

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P00.01	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Neural correlates of auditory perception	PATRICK KRAUSS <sup>1</sup>	<sup>1</sup> University Hospital Erlangen, Erlangen, Germany	P-01-0045
P00.02	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	The relationship between symptom prevalence, body image, and quality of life in Iranian gynecologic cancer patients	ZAHRA MAJIDI <sup>1</sup> , AMIR HOSSEIN ASHNA <sup>2</sup> , FAEZEH AGHAYAN GOLKASHANI <sup>3</sup>	<sup>1</sup> Kharazmi University, Tehran, Iran, <sup>2</sup> Refaah University, Tehran, Iran, <sup>3</sup> Tehran University, Tehran, Iran	P-01-0079
P00.03	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Treatment decision making in early-stage papillary thyroid cancer	FAEZEH AGHAYAN KOL KASHANI <sup>1</sup> , AMIR HOSSEIN ASHNA <sup>2</sup> , ZAHRA MAJIDI <sup>3</sup>	<sup>1</sup> Tehran University, Tehran, Iran, <sup>2</sup> Refaah University, Tehran, Iran, <sup>3</sup> Kharazmi University, Tehran, Iran	P-01-0080
P00.04	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	A thalamic complex specifically involved in social behavior based on chemogenetic evidence in the rat	DAVID KELLER <sup>1</sup> , EMESE A. FAZEKAS <sup>2</sup> , ARPAD DOBOLYI <sup>1</sup>	<sup>1</sup> Laboratory of Neuromorphology, Department of Anatomy, Histology and Embryology, Semmelweis University, Budapest, Hungary, <sup>2</sup> MTA-ELTE Laboratory of Molecular and Systems Neurobiology, Department of Physiology and Neurobiology, Eötvös Loránd University and the Hungarian Academy of Sciences, Budapest, Hungary	P-01-0112
P00.05	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Rapid, biphasic CRF neuronal responses encode positive and negative valence	JINEUN KIM <sup>1</sup> , GREG SUH <sup>2</sup>	<sup>1</sup> Korea Advanced Institute of Science and Technology, Daejeon, Korea, Republic of, <sup>2</sup> Korea Advanced Institute of Science and Technology, Daejeon, Korea, Republic of	P-01-0114
P00.06	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Prefrontal innervation of the mesolimbic system	AKOS BABICZKY <sup>1</sup> , DORA ZSIROS <sup>2</sup> , JUDIT BERCZIK <sup>3</sup> , ANNA FEHER <sup>4</sup> , FERENC MÄTYÁS <sup>5</sup>	<sup>1</sup> Neuronal Networks and Behaviour Research Group, Research Centre for Natural Sciences, Hungarian Academy of Sciences/Doctoral School of Psychology-Cognitive Science, Budapest University of Technology and Economics, Budapest, Hungary, <sup>2</sup> Neuronal Networks and Behaviour Research Group, Research Centre for Natural Sciences, Hungarian Academy of Sciences, Budapest, Hungary, <sup>3</sup> Neuronal Networks and Behaviour Research Group, Research Centre for Natural Sciences, Hungarian Academy of Sciences/Department of Anatomy and Histology, University of Veterinary Medicine, Budapest, Hungary, Budapest, Hungary	P-01-0119
P00.07	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Slow-wave sleep are dissociated from Paradoxal Sleep after Contextual Fear Extinction in Rats.	LUIZ HENRIQUE SANTANA <sup>1</sup> , KARIN MOREIRA <sup>2</sup> , PAULA AYAKO TIBA <sup>3</sup>	<sup>1</sup> University of São Paulo, São Paulo, Brazil, <sup>2</sup> Federal University of São Paulo, São Paulo, Brazil, <sup>3</sup> Federal University of ABC, São Bernardo do Campo, Brazil	P-01-0128
P00.08	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Frontal EEG alpha asymmetry changes while watching emotional film clips and role of difference pair of frontal electrodes: A preliminary study	WICHULADA SUWANNAPU <sup>1</sup> , NATCHAREE KRAIWATTANAPIROM <sup>2</sup> , SURADATE PRAYOONSAK <sup>3</sup> , VORASITH SIRIPORNANICH <sup>1</sup>	<sup>1</sup> Institute of Molecular Biosciences, Mahidol University, Nakhon Pathom, Thailand, <sup>2</sup> Institute of Molecular Biosciences, Mahidol University, Nakhon Pathom, Thailand, <sup>3</sup> Department of Educational Psychology and Guidance, Mahasarakham University, Mahasarakham, Thailand	P-01-0136
P00.09	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Chronic activation of 5-HT2A receptors with highly selective agonists affects the behavior and the BDNF system of C57Bl/6J mice	TATIANA ILCHIBAEVA <sup>1</sup> , ANTON TSYBKO <sup>2</sup> , ELENA FILIMONOVA <sup>3</sup> , DMITRIY EREMIN <sup>4</sup> , NINA POPOVA <sup>1</sup>	<sup>1</sup> The Institute of Cytology and Genetics SB RAS, Novosibirsk, Russia	P-01-0140
P00.10	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Nigrostriatal dopamine system is implicated in the regulation of genetically-defined aggressive behavior in rats	ANTON TSYBKO <sup>1</sup> , TATIANA ILCHIBAEVA <sup>1</sup> , RIMMA KOZHEMYAKINA <sup>1</sup> , DMITRIY EREMIN <sup>1</sup> , VLADIMIR NAUMENKO <sup>1</sup>	<sup>1</sup> The Institute of Cytology and Genetics SB RAS, Novosibirsk, Russia	P-01-0141
P00.11	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Auditory Pathway and Alzheimer's disease	KANEZ FATIMA SHAD <sup>1</sup> , TY LEES <sup>1</sup> , SARA LAL <sup>1</sup> , YASHAR AGHAZADEH <sup>2</sup> , BODO KRESS <sup>3</sup>	<sup>1</sup> University of Technology Sydney, Sydney, Australia, <sup>2</sup> Chefarzt des Instituts für Neuroaudiologie, Krankenhaus Nordwest, Steinbacher Hohl 2-26, Frankfurt, Germany, <sup>3</sup> Chefarzt des Instituts für Neuroaudiologie, Krankenhaus Nordwest, Steinbacher Hohl 2-26, Frankfurt, Germany	P-01-0152
P00.12	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	The free energy principle for perception and behavior	CHANG SUB KIM <sup>1</sup>	<sup>1</sup> Chonnam National University, Gwangju, Korea, Republic of	P-01-0156
P00.13	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Effect of cerebral dopamine neurotrophic factor (CDNF) on the behavior and expression of the key genes of the brain serotonin system in C57Bl/6J mice	DMITRIY EREMIN <sup>1,2</sup> , TATIANA ILCHIBAEVA <sup>3</sup> , NIKITA KHOTSKIN <sup>4</sup> , VLADIMIR NAUMENKO <sup>5</sup> , ANTON TSYBKO <sup>6</sup>	<sup>1</sup> The Federal Research Center Institute of Cytology and Genetics SB RAS, Novosibirsk, Russia, <sup>2</sup> Novosibirsk State University, Novosibirsk, Russia, <sup>3</sup> The Institute of Cytology and Genetics SB RAS, Novosibirsk, Russia	P-01-0161
P00.14	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Melatonin reverses cognitive impairments caused by sub-chronic methamphetamine administration in adult mice	THIT LWIN <sup>1</sup> , PONGRUNG CHANCHAROEN <sup>1</sup> , NISARATH VESCHSANIT <sup>2</sup> , SUKONTHAR NGAMPRAMUAN <sup>3</sup> , KITTIKUN WIWATPINYO <sup>4</sup> , SUJIRA MUKDA <sup>1</sup>	<sup>1</sup> Mahidol University, Nakhon Pathom, Thailand	P-01-0162
P00.15	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	A dominant visual pathway in sex hormone-dependent color cognition in zebra finches	YI-TSE HSIAO <sup>1</sup> , TA-CHING CHEN <sup>2</sup> , CHENG-MING CHUONG <sup>3</sup> , PIN-HUAN YU <sup>4</sup> , FANG-CHIA CHANG <sup>5</sup>	<sup>1</sup> Department of Veterinary Medicine, School of Veterinary Medicine, National Taiwan University, Taipei, Taiwan, China, <sup>2</sup> Department of Ophthalmology, College of Medicine, National Taiwan University, Taipei, Taiwan, China, <sup>3</sup> Department of Pathology, University of Southern California, Los Angeles, California, USA, Los Angeles, USA	P-01-0173
P00.16	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	OBESITY IMPAIRS COGNITION AND LEADS TO MORPHOLOGICAL AND NEUROGENIC ALTERATIONS	CAROLINE FERNANDES DA SILVA <sup>1</sup> , LETICIA FORNY-GERMANO <sup>1</sup> , JEAN HOUEL <sup>2</sup> , SÉRGIO FERREIRA <sup>1</sup> , JOSÉ DONATO <sup>2</sup> , FERNANDA DE FELICE <sup>1</sup>	<sup>1</sup> Federal University of Rio de Janeiro, Rio de Janeiro, Brazil, <sup>2</sup> University of São Paulo, São Paulo, Brazil	P-01-0180
P00.17	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Pre and Post Exposure of Voglibose and Saxagliptin improves brain injury and cognition in MCAo induced stroke and Cognitive decline	VISHAL CHAVDA <sup>1</sup> , SNEHAL PATEL <sup>2</sup>	<sup>1</sup> Department of Pharmacology, Institute of Pharmacy, Nirma University, Ahmedabad, India, <sup>2</sup> Department of Pharmacology, Institute of Pharmacy, Nirma University, Ahmedabad, India	P-01-0183
P00.18	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Oxytocin regulates differentially in male and female mice conspecific olfactory preference behavior	SUNIL DHUNGEL <sup>1,2</sup> , DILIP RAI <sup>3</sup> , MISAO TEREDA <sup>4</sup> , CHITOSE ORIKASA <sup>5</sup> , KATSUHIKO NISHIMORI <sup>6</sup> , YASUO SAKUMA <sup>7</sup> , YASHUHIKO KONDO <sup>8</sup>	<sup>1</sup> Nepalese Army Institute of Health Sciences/ Neuroscience Society of Nepal, Department of Physiology, Nippon Medical School, Kathmandu, Nepal, <sup>2</sup> Nepalese Army Institute of Health Sciences/ Neuroscience Society of Nepal, Kathmandu, Nepal, <sup>3</sup> Department of Physiology, Nippon Medical School, Tokyo, Japan, <sup>4</sup> Department of Physiology, Nippon Medical School, Tokyo, Japan, <sup>5</sup> Department of Molecular and Cell Biology, Tohoku University, Miyagi, Japan, <sup>6</sup> Department of Physiology, Nippon Medical School, Tokyo, Japan, <sup>7</sup> Department of Physiology, Nippon Medical School, Department of Animal Sciences, Tokyo University of Science, Bunkyo-ku, Tokyo, Japan	P-01-0205
P00.19	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	The Effect of Peroxisome Proliferator-Activated Receptor-γ on Harmaline-Induced Cognitive Impairments in Rats	VAHID HAJALI <sup>1</sup> , IRAJ AGHAIE <sup>2</sup> , MOHAMAD SHABANI <sup>3</sup>	<sup>1</sup> Department of Neuroscience, Mashhad University of Medical Sciences, Mashhad, Iran, <sup>2</sup> Department of Neuroscience, Poursina Hospital, Guilan University of Medical Sciences, Rasht, Iran, Guilan, Iran, <sup>3</sup> IntraCellular Recording Lab, Neuroscience Research Center, Neuropharmacology Institute, Kerman University of Medical Sciences, Kerman, Kerman, Iran	P-01-0219
P00.20	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Sustained dopaminergic bursts and noradrenergic pauses favor exploitative behavioral states	AARON KORALEK <sup>1</sup> , RUI COSTA <sup>1</sup>	<sup>1</sup> Columbia University, New York, USA	P-01-0224
P00.21	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Melatonin attenuated neuroinflammation and cognitive impairment in aging mice	PONGRUNG CHANCHAROEN <sup>1</sup> , SUKONTHAR NGAMPRAMUAN <sup>2</sup> , PIYARAT GOVITRAPONG <sup>3</sup> , SUJIRA MUKDA <sup>1</sup>	<sup>1</sup> Research Center for Neuroscience, Institute of Molecular Biosciences, Mahidol University, Nakhon Pathom, Thailand	P-01-0236
P00.22	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	The Emerging Role of Posterior Parietal Cortex in Cocaine Reward-context Association	SE JIN JEONG <sup>1,2</sup> , SHUIE XU <sup>2,3</sup> , UNG GU KANG <sup>2,3,4</sup> , JA WOOK KOO <sup>1,2</sup>	<sup>1</sup> Behavioral Neuroepigenetics Lab (BNL), Department of Neural Development and Disease, Korea Brain Research Institute (KBRI), Daeju, Korea, Republic of, <sup>2</sup> Institute of Human Behavioral Medicine, Medical Research Center, Seoul National University, Seoul, Korea, Republic of, <sup>3</sup> Department of Psychiatry and Behavioral Science, Seoul National University, College of Medicine, Seoul, Korea, Republic of	P-01-0238
P00.23	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Neural correlates of visual context representations in the CA3 following lesions in the dentate gyrus of the hippocampus	CHOOHG-HEE LEE <sup>1</sup> , INAH LEE <sup>2</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, Seoul National University, Seoul, Korea, Republic of	P-01-0242
P00.24	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Differential coding of motivational context between the dorsal and ventral areas of the hippocampus	SHOONG-WOO JIN <sup>1</sup> , JOSEPH SHIN <sup>1</sup> , INAH LEE <sup>1</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, Seoul National University, Seoul, Korea, Republic of	P-01-0245
P00.25	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Defining latent place fields based on theta phase precession in the subiculum	SU-MIN LEE <sup>1</sup> , HYUN-WOO LEE <sup>1</sup> , INAH LEE <sup>1</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, Seoul National University, Seoul, Korea, Republic of	P-01-0246
P00.26	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Social decision making network involved in intrasexual aggression in zebrafish.	MARIA FLORENCIA SCAIA <sup>1</sup> , IBUKUN AKINRINADE <sup>2</sup> , RUI OLIVEIRA <sup>2</sup>	<sup>1</sup> University of Buenos Aires - FCEyN, Buenos Aires, Argentina, <sup>2</sup> Instituto Gulbenkian de Ciéncia, Lisbon, Portugal	P-01-0247
P00.27	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Task-Related Component Analysis of Electroencephalogram Signals during Emotional Face Recognition: A Case Study of ERP	ZAHRA TABANFAR <sup>1</sup> , FARNAZ GHASSEMI <sup>1</sup>	<sup>1</sup> Amirkabir University of Technology, Tehran, Iran	P-01-0252
P00.28	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Anti-oxidant and behavioural effects of aqueous extract of <i>Terminalia macroptera</i>	LYDIA ORI <sup>1</sup> , STEFANO NEGR <sup>2</sup> , OTIMENYIN SUNDAY <sup>3</sup> , FLAVIA GUZZO <sup>2</sup> , ATIENE SAGAY <sup>1</sup>	<sup>1</sup> University of Jos, Jos, Nigeria, <sup>2</sup> University of Verona, Verona, Italy, <sup>3</sup> University of Jos, Jos, Nigeria	P-01-0256
P00.29	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	The Function of the Fasciola Cinerum in Object-place Recognition Memory	EUN YOUNG LEE <sup>1</sup> , SEONG-BEOM PARK <sup>2</sup> , INAH LEE <sup>1</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, Seoul National University, Seoul, Korea, Republic of	P-01-0258
P00.30	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Methylphenidate (MPH) produces conditioned place preference (CPP) in marmoset monkeys and cannabidiol exposure during extinction do not inhibit the reinstatement of MPH-induced CPP	ADEL KASHEF <sup>1</sup> , CARLOS TOMAZ <sup>2</sup>	<sup>1</sup> Universidade de Brasilia, Brasilia, Brazil, <sup>2</sup> University of Brasilia, Brasilia, Brazil	P-01-0259
P00.31	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Adult hippocampal cytotogenesis: behavioral correlates and function in the female brain	PATRICIA PATRICIO <sup>1</sup> , ANTÔNIO MATEUS-PINHEIRO <sup>2</sup> , TIAGO SILVEIRA-ROSA <sup>1</sup> , JOANA SOFIA CORREIA <sup>1</sup> , JOANA MARGARIDA SILVA <sup>1</sup> , NUNO DINIS-ALVES <sup>1</sup> , ANA RITA MACHADO-SANTOS <sup>1</sup> , IOANNIS SOTIROPOULOS <sup>1</sup> , NUNO SOUSA <sup>1</sup> , LUISA PINTO <sup>2</sup>	<sup>1</sup> Life and Health Sciences Research Institute (CVS); School of Medicine, University of Minho, Braga, Portugal, <sup>2</sup> Life and Health Sciences Research Institute (CVS); School of Medicine, University of Minho, Braga, Portugal	P-01-0265
P00.32	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	The combined neuropsychological test and EEG assessment of cognitive functions in methamphetamine abusers with and without psychosis.	NATCHAREE KRAIWATTANAPIROM <sup>1</sup> , WICHULADA SUWANNAPU <sup>2</sup> , VORASITH SIRIPORNANICH <sup>3</sup> , BANTHIT CHAISAWANG <sup>2</sup>	<sup>1</sup> Research Center for Neuroscience, Institute of Molecular Biosciences, Mahidol University, Nakhon Pathom, Thailand, <sup>2</sup> Research Center for Neuroscience, Institute of Molecular Biosciences, Mahidol University, Nakhon Pathom, Thailand	P-01-0267
P00.33	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Patients with ADHD are being overmedicated (for optimal cognitive performance)	DAPHNE S. LING <sup>1</sup> , KRISTINA BALCE <sup>1</sup> , MARGARET WEISS <sup>2</sup> , CANDICE MURRAY <sup>3</sup> , ADELE DIAMOND <sup>4</sup>	<sup>1</sup> The University of British Columbia, Vancouver, Canada, <sup>2</sup> University of Arkansas and Arkansas Children's Hospital, Little Rock, USA, <sup>3</sup> British Columbia Children's Hospital, Vancouver, Canada	P-01-0283
P00.34	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Hippocampal structural correlates of neurocognitive perturbations in androgen-deprived rats	OLUWOLE AKINOLA <sup>1</sup> , ARAMIDE AYEDOGBO <sup>2</sup> , AYODEJI RAHMON <sup>2</sup> , FATIMOH FADELE <sup>2</sup> , ADEOYE OYEWOPO <sup>2</sup>	<sup>1</sup> Department of Anatomy, Adedote University, Ede, Nigeria, <sup>2</sup> University of Ilorin, Ilorin, Nigeria	P-01-0287
P00.35	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Endogenous Brain Noise and Complexity	ALEXANDER PISARCHIK <sup>1</sup> , PARTH CHHOLAK <sup>1</sup>	<sup>1</sup> Technical University of Madrid, Madrid, Spain	P-01-0292
P00.36	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Early-life stress increases susceptibility to social defeat stress in adults and causes long-lasting transcriptional and epigenetic alterations: Evidence from RNA-seq and H3K4me3-based chromatin immunoprecipitation with sequencing	VASILYI RESHETNIKOV <sup>1</sup> , NIKITA ERSHOV <sup>1</sup> , POLINA KISARETOVA <sup>1</sup> , NATALIA BONDAR <sup>1</sup>	<sup>1</sup> Institute of Cytology and Genetics, Novosibirsk, Russia	P-01-0294
P00.37	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Erotic suboptimal stimuli affects moral decision-making. A cross-cultural comparison	LUIS FELIPE RIVERA <sup>1</sup> , ANTONIO OLIVERA LA ROSA <sup>2</sup> , AMAURI GOUVEIA JR <sup>3</sup>	<sup>1</sup> Universidade Federal do Pará, Belém, Brazil, <sup>2</sup> Fundación Universitaria Luis Amigó, Medellín, Colombia, <sup>3</sup> Universidade Federal do Pará, Belém, Brazil	P-01-0295
P00.38	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Deep Brain Stimulation of the Prelimbic Cortex Disrupts Consolidation of Fear Memories	SHAWN TAN <sup>1</sup> , CHI HIM POON <sup>1</sup> , YING-SHING CHAN <sup>1</sup> , LEE WEI LIM <sup>1</sup>	<sup>1</sup> School of Biomedical Sciences, Li Ka Shing Faculty of Medicine, The University of Hong Kong, Hong Kong SAR, China, Hong Kong SAR, China	P-01-0302

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P00.41	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	The Effects of Astilbin on Dopamine Transmission and Long-Term Memory in Mice	YE-JIN KIM <sup>1</sup> , YU-JEONG KIM <sup>2</sup> , SO-YEON JEON <sup>1</sup> , NA-HYUN KIM <sup>1</sup> , KYUNG-A LEE <sup>1</sup> , YUKIORI GOTO <sup>3</sup> , YOUNG-A LEE <sup>1</sup>	<sup>1</sup> Daegu Catholic University, Gyeongsang-si, Gyeongsbuk, Korea, Republic of, <sup>2</sup> Daegu Catholic University Medical Center, Daegu, Korea, Republic of, <sup>3</sup> Kyoto University, Primate Research Institute, Inuyama, Aichi, Japan	P-01-0309
P00.42	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Involvement of orexinergic and dopaminergic receptors within the dentate gyrus of the hippocampus in stress-induced reinstatement of morphine in food-deprived rats	ABBAS HAGHPARAST <sup>1</sup> , MAHSA POURHAMZEH <sup>2</sup> , ROGHAYEH MOZAFARI <sup>1</sup> , SHOHE JAMALI <sup>1</sup> , REZA AHADI <sup>2</sup>	<sup>1</sup> Neuroscience Research Center, School of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran, <sup>2</sup> Department of Anatomy, School of Medicine, Iran University of Medical Sciences, Tehran, Iran	P-01-0319
P00.43	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Role of the retrosplenial cortex in the "what" component of recognition memory	ANA BELÉN DE LANDETA <sup>1</sup> , MAGDALENA PEREYRA <sup>1</sup> , JORGE H. MEDINA <sup>1</sup> , CYNTHIA KATCHE <sup>1</sup>	<sup>1</sup> Instituto de Cell Biology and Neuroscience "Prof. E. De Robertis" (IBCN), Universidad de Buenos Aires-CONICET, Buenos Aires, Argentina	P-01-0339
P00.44	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Recognition of Social Rank in Autism Spectrum Disorder	YUKIORI GOTO <sup>1</sup> , SHINO OGAWA <sup>2</sup> , MAYUKO IRIGUCHI <sup>3</sup> , YOUNG-A LEE <sup>4</sup> , SAKIKO YOSHIKAWA <sup>5</sup>	<sup>1</sup> Primate Research Institute, Kyoto University, Inuyama, Japan, <sup>2</sup> Kokoro Research Center, Kyoto University, Kyoto, Japan, <sup>3</sup> Department of Neurobiology and Behavior, Nagasaki University, Nagasaki, Japan, <sup>4</sup> Department of Food Sciences and Nutrition, Daegu Catholic University, Gyeongsan, Korea, Republic of	P-01-0342
P00.45	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Paraventricular thalamus controls behavior during motivational conflict	EUN A CHOI <sup>1</sup> , PHILIP JEAN-RICHARD-DIT-BRESSEL <sup>1</sup> , COLLIN CLIFFORD <sup>1</sup> , GAVAN MCNALLY <sup>1</sup>	<sup>1</sup> University of New South Wales, Sydney, Australia	P-01-0348
P00.46	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	EEG reactions during recognition of written sentences about "myself" and "others" among the people practicing samatha meditation.	ALEXANDER SAVOSTYANOV <sup>1</sup> , SERGEY TAMOZHNIKOV <sup>2</sup> , KLIMYENTY SUDOBIN <sup>1</sup> , ANDREY BOCHAROV <sup>1</sup> , ALEXANDER SAPRIGNY <sup>3</sup> , GENNADY KNYAZEVS <sup>3</sup>	<sup>1</sup> Institute of Cytology and Genetics of SB RAS; Institute of Physiology and Basic Medicine, Novosibirsk State University, Novosibirsk, Russia, <sup>2</sup> Institute of Physiology and Basic Medicine, Novosibirsk, Russia, <sup>3</sup> Novosibirsk State University, Novosibirsk, Russia, <sup>4</sup> Institute of Physiology and Basic Medicine, Novosibirsk State University, Novosibirsk, Russia	P-01-0361
P00.47	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Increased level of HMGB1 induced by chronic cerebral hypoperfusion without evident of amyloid-beta accumulation in an animal model of vascular cognitive impairment	AMELIA NUR VIDYANTI <sup>1</sup> , CHAUH-JONG HU <sup>2</sup>	<sup>1</sup> International PhD Program in Medicine, College of Medicine, Taipei Medical University, Taipei, Taiwan, China, <sup>2</sup> Department of Anatomy, College of Medicine, Taipei Medical University, Taipei, Taiwan, China	P-01-0364
P00.48	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Longitudinal associations of stressful life event and social support deficit with functioning in patients with acute coronary syndrome	JU-WAN KIM <sup>1</sup> , JAE-MIN KIM <sup>1</sup>	<sup>1</sup> Chonnam national university, Kwangju, Korea, Republic of	P-01-0377
P00.49	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	The role of feedback in criterion inference	HYANG-JUNG LEE <sup>1</sup> , SANG-HUN LEE <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-01-0383
P00.50	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Characterization of in vivo functions of SALM4	EUNKYUNG LEE <sup>1</sup> , EUNJOON KIM <sup>1</sup>	<sup>1</sup> IBS, Daejeon, Korea, Republic of	P-01-0387
P00.51	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Neuroprotective and cognitive-enhancing effects of <i>Aster ghehni</i> extracts	JUYEON KIM <sup>1</sup> , MI KYUNG LIM <sup>1</sup>	<sup>1</sup> KOREAEUNDOAN Co., Seongnam-si, Korea, Republic of	P-01-0390
P00.52	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Plasmalogens in the murine hippocampus is critical for memory processes	MD. SHAMIM HOSSAIN <sup>1</sup> , KOICHI AKASHI <sup>1</sup> , TAKEHIKO FUJINO <sup>2</sup> , SHIRO MAW ATARI <sup>2</sup> , SANYU SEJIMO <sup>3</sup>	<sup>1</sup> Kyushu University, Fukuoka, Japan, <sup>2</sup> Institute of Rheological Functions of Food, Fukuoka, Japan	P-01-0397
P00.53	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Effects of glucose on neurons and glia to the memory processes	YUTAKA OMURA <sup>1</sup>	<sup>1</sup> Kyushu University, Fukuoka, Japan	P-01-0399
P00.54	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Role of Sleep using Category Associates in Generation of False Memories	KEDARIM VERMA <sup>1</sup> , NAVEEN KASHYAP <sup>2</sup>	<sup>1</sup> Indian Institute of Technology, Guwahati, India, <sup>2</sup> Indian Institute of Technology, Guwahati, India	P-01-0402
P00.55	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Sociality traits affect emotion perception of visual narratives	JINYOUNG KIM <sup>1</sup> , YEONHWA KIM <sup>1</sup> , SANG-HUN LEE <sup>1</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, Seoul National University, Seoul, Korea, Republic of	P-01-0403
P00.56	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Impact of suicidal ideation on long-term cardiac outcomes in patients with acute coronary syndrome	JAE-MIN KIM <sup>1</sup> , JU-WAN KIM <sup>1</sup>	<sup>1</sup> Chonnam national university, Gwangju, Korea, Republic of	P-01-0409
P00.57	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Associations of obsessive-compulsive symptoms with long-term cardiac outcomes in acute coronary syndrome: effects of depression comorbidity and treatment	JUYEON AN <sup>1</sup> , JAE-MIN KIM <sup>2</sup>	<sup>1</sup> Chonnam National University Hospital, Gwangju, Korea, Republic of, <sup>2</sup> Chonnam national university, Gwangju, Korea, Republic of	P-01-0413
P00.58	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Effect of prenatal stress on memory, nicotine withdrawal and SHT1A expression in raphe nuclei of adult rats	NADIA SAID <sup>1</sup> , SARA LAKEHAYLI <sup>1</sup> , MERYAM EL KHACHIBI <sup>1</sup> , MERIAM EL OUAHLI <sup>1</sup> , SELLAMA NADIFI <sup>1</sup> , FARID HAKKOU <sup>2</sup> , ABDELOUAHAB TAZI <sup>2</sup>	<sup>1</sup> University Hassan II, Faculty of Medicine and Pharmacy, Casablanca, Morocco, <sup>2</sup> Hassan II University, Faculty of Medicine and Pharmacy, Casablanca, Morocco, <sup>3</sup> Genetics and Molecular Pathology Laboratory, Faculty of Medicine and Pharmacy, Casablanca, Morocco, <sup>4</sup> Sultan My Salmah University, Fac Sciences & Techniques, Life Sciences, Beni Mellal, Morocco	P-01-0419
P00.59	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	A segmentation-based approach for detecting switching interaction	JERIC BRIONES <sup>1</sup> , TAKATOMI KUBO <sup>1</sup> , KAZUSHI IKEDA <sup>1</sup>	<sup>1</sup> Nara Institute of Science and Technology, Ikoma, Japan	P-01-0422
P00.60	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	The Effect of Caffeine and Schizotypy on Working Memory Performance in Healthy Participants	FAIZ MOHAMMED KASSIM <sup>1</sup> , MATHEW MARTIN-VERSOREN <sup>2</sup>	<sup>1</sup> University of Western Australia, Perth, Australia, <sup>2</sup> School of Biomedical Sciences, Faculty of Health and Medical Sciences, University of Western Australia, Perth, Australia	P-01-0432
P00.61	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Boundaries on liability: Severe fear learning leads to reconsolidation-resistant memories due to noradrenergic-dependent changes in plasticity mechanisms	JOSUE HAUBRICH <sup>1</sup> , KARIM NADER <sup>1</sup>	<sup>1</sup> McGill University, Montreal, Canada	P-01-0434
P00.62	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Neural Adaptation of Deep Learning for Human Cognition and Thinking Hypothesis - Allied with Engram, Langram, and Neural Lexicon Hypothesis	ZANG-HEE CHO <sup>1</sup> , SUN-HA PEAK <sup>2</sup> , YOUNG-BO KIM <sup>3</sup> , TAIGYOUN CHO <sup>4</sup>	<sup>1</sup> Suwon university, Hwasung Gyunggi, Korea, Republic of, <sup>2</sup> School of Medicine, Seoul National University, Seoul, Korea, Republic of, <sup>3</sup> Department of Neurosurgery, Gachon Medical School, Incheon, Korea, Republic of, <sup>4</sup> Department of Industrial Design, Hong Ik University, Seoul, Korea, Republic of	P-01-0440
P00.63	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	De-confounding dopaminergic effects on pupillometry via trial-to-trial correlations for blink-locked pupillary responses	KYUNG YOO <sup>1</sup> , SANG-HUN LEE <sup>1</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, Seoul National University, Seoul, Korea, Republic of	P-01-0443
P00.64	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Singing is necessary for the maintenance of song acoustic structure in adult songbirds	DAISUKE MIZUGUCHI <sup>1</sup> , SATOSHI KOJIMA <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of	P-01-0445
P00.65	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Role of interval timing in intertemporal choice: A behavioural and drift-diffusion model investigation	SATHYA NARAYANA SHARMA <sup>1</sup> , AZIZUDDIN KHAN <sup>1</sup>	<sup>1</sup> Indian Institute of Technology Bombay, Mumbai, India	P-01-0450
P00.66	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Increased sleep need in mice lacking the PKA phosphorylation site in SIK1 and SIK2	MINJEONG PARK <sup>1</sup> , CHIKA MIYOSHI <sup>1</sup> , TOMOYUKI FUJIYAMA <sup>1</sup> , MIYO KAKIZAKI <sup>1</sup> , AYA IKKYU <sup>1</sup> , JINHWAN CHOI <sup>1</sup> , SEIYA MIZUNO <sup>2</sup> , SATORU TAKAHASHI <sup>2</sup> , HIROMASA FURUNO <sup>3</sup> , MASASHI YANAGISAWA <sup>4</sup>	<sup>1</sup> International Institute for Integrative Sleep Medicine, University of Tsukuba, Tsukuba, Japan, <sup>2</sup> Integrative Animal Resource Center, University of Tsukuba, Tsukuba, Japan	P-01-0472
P00.67	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Nutritional programming during pregnancy and lactation sensitizes food addiction-like behavior in offspring of rats	LARISA JAJAIRA MONTALVO MARTINEZ <sup>1</sup> , GABRIELA CRUZ CARRILLO <sup>1</sup> , LIZETH FUENTES MERA <sup>1</sup> , ROCIO ORTIZ LÓPEZ <sup>1</sup> , ALBERTO CAMACHO <sup>2</sup>	<sup>1</sup> Autonomous University of Nuevo Leon, Monterrey, Mexico, <sup>2</sup> Technological Institute of Superior Studies of Monterrey, Monterrey, Mexico	P-01-0476
P00.68	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Preservation of schema-driven memory benefits in older adults	HOSEIN AGHAYAN GOLKASHANI <sup>1</sup> , MICHAEL CHEE WEI LIANG <sup>2</sup>	<sup>1</sup> Yong Loo Lin School of Medicine, National University of Singapore (NUS), Singapore, Singapore, <sup>2</sup> Center for Cognitive Neuroscience, Duke-NUS Medical School, Singapore, Singapore	P-01-0479
P00.69	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Recovery effects of dexmedetomidine against nicotine aversion reduction in rats exposed to early adolescent nicotine	MINJI JANG <sup>1</sup> , SUNG-HOON KIM <sup>1</sup> , JIHYUN NOH <sup>1</sup>	<sup>1</sup> Dankook University, Yongin-si, Korea, Republic of, <sup>2</sup> Asan Medical Center, Seoul, Korea, Republic of	P-01-0480
P00.70	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Effects of subjective visibility on our cognitive function: How visual attentional modulation correlates with subjective visibility	MOMOKO HISHITANI <sup>1</sup> , YUMA OSAKO <sup>1</sup> , SHOTA MURAI <sup>1</sup> , KOHTA KOBAYASI <sup>1</sup>	<sup>1</sup> Doshisha University, Kyoto, Japan	P-01-0481
P00.71	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	A high blood cortisol level during prenatal period leads to functional deficits in cognition and behaviors of juvenile rats.	HYE-JI KIM <sup>1</sup> , SUNG-CHEOL JUNG <sup>1</sup>	<sup>1</sup> Dept. of Physiology, School of Medicine, Jeju Natl. University, Jeju-si, Korea, Republic of	P-01-0494
P00.72	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Ceramide System Contributes to Learning and Memory	LIUBOV KALINCHENKO <sup>1</sup> , AN-LI WANG <sup>2</sup> , NADINE ROESEL <sup>3</sup> , CHRISTIANE MUEHLE <sup>1</sup> , BERND LENZ <sup>1</sup> , ERICH GULBINS <sup>1</sup> , MARIA A. DE SOUZA SILVA <sup>4</sup> , JOHANNES KORNHUBER <sup>1</sup> , JOSEPH P. HUSTON <sup>5</sup> , CHRISTIAN P. MUELLER <sup>1</sup>	<sup>1</sup> Friedrich-Alexander-University of Erlangen-Nuremberg, Erlangen, Germany, <sup>2</sup> Heinrich-Heine-University, Düsseldorf, Germany, <sup>3</sup> University of Duisburg-Essen, Essen, Germany	P-01-0496
P00.73	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Prenatal Dietary Protein Deficiency perturbs Neurodevelopment and Cognitive Behavior of F <sub>1</sub> and F <sub>2</sub> -Generations of Rat Models	NOSARIEME ABEY <sup>1</sup> , OSARETIN A.T EBUEH <sup>1</sup> , NGOZI O.A. IMAGA <sup>2</sup>	<sup>1</sup> Department of Biochemistry, College of Medicine, University of Lagos, Lagos, Nigeria, <sup>2</sup> Department of Biochemistry, University of Lagos, Lagos, Nigeria	P-01-0500
P00.74	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Function of the insular cortex in acute restraint stress induced post-traumatic behavior	SANGSEON PARK <sup>1</sup> , YEOWOOL HUH <sup>2</sup> , JEIWOON CHO <sup>2</sup>	<sup>1</sup> KIST   The Catholic Univ. of Incheon St.Mary's Hospital, Incheon, Korea, Republic of, <sup>2</sup> College of Medicine, Catholic Kwandong University, Incheon, Korea, Republic of	P-01-0501
P00.75	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Olfactory bulbectomy induces learning and memory deficits associated with impaired structural plasticity in the rat	JULIO CÉSAR MORALES MEDINA <sup>1</sup> , GUMARO GALINDO PAREDES <sup>2</sup> , ANDREA JUDITH VÁZQUEZ HERNÁNDEZ <sup>2</sup> , PATRICIA SÁNCHEZ TEYOTL <sup>1</sup> , RUBÉN ANTONIO VÁZQUEZ ROQUE <sup>3</sup> , GONZALO FLORES <sup>3</sup>	<sup>1</sup> CINVESTAV, Tlaxcala, Mexico, <sup>2</sup> Departamento de Fisiología, Biofísica y Neurociencias, CINVESTAV, Tlaxcala, Mexico, <sup>3</sup> Instituto de Fisiología, Benemérita Universidad Autónoma de Puebla, Puebla, Mexico, <sup>4</sup> Facultad en Ciencias de la Salud, Tlaxcala, Mexico	P-01-0507
P00.76	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Role of the modulation of Nkb pathway in chronic stress induced changes in the BNST and consequences on the anxiety behavior.	AURELIE MENGOZ <sup>1</sup> , DONALD RAINNIE <sup>2</sup> , KATIE BARRETT <sup>1</sup> , MEGAN JIANG <sup>3</sup> , LARRY YOUNG <sup>1</sup>	<sup>1</sup> Emory University, Atlanta, USA, <sup>2</sup> Emory University, Atlanta, USA	P-01-0510
P00.77	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Decreased delta activity and cross-Frequency interaction of resting-state electroencephalographic oscillations in transcranial light emitting diode (LED)	FAHMEH PARSAEI <sup>1</sup> , MOHAMMAD ALI NAZARI <sup>2</sup> , SOOMAYEH HEYSIATTALAB <sup>3</sup>	<sup>1</sup> PhD student, division of Cognitive Neuroscience, Faculty of Education and Psychology, University of Tabriz, Tabriz, Iran, <sup>2</sup> Associate Professor, division of Cognitive Neuroscience, Faculty of Education and Psychology, University of Tabriz, Tabriz, Iran, <sup>3</sup> Assistant professor, Division of Cognitive Neuroscience, Faculty of Education and Psychology, University of Tabriz, Tabriz, Iran, Tabriz, Iran	P-01-0511
P00.78	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Altruistic allogrooming in male mice	YU-SHAN SU <sup>1</sup> , TSUNG-HAN KUO <sup>1</sup> , TSUNG-HAN KUO <sup>1</sup>	<sup>1</sup> National Tsing Hua university, Hsinchu, Taiwan, China	P-01-0513
P00.79	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Cultural difference of affective responses to mourn images between Asian and Western people	SRISHTI TRIPATHI <sup>1</sup> , YUKIORI GOTO <sup>1</sup>	<sup>1</sup> Primate Research Institute, Inuyama, Japan	P-01-0514
P00.80	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Learning modulates neural systems for event segmentation	ODED BEIN <sup>1</sup> , LILA DAVACHI <sup>2</sup>	<sup>1</sup> New York University, New York City, USA, <sup>2</sup> Columbia University, New York City, USA	P-01-0519
P00.81	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	The impact of childhood trauma on posttraumatic symptoms, posttraumatic growth, and quality of life: a multi-group path analysis among oxytocin receptor gene polymorphism	MIN JIN JIN <sup>1</sup> , MYOUNG HO HYUN <sup>2</sup> , SEUNG-HWAN LEE <sup>2</sup>	<sup>1</sup> Clinical Emotion and Cognition Research Laboratory, Goyang, Korea, Republic of, <sup>2</sup> Department of Psychiatry, Inje University, Ilsan-Paek Hospital, Goyang, Korea, Republic of, <sup>3</sup> Department of Psychology, Chung-Ang University, Seoul, Korea, Republic of	P-01-0521
P00.82	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	The effect of positive emotional gesture guidance to speech sound discrimination in children with autism spectrum disorder	NONTICHA THAVORNPAIBONBUD <sup>1</sup> , ASST.PROF.VORASITH SIRIPORNANICH <sup>1</sup>	<sup>1</sup> Institute of Molecular Biosciences Mahidol University, Nakomprathom, Thailand	P-01-0527
P00.83	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	De novo mutation in EP300 gene in an autistic patient and its influence in autistic phenotypes in a transgenic mouse line mimicking the mutation	HYOPIL KIM <sup>1</sup> , HYO-WON KIM <sup>2</sup> , JAE-HYUNG LEE <sup>3</sup> , SANG-BEOM SEO <sup>4</sup> , TED ABEL <sup>5</sup> , YONG-SEOK LEE <sup>6</sup> , BONG-KIUN KAANG <sup>1</sup>	<sup>1</sup> School of Biological Sciences, College of Natural Sciences, Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Department of Psychiatry, University of Ulsan College of Medicine, Ulsan Medical Center, Seoul, Korea, Republic of, <sup>3</sup> Department of Life and Nanopharmaceutical Sciences, Department of Maxillofacial Biomedical Engineering, School of Dentistry, Kyung Hee University, Seoul, Korea, Republic of, <sup>4</sup> Department of Life Science, College of Natural Sciences, Chung-Ang University, Seoul, Korea, Republic of, <sup>5</sup> Iowa Neuroscience Institute, University of Iowa Carver College of Medicine, Iowa City, USA, <sup>6</sup> Department of Physiology, Seoul National University College of Medicine, Seoul, Korea, Republic of	P-01-0543

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P00.84	Grand Ballroom, 3F	Cognition and behavior	2019.09.22 12:40	2019.09.22 14:40	Morris water maze performance correlates with gene expression in the hippocampus: A transcriptome analysis	<b>POLINA KISARETOVA<sup>1</sup></b> , ANASTASIYA SHULUPOVA <sup>1</sup> , ANNA IVANCHIKHINA <sup>1</sup> , NATALYA KLIMOVA <sup>1</sup> , NIKITA ERSHOV <sup>2</sup> , VASILYI RESHETNIKOV <sup>3</sup> , TATYANA MERVULOVA <sup>4</sup> , NATALYA BONDAR <sup>2</sup>	<sup>1</sup> NSU, ICG SB RAS, Novosibirsk, Russia, <sup>2</sup> Novosibirsk State University, Institute of Cytology and Genetics SB RAS, Novosibirsk, Russia, <sup>3</sup> Novosibirsk State Medical University, Novosibirsk, Russia, <sup>4</sup> Novosibirsk State University, Novosibirsk, Russia, <sup>5</sup> Institute of Cytology and Genetics SB RAS, Novosibirsk, Russia	P-01-1888
P01.01	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	Role of Per3, a circadian clock gene, in brain development	<b>KOHCHEI NAGATA<sup>1</sup></b> , MARIKO NODA <sup>1</sup> , IKUKO IWAMOTO <sup>1</sup> , HIDENORI TABATA <sup>1</sup> , HIDENORI ITO <sup>2</sup>	<sup>1</sup> Department of Molecular Neurobiology, Institute for Developmental Research, Aichi Human Service Center, Kasugai, Japan	P-02-0055
P01.02	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	Language and executive functions in primary progressive aphasia	<b>LAURENT LEFEBVRE<sup>1</sup></b> , SANDRINE BASAGLIA-PAPPAS <sup>2</sup> , KENDRA KANDANA ARACHICHE <sup>1</sup> , BERNARD LAURENT <sup>1</sup> , MANDY ROSSIGNOL <sup>1</sup> , ISABELLE SIMOES LOUREIRO <sup>1</sup>	<sup>1</sup> University of Mons, Mons, Belgium, <sup>2</sup> University of Mons, Saint-Etienne, France, <sup>3</sup> CHU Nord, CMRR, Unité de Neuropsychologie, Saint-Etienne, France	P-02-0125
P01.03	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	Electric axon guidance is mediated by Ca <sup>2+</sup> binding to integrin	<b>MASAYUKI YAMASHITA<sup>1</sup></b>	<sup>1</sup> International University of Health and Welfare, Ohtawara, Japan	P-02-0188
P01.04	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	The novel gene <i>Nwfd</i> regulate brain development	<b>SEIYA YAMADA<sup>1</sup></b> , HIROKI AKIYAMA <sup>1</sup> , SHIN-ICHI SAKAKIBARA <sup>1</sup>	<sup>1</sup> Laboratory for Molecular Neurobiology, Graduate school of Human Sciences, Waseda University, Saitama, Japan	P-02-0204
P01.05	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	Early administration of umbilical cord blood cells exacerbates ventilation-induced brain injury in preterm lambs.	<b>KYRA CHAN<sup>1</sup></b> , VALERIE ZAHRA <sup>2</sup> , VANESA STOJANOVSKA <sup>3</sup> , PARIS PAPAIGIANIS <sup>4</sup> , ANQI LI <sup>5</sup> , ILIAS NITSOS <sup>6</sup> , DOMENIC LAROSA <sup>7</sup> , SUZANNE MILLER <sup>8</sup> , DHAFER ALAHMARI <sup>9</sup> , GRAEME POLGLASE <sup>10</sup> , COURTNEY MCDONALD <sup>2</sup>	<sup>1</sup> Department of Obstetrics and Gynaecology, Monash University and The Ritchie Centre, Hudson Institute of Medical Research, Melbourne, Australia, <sup>2</sup> The Ritchie Centre, Hudson Institute of Medical Research, Melbourne, Australia, <sup>3</sup> Monash Biomedical Imaging, Melbourne, Australia	P-02-0209
P01.06	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	Altered structural brain networks at term-equivalent age in preterm infants with low-grade intraventricular hemorrhage	<b>HYUN JU LEE<sup>1</sup></b> , JOO YOUNG LEE <sup>1</sup> , JONG HO CHA <sup>1</sup>	<sup>1</sup> Hanyang university, Seoul, Korea, Republic of	P-02-0243
P01.07	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	Dual mechanisms for the regulation of brain-derived neurotrophic factor by valproic acid in neural progenitor cells	<b>YEONSUN JIN<sup>1</sup></b> , HYUNMYUNG KO <sup>2</sup> , SUNGHOON LEE <sup>2</sup>	<sup>1</sup> Chung-Ang Univ., Seoul, Korea, Republic of, <sup>2</sup> Chung-ang univ., Seoul, Korea, Republic of, <sup>3</sup> Wookuniv., Jincheon, Korea, Republic of	P-02-0257
P01.08	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	Usp9x-null Mice Show Corpus Callosum Dysgenesis and Altered Behavior	<b>MARIA KASHERMAN<sup>1</sup></b> , STEPHEN WOOD <sup>2</sup> , MICHAEL PIPER <sup>2</sup>	<sup>1</sup> Griffith University, Brisbane, Australia, <sup>2</sup> University of Queensland, Brisbane, Australia	P-02-0284
P01.09	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	Developmental patterns of the <i>Drosophila</i> visual projection neurons	<b>RANA EL-DANAF<sup>1</sup></b> , NAILA ADAM <sup>1</sup> , CLAUDE DESPLAN <sup>2</sup>	<sup>1</sup> New York University Abu Dhabi, Abu Dhabi, United Arab Emirates, <sup>2</sup> New York University Abu Dhabi, Abu Dhabi, United Arab Emirates, <sup>3</sup> New York University Abu Dhabi, Abu Dhabi, United Arab Emirates	P-02-0308
P01.10	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	Tracking of neurons derived from basal radial glia experiencing multiple cell division in the developing neocortex of ferrets	<b>KAZUHIKO SAWADA<sup>1</sup></b>	<sup>1</sup> Tsukuba International University, Tsuchiura, Japan	P-02-0313
P01.11	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	The role of hyaluronan in the morphological development of hippocampal neurons	<b>MOLLY ABRAHAM<sup>1</sup></b> , RASHIKA KARUNASINGE <sup>1</sup> , TANIA FOWKE <sup>2</sup> , JUSTIN DEAN <sup>1</sup>	<sup>1</sup> University of Auckland, Auckland, New Zealand, <sup>2</sup> University of Auckland, Auckland, New Zealand	P-02-0320
P01.12	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	Early-Generated Interneurons Regulate Neuronal Circuit Formation during Early Postnatal Development	<b>YONGCHUN YU<sup>1</sup></b>	<sup>1</sup> FUDAN UNIVERSITY, SHANGHAI, China	P-02-0362
P01.13	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	Expression pattern of neurogenesis development factor (NGDF) in the central nervous system using NGDF-LacZ knock-in mouse model	<b>ANU SHAHAPAL<sup>1</sup></b> , HYU JEONG YONG <sup>1</sup> , BYEONGIL YU <sup>1</sup> , WON SUK LEE <sup>1</sup> , JONG-IK HWANG <sup>1</sup> , JAE YOUNG SEONG <sup>1</sup>	<sup>1</sup> Korea University, Seoul, Korea, Republic of	P-02-0405
P01.14	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	Expression pattern of a novel chemokine like peptide, BDNF 3 during developmental and mature stages of mouse brain	<b>HYU JEONG YONG<sup>1</sup></b> , ANU SHAHAPAL <sup>1</sup> , BYEONGIL YU <sup>1</sup> , WON SUK LEE <sup>1</sup> , JONG-IK HWANG <sup>1</sup> , JAE YOUNG SEONG <sup>1</sup>	<sup>1</sup> Graduate School of Medicine, Korea University, Seoul, Korea, Republic of	P-02-0406
P01.15	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	Exploring the spatio-temporal transcriptome of the developing human brain	<b>CHRISTOPHER PLAYFOOT<sup>1</sup></b> , JULIEN DUC <sup>1</sup> , ALEXANDRE COUDRAY <sup>1</sup> , DIDIER TRONO <sup>1</sup>	<sup>1</sup> EPFL, Lausanne, Switzerland	P-02-0414
P01.16	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	Foxp1 is critical for maintenance of the neuron plasticity	<b>CAO GUANGLIANG<sup>1</sup></b> , YU BAOCONG <sup>1</sup> , ZHAO CHUNJIE <sup>1</sup>	<sup>1</sup> Southeast University, Nanjing, China	P-02-0420
P01.17	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	Understanding neurogenesis in the human spinal cord using stem cell-based 3D organoids	<b>YOUNG YOUNG<sup>1</sup></b> , JU-HYUN LEE <sup>2</sup> , HANUL YUN <sup>1</sup> , WOO MIN SEO <sup>1</sup> , YU JIN KANG <sup>1</sup> , JONG WOON KIM <sup>1</sup> , WOONG SUN <sup>2</sup> , MI-RYOUNG SONG <sup>1</sup>	<sup>1</sup> Gwangju institute of science and technology, Gwangju, Korea, Republic of, <sup>2</sup> Korea University College of Medicine, Seoul, Korea, Republic of, <sup>3</sup> Chonnam National University Medical School, Gwangju, Korea, Republic of	P-02-0453
P01.18	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	Netrin-1/DCC-mediated PLoG1 activation is required for axon guidance and brain structure development	<b>DU-SEOCK KANG<sup>1</sup></b> , YONG RYOUL YANG <sup>2</sup> , CHEUL LEE <sup>2</sup> , BUMWOO PARK <sup>2</sup> , JEONG KON SEO <sup>2</sup> , HYUNJOON CHO <sup>2</sup> , LUCIO COCCO <sup>3</sup> , PANN-GHILL SUH <sup>2</sup>	<sup>1</sup> College of Life Science & Bioengineering, Korea Advanced Institute of Science & Technology (KAIST), Daejeon, Korea, Republic of, <sup>2</sup> School of Life Sciences, Ulsan National Institute of Science and Technology, Ulsan, Korea, Republic of, <sup>3</sup> UNIST Central Research Facility, Ulsan National Institute of Science and Technology, Ulsan, Korea, Republic of, <sup>4</sup> Cellular Signaling Laboratory, Department of Biomedical and NeuroMotor Sciences, University of Bologna, Bologna, Italy, Bologna, Italy	P-02-0457
P01.19	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	Intrinsic regulators of neuronal regeneration in <i>C. elegans</i>	<b>KYUNG WON KIM<sup>1</sup></b> , YISHI JIN <sup>2</sup> , ANDREW CHISHOLM <sup>2</sup>	<sup>1</sup> Hallym University, Chuncheon, Korea, Republic of, <sup>2</sup> University of California, San Diego, La Jolla, USA	P-02-0486
P01.20	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	The ontogeny of visual lateralization in pigeons might underlie miRNA-regulated Trk receptor expression	<b>STEPHANIE LOR<sup>1</sup></b> , VERENA THEIS <sup>2</sup> , DIRK MOSER <sup>2</sup> , ROBERT KUMSTA <sup>3</sup> , CARSTEN THEISS <sup>4</sup> , ONUR GUNTURKUN <sup>5</sup>	<sup>1</sup> Institute of Cognitive Neuroscience, Dept. Biopsychology, Faculty of Psychology, Ruhr-University Bochum, Bochum, Germany, <sup>2</sup> Dept. of Cytology, Medical Faculty, Ruhr-University Bochum, Bochum, Germany, <sup>3</sup> Dept. Genetic Psychology, Faculty of Psychology, Ruhr-University Bochum, Bochum, Germany	P-02-0497
P01.21	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	Regulation of <i>Nk2.2/vnd</i> in the expression of <i>deadpan</i> ( <i>dpr</i> ) in <i>Drosophila melanogaster</i>	<b>SIUK YO<sup>1</sup></b> , SE-JIN KIM <sup>2</sup> , SU-HYUN JO <sup>3</sup>	<sup>1</sup> Department of Life Sciences, Yeungnam University, Gyongsang, Gyongsang 38541, Korea, Republic of, <sup>2</sup> NIKOM (National Development Institute of Korean Medicine), Gyongsang, Gyongsang, Korea, Republic of, <sup>3</sup> Department of Life Sciences, Yeungnam University, Gyongsang, Gyongsang 38541, Korea, Republic of	P-02-0523
P01.23	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	Immunohistochemical study of cerebellar corticogenesis in ferrets	<b>SHIORI KAMIYA<sup>1</sup></b> , KAZUHIKO SAWADA <sup>1</sup>	<sup>1</sup> Tsukuba International University, Tsuchiura-city, Japan	P-02-0532
P01.24	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	Role of TTF-1 in leptin action for hypothalamic neuronal development	<b>DASOL KANG<sup>1</sup></b> , BYUNG JU LEE <sup>1</sup>	<sup>1</sup> Ulsan university, Ulsan, Korea, Republic of	P-02-0573
P01.25	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	Junctional Neural Tube Defect: A peak at what happens 'between primary and secondary neurulation	<b>JI YEOUN LEE<sup>1</sup></b> , KYU-CHANG WANG <sup>1</sup>	<sup>1</sup> Seoul National University College of Medicine, Seoul, Korea, Republic of	P-02-0591
P01.26	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	Proteomic study reveals a possible molecular mechanism of neurotrophic activity of <i>Galidium amsali</i> in primary cultured neurons	<b>MD ABDUL HANNAN<sup>1</sup></b> , MD. NAZMUL HAQUE <sup>1</sup> , RAJU DASH <sup>1</sup> , HO JIN CHOI <sup>1</sup> , DIYAH FATMAH OKTAVIANI <sup>1</sup> , IL SOO MOON <sup>1</sup>	<sup>1</sup> Dongguk university, Gyeongju, Korea, Republic of	P-02-0614
P01.27	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	The Role of Placental Signaling in Altered Neurodevelopment in Rat-Model of IUGR	<b>PHILEMON D. SHALLIE<sup>1</sup></b> , OLUWADAMILOLA FAITH SHALLIE <sup>2</sup> , DENISE MARGOLIS <sup>2</sup> , THAJASVARIE NAIKER <sup>2</sup>	<sup>1</sup> Obafemi Okunjo University, Sagamu, Nigeria, <sup>2</sup> University of KwaZulu-Natal, Durban, South Africa	P-02-0620
P01.28	Grand Ballroom, 3F	Development	2019.09.22 12:40	2019.09.22 14:40	The neurodevelopmental consequences of genomic stress	<b>NADINE MICHEL<sup>1</sup></b> , USNISH MAJUMDAR <sup>2</sup> , JOANNE LANNIGAN <sup>1</sup> , MICHAEL MCCONNELL <sup>2</sup>	<sup>1</sup> University of Virginia School of Medicine, Charlottesville, USA, <sup>2</sup> Department of Biochemistry and Molecular Genetics, Charlottesville, USA, <sup>3</sup> Ichahn School of Medicine, Charlottesville, USA, <sup>4</sup> University of Virginia Flow Core Facility, Charlottesville, USA	P-02-0645
P02.01	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Neuroprotective Role of Phosphatase of Regenerating Liver-1 against CO <sub>2</sub> Stimulation in <i>Drosophila</i>	<b>YONGMEI XI<sup>1</sup></b> , PENGFEI GUO <sup>1</sup> , XIAO XU <sup>1</sup> , XIAOHANG YANG <sup>1</sup>	<sup>1</sup> Institute of Genetics and Department of Genetics, Division of Human Reproduction and Developmental Genetics of the Women's Hospital, Zhejiang University School of Medicine, Hangzhou, China	P-03-1853
P02.02	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Protective effect of Yukijihwang-tang (YJT) against Oxidative Stress in rodent model	<b>HORYONG YO<sup>1</sup></b> , TAE MIN EOM <sup>2</sup> , IN CHAN SEOL <sup>2</sup> , YOON SIK KIM <sup>2</sup>	<sup>1</sup> Daejeon University, Daejeon, Korea, Republic of, <sup>2</sup> Center of Neurologic Diseases, Dunsan Korean Medicine Hospital, Daejeon University, Daejeon, Korea, Republic of, <sup>3</sup> Center of Stroke Neurology, Chunan Korean Medicine Hospital, Daejeon University, Chunan, Korea, Republic of	P-03-1847
P02.03	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Effects of rTMS on Cognition and Functional Connectivity in Subacute Stroke Patients	<b>YEONG WOOK KIM<sup>1</sup></b> , MIN KYUN SOHN <sup>1</sup>	<sup>1</sup> Department of Rehabilitation Medicine, School of Medicine, Chungnam National University, Daejeon, Korea, Republic of	P-03-1837
P02.04	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Ginsenoside Rk1 inhibits antitumor activity through Akt/b-catenin signalling pathway in neuroblastoma cells	<b>JAE HOON JEONG<sup>1</sup></b> , JUNG-MI OH <sup>1</sup> , SUNGKUN CHUN <sup>1</sup>	<sup>1</sup> Chonbuk National University Medical School, Jeonju, Korea, Republic of	P-03-1834
P02.05	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Elevation of endoplasmic reticulum (ER) stress-mediated Ca <sup>2+</sup> release leads to tauopathy in chronic traumatic encephalopathy (CTE)	<b>HYEONJOO IM<sup>1</sup></b> , YUNHA KIM <sup>1</sup> , SUNG SOO IM <sup>2</sup> , YUN KYUNG KIM <sup>1</sup> , SEUNG JAE HYEON <sup>1</sup> , JUNGHEE LEE <sup>2</sup> , NEIL W. KOWALL <sup>3</sup> , SOOYOUNG CHUNG <sup>1</sup> , ANN C. MCKEE <sup>3</sup> , HOON RYU <sup>1</sup>	<sup>1</sup> Center for Neuroscience, Brain Science Institute, Korea Institute of Science and Technology, Seoul, Korea, Republic of, <sup>2</sup> Convergence Research Center for Diagnosis, Treatment, and Care System of Dementia, Korea Institute of Science and Technology, Seoul, Korea, Republic of, <sup>3</sup> Boston University, Boston, USA	P-03-1833
P02.06	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Noninvasive brain stimulation to attenuate Alzheimer's pathology	<b>MITCHELL MURDOCK<sup>1</sup></b> , ELANA LOCKSHIN <sup>1</sup> , LI-HUEI TSAI <sup>1</sup>	<sup>1</sup> MIT, Cambridge, USA	P-03-1831
P02.07	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Correlation between oligomerization of amyloid beta in plasma and other Alzheimer's disease biomarkers	<b>SUNGMIN KANG<sup>1</sup></b> , JEEWOON SUH <sup>2</sup> , JEONG MIN PYUN <sup>2</sup> , YOUNG CHUL YOON <sup>1</sup> , JI SUN YU <sup>1</sup> , GWANG JE KIM <sup>1</sup> , BYOUNG-SUB LEE <sup>1</sup> , AERIM CHOE <sup>1</sup> , YECHAN JOH <sup>1</sup> , SHINWON KIM <sup>1</sup> , RYAN LEE <sup>1</sup> , SEONG SOO AN <sup>1</sup> , CHANG WAN OH <sup>1</sup> , SANGYUN KIM <sup>2</sup>	<sup>1</sup> Peopledo Inc., Seongnam-si, Korea, Republic of, <sup>2</sup> Department of Neurology, Seoul National University Bundang Hospital & Seoul National University College of Medicine, Seongnam-si, Korea, Republic of, <sup>3</sup> Department of Neurology, Chung-Ang University Hospital, Seoul, Korea, Republic of, <sup>4</sup> Gachon University College of Nanobiotechnology, Seongnam-si, Korea, Republic of, <sup>5</sup> Department of Neurosurgery, Seoul National University College of Medicine Clinical Neuroscience Center, Seoul National University Bundang Hospital, Seongnam-si, Korea, Republic of	P-03-1823
P02.08	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Dysfunction of X-linked inhibitor of apoptosis protein (XIAP) leads to neuronal damage via altered p53 activity in Huntington's disease	<b>SEUNG JAE HYEON<sup>1</sup></b> , TIAN LIU <sup>2</sup> , SEUNG CHAN KIM <sup>1</sup> , JINYOUNG PARK <sup>1</sup> , MI HYUN CHOI <sup>1</sup> , HYUN SOO SHIM <sup>1</sup> , HYEONJOO IM <sup>1</sup> , PHUONG NGUYEN <sup>1</sup> , YU JIN HWANG <sup>1</sup> , RICHARD MEYER <sup>1</sup> , EUN JOO SONG <sup>1</sup> , EUN MI HWANG <sup>1</sup> , NEIL KOWALL <sup>3</sup> , HYEMYUNG SEO <sup>1</sup> , JUNGHEE LEE <sup>2</sup> , HOON RYU <sup>1</sup>	<sup>1</sup> KIST, Seoul, Korea, Republic of, <sup>2</sup> South Florida University, Tampa, USA, <sup>3</sup> Boston University, Boston, USA, <sup>4</sup> Hanyang University, Ansan, Korea, Republic of	P-03-1817
P02.09	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	The human microglia (HMC-3) as a cellular model of neuroinflammation	<b>IZABELA LEPIARZ<sup>1</sup></b> , OLUMAYOKUN OLAJUDE <sup>2</sup>	<sup>1</sup> The University of Huddersfield, Huddersfield, UK, <sup>2</sup> The University of Huddersfield, Huddersfield, UK	P-03-1813
P02.10	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	mTOR cascade inhibition underlies the anti-epileptic effects of combined metformin and caloric restriction	<b>BRYAN PHILLIPS-FARFAN<sup>1</sup></b> , MARIA DEL CARMEN RUBIO OSORNO <sup>2</sup> , VERONICA CUSTODIO RAMIREZ <sup>2</sup> , DANIELA CALDERON GAMEZ <sup>2</sup> , CARLOS PAZ TRES <sup>2</sup> , KARLA CARVAJAL AGUILERA <sup>1</sup>	<sup>1</sup> Laboratorio de Nutrición Experimental, Instituto Nacional de Pediatría, Mexico City, Mexico, <sup>2</sup> Laboratorio de Neurofisiología, Instituto Nacional de Neurología y Neurocirugía, Mexico City, Mexico	P-03-1809
P02.11	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Calpain 2 contributes prenatal stress-induced epileptic spasms in the infant rat	<b>HYEOK HEE KWON<sup>1</sup></b> , CHIRANJIVI NEUPANE <sup>1</sup> , JUHEE SHIN <sup>1</sup> , DO HYEONG GWON <sup>1</sup> , YUHUA YIN <sup>1</sup> , NARA SHIN <sup>1</sup> , HYU JUNG SHIN <sup>1</sup> , JINPYO HONG <sup>1</sup> , JIN BONG PARK <sup>1</sup> , YOONYOUNG YP <sup>1</sup> , DONG WOON KIM <sup>1</sup> , JOON WON KANG <sup>2</sup>	<sup>1</sup> Chungnam National University, Daejeon, Korea, Republic of, <sup>2</sup> Chungnam National University Hospital, Daejeon, Korea, Republic of	P-03-1806
P02.12	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Identification of amino-truncated amyloid beta peptides AβN 3-42 and AβN <sub>1-42</sub> in age-related cataracts and retinas from diabetic and non-diabetic patients.	<b>LUIS F. HERNANDEZ-ZIMBRON<sup>1</sup></b> , FRIDA PAULINA MURIZ-RUIVALCABA <sup>1</sup> , NAYELI MARTINEZ-ZURIGA <sup>2</sup> , ABIGAIL TORRES-ROMERO <sup>2</sup> , ROBERTO GONZALEZ-SALINAS <sup>3</sup> , HUGO QUIROZ-MERCADO <sup>3</sup>	<sup>1</sup> Asociación Para Evitar la Ceguera en México I.A.P., Mexico, Mexico, <sup>2</sup> Departamento de Investigación, Asociación Para Evitar la Ceguera en México I.A.P., Departamento de Bioquímica, Facultad de Medicina, UNAM, Mexico, Mexico, <sup>3</sup> Departamento de Investigación, Asociación Para Evitar la Ceguera en México I.A.P., Mexico City, Mexico, Mexico	P-03-1805
P02.13	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Inhibition of non-muscle myosinIIb enhances cellular degradation of insoluble form of FTD/ALS-linked TDP-43 protein and reduces cellular toxicity	<b>MHIEE JUN<sup>1</sup></b> , HAEUN CHO <sup>1</sup> , PUREM JEON <sup>1</sup> , YOU-KYUNG LEE <sup>1</sup> , DEOK-JIN JANG <sup>2</sup> , JIN-A LEE <sup>1</sup>	<sup>1</sup> Hannam University, Daejeon, Korea, Republic of, <sup>2</sup> Kyungpook National University, Sangju, Korea, Republic of	P-03-1803

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P02.14	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Effect of the number of independent components in default mode network: depression study	JY HYUN BAE <sup>1</sup> , YOU MIN JUNG <sup>2</sup> , BOKYOUNG KIM <sup>3</sup> , HANG KEUN KIM <sup>4</sup> , JONG HOON KIM <sup>5</sup> , YOUNG DON SON <sup>2</sup>	<sup>1</sup> Gachon University, Incheon, Korea, Republic of, <sup>2</sup> Department of Biomedical Engineering, Gachon University, Incheon, Korea, Republic of, <sup>3</sup> Department of Health Sciences and Technology, GAIHST, Gachon University, Incheon, Korea, Republic of, <sup>4</sup> Department of Psychiatry, Gil Medical Center, Incheon, Korea, Republic of	P-03-1800
P02.15	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Epileptiform activity induced by kainate application results in increased Reelin expression and motility of differentiated granule cells	XUEJUN CHAI <sup>1</sup> , SHANTING ZHAO <sup>2</sup> , JIPING YANG <sup>2</sup> , JUNFENG ZHANG <sup>2</sup> , XI XU <sup>2</sup>	<sup>1</sup> College of basic Medicine, Xi'an Medical University, Xi'an 710021, China, Xi'an, China, <sup>2</sup> College of Basic Medicine, Xi'an Medical University, Xi'an 710021, China, Xi'an, China, <sup>3</sup> Laboratory of Neurobiology, Northwest A&F University, Yangling 712100, China, Yangling, China	P-03-1799
P02.16	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Truncation mutation of <i>FDZD8</i> in a family with intellectual disability and autistic features	STEVEN CLAPCOTE <sup>1</sup> , CHRIS F INGLEHEARN <sup>1</sup> , MANIR ALI <sup>1</sup> , AHMED H AL-AMRI <sup>2</sup> , AMANDA BRETMAN <sup>3</sup> , JAMES ROUSE <sup>4</sup> , THOMAS WAINWRIGHT <sup>5</sup> , PAUL ARMSTRONG <sup>6</sup>	<sup>1</sup> University of Leeds, Leeds, UK, <sup>2</sup> National Genetic Centre, Directorate General of Royal Hospital, Muscat, Oman	P-03-1798
P02.17	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Levodopa-Related Peripheral Neuropathy in Patients with Parkinson's Disease	FATEMEH SEIFAR <sup>1</sup> , HORMOZ AYROMLOU <sup>2</sup> , MOHAMMAD YAZDCHI <sup>3</sup> , ROGHAYEH ASADI <sup>4</sup> , FARID HAJIBONABI <sup>5</sup> , NEDA GHAEMAN <sup>6</sup>	<sup>1</sup> Stem Cell Research Center, Tabriz University of Medical Sciences, Tabriz, Iran, <sup>2</sup> Neuroscience Research Center, Tabriz University of Medical Sciences, Tabriz, Iran, <sup>3</sup> Student Research Committee, Tabriz University of Medical Sciences, Tabriz, Iran	P-03-1794
P02.18	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Neuroprotective potential of free-range chicken eggs to chronic stress rats	NINDYASTUTI <sup>1</sup> , HARDINSYAH <sup>1</sup> , DEWI RATHI AGUNGPRIONO <sup>2</sup> , SRI ANNA MARLIYATI <sup>3</sup> , EKOWATI HANDHARYANI <sup>4</sup>	<sup>1</sup> IPB UNIVERSITY, BOGOR, Indonesia	P-03-1790
P02.19	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Relationship between cerebellar development and emerging neurodevelopmental disorders	CHIE MORIMOTO <sup>1</sup> , KIYOTO KASAI <sup>1</sup> , SHINSUKE KOIKE <sup>2</sup>	<sup>1</sup> Department of Neuropsychiatry, Graduate School of Medicine, The University of Tokyo, Tokyo, Japan, <sup>2</sup> University of Tokyo Institute for Diversity & Adaptation of Human Mind (UTIDAHM), The University of Tokyo, Tokyo, Japan	P-03-1787
P02.20	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Targeting RPTPo to overcome CSPG-mediated inhibition of remyelination in animal models of multiple sclerosis	SMARANDA RUXANDRA BADEA <sup>1</sup> , LI RONG <sup>1</sup> , RONG LIU <sup>1</sup> , HAITAO SUN <sup>2</sup> , JIAN-DONG HUANG <sup>3</sup> , WUTIAN WU <sup>4</sup>	<sup>1</sup> School of Biomedical Sciences, The University of Hong Kong, Hong Kong, Hong Kong SAR, China, <sup>2</sup> Department of Neurosurgery, Zhujiang Hospital, Southern Medical University, Guangzhou, China, <sup>3</sup> State Key Laboratory of Brain and Cognitive Sciences, The University of Hong Kong, Hong Kong, Hong Kong SAR, China, <sup>4</sup> Joint Laboratory for Brain Function and Health (BF&H), Jinan University and The University of Hong Kong, Guangzhou, China	P-03-1785
P02.21	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Neuroprotective effect of Aptamin-C in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) induced Parkinson's disease mice model	MINKYUNG SONG <sup>1</sup> , JOO HEE LEE <sup>2</sup> , YOON JU KIM <sup>2</sup> , YOUNG-JUNG KIM <sup>2</sup>	<sup>1</sup> University of central florida, Orlando, USA, <sup>2</sup> KyungHee University, Seoul, Korea, Republic of	P-03-1780
P02.22	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Effects of a semi-chronic exposition to Paraquat and Maneb on the circadian rhythm of locomotor activity in Wistar rats	NADA FATH <sup>1</sup> , ANASS TINAKOUA <sup>1</sup> , NOURIA LAKHDAR-GHAZAL <sup>2</sup> , NOURIA LAKHDAR-GHAZAL <sup>2</sup>	<sup>1</sup> Comparative Anatomy Unit, Department of Biological and Pharmaceutical Veterinary Sciences, Hassan II Agronomy and Veterinary Institute, BP: 6202, Rabat, Morocco, <sup>2</sup> Rabat, Morocco, <sup>3</sup> Team Biological Rhythms, Neurosciences and Environment, Department of Biology, Faculty of Sciences, Mohamed V University, Rabat, Morocco, Rabat, Morocco, <sup>4</sup> Institute of mediterranean neurobiology INMED-INSERM U901, Marseille, France, Marseille, France	P-03-1769
P02.23	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Blockade of PD-1/PD-L1 suppresses epileptiform activities in both <i>in vivo</i> and <i>in vitro</i> seizure models	YUN WANG <sup>1</sup> , ZHIYUN CHEN <sup>1</sup> , XU LIU <sup>1</sup> , GUOXIANG WANG <sup>1</sup>	<sup>1</sup> Fudan University, Shanghai, China	P-03-1767
P02.24	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Alterations in resting-state functional and effective connectivity on salience network in first episode schizophrenia	CHONGWON PAE <sup>1</sup> , HAE-JEONG PARK <sup>1</sup>	<sup>1</sup> Department of Nuclear Medicine, Yonsei University College of Medicine, Seoul, Korea, Republic of	P-03-1765
P02.25	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	The altered affective distress in neuropathic pain state is mediated by the metabotropic glutamate receptor 5 in the brain	GEEOH CHUNG <sup>1</sup> , CHAE YOUNG KIM <sup>2</sup> , YEONG-CHAN YUN <sup>3</sup> , SEUNGHI WOO <sup>4</sup> , SANG HO YOON <sup>5</sup> , MYOUNG-HWAN KIM <sup>6</sup> , SANG JEONG KIM <sup>7</sup> , SUN KWANG KIM <sup>1</sup>	<sup>1</sup> Kyung Hee University, Seoul, Korea, Republic of, <sup>2</sup> Seoul National University, Seoul, Korea, Republic of, <sup>3</sup> Dongshin University, Naju, Korea, Republic of	P-03-1754
P02.26	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Cocaine drives schizophrenia-like behaviors via reduced neuronal activity in the nucleus accumbens	SUJI HAM <sup>1</sup> , HEH-IN IM <sup>1</sup>	<sup>1</sup> Convergence Research Center for Diagnosis, Treatment and Care System of Dementia, Korea Institute of Science and Technology (KIST), Seoul, Korea, <sup>2</sup> Division of Bio-Medical Science & Technology, KIST School, Korea University of Science and Technology, Seoul, Korea, Seoul, Korea, Republic of	P-03-1751
P02.27	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Epigenetic dysregulation of <i>mPCP2</i> in dorsal striatum underlies the pathogenesis of Alzheimer's disease in APP/PS1 mice	SANGJOON LEE <sup>1</sup> , YUNJUNG CHOI <sup>1</sup> , MINSU YOU <sup>1</sup> , JUHWAN KIM <sup>1</sup> , JEEWON RYU <sup>1</sup> , TAE KYOO KIM <sup>1</sup> , YOUM LI CHUN <sup>1</sup> , SUJI HAM <sup>1</sup> , HYE-SUN KIM <sup>1</sup> , HEH-IN IM <sup>1</sup>	<sup>1</sup> Convergence Research Center for Diagnosis, Treatment and Care System of Dementia, Korea Institute of Science and Technology (KIST), Seoul, Korea, Republic of, <sup>2</sup> Department of Pharmacology and Biomedical Sciences, Seoul National University College of Medicine, Seoul, Korea, Republic of	P-03-1744
P02.28	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Alpha-synuclein expression promotes Coxsackie virus infections in the brain and Coxsackie virus may play an important role in Lewy body formation	SOOJIN PARK <sup>1</sup> , SANG MYUN PARK <sup>2</sup>	<sup>1</sup> Aju University School of Medicine, Suwon, Korea, Republic of, <sup>2</sup> Aju University, Suwon, Korea, Republic of	P-03-1743
P02.29	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Machine learning application to predict the susceptibility to acute traumatic stress in inbred mice	MIN-JAE JONG <sup>1</sup> , JUNG HOON JUNG <sup>2</sup> , CHANGHEE LEE <sup>3</sup> , JOUNG-HUN KIM <sup>4</sup>	<sup>1</sup> Department of Life Sciences, POSTECH, Pohang, Korea, Republic of, <sup>2</sup> Hospital for Sick Children, Toronto, Canada, <sup>3</sup> Department of Mathematics, POSTECH, Pohang, Korea, Republic of	P-03-1740
P02.30	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Target screening of miR126 in pathological process of Alzheimer's Disease	SEOHAE SONG <sup>1</sup> , SEOHAE SONG <sup>1</sup> , HANEUL NOH <sup>1</sup> , KAI C. SONNTAG <sup>2</sup> , HYEMYUNG SEO <sup>2</sup>	<sup>1</sup> Harvard University, Ansan-si, Korea, Republic of, <sup>2</sup> McLean Hospital, Harvard Medical School, Belmont, USA	P-03-1726
P02.31	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	The effects of histone deacetylase inhibition on neuroinflammation and motor control in LRRK2 R1441G mice.	YEONGWON PARK <sup>1</sup> , SEOHAE SONG <sup>1</sup> , TAEWOO KIM <sup>1</sup> , HANEUL NOH <sup>1</sup> , SIMIL KANG <sup>1</sup> , HYEMYUNG SEO <sup>2</sup>	<sup>1</sup> Harvard University, Seoul, Korea, Republic of	P-03-1725
P02.32	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Cell type-specific translational profiling of the hippocampal dentate gyrus to chronic antidepressant treatment	JIN-JYEOK JANG <sup>1</sup> , GYOCHANG HONG <sup>1</sup> , SO-HYUN LEE <sup>1</sup> , YONG-SEOK OH <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of	P-03-1724
P02.33	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Differential phosphorylation of cytoskeletal proteins in LRRK2 R1441G Parkinson's disease model	JAEPIL SONG <sup>1</sup> , JEHA JUN <sup>2</sup> , TAEWOO KIM <sup>2</sup> , HYEMYUNG SEO <sup>2</sup>	<sup>1</sup> Harvard University, Ansan-si, Korea, Republic of, <sup>2</sup> Harvard University, Ansan-si, Korea, Republic of	P-03-1723
P02.34	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Automated Classification of Traumatic Brain Injury Using Machine Learning with Multiple Indices of Diffusion Tensor Imaging	HIBA ABUELGASIM FADLOLOMOULA ABDELRAHMAN <sup>1</sup> , ULBUKATA SHIHOO <sup>2</sup> , UEDA KEITA <sup>2</sup> , TOSHIHIKO ASO <sup>3</sup> , GAKU FUJIMOTO <sup>4</sup> , TOSHIYA MURAI <sup>5</sup>	<sup>1</sup> Kyoto University, Kyoto, Japan, <sup>2</sup> Kyoto University, Graduate school of Medicine, Department of Psychiatry, Kyoto, Japan	P-03-1721
P02.35	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Nanobodies (VHHs) for targeting tau in Alzheimer's disease and tauopathies	LUC BUEE <sup>1</sup> , CLEMENT DANIS <sup>2</sup> , ELIAN DUPRE <sup>2</sup> , ALEXIS ARRAL <sup>3</sup> , FRANÇOIS-XAVIER CANTRELLE <sup>4</sup> , JEAN-CHRISTOPHE RAIN <sup>5</sup> , MORVANE COLIN <sup>6</sup> , XAVIER HANOUILLE <sup>7</sup> , ISABELLE LANDRIEU <sup>8</sup>	<sup>1</sup> University of Lille - Inserm, Lille, France, <sup>2</sup> University of Lille, Lille, France, <sup>3</sup> Hydrigenics Service, Paris, France	P-03-1720
P02.36	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Depressive behavioral and physiological state induced by low-frequency rTMS to the ventral medial frontal cortex in monkeys	SHINGA NAKAMURA <sup>1</sup> , KEN-CHIRO TSUTSUMI <sup>1</sup>	<sup>1</sup> Laboratory of Systems Neuroscience, Graduate School of Life Sciences, Tohoku University, Sendai, Japan	P-03-1714
P02.37	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Gintoxin, a ginseng-derived ingredient, as a novel therapeutic strategy for Huntington's disease: Activation of the N1R2 pathway through lysophosphatidic acid receptors.	JONG HEE CHOI <sup>1</sup> , MINHEE JANG <sup>1</sup> , YEEUN JANG <sup>1</sup> , IK HYUN CHO <sup>1</sup>	<sup>1</sup> Kyung Hee University, Seoul, Korea, Republic of	P-03-1713
P02.38	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Cortical network dynamic changes in chronic socially-isolated mice	HYOJIN LEE <sup>1</sup> , GAON KIM <sup>1</sup> , YONG JEONG <sup>1</sup>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of	P-03-1709
P02.39	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	<i>Valeriana fauriei</i> exerts antidepressant-like effects through anti-inflammatory and anti-oxidant activities by inhibiting brain-derived neurotrophic factor associated in chronic restrained stress	JONG HEE CHOI <sup>1</sup> , MIN JUNG LEE <sup>2</sup> , IK-HYUN CHO <sup>1</sup>	<sup>1</sup> Kyung Hee University, Seoul, Korea, Republic of	P-03-1708
P02.40	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Genetic Modulation of p75 Neurotrophin Signaling in neurodegeneration	ANA OSORIO OLIVEIRA <sup>1</sup> , CARLOS IBANEZ <sup>2</sup>	<sup>1</sup> Karolinska Institute, Stockholm, Sweden	P-03-1707
P02.41	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Role of mitochondrial complex I in Parkinson's disease models	WON-SEOK CHOI <sup>1</sup>	<sup>1</sup> Chonnam National University, Gwanju, Korea, Republic of	P-03-1706
P02.42	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Functional transcriptome analysis related to stress resilience in FKBP5 deficient mice	YEONGJAE KIM <sup>1</sup> , JOONHONG KWON <sup>1</sup> , KOEUL CHOI <sup>1</sup> , SIHWAN SEOL <sup>1</sup> , HYO JUNG KANG <sup>1</sup>	<sup>1</sup> Department of Life Science, Chung-Ang University, Seoul, Korea, Republic of	P-03-1705
P02.43	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Functional role of pvalb-positive neurons of the mouse subthalamic nucleus	SOOYOUNG CHUNG <sup>1</sup> , HANBYUL KIM <sup>1</sup>	<sup>1</sup> Korea Institute of Science and Technology, Seoul, Korea, Republic of	P-03-1703
P02.44	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	The effect of rotenone on synuclein and neurotrophic factor gene expression levels in zebrafish larvae	ANWAR NORAZIT <sup>1</sup> , SHARVIN MANICKAM <sup>1</sup> , AGNES ONG LEE CHEN <sup>2</sup> , DAVID WONG CHEE EARN <sup>3</sup> , SUZITA MOHD NOOR <sup>4</sup>	<sup>1</sup> University of Malaya, Kuala Lumpur, Malaysia	P-03-1692
P02.45	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Development of Alzheimer's Disease Biomarker Using Aβ56 Soluble Oligomer in Human Nasal Secretions	SHENGMIN WANG <sup>1</sup> , GOWOON SON <sup>2</sup> , CHEIL MOON <sup>3</sup> , HYUN KOOK LIM <sup>1</sup>	<sup>1</sup> Medical College, Catholic University of Korea, Seoul, Korea, Republic of, <sup>2</sup> Department of Brain and Cognitive Sciences, Graduate School, Daegu Gyeongbuk Institute of Science and Technology, Daegu, Republic of Korea, Daegu, Korea, Republic of	P-03-1685
P02.46	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Selectively acting agent based on ablated CO <sub>2</sub> nanoparticles for photodynamic therapy of brain cancer	MAXIM PUGACHEVSKI <sup>1</sup> , EUN SEONG KIM <sup>2</sup> , NAM YOUNG KIM <sup>3</sup>	<sup>1</sup> Southwest State University, Kursk, Russia, <sup>2</sup> Kwangwon University, Seoul, Korea, Republic of, <sup>3</sup> Kwangwon University, RIFC Lab, Seoul, Korea, Republic of	P-03-1664
P02.47	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	ALK-mediated impairment of autophagosome maturation leads to tau accumulation and neuropathology in Alzheimer's disease	JISU PARK <sup>1</sup> , HYUNWOO CHOI <sup>1</sup> , YONG-KEUN JUNG <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-03-1661
P02.48	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Purkinje cell loss causes cerebellar hypoplasia and motor impairment in EBP1 deficient mice.	INWOO HWANG <sup>1</sup> , HYEONJEONG PARK <sup>2</sup> , SEONGBONG JO <sup>3</sup> , JEE-YIN AHN <sup>1</sup>	<sup>1</sup> Single Cell Network Research Center, Sungkyunkwan University, School of Medicine, Suwon, Korea, Republic of, <sup>2</sup> Sungkyunkwan University, School of Medicine, Suwon, Korea, Republic of	P-03-1659
P02.49	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Changes in gut microbiota landscape in chronic stress mouse model of depression and the rescue of stress-induced depressive-like behaviors by Lactobacillus-derived EVs	HYEJIN KWON <sup>1</sup> , JULI CHOI <sup>1</sup> , PYUNG-LIM HAN <sup>1</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences Ewha Womans University Republic of Korea, Seoul, Korea, Republic of	P-03-1645
P02.50	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Hippocampal neurogenesis enhancer enhances forgetting of nicotine-induced place preference memory	AYAKA MINAMI <sup>1</sup> , SATOSHI KIDA <sup>2</sup>	<sup>1</sup> Department of Bioscience, Tokyo University of Agriculture, Tokyo, Japan, <sup>2</sup> Graduate School of Agriculture and Life Sciences, The University of Tokyo, Tokyo, Japan	P-03-1638
P02.51	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Age related increase in cav-1 expression facilitates cell-to-cell transmission of α-synuclein in neurons	TAE-YOUNG HA <sup>1</sup> , YU REE CHOI <sup>1</sup> , HYE RIN NOH <sup>1</sup> , KA YOUNG KIM <sup>2</sup> , SANG MYUN PARK <sup>1</sup>	<sup>1</sup> Aju university, suwon, Korea, Republic of, <sup>2</sup> Gachon university, Incheon, Korea, Republic of	P-03-1635
P02.52	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Modulation of tau isoforms by RNA reprogramming: Functional consequences and therapeutic perspectives	MARIA-ELENA AVALA <sup>1</sup> , ANA DAMIANICH <sup>1</sup> , CAROLINA FACAL <sup>1</sup> , DELFINA LOCH <sup>1</sup> , JUAN FERRARIO <sup>1</sup> , SONIA ESPINDOLA <sup>1</sup> , MARIA-ELENA AVALA <sup>1</sup>	<sup>1</sup> INGEBI-CONICET- National Research Council Argentina, Buenos Aires, Argentina, <sup>2</sup> INGEBI-CONICET- National Research Council Argentina, Buenos Aires, Argentina, <sup>3</sup> FCEYN-UBA-University of Buenos Aires, Buenos Aires, Argentina	P-03-1633
P02.53	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	TMCA attenuated the morphine dependence in mice and rats	SEIKWAN OH <sup>1</sup> , MUJIN KIM <sup>1</sup> , THEA VILLA <sup>1</sup> , SOHYEON MOON <sup>1</sup>	<sup>1</sup> Ewha Womans University, Seoul, Korea, Republic of	P-03-1632
P02.54	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Effect of alpha lipoic acid on cognitive function in mouse model of chronic cerebrovascular hypoperfusion	JY HYE PARK <sup>1</sup> , YIM YI XIONG <sup>2</sup> , RONGHUA YUAN <sup>3</sup> , EUL SIG CHOI <sup>1</sup> , MI JUNG HAN <sup>1</sup> , SEOUL LEE <sup>1</sup>	<sup>1</sup> Department of Pharmacology and Wonkwang Brain Research Institute, Wonkwang University School of Medicine, Jeonbuk, Korea, Republic of, <sup>2</sup> Department of Pharmacology, Wonkwang University School of Medicine, Jeonbuk, Korea, Republic of	P-03-1630
P02.55	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Peripheral alterations in cytokine and chemokine levels in the young adult depressive risk group	EUNJOO NAM <sup>1</sup> , JINHO KIM <sup>1</sup> , YI-SEUL CHOE <sup>2</sup> , JONG-HOON KIM <sup>3</sup> , KEUN-A CHANG <sup>1</sup>	<sup>1</sup> Department of Pharmacology, College of Medicine, Gachon University, Incheon, Korea, Republic of, <sup>2</sup> Department of Psychiatry, Gachon University College of Medicine, Gil Medical Center, Neuroscience Research Institute, Incheon, Korea, Republic of	P-03-1612
P02.56	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Characterization of behavioral addiction: affects, personality, and cognitive bias	YUI ASAKA <sup>1</sup> , MOOJUN WON <sup>2</sup> , EMI ISHIKAWA <sup>3</sup> , TOMOYA MORITA <sup>4</sup> , YUKIORI GOTO <sup>5</sup>	<sup>1</sup> Kyoto University Primate Research Institute, Inuyama, Japan, <sup>2</sup> Kyowa Hospital, Onbu, Japan	P-03-1609
P02.57	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	L-Methionine effects on proliferation and cell death of human neuroblastoma SH-SY5Y and mouse hippocampus	KHAWLA NUSEIR <sup>1</sup> , AMAL ALACHKAR <sup>2</sup> , OLIVIER CIVELLI <sup>2</sup>	<sup>1</sup> Jordan University of Science and Technology, Irbid, Jordan, <sup>2</sup> University of California at Irvine, Irvine, USA	P-03-1606

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P02.58	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Intracellular trafficking defects induced by $\alpha$ -synuclein as a pathogenic mechanism for Parkinson's disease	AGUSTIN ANASTASIA <sup>1</sup> , MILAGROS OYAJERO <sup>1</sup> , VAISHALI SHARMA <sup>2</sup> , MILENA JANDAR PAZ <sup>2</sup> , MARIANO BISBAL <sup>1</sup> , DONNA J ARNDT-JOVIN <sup>1</sup> , THOMAS M JOVIN <sup>1</sup> , ALFREDO CACERES <sup>1</sup>	<sup>1</sup> Instituto Ferrerya (INIMEC-CONICET-Universidad Nacional de Cordoba), Cordoba, Argentina, <sup>2</sup> Laboratory of Cellular Dynamics, Max-Planck-Institute for Biophysical Chemistry, Göttingen, Germany	P-03-1603
P02.59	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Regional patterns of amyloid-beta accumulation in Alzheimer's disease: comparison between autoencoder and the non-negative matrix factorization (NMF)	MYUNGWON CHOI <sup>1</sup> , BYEONGCHANG JEONG <sup>1</sup> , HYUNCHUL YOUN <sup>1</sup> , HYUN-GHANG JEONG <sup>2</sup> , CHEOL E HAN <sup>1</sup>	<sup>1</sup> Department of Electronics and Information Engineering, Korea University, Sejong, Korea, Republic of, <sup>2</sup> Department of Psychiatry, Korea University College of Medicine, Seoul, Korea, Republic of	P-03-1597
P02.60	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Discriminating coupling between structural connectivity and functional connectivity in the brain networks of juvenile myoclonic epilepsy	DAEGYEOM KIM <sup>1</sup> , JEONG-HOON LEE <sup>1</sup> , MYUNGWON CHOI <sup>1</sup> , JI-HYUN KIM <sup>2</sup> , CHEOL E HAN <sup>1</sup>	<sup>1</sup> Department of Electronics and Information Engineering, Korea University, Sejong, Korea, Republic of, <sup>2</sup> Department of Neurology, Korea University Guro Hospital, Korea University College of Medicine, Seoul, Korea, Republic of	P-03-1596
P02.61	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Proteomics of the human neuronal cell culture model of Alzheimer's disease	MIN-YOUNG SONG <sup>1</sup> , DA KYEONG PARK <sup>1</sup> , CHAEWON PARK <sup>1</sup> , DAIN KIM <sup>1</sup> , SOO YOUNG LEE <sup>1</sup> , JUNG HOON CHOI <sup>1</sup> , JIN YOUNG KIM <sup>1</sup> , YOUNG HYE KIM <sup>1</sup>	<sup>1</sup> Biomedical Omics Research Group, Korea Basic Science Institute, Cheongju-si, Korea, Republic of	P-03-1592
P02.62	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Differential regulation of transcription factor activation induced by peripheral and central axotomy	YOUNG JOO OH <sup>1</sup> , MIN JUNG KWON <sup>2</sup> , BYUNG GON KIM <sup>2</sup>	<sup>1</sup> Ajou University, Suwon, Korea, Republic of, <sup>2</sup> Department of Neurology, Ajou University School of Medicine, Suwon, Korea, Republic of, <sup>3</sup> Department of Brain Science, Ajou University School of Medicine, Suwon, Korea, Republic of	P-03-1589
P02.63	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Cortical beta burst duration modulates other candidate electrophysiological biomarkers for closed-loop DBS in Parkinson's disease.	ANDERS CHRISTIAN MEIDAHAL <sup>1</sup>	<sup>1</sup> University of Oxford, Oxford, UK	P-03-1575
P02.64	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Effects of serotonergic drugs on dopamine-deficient mice.	YUKIKO OCHIAI <sup>1</sup> , MASAYO FUJITA <sup>2</sup> , YOKO HAGINO <sup>2</sup> , KAZUTO KOBAYASHI <sup>3</sup> , RYOICHI OKIYAMA <sup>4</sup> , KAZUTAKA IKEDA <sup>2</sup>	<sup>1</sup> Tokyo Metropolitan Institute of Medical Science <sup>1</sup> Neurology, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan, <sup>2</sup> Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan, <sup>3</sup> Department of Molecular Genetics, Institute of Biomedical Science, Fukushima Medical University, Fukushima, Japan, <sup>4</sup> Neurology, Tokyo Metropolitan Neurological Hospital, Tokyo, Japan	P-03-1572
P02.65	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Therapeutic effects of the collagen-binding motif of osteopontin in an animal model of cerebral palsy with bone loss	YOON KYUM SHIN <sup>1</sup> , SUK-YOUNG SONG <sup>2</sup> , EUNJU CHO <sup>1</sup> , SOONIL PYO <sup>3</sup> , BAE-GEUN NAM <sup>4</sup> , SEONGMOON JO <sup>5</sup> , JEONG HYUN HO <sup>6</sup> , JI HEA YU <sup>7</sup> , JUNG HWA SEO <sup>8</sup> , SOOHYUN WI <sup>9</sup> , AHRHEUM BAEK <sup>9</sup> , SUNG-RAE CHO <sup>9</sup>	<sup>1</sup> Brain Korea 21 PLUS Project for Medical Science, Yonsei University College of Medicine, Seoul, Korea, Republic of, <sup>2</sup> Department and Research Institute of Rehabilitation Medicine, Yonsei University College of Medicine, Seoul, Korea, Republic of, <sup>3</sup> Graduate Program of Nano Science and Technology, Yonsei University, Seoul, Korea, Republic of	P-03-1564
P02.66	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Effect of CC2D1A/Freud-1 and CC2D1B/Freud-2 genes knockdown in the frontal cortex on behavior and 5-HT1A receptor gene	ALEXANDRA PLYUSNINA <sup>1</sup> , ELENA KONDAUROVA <sup>1</sup> , TATIANA ILCHIBAEVA <sup>1</sup> , VLADIMIR NAUMENKO <sup>1</sup>	<sup>1</sup> Department of Behavioral Neurogenetics, Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences, Novosibirsk, Russia	P-03-1563
P02.67	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Exposure to 835 MHz radiofrequency radiation reduces expression of tyrosine hydroxylase in the striatum of the Aging-PD mice model	WOSUN WANG <sup>1</sup> , JU-HWAN KIM <sup>1</sup> , HAKRIM KIM <sup>1</sup> , HYUNG-GUN KIM <sup>1</sup> , JIN-KOO LEE <sup>1</sup>	<sup>1</sup> Dankook University, Cheonan, Korea, Republic of	P-03-1562
P02.68	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Cortical-region-dependent dynamic alterations of Neuronal activity and Vascular response in Alzheimer's disease model mice	YOUNG-GEUN CHOE <sup>1</sup> , MINSEOK KANG <sup>1</sup> , HYON LEE <sup>1</sup> , JINHUI YOON <sup>1</sup> , YONG JEONG <sup>1</sup>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of	P-03-1561
P02.69	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Effect of environmental enrichment on SNARE proteins and their regulators (MUNC-13, MUNC-18) expression in the brain of hypoxic-ischemic brain injury	SUK-YOUNG SONG <sup>1</sup> , SOONIL PYO <sup>2</sup> , JI HEA YU <sup>1</sup> , YOON-KYUM SHIN <sup>1</sup> , AHRHEUM BAEK <sup>3</sup> , JUNG HWA SEO <sup>4</sup> , SOOHYUN WI <sup>5</sup> , BAE-GEUN NAM <sup>6</sup> , SEONGMOON JO <sup>7</sup> , SEONGMOON JO <sup>8</sup> , HEE-SANG OH <sup>9</sup> , SUNGCHUL CHOI <sup>9</sup> , JUNG-WON PARK <sup>9</sup> , JEONGHYUN HO <sup>9</sup> , SUNG-RAE CHO <sup>9</sup>	<sup>1</sup> Graduate Program of Nano Science and Technology, Yonsei University, Seoul, Korea, Republic of, <sup>2</sup> Department and Research Institute of Rehabilitation Medicine, Yonsei University College of Medicine, Seoul, Korea, Republic of, <sup>3</sup> Brain Korea 21 PLUS Project for Medical Science, Yonsei University, Seoul, Korea, Republic of, <sup>4</sup> Department and Research Institute of Rehabilitation Medicine, Yonsei University College of Medicine, Seoul, Korea, Republic of, <sup>5</sup> Brain Korea 21 PLUS Project for Medical Science, Yonsei University, Seoul, Korea, Republic of, <sup>6</sup> Department and Research Institute of Rehabilitation Medicine, Yonsei University College of Medicine, Seoul, Korea, Republic of, <sup>7</sup> Department and Research Institute of Rehabilitation Medicine, Yonsei University College of Medicine, Seoul, Korea, Republic of, <sup>8</sup> Department and Research Institute of Rehabilitation Medicine, Yonsei University College of Medicine, Seoul, Korea, Republic of, <sup>9</sup> Department and Research Institute of Rehabilitation Medicine, Yonsei University College of Medicine, Seoul, Korea, Republic of	P-03-1552
P02.70	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Therapeutic effects on behavioral performance by erythropoietin and granulocyte colony stimulating factor in MPTP-induced PD animal model	EUNJU CHO <sup>1</sup> , HYUNG TAE KIM <sup>2</sup> , SUK-YOUNG SONG <sup>3</sup> , SOONIL PYO <sup>4</sup> , BAE-GEUN NAM <sup>5</sup> , SEONGMOON JO <sup>6</sup> , JEONG HYUN HO <sup>7</sup> , JI HEA YU <sup>8</sup> , YOON-KYUM SHIN <sup>9</sup> , AHRHEUM BAEK <sup>9</sup> , SUNG RAE CHO <sup>9</sup>	<sup>1</sup> Department and Research Institute of Rehabilitation Medicine, Yonsei University College of Medicine, Seoul, Republic of Korea; Brain Korea 21 PLUS Project for Medical Science, Yonsei University, Seoul, Republic of Korea, Seoul, Korea, Republic of, <sup>2</sup> Department and Research Institute of Rehabilitation Medicine, Yonsei University College of Medicine, Seoul, Republic of Korea, Seoul, Korea, Republic of, <sup>3</sup> Department and Research Institute of Rehabilitation Medicine, Yonsei University College of Medicine, Seoul, Republic of Korea, Seoul, Korea, Republic of, <sup>4</sup> Department and Research Institute of Rehabilitation Medicine, Yonsei University College of Medicine, Seoul, Republic of Korea, Seoul, Korea, Republic of, <sup>5</sup> Department and Research Institute of Rehabilitation Medicine, Yonsei University College of Medicine, Seoul, Republic of Korea, Seoul, Korea, Republic of, <sup>6</sup> Department and Research Institute of Rehabilitation Medicine, Yonsei University College of Medicine, Seoul, Republic of Korea, Seoul, Korea, Republic of, <sup>7</sup> Department and Research Institute of Rehabilitation Medicine, Yonsei University College of Medicine, Seoul, Republic of Korea, Seoul, Korea, Republic of, <sup>8</sup> Department and Research Institute of Rehabilitation Medicine, Yonsei University College of Medicine, Seoul, Republic of Korea, Seoul, Korea, Republic of, <sup>9</sup> Department and Research Institute of Rehabilitation Medicine, Yonsei University College of Medicine, Seoul, Republic of Korea, Seoul, Korea, Republic of	P-03-1543
P02.71	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Identification of FKBP5-associated miRNA signature as a candidate biomarker for PTSD	HYO JUNG KANG <sup>1</sup> , SUJUNG YOON <sup>2</sup> , SUJI LEE <sup>2</sup> , KOEUL CHOI <sup>1</sup> , YEONGJAE KIM <sup>1</sup> , SHINWON PARK <sup>2</sup> , EUN NAMGUNG <sup>3</sup> , TAMMY D. KIM <sup>4</sup> , YONG-AN CHUNG <sup>5</sup> , JUNGWON KIM <sup>6</sup> , JUNG-SOO HAN <sup>7</sup> , IN KYOON LYO <sup>8</sup>	<sup>1</sup> Department of Life Science, Chung-Ang University, Seoul, Korea, Republic of, <sup>2</sup> Ewha Brain Institute, Ewha W. University, Seoul, Korea, Republic of, <sup>3</sup> Department of Radiology, Incheon St. Mary's Hospital, College of Medicine, The Catholic University of Korea, Incheon, Korea, Republic of, <sup>4</sup> Department of Biological Sciences, Konkuk University, Seoul, Korea, Republic of, <sup>5</sup> Department of Psychology, Seoul National University, Seoul, Korea, Republic of, <sup>6</sup> Department of Psychology, Seoul National University, Seoul, Korea, Republic of, <sup>7</sup> Department of Psychology, Seoul National University, Seoul, Korea, Republic of, <sup>8</sup> Department of Psychology, Seoul National University, Seoul, Korea, Republic of, <sup>9</sup> Department of Psychology, Seoul National University, Seoul, Korea, Republic of	P-03-1542
P02.72	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	The effects of chemotherapy drug in amyotrophic lateral sclerosis	SUNJOO CHAI <sup>1</sup> , HYUN-JUN CHOI <sup>1</sup> , KIYOUNG KIM <sup>1</sup>	<sup>1</sup> Soochnunhyang Institute of Medi-bio Science (SIMS), Cheonan, Korea, Republic of	P-03-1539
P02.73	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	The Analgesic Effects of Venlafaxine on Oxaliplatin Induced Neuropathic Pain in Mice	DAXIAN LI <sup>1</sup> , WOOJUN KIM <sup>2</sup> , SUN KWANG KIM <sup>2</sup>	<sup>1</sup> Department of Science in Korean Medicine, Graduate School, Kyung Hee University, Seoul 02447, Republic of Korea, Seoul, Korea, Republic of, <sup>2</sup> Department of Science in Korean Medicine, Graduate School, Kyung Hee University, Seoul 02447, Republic of Korea, Seoul, Korea, Republic of, <sup>3</sup> Department of Physiology, College of Korean Medicine, Kyung Hee University, Seoul 02447, Republic of Korea, Seoul, Korea, Republic of, <sup>4</sup> Department of Physiology, College of Korean Medicine, Kyung Hee University, Seoul 02447, Republic of Korea, Seoul, Korea, Republic of	P-03-1538
P02.74	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Dasatinib regulates LPS-induced microglial and astrocytic neuroinflammatory responses by inhibiting AKT/STAT3 signaling	KA-YOUNG RYU <sup>1</sup> , HYUN-JU LEE <sup>1</sup> , RI-JIN KANG <sup>1</sup> , KYUNG-MIN HAN <sup>1</sup> , YOUNGPOO NAM <sup>1</sup> , JU-YOUNG LEE <sup>1</sup> , HYUN-WOOK NAM <sup>1</sup> , HYUNJAE PARK <sup>1</sup> , HYANG-SOOK HOE <sup>1</sup>	<sup>1</sup> Korea brain research institute, Daegu, Korea, Republic of	P-03-1536
P02.75	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	The effect of conditioned medium of mesenchymal stem cells derived from human embryonic stem cells on neurogenesis markers in a rat model of ischemic stroke	AFSANEH ASGARI TAEI <sup>1</sup> , GHOLAMREZA HASSANZADEH <sup>2</sup> , LEILA DARGAH <sup>3</sup> , SANAZ NASOHI <sup>4</sup> , MEHDI KADIVAR <sup>5</sup> , MARYAM FARAHMANDFAR <sup>6</sup>	<sup>1</sup> Department of Neuroscience and Addiction Studies, School of Advanced Technologies in Medicine, Tehran University of Medical Sciences, Tehran, Iran, <sup>2</sup> Department of Anatomy, School of Medicine, Tehran University of Medical Sciences, Tehran, Iran, <sup>3</sup> Tehran, Iran, <sup>4</sup> Neurobiology Research Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran, <sup>5</sup> Tehran, Iran, <sup>6</sup> Neuroscience Research Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran, <sup>7</sup> Tehran, Iran, <sup>8</sup> Department of Biochemistry, Pasteur Institute of Iran, Tehran, Iran, <sup>9</sup> Tehran, Iran	P-03-1535
P02.76	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Absence of association between AQP4, KCNJ10 gene polymorphisms and drug resistance in Chinese Han patients with partial epilepsy	HAOYUE ZHU <sup>1</sup> , LUO ZHOU <sup>2</sup> , BO XIAO <sup>3</sup>	<sup>1</sup> Xiangya hospital of Central south university, Changsha, Hunan province, China, <sup>2</sup> Xiangya hospital of Central south university, Changsha, Hunan province, China	P-03-1532
P02.77	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Gait analysis of rhesus macaque after neural electrode implant in the median nerve	JINYOUNG WON <sup>1</sup> , JUNGHYUNG PARK <sup>1</sup> , JINCHEOL SEO <sup>1</sup> , HYEON-GU YEO <sup>2</sup> , KEONWOO KIM <sup>3</sup> , CHANG-YEOP JEON <sup>4</sup> , YOUNGJEON LEE <sup>5</sup>	<sup>1</sup> Korea Research Institute of Bioscience and Biotechnology (KRIBB), Cheongju, Korea, Republic of	P-03-1529
P02.78	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Effects of drug TC-2153 on the behavior and striatal-enriched tyrosine protein phosphatase in the brain of rats selectively bred for high and low aggression towards humans.	ALEXANDER KULKOV <sup>1</sup> , VITALII MOSKALUK <sup>1</sup> , RIMMA KOZHEMYAKINA <sup>1</sup> , DARYA BAZOVKINA <sup>1</sup> , ELENA TERENINA <sup>2</sup> , KONSTANTIN VOLCHOV <sup>3</sup> , VLADIMIR NAUMENKO <sup>3</sup> , ELIZABETH KULKOVA <sup>1</sup>	<sup>1</sup> Institute of Cytology and Genetics, Novosibirsk, Russia, <sup>2</sup> INRA, Toulouse, France, <sup>3</sup> Novosibirsk Institute of Organic Chemistry, Novosibirsk, Russia	P-03-1528
P02.79	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Inhibitory effects of Korean Red Ginseng extract on methamphetamine-induced addictive behaviors in rodents.	BO-RAM LEE <sup>1</sup> , SU-JEONG SUNG <sup>1</sup> , KW-ANG-HYUN HUR <sup>1</sup> , SEONG-EON KIM <sup>1</sup> , SEON-KYUNG KIM <sup>1</sup> , SEOK-YONG LEE <sup>1</sup> , CHOON-GON JANG <sup>1</sup>	<sup>1</sup> Sungkyunkwan University, Suwon, Korea, Republic of	P-03-1527
P02.80	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	TREK1 channel in DGCs ameliorates depression-like behaviour and increases adult hippocampal neurogenesis in mice	SEUNG CHAN KIM <sup>1</sup> , JAE HYOUNG CHOI <sup>1</sup> , EUNMI HWANG <sup>1</sup>	<sup>1</sup> Korea Institute of Science and Technology (KIST), Seoul, 02792, Korea, Republic of	P-03-1526
P02.81	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Impaired EWSR1 activity leads to oligodendrocyte dysfunction and demyelination of motor neurons in amyotrophic lateral sclerosis (ALS)	MI-HYUN CHOI <sup>1</sup> , PHUONG T. NGUYEN <sup>1</sup> , EUNMI KIM <sup>2</sup> , HYUN SOO SHIM <sup>3</sup> , SEUNG JAE HYEON <sup>1</sup> , YUN HA KIM <sup>1</sup> , YU JIN HWANG <sup>1</sup> , NEIL W. KOWALL <sup>3</sup> , SEAN BONG LEE <sup>4</sup> , JUNGHEE LEE <sup>5</sup> , HAE-CHUL PARK <sup>6</sup> , HOON RYU <sup>1</sup>	<sup>1</sup> KIST, Seoul, Korea, Republic of, <sup>2</sup> Korea University, School of Medicine, Ansan, Korea, Republic of, <sup>3</sup> VA Boston Healthcare System, Boston, USA, <sup>4</sup> Tulane University, School of Medicine, New Orleans, USA, <sup>5</sup> Korea University, School of Medicine, Ansan, Korea, Republic of	P-03-1521
P02.82	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Exosome from reactive astrocyte induces cognitive impairment and memory loss in mouse models	SO-YOUNG OH <sup>1</sup> , YU-NA LEE <sup>1</sup> , C. JUSTIN LEE <sup>2</sup> , MIN SOO KIM <sup>1</sup>	<sup>1</sup> KIST, Seoul, Korea, Republic of, <sup>2</sup> IBS, Daejeon, Korea, Republic of	P-03-1518
P02.83	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Focused ultrasound restores interhemispheric balance after stroke through direct neuromodulation	ANVAR SARIEV <sup>1</sup> , HONGCHAE BAEK <sup>2</sup> , HYUNGMIN KIM <sup>2</sup>	<sup>1</sup> Division of Bio-Medical Science & Technology, KIST school, Korea University of Science and Technology, Seoul 02792, Republic of Korea, Seoul, Korea, Republic of, <sup>2</sup> Center for Bionics, Biomedical Research Institute, Korea Institute of Science and Technology (KIST), Seoul, Republic of Korea, Seoul, Korea, Republic of, <sup>3</sup> Department of Biomedical Engineering, Washington University in St. Louis, St. Louis, MO, USA, St. Louis, USA	P-03-1517
P02.84	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Functional role of GluN2D Subunit Containing NMDA Receptors in MPTP-induced Parkinsonism	RAMESH SHARMA <sup>1</sup> , CHIRANJIVI NEUPANE <sup>1</sup> , HYUN JIN SHIN <sup>1</sup> , SU EUN PARK <sup>1</sup> , JIN BONG PARK <sup>1</sup>	<sup>1</sup> Department of Medical Sciences, Department of BK21 Plus, School of Medicine, Chungnam National University, Daejeon, Korea, Republic of	P-03-1511
P02.85	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	A postmortem study on the distribution of various neurotransmitters in the cortical area and inner nuclei of human brain using ultra performance liquid chromatography-tandem mass spectrometry (UPLC-MS/MS)	KEECHAN AHN <sup>1</sup> , MASKEY DHIRAJ <sup>1</sup> , GUK HWA JUNG <sup>1</sup> , YONG-KI PARK <sup>1</sup> , SUNYOUNG KIM <sup>1</sup> , YUMI SHIM <sup>2</sup> , SEONG IK KIM <sup>3</sup> , SUNG-HYE PARK <sup>4</sup> , HYUNG-GUN KIM <sup>2</sup>	<sup>1</sup> Neuro/Vs Co., Cheonan, Korea, Republic of, <sup>2</sup> Pharmacology, Dankook University, Cheonan, Korea, Republic of, <sup>3</sup> Brain Bank, Seoul National University Hospital, Seoul, Korea, Republic of	P-03-1506
P02.86	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	The effects of aging on behavior and brain-derived neurotrophic factor in the hippocampus in mice	VITALII MOSKALUK <sup>1</sup> , ELIZABETH KULKOVA <sup>1</sup> , VLADIMIR NAUMENKO <sup>2</sup> , ELENA KONDAUROVA <sup>2</sup> , DARYA	<sup>1</sup> Novosibirsk State University, Novosibirsk, Russia, <sup>2</sup> Institute of Cytology and Genetics, Novosibirsk, Russia	P-03-1498

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P02.87	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Severe reactive astrocytes precipitate pathological hallmarks of Alzheimer's disease via excessive H <sub>2</sub> O <sub>2</sub> production	HEEJUNG CHUN <sup>1</sup> , YUNHA KIM <sup>2</sup> , YOU JUNG KANG <sup>3</sup> , HYEONJOO IM <sup>4</sup> , JIN HEE SHIN <sup>5</sup> , YEONHA JU <sup>6</sup> , WOOJIN WON <sup>7</sup> , YONGMIN MASON PARK <sup>8</sup> , JIWOON LIM <sup>9</sup> , JAEKWANG LEE <sup>10</sup> , JUNSU WOO <sup>11</sup> , YUJIN HWANG <sup>12</sup> , SEONMI JO <sup>13</sup> , ISAAC WETZEL <sup>14</sup> , JONG-HYUN PARK <sup>15</sup> , DAESEO KIM <sup>16</sup> , DOO YEON KIM <sup>17</sup> , BYOUNG JOO GWAG <sup>18</sup> , YOUNGSOO KIM <sup>19</sup> , KI DUK PARK <sup>20</sup> , BONG-KILM KAANG <sup>21</sup> , HANSSANG CHO <sup>22</sup> , HOON RYU <sup>23</sup> , C.JUSTIN LEE <sup>24</sup>	<sup>1</sup> Institute for Basic Science, Daejeon, Korea, Republic of, <sup>2</sup> Korea Institute of Science and Technology, Seoul, Korea, Republic of, <sup>3</sup> University of North Carolina at Charlotte, Charlotte, Korea, Republic of, <sup>4</sup> GNT Pharma Co. Ltd., Seoul, Korea, Republic of, <sup>5</sup> University of North Carolina at Charlotte, Charlotte, USA, <sup>6</sup> Korea Advanced Institute of Science and Technology, Daejeon, Korea, Republic of, <sup>7</sup> Hanvard Medical School, USA, USA, <sup>8</sup> Yonsei University, Seoul, Korea, Republic of, <sup>9</sup> Seoul National University, Seoul, Korea, Republic of	P-03-1493
P02.88	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	High-frequency stimulation of cortico-subthalamic projections in the 6-hydroxydopamine model of Parkinson's disease	INSUN CHOI <sup>1</sup> , JOON HO CHOI <sup>1</sup> , JONG CHEOL RAH <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of	P-03-1492
P02.89	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Cytoskeletal and molecular changes in axonal swellings	VICTORIO POZO DEVOTO <sup>1</sup> , VALENTINA LACOVICH <sup>1</sup> , MARIA CARNA <sup>1</sup> , MONICA FEOLE <sup>1</sup> , GORAZD STOKIN <sup>1</sup>	<sup>1</sup> Center for Translational Medicine, International Clinical Research Center, St. Anne's University Hospital Brno, Brno, Czech Republic	P-03-1491
P02.90	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Possible therapeutic role of tetracycline derivatives in Parkinson's disease model	ELAINE DEL BEL <sup>1</sup> , MARIZA BORTOLANZA <sup>2</sup> , GLAUCO NASCIMENTO <sup>3</sup> , RITA RAISMAN-VOZARI <sup>4</sup>	<sup>1</sup> University of Sao Paulo - Dental School of Ribeirao Preto, Ribeirao Preto, Brazil, <sup>2</sup> UPMC UMR75 INSERM U1127, CNRS UMR 7225, Thérapie Expérimentale de la Neurodégénérescence Institut du cerveau et de la moelle épinière (ICM) Hôpital de la Salpêtrière, Paris, France	P-03-1489
P02.91	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Studies on the propagation of tau protein mediated TLR2 using transwell system	KYU-WON CHO <sup>1</sup> , JUN-SUNG LEE <sup>1</sup> , SEUNG-JAE LEE <sup>1</sup>	<sup>1</sup> Department of Biomedical Science, Seoul National University, Seoul, Korea, Republic of	P-03-1483
P02.92	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	TRPV1 knockout mitigates calcium dyshomeostasis and reduces the amyloid-beta and tau pathogenesis in a mouse model of Alzheimer's disease	JUYONG KIM <sup>1</sup> , SIYOUNG LEE <sup>2</sup> , JAEKYOUNG KIM <sup>3</sup> , YOUNGKEUN JUNG <sup>4</sup> , JUNSSOO HAN <sup>5</sup> , KIWON LEE <sup>6</sup> , JIYOUNG KIM <sup>7</sup>	<sup>1</sup> Wide River Institute of Immunology, Seoul National University College of Medicine, Gongcheon, Korea, Republic of, <sup>2</sup> Center for Food and Biocovergence, College of Agriculture and Life Sciences, Seoul National University, Seoul, Korea, Republic of, <sup>3</sup> Department of Agricultural Biotechnology, Seoul National University, Seoul, Korea, Republic of, <sup>4</sup> School of Biological Sciences, Seoul National University, Seoul, Korea, Republic of, <sup>5</sup> Department of Biological Sciences, Konkuk University, Seoul, Korea, Republic of	P-03-1478
P02.93	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Loss of RNA binding protein, human antigen R enhances mitochondrial elongation by regulating Dp1 expression in SH-SY5Y cells	HYUN JUN PARK <sup>1</sup> , JI-EUN BAE <sup>1</sup> , DOO SIN JO <sup>1</sup> , NA YEON PARK <sup>1</sup> , JUN BUM KIM <sup>1</sup> , DONG-HYUNG CHO <sup>1</sup>	<sup>1</sup> Kyungpook National University, Daegu, Korea, Republic of	P-03-1472
P02.94	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	The effect of short photoperiod on behavior, brain-derived neurotrophic factor and brain serotonin system in tumour necrosis factor knockout mice	DARYA BAZOVKINA <sup>1</sup> , ARINA PERSHINA <sup>2</sup> , EKATERINA BAZHENOVA <sup>1</sup> , ELIZAVETA KULKOVA <sup>1</sup>	<sup>1</sup> Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences, Novosibirsk, Russia, <sup>2</sup> Novosibirsk State University, Faculty of Natural Sciences, Novosibirsk, Russia	P-03-1468
P02.95	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Down-regulated TMP21 in Alzheimer's Disease Induces Autophagy via ATG4B Activation	NAYEON PARK <sup>1</sup> , JI HYUN SHIN <sup>1</sup> , DOO SIN JO <sup>1</sup> , JUN BUM KIM <sup>1</sup> , JI-EUN BAE <sup>1</sup> , HYUN JUN PARK <sup>1</sup> , DONG-HYUNG CHO <sup>1</sup>	<sup>1</sup> Kyungpook National Univ., Daegu, Korea, Republic of	P-03-1466
P02.96	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Identification of novel pexophagy regulator	DOO SIN JO <sup>1</sup> , JOON BUM KIM <sup>2</sup> , NA YEON PARK <sup>3</sup> , JI-EUN BAE <sup>4</sup> , HYUN JUN PARK <sup>5</sup> , KYU-SUN LEE <sup>6</sup> , DONG-HYUNG CHO <sup>7</sup>	<sup>1</sup> Kyungpook National University, Daegu, Korea, Republic of, <sup>2</sup> Kyungpook National University, Daegu, Korea, Republic of, <sup>3</sup> Korea Research Institute of Bioscience and Biotechnology, Daejeon, Korea, Republic of	P-03-1460
P02.97	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Primary cilia mediate mitochondrial stress responses and autophagy to promote cell survival in a Parkinson's disease model	JI-EUN BAE <sup>1</sup> , DOO SIN JO <sup>2</sup> , NA YEON PARK <sup>3</sup> , JUN BUM KIM <sup>4</sup> , HYUN JUN PARK <sup>5</sup> , MIN-SEON KIM <sup>6</sup> , DONG-HYUNG CHO <sup>7</sup>	<sup>1</sup> Kyungpook National University, Daegu, Korea, Republic of, <sup>2</sup> Asan Medical Center, Seoul, Korea, Republic of	P-03-1459
P02.98	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Proteomic analysis of wing-cut files: identification of novel protein associated with axonal regeneration and degeneration	MYUNGJIN JO <sup>1</sup> , HYUNGJUN KIM <sup>1</sup>	<sup>1</sup> KBRI, Daegu, Korea, Republic of	P-03-1456
P02.99	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Autism-like social deficit generated by Dock4 deficiency is rescued by restoration of NMDA receptor function	DAJI GUO <sup>1</sup> , YINGHUI PENG <sup>1</sup> , LAIJIAN WANG <sup>2</sup> , BIN JIANG <sup>2</sup> , LEI SHI <sup>1</sup>	<sup>1</sup> JNU-HKUST Joint Laboratory for Neuroscience and Innovative Drug Research, College of Pharmacy, Jnan University, Guangzhou, China, <sup>2</sup> Guangdong Province Key Laboratory of Brain Function and Disease, Zhongshan School of Medicine, Sun Yat-sen University, Guangzhou, China	P-03-1439
P02.100	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Effects of the transient receptor potential cation channel 5 (TRPC5) inhibitor NU6027 on hippocampal neuronal death after traumatic brain injury	MIN KYU PARK <sup>1</sup> , BO YOUNG CHOI <sup>1</sup> , A RA KHO <sup>1</sup> , SONG HEE LEE <sup>1</sup> , DAE KI HONG <sup>1</sup> , JEONG HYUN JEONG <sup>1</sup> , BEOM SEOK KANG <sup>1</sup> , DONG HYEON KANG <sup>1</sup> , SANG WON SUH <sup>1</sup>	<sup>1</sup> Hallym University, Chuncheon, Korea, Republic of	P-03-1434
P02.101	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Reduced neuroglobin (Ngb) level associated with the breakdown of blood brain barrier (BBB) after transient middle cerebral artery occlusion (MCAO) in aged mice	YEJUN KIM <sup>1</sup> , MINGEE KIM <sup>1</sup> , SODAM KIM <sup>1</sup> , YUNSEON SONG <sup>1</sup>	<sup>1</sup> Sookmyung women's University, Seoul, Korea, Republic of	P-03-1432
P02.102	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Dissociation of parvalbumin-positive and somatostatin-positive interneurons' contributions to frequency-selective impairments of synaptic inhibition to hippocampal pyramidal cells induced by Aβ oligomers <i>in vitro</i>	KYERL PARK <sup>1</sup> , HYOWON CHUNG <sup>1</sup> , HYUN JAE JANG <sup>1</sup> , MICHAEL KOHL <sup>2</sup> , JEEHYUN KWAG <sup>3</sup>	<sup>1</sup> Korea University, Seoul, Korea, Republic of, <sup>2</sup> University of Oxford, Oxford, UK	P-03-1431
P02.103	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Combined Treatment of herbal formula with L-3,4-dihydroxyphenylamine Ameliorates Parkinson's Disease with Reducing Complains Induced by L-3,4-dihydroxyphenylamine	EUGENE HUH <sup>1</sup> , JIN GYU CHOI <sup>1</sup> , JINHEE KIM <sup>1</sup> , YEOMOON SIM <sup>1</sup> , MYUNG SOOK OH <sup>2</sup>	<sup>1</sup> Department of Life and Nanopharmaceutical Sciences and Department of Medical Science of Meridian, Graduate School, Kyung Hee University, Seoul, Korea, Republic of, <sup>2</sup> Department of Life and Nanopharmaceutical Sciences, Graduate School, and Department of Oriental Pharmaceutical Science, College of Pharmacy, Kyung Hee University, Seoul, Korea, Republic of, <sup>3</sup> Department of Oriental Pharmaceutical Science, College of Pharmacy and Kyung Hee East-West Pharmaceutical Research Institute, Kyung Hee University, Seoul, Korea, Republic of, <sup>4</sup> Department of Life and Nanopharmaceutical Sciences, Graduate School, Kyung Hee University, Seoul, Korea, Republic of	P-03-1874
P02.104	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.22 12:40	2019.09.22 14:40	Improvement of mismatch negativity correlates with symptomatic and functional outcome of patients with first episode psychosis	KYUNGJIN LHO <sup>1</sup> , MINAH KIM <sup>1</sup> , TAK HYUNG LEE <sup>2</sup> , YOO BIN KWAK <sup>3</sup> , JUN SOO KWON <sup>2</sup>	<sup>1</sup> Department of Psychiatry, Seoul National University College of Medicine, Seoul, Republic of Korea; Department of Neuropsychiatry, Seoul National University Hospital, Seoul, Republic of Korea, Seoul, Korea, Republic of, <sup>2</sup> Department of Psychiatry, Seoul National University College of Medicine, Seoul, Republic of Korea; Department of Neuropsychiatry, Seoul National University Hospital, Seoul, Republic of Korea; Department of Brain and Cognitive Sciences, Seoul National University College of Natural Sciences, Seoul, Republic of Korea, Seoul, Korea, Republic of, <sup>3</sup> Department of Brain and Cognitive Sciences, Seoul National University College of Natural Sciences, Seoul, Republic of Korea, Seoul, Korea, Republic of	P-03-1886
P03.01	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	Pharmacological and genetic inhibition of astrocytic GABA-transaminase enhances tonic GABA inhibition in the hippocampus	WONSEOK LEE <sup>1</sup> , MIN GU PARK <sup>2</sup> , JUNSU WOO <sup>3</sup> , C. JUSTIN LEE <sup>2</sup> , BOEUN YOON <sup>1</sup>	<sup>1</sup> Dankook University, Cheonan, Korea, Republic of, <sup>2</sup> Institute for Basic Science (IBS), Daejeon, Korea, Republic of, <sup>3</sup> Korea Institute of Science and Technology (KIST), Seoul, Korea, Republic of	P-04-1788
P03.02	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	Inhibition of metabotropic glutamate receptor 5 provides neuronal protection and neurological recovery via down-regulation of activated microglia after intracerebral hemorrhage	MD SAIDUR RAHMAN <sup>1</sup> , HAIXIA LU <sup>1</sup> , YONG LIU <sup>1</sup> , XINLIN CHEN <sup>1</sup>	<sup>1</sup> Institute of Neurobiology, School of Basic Medical Sciences, Xi'an Jiaotong University Health Science Center, 76 Yanta West Road, Xi'an, Shaanxi, 710061, P. R. China, Xi'an, China	P-04-1739
P03.03	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	3D in vitro peripheral nervous system organoid using mouse primary dorsal root ganglion neurons and Schwann cells	WOON-HAE KIM <sup>1</sup> , HYUN-GYU KANG <sup>1</sup> , TAEHOON H. KIM <sup>2</sup> , YOON JEONG MO <sup>3</sup> , YU SEON KIM <sup>4</sup> , ASEER INTISAR <sup>5</sup> , HYUN YOUNG SHIN <sup>1</sup> , SEUNG JOON LEE <sup>1</sup> , YUN-HI LEE <sup>3</sup> , MINSEOK S. KIM <sup>1</sup>	<sup>1</sup> Department of New Biology, Daegu Gyeongbuk Institute of Science & Technology, Daegu, Korea, Republic of, <sup>2</sup> CytoDx, Daegu, Korea, Republic of, <sup>3</sup> Well Aging Research Center, Daegu Gyeongbuk Institute of Science & Technology, Daegu, Korea, Republic of	P-04-1704
P03.04	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	A Parkinson's Disease Gene, DJ-1, Regulates Anti-Inflammatory Roles of Astrocytes through Prostaglandin D2 Synthase Expression	KEON AH LEE <sup>1</sup> , DONG-JOO CHOI <sup>1</sup> , JIAWEI AN <sup>4</sup> , ILO JOU <sup>5</sup> , SANG MYUN PARK <sup>6</sup> , EUN-HYE JOE <sup>2</sup>	<sup>1</sup> Aju University, Suwon, Korea, Republic of, <sup>2</sup> Neuroscience Graduate Program, Department of Biomedical Sciences, b Department of Pharmacology, c Chronic Inflammatory Disease Research Center, d Department of Brain Science, Department of Neurology, Aju University School of Medicine, Suwon, Korea, Republic of, <sup>3</sup> Department of Pharmacology, c Chronic Inflammatory Disease Research Center, Aju University School of Medicine, Suwon, Korea, Republic of, <sup>4</sup> Neuroscience Graduate Program, Department of Biomedical Sciences, b Department of Pharmacology, d Department of Brain Science, Aju University School of Medicine, Suwon, Korea, Republic of, <sup>5</sup> Neuroscience Graduate Program, Department of Biomedical Sciences, b Department of Pharmacology, c Chronic Inflammatory Disease Research Center, Aju University School of Medicine, Suwon, Korea, Republic of	P-04-1693
P03.05	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	Adenosine changes the phenotypes of cultured microglia pre-treated with lipopolysaccharide	QINGJUN HUANG <sup>1</sup> , WENXIAO ZHANG <sup>1</sup>	<sup>1</sup> Shantou University Mental Health Center, Shantou, China	P-04-1684
P03.06	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	Rehabilitative training-induced functional variation is associated with coordinated plasticity of synapses and astrocytes in peri-infarct motor cortex	SOO YOUNG KIM <sup>1</sup> , J. EDWARD HSU <sup>2</sup> , THERESA JONES <sup>3</sup>	<sup>1</sup> College of Pharmacy, Yeungnam University, Gyeongsan, Gyeongbuk, Korea, Republic of, <sup>2</sup> McGowan Medical School, University of Texas Health Science Center, Houston, Texas, USA, <sup>3</sup> Institute for Neuroscience, University of Texas at Austin, Austin, Texas, USA	P-04-1674
P03.07	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	Mao-b inhibition reduces astroglial and transforms reactive astrocytes into active astrocytes under pathological conditions.	JIWOON LIM <sup>1</sup> , HEEJUNG CHUN <sup>1</sup> , JOUNGHA WON <sup>1</sup> , YONGMIN MASON PARK <sup>1</sup> , CHANGJOON JUSTIN LEE <sup>1</sup>	<sup>1</sup> Institute for basic science, Daejeon, Korea, Republic of	P-04-1672
P03.08	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	Does Neuronal-Glia interaction involve Depression as a Behavioral comorbidity related to epileptogenic process in temporal lobe epilepsy?	SOL AH KIM <sup>1</sup> , HYE-YOUNG JOUNG <sup>1</sup> , YUN SEO CHOI <sup>1</sup> , SEI KWAN OH <sup>2</sup> , HYANG WON LEE <sup>1</sup>	<sup>1</sup> Departments of Neurology and Medical Science, Ewha Womans University School of Medicine and Ewha Medical Research Institute, Seoul, Korea, Republic of, <sup>2</sup> Department of Medical Science and Molecular Medicine, Ewha Womans University School of Medicine, Seoul, Republic of Korea, Seoul, Korea, Republic of	P-04-1670
P03.09	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	Expression and roles of osteopontin in injured brain	JIAWEI AN <sup>1</sup> , HAJUIE YANG <sup>3</sup> , EUN-HYE JOE <sup>2</sup>	<sup>1</sup> Neuroscience Graduate Program, b Department of Pharmacology, c Department of Brain Science, Aju University School of Medicine, Suwon, Korea, Republic of, <sup>2</sup> Neuroscience Graduate Program, b Department of Brain Science, Aju University School of Medicine, Suwon, Korea, Republic of, <sup>3</sup> Neuroscience Graduate Program, b Department of Brain Science, Aju University School of Medicine, Suwon, Korea, Republic of	P-04-1652
P03.10	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	GABA from reactive astrocytes in hypothalamus via monoamine oxidase B causes and exacerbates obesity	MOONSUN SA <sup>1</sup> , YONGRYUL YANG <sup>3</sup> , HYUNJUN JANG <sup>3</sup> , JEONGYEON KIM <sup>1</sup> , JEA KWON <sup>2</sup> , WOOJIN WON <sup>2</sup> , KI DUK PARK <sup>3</sup> , C. JUSTIN LEE <sup>2</sup>	<sup>1</sup> Institute for Basic Science (IBS) and KU-KIST Graduate School of Converging Science and Technology, Daejeon, Korea, Republic of, <sup>2</sup> Center for Cognition and Society, Institute for Basic Science (IBS), Daejeon, Korea, Republic of, <sup>3</sup> Ulsan National Institute of Science and Technology (UNIST), Ulsan, Korea, Republic of, <sup>4</sup> Korea Brain Research Institute (KBRI), Daegu, Korea, Republic of, <sup>5</sup> Institute for Basic Science (IBS) and KU-KIST Graduate School of Converging Science and Technology, Daejeon, Korea, Republic of, <sup>6</sup> Korea Institute of Science and Technology (KIST), Seoul, Korea, Republic of	P-04-1643

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P03.11	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	Differential susceptibility and vulnerability of brain cells of C57BL/6 mouse to cuprizone intoxication	<b>HAIYUN XU<sup>1</sup></b> , MAOMAO DENG <sup>1</sup>	<sup>1</sup> Shantou University Medical College, Shantou, China	P-04-1640
P03.12	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	Deficiency of DJ-1 delays monocyte infiltration and repair of injured brain	<b>EUN-HYE JOE<sup>1</sup></b> , DONG-JOO CHOI <sup>2</sup> , JIAWEI AN <sup>3</sup> , KEON AH LEE <sup>4</sup> , BYUNG GON KIM <sup>5</sup> , ILO JOU <sup>6</sup> , SANG MYUN PARK <sup>7</sup>	<sup>1</sup> a Neuroscience Graduate Program, Department of Biomedical Sciences, b Department of Pharmacology, c Chronic Inflammatory Disease Research Center, d Department of Brain Science, Department of Neurology, Ajou University School of Medicine, Suwon, Korea, Republic of, <sup>2</sup> b Department of Pharmacology, c Chronic Inflammatory Disease Research Center, Ajou University School of Medicine, Suwon, Korea, Republic of, <sup>3</sup> a Neuroscience Graduate Program, Department of Biomedical Sciences, b Department of Pharmacology, d Department of Brain Science, Ajou University School of Medicine, Suwon, Korea, Republic of, <sup>4</sup> b Department of Pharmacology, d Department of Brain Science, Ajou University School of Medicine, Suwon, Korea, Republic of, <sup>5</sup> a Neuroscience Graduate Program, Department of Biomedical Sciences, c Chronic Inflammatory Disease Research Center, d Department of Brain Science, Ajou University School of Medicine, Suwon, Korea, Republic of, <sup>6</sup> a Neuroscience Graduate Program, Department of Biomedical Sciences, b Department of Pharmacology, c Chronic Inflammatory Disease Research Center, Ajou University School of Medicine, Suwon, Korea, Republic of, <sup>7</sup> a Neuroscience Graduate Program, Department of Biomedical Sciences, b Department of Pharmacology, c Chronic Inflammatory Disease Research Center, Ajou University School of Medicine, Suwon, Korea, Republic of	P-04-1624
P03.13	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	Region-specific astrocytosis reveals meninges damage and blood vessel formation are critical for scar formation	<b>HAJIE YANG<sup>1</sup></b> , JIAWEI AN <sup>1</sup> , EUN-HYE JOE <sup>2</sup>	<sup>1</sup> Department of Pharmacology, Department of Brain Science, Ajou University School of Medicine, Suwon, Korea, Republic of, <sup>2</sup> Department of Pharmacology, Department of Brain Science, Neuroscience Graduate Program, Department of Biomedical Sciences, Chronic Inflammatory Disease Research Center, Ajou University School of Medicine, Suwon, Korea, Republic of, <sup>3</sup> Department of Pharmacology, Department of Brain Science, Neuroscience Graduate Program, Department of Biomedical Sciences, Ajou University School of Medicine, Suwon, Korea, Republic of	P-04-1617
P03.14	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	Astrocytes regulate inhibitory system distinctively on male and female in ADHD mouse model	<b>GA YEON KIM<sup>1</sup></b> , BO-EUN YOON <sup>1</sup>	<sup>1</sup> Department of Molecular Biology, Dankook University, Cheonan, Korea, Republic of	P-04-1568
P03.15	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	Ethanol-induced changes in astrocytic morphological properties and GABA	<b>JONG-MIN KIM<sup>1</sup></b> , BO-EUN YOON <sup>1</sup>	<sup>1</sup> Department of Pharmacology, Dankook University, Cheonan, Korea, Republic of	P-04-1567
P03.16	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	Differential expression of circular RNAs in the proximal and distal segments of the sciatic nerve after injury	<b>EUN JUNG SOHN<sup>1</sup></b> , HWAN TAE PARK <sup>1</sup>	<sup>1</sup> Peripheral Neuropathy Research Center, Department of Molecular Neuroscience, College of Medicine, Dong-A University, Pusan, Korea, Republic of	P-04-1509
P03.17	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	Synthesis and Release of GABA From Astrocytes in VB Thalamus	<b>HANKYUL KWAK<sup>1</sup></b> , EUJUN CHEONG <sup>1</sup>	<sup>1</sup> Yonsei Univ, Seoul, Korea, Republic of	P-04-1507
P03.18	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	Isoliquiritigenin attenuates pro-inflammatory response in LPS-induced microglia via regulation of calcium/calmodulin/Drp1-mediated mitochondrial fission	<b>BORA NAM<sup>1</sup></b> , DONG GIL LEE <sup>1</sup> , DONG-SEOK LEE <sup>1</sup>	<sup>1</sup> School of Life Sciences, BK21 Plus KNU Creative BioResearch Group, Kyungpook National University, Daegu, Korea, Republic of	P-04-1476
P03.19	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	A critical role of PITX1 in astrocyte differentiation through transcriptional regulation of SOX9 gene.	<b>JEONGSU BYUN<sup>1</sup></b> , BAEK-SOO HAN <sup>1</sup>	<sup>1</sup> KRIBB, Daejeon, Korea, Republic of	P-04-1462
P03.20	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	ADHD-like behavior mediated by tonic inhibition	<b>YOO SUNG KIM<sup>1</sup></b> , MOONSUN SA <sup>2</sup> , JUNSUNG WOO <sup>3</sup> , GUK HWA JUNG <sup>4</sup> , HYUNG-GUN KIM <sup>5</sup> , C. JUSTIN LEE <sup>6</sup> , BO-EUN YOON <sup>1</sup>	<sup>1</sup> Department of Molecular Biology, Dankook University, Cheonan, Korea, Republic of, <sup>2</sup> Center for Cognition and Sociality, Institute for Basic Science (IBS), Daejeon, Korea, Republic of, <sup>3</sup> Center for Neuroscience and Functional Connectomics, Korea Institute of Science and Technology (KIST), Seoul, Korea, Republic of, <sup>4</sup> Department of Pharmacology, College of Medicine, Dankook University, Cheonan, Korea, Republic of	P-04-1416
P03.21	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	Activation of astrocytic mu-opioid receptor causes conditioned place preference	<b>MIN-HO NAM<sup>1</sup></b> , KYUNG-SEOK HAN <sup>1</sup> , JAEKWANG LEE <sup>1</sup> , WOOJUN WON <sup>1</sup> , WUHYUN KOH <sup>1</sup> , JIN YOUNG BAE <sup>1</sup> , JUNSUNG WOO <sup>2</sup> , JAYOUNG KIM <sup>3</sup> , ELLIOT KWONG <sup>4</sup> , TAE-YOUNG CHOI <sup>5</sup> , HEEJUNG CHUN <sup>6</sup> , SEUNG EUN LEE <sup>7</sup> , SANG-BUM KIM <sup>8</sup> , KI DUK PARK <sup>9</sup> , SE-YOUNG CHOI <sup>10</sup> , YONG CHUL BAE <sup>3</sup> , C. JUSTIN LEE <sup>2</sup>	<sup>1</sup> KIST, Seoul, Korea, Republic of, <sup>2</sup> IBS, Daejeon, Korea, Republic of, <sup>3</sup> Kyungpook National University, Daegu, Korea, Republic of, <sup>4</sup> SNU, Seoul, Korea, Republic of, <sup>5</sup> Daegu-Gyeongbuk Medical Innovation Foundation, Daegu, Korea, Republic of	P-04-1394
P03.22	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	The novel DYRK1A inhibitor KD03 alters neuroinflammation in BV2 microglial cells, wild-type, and Alzheimer's transgenic mice	<b>HANWONG WOO<sup>1</sup></b> , JI-HYE KWON <sup>1</sup> , JU-YOUNG LEE <sup>1</sup> , JIN HAN NAM <sup>1</sup> , WONIL LEE <sup>1</sup> , JEONGYEON KIM <sup>1</sup> , RI-JIN KANG <sup>1</sup> , KA-YOUNG RYU <sup>1</sup> , HYUN-JU LEE <sup>1</sup> , YOO JOO JEONG <sup>1</sup> , HYUN-WOOK NAM <sup>1</sup> , YOUNGPYO NAM <sup>1</sup> , HYANG-SOOK HOE <sup>1</sup>	<sup>1</sup> KBRI, Daegu, Korea, Republic of	P-04-1390
P03.23	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	NMD-1qG leads to accumulation of multilamellar structure in human iPSC-derived astrocytes	<b>SUKHEE CHO<sup>1</sup></b> , MINKYO JUNG <sup>1</sup> , JINSOO SEO <sup>2</sup> , JIYOUNG MUN <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of, <sup>2</sup> Daegu Gyongbuk Institute of Science and Technology, Daegu, Korea, Republic of	P-04-1381
P03.24	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	Non-cell Autonomous Modulation of Tyrosine Hydroxylase by HMBG1 Released From Astrocytes in an Acute MPTP-induced Mouse Model	<b>SOO JEONG KIM<sup>1</sup></b> , MIN JEONG RYU <sup>1</sup> , JEONGSU HAN <sup>1</sup> , YUNSEON JANG <sup>1</sup> , MIN JOUNG LEE <sup>1</sup> , XIANSHU JU <sup>1</sup> , ILHWAN RYU <sup>1</sup> , YU LIM LEE <sup>1</sup> , EUNGSEOK OH <sup>1</sup> , WOOSUK CHUNG <sup>1</sup> , JUN YOUNG HEO <sup>1</sup> , GI RYANG KWON <sup>1</sup> , JUN YOUNG HEO <sup>1</sup>	<sup>1</sup> Department of Medical Science, Chungnam National University School of Medicine, Daejeon, Korea, Republic of, <sup>2</sup> Department of Neurology, Chungnam National University Hospital, Daejeon, Korea, Republic of, <sup>3</sup> Department of Anesthesiology and Pain Medicine, Chungnam National University Hospital, Daejeon, Korea, Republic of	P-04-1362
P03.25	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.22 12:40	2019.09.22 14:40	SUMO-1 regulates the NFkB-mediated inflammatory response of activated microglia	<b>APARNA KARTHIKEYAN<sup>1</sup></b> , NEELIMA GUPTA <sup>1</sup> , PARAKALAN RANGARAJAN <sup>1</sup> , KARTHIK MALLILANKARAMAN <sup>1</sup> , ENG ANG LING <sup>1</sup> , S. THAMEEM DHEEN <sup>1</sup>	<sup>1</sup> Department of Anatomy, YLL School of Medicine, NUS, Singapore, Singapore, <sup>2</sup> Department of Physiology, YLL School of Medicine, NUS, Singapore, Singapore	P-04-1884
P04.01	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.22 12:40	2019.09.22 14:40	Neuroprotective Role of Heme Oxygenase in the Drosophila Brain	<b>ELBIETA PYZA<sup>1</sup></b> , TERENCE ALBAQUITA <sup>1</sup> , MILENA DAMILEWICZ <sup>2</sup>	<sup>1</sup> Jagiellonian University, Krakow, Poland	P-05-1854
P04.02	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.22 12:40	2019.09.22 14:40	Identification of herbal ingredients to alleviate sleep disorders	<b>RYEONG EUN KIM<sup>1</sup></b> , CHAN YOUNG SHIN <sup>1</sup> , KYOUNG JA KWON <sup>1</sup>	<sup>1</sup> Department of Neurosciences, School of Medicine, Konkuk University, 120 Neungdong-ro, Gwangjin-Gu, Seoul 05029, Korea, Republic of	P-05-1816
P04.03	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.22 12:40	2019.09.22 14:40	hAPOE4 enhances glucose intolerance and obesity in knock-in mouse model	<b>YONG DO PARK<sup>1</sup></b> , SONG MI HAN <sup>1</sup> , SUNG EUN LEE <sup>1</sup> , SUN AH PARK <sup>2</sup>	<sup>1</sup> Neuroscience Graduate Program, Department of Biomedical Sciences, Ajou University Graduate School of Medicine, Suwon, Korea, Republic of, <sup>2</sup> Ajou University School of Medicine, Suwon, Korea, Republic of	P-05-1699
P04.04	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.22 12:40	2019.09.22 14:40	Chemogenetic manipulation of parasympathetic (DMV) regulates feeding behavior and energy metabolism.	<b>CHERL NAIKOOONG<sup>1</sup></b> , WOO JIN SONG <sup>1</sup> , CHANG YEON KIM <sup>1</sup> , DEOK HYEON CHEON <sup>1</sup> , SOONHO SHIN <sup>1</sup> , JONG WOO SOHN <sup>1</sup> , HYUNG JIN CHOI <sup>1</sup>	<sup>1</sup> SEOUL NATIONAL UNIVERSITY, Seoul, Korea, Republic of, <sup>2</sup> KAIST, Daejeon, Korea, Republic of	P-05-1648
P04.05	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.22 12:40	2019.09.22 14:40	Vitamin D deficiency attenuates homeostatic sleep response and circadian rhythmicity	<b>JIEUN JUNG<sup>1</sup></b> , JISEUNG KANG <sup>1</sup> , TAE KIM <sup>1</sup>	<sup>1</sup> GIST, Gwangju, Korea, Republic of	P-05-1601
P04.06	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.22 12:40	2019.09.22 14:40	Effects of reduced nocturnal phone light exposure on sleep - a comparison of the decreased polychromatic light and the blocked short wavelength light conditions	<b>CHUAN LI<sup>1</sup></b> , MING YI CHOI <sup>1</sup> , AUGUSTINE LI <sup>1</sup> , CHUN LOK WU <sup>1</sup> , ZENAB BIBI <sup>1</sup>	<sup>1</sup> Tung Wah College, Hong Kong, Hong Kong SAR, China	P-05-1598
P04.07	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.22 12:40	2019.09.22 14:40	Identification of small molecule inhibitors of glucocorticoid synthesis	<b>SOOHYUN KIM<sup>1</sup></b> , SOOYOUNG CHUNG <sup>1</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, Scranton College, Ewha Womans University, Seoul, Korea, Republic of	P-05-1586
P04.08	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.22 12:40	2019.09.22 14:40	p110 $\delta$ in the ventromedial hypothalamus regulates glucose and energy metabolism	<b>DONG JOO YANG<sup>1</sup></b> , KI WOO KIM <sup>1</sup>	<sup>1</sup> Yonsei University College of Dentistry, Seoul, Korea, Republic of	P-05-1514
P04.09	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.22 12:40	2019.09.22 14:40	FoxO1 in dopaminergic neurons regulates energy homeostasis and targets tyrosine hydroxylase	<b>LE TRUNG TRANG<sup>1</sup></b> , KI WOO KIM <sup>1</sup>	<sup>1</sup> Yonsei University - College of Dentistry, Seoul, Korea, Republic of	P-05-1508
P04.10	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.22 12:40	2019.09.22 14:40	Suppression of FoxO1 by leptin enhances tyrosine hydroxylase and leads to anxiolytic behavior	<b>SEUL KI KIM<sup>1</sup></b> , KI WOO KIM <sup>1</sup>	<sup>1</sup> Yonsei University College of Dentistry, Seoul, Korea, Republic of	P-05-1503
P04.11	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.22 12:40	2019.09.22 14:40	Association between serum cortisol level and T cell subpopulation after transient middle cerebral artery occlusion (MCAO) in aged mice	<b>MINGEE KIM<sup>1</sup></b> , YEOJIN KIM <sup>1</sup> , SODAM KIM <sup>1</sup> , YUNSEON SONG <sup>1</sup>	<sup>1</sup> Sookmyung women's University, Seoul, Korea, Republic of	P-05-1441
P04.12	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.22 12:40	2019.09.22 14:40	Stress-induced protein DRR1 affects spine maturation and AMPAR-subunits in hippocampal neurons	<b>OLGA TSCHESNOKOWA<sup>1</sup></b> , MARTA SEGARRA <sup>2</sup> , TANJA JENE <sup>3</sup> , MARIANNE MUELLER <sup>4</sup> , AMPARO ACKER-PALMER <sup>2</sup>	<sup>1</sup> Buchmann Institute for Molecular Life Sciences, Goethe-University, Frankfurt am Main, Germany, <sup>2</sup> Buchmann Institute for Molecular Life Sciences, Goethe-University, Frankfurt am Main, Germany, <sup>3</sup> Johannes Gutenberg University Medical Center, Mainz, Germany	P-05-1339
P04.13	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.22 12:40	2019.09.22 14:40	Elucidating The Function Of Glucose-sensing Neurons Modulating The Activity Of Endocrine Cells In The Pancreas	<b>SEONGJU LEE<sup>1</sup></b> , UISU HYUN <sup>1</sup> , MINHO LEE <sup>1</sup> , YANGKYUN OH <sup>2</sup> , JONGWOO SOHN <sup>1</sup> , GREG S.B. SUH <sup>2</sup>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of, <sup>2</sup> KAIST, New York University, Daejeon, New York, USA, <sup>3</sup> New York University, New York, USA	P-05-1333
P05.01	Grand Ballroom, 3F	New technology - Neurotool	2019.09.22 12:40	2019.09.22 14:40	Inferring causal relations between neurophysiological signals with dimensional causality	<b>ZSIGMOND BENKO<sup>1</sup></b> , MARCELL STIPPINGER <sup>2</sup> , ADAM ZLATKOVIC <sup>3</sup> , DANIEL FABI <sup>4</sup> , ANDRÁS SILVOM <sup>5</sup> , LORÁND ERŐSS <sup>6</sup> , SEVNU VOLCHUYEVA <sup>7</sup> , ANDRÁS TELCS <sup>8</sup> , ZOLTÁN SOMOGYVÁRI <sup>9</sup>	<sup>1</sup> Wigner Research Centre for Physics, Budapest, Hungary, <sup>2</sup> Department of Computational Sciences, Wigner Research Centre for Physics of the Hungarian Academy of Sciences, Neutronicsystems Ltd., Budapest, Hungary, <sup>3</sup> Department of Computational Sciences, Wigner Research Centre for Physics of the Hungarian Academy of Sciences, Budapest, Hungary, <sup>4</sup> Department of Computer Science and Information Theory, Faculty of Electrical Engineering and Informatics, Budapest University of Technology and Economics, Budapest, Hungary, <sup>5</sup> Epilepsy Center "Jurászki Pár", National Institute of Clinical Neurosciences, Budapest, Hungary, <sup>6</sup> Department of Functional Neurosurgery, National Institute of Clinical Neurosciences, Budapest, Hungary, <sup>7</sup> Department of Computer Science and Information Theory, Faculty of Electrical Engineering and Informatics, Budapest University of Technology and Economics, Budapest, Hungary, <sup>8</sup> Department of Computational Sciences, Wigner Research Centre for Physics of the Hungarian Academy of Sciences, Budapest, Hungary	P-07-1859
P05.02	Grand Ballroom, 3F	New technology - Neurotool	2019.09.22 12:40	2019.09.22 14:40	Gait variability indicates underlying focal gray matter atrophy in the brain of non-demented older adults	<b>SEONJEONG BYUN<sup>1</sup></b> , SEONJEONG BYUN <sup>1</sup> , KI WOONG KIM <sup>2</sup>	<sup>1</sup> Department of Psychiatry, Seoul National University, College of Medicine 2. 1. Department of Neuropsychiatry, National Medical Center, Seoul, Korea, Republic of, <sup>2</sup> Seoul National University, Seoul, Korea, Republic of, <sup>3</sup> Department of Psychiatry, Seoul National University, College of Medicine 2. 1. Department of Neuropsychiatry, National Medical Center, Seoul, Korea, Republic of	P-07-1849
P05.03	Grand Ballroom, 3F	New technology - Neurotool	2019.09.22 12:40	2019.09.22 14:40	Vertical nanowire electrode array for intracellular electrical stimulation to enhance neurogenesis of human neural stem cells	<b>JONG SEUNG LEE<sup>1</sup></b> , JU YOUNG KWON <sup>2</sup> , JUNG HOON KIM <sup>1</sup> , JIN KIM <sup>1</sup> , HEON-JIN CHOI <sup>1</sup> , SEUNG-WOO CHO <sup>1</sup>	<sup>1</sup> Yonsei University, Seoul, Korea, Republic of, <sup>2</sup> Yonsei University, Seoul, Korea, Republic of	P-07-1820
P05.04	Grand Ballroom, 3F	New technology - Neurotool	2019.09.22 12:40	2019.09.22 14:40	High-throughput, high-viability encapsulation of iPSCs and cerebral spheroids into hydrogel spherules using droplet microfluidics	<b>MARCO MALAGA<sup>1</sup></b> , JOHN HEYMAN <sup>2</sup> , JESSE COLLINS <sup>3</sup> , ARSON ONEIL <sup>3</sup> , QIAOLONG HUANG <sup>4</sup> , YI XIAO <sup>5</sup> , DAVID WEITZ <sup>6</sup>	<sup>1</sup> GEIN SOCIEM-USMP, Facultad de Medicina Humana, Universidad San Martín de Porres, Lima, Peru, <sup>2</sup> Department of Physics, John A. Paulson School of Engineering and Applied Sciences, Harvard University, Cambridge, MA, USA, <sup>3</sup> Stem Cell and Regenerative Biology Department, Harvard University, Cambridge, MA, USA, <sup>4</sup> Xiamen University, Xiamen, China, <sup>5</sup> Hunan Normal University, Changsha, China	P-07-1812

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P05.05	Grand Ballroom, 3F	New technology - Neurotool	2019.09.22 12:40	2019.09.22 14:40	New method for the detection of Neurocysticercosis cysts in MRI by image processing	LAURA BAQUEDANO SANTANA <sup>1</sup> , JAVIER BUSTOS <sup>2</sup> , GIANFRANCO ARROYO <sup>3</sup> , JUAN CHACALTANA <sup>4</sup> , MANUEL FORERO <sup>5</sup> , HECTOR GARCIA <sup>2</sup>	<sup>1</sup> Universidad Peruana Cayetano Heredia, Lima, Peru, <sup>2</sup> Cysticercosis Unit, Instituto Nacional de Ciencias Neurológicas, Lima, Peru, <sup>3</sup> School of Public Health and Administration, Universidad Peruana Cayetano Heredia, Lima, Peru, <sup>4</sup> Department of Diagnostic Imaging, Instituto Nacional de Ciencias Neurológicas, Lima, Peru, <sup>5</sup> Universidad de Ibagué, Ibagué, Colombia	P-07-1808
P05.06	Grand Ballroom, 3F	New technology - Neurotool	2019.09.22 12:40	2019.09.22 14:40	Spatio-temporal membrane potential and resistive current reconstruction from parallel multi-electrode array and intracellular measurements in single neurons	ZOLTÁN SOMOGYVÁRI <sup>1</sup> , DOMOKOS MESZÉNA <sup>2</sup> , DOROTTYA CSERPÁN <sup>3</sup> , LUCIA WITTMER <sup>4</sup> , ISTVÁN ULBERT <sup>5</sup>	<sup>1</sup> Wigner Research Centre for Physics of Hungarian Academy of Sciences, Budapest, Hungary, <sup>2</sup> Institute of Cognitive Neuroscience and Psychology, Research Center for Natural Sciences of Hungarian Academy of Sciences, Budapest, Hungary	P-07-1793
P05.07	Grand Ballroom, 3F	New technology - Neurotool	2019.09.22 12:40	2019.09.22 14:40	Shaping brain signals with real-time fMRI: optimizing retrieval inducing neurofeedback with simulations	CINDY LOR <sup>1</sup> , AMELIE HAUGG <sup>2</sup> , RONALD SLADKY <sup>1</sup> , GUSTAVO PAMPLONA <sup>3</sup> , FRANK SCHARNOWSKI <sup>1</sup>	<sup>1</sup> University of Vienna, Vienna, Austria, <sup>2</sup> University of Zurich, Zurich, Switzerland, <sup>3</sup> University of Lausanne, Lausanne, Switzerland	P-07-1768
P05.08	Grand Ballroom, 3F	New technology - Neurotool	2019.09.22 12:40	2019.09.22 14:40	Correlative super-resolution structured illumination microscopy combined with array tomography for high accuracy synapse detection	GYEONG TAE KIM <sup>1</sup> , NARI KIM <sup>2</sup> , SANG-KYU BAHN <sup>2</sup> , KIPOM KIM <sup>1</sup> , JOON HO CHOI <sup>1</sup> , JINSEOP KIM <sup>2</sup> , JONG-CHEOL RAH <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Dae-gu, Korea, Republic of, <sup>2</sup> Korea Brain Research Institute, Dae-gu, Korea, Republic of	P-07-1763
P05.09	Grand Ballroom, 3F	New technology - Neurotool	2019.09.22 12:40	2019.09.22 14:40	Detection of ion concentration of the selected cation at the localized position of hippocampal neuron using nano-pipette.	CHANG WAN SON <sup>1</sup> , TOMOHEDE TAKAMI <sup>2</sup> , WOONG SUN <sup>2</sup> , JON SOO YOON <sup>1</sup> , MI JUNG LEE <sup>1</sup> , BAE HO PARK <sup>1</sup>	<sup>1</sup> Konkuk University, Seoul, Korea, Republic of, <sup>2</sup> Kogakujin University, Tokyo, Japan, <sup>3</sup> Korea University, Seoul, Korea, Republic of	P-07-1760
P05.10	Grand Ballroom, 3F	New technology - Neurotool	2019.09.22 12:40	2019.09.22 14:40	Automated identification of neural cells in the multi-photon images using deep-neuronal networks	SI-BAEK SEONG <sup>1</sup> , HAE-JEONG PARK <sup>2</sup>	<sup>1</sup> BK21 PLUS Project for Medical Science, Yonsei University College of Medicine, Seoul, Korea, Republic of, <sup>2</sup> Department of Nuclear Medicine, Yonsei University College of Medicine, Seoul, Korea, Republic of	P-07-1747
P05.11	Grand Ballroom, 3F	New technology - Neurotool	2019.09.22 12:40	2019.09.22 14:40	Highly dense Optoelectronic device realized through Dry transfer technique	SEUNG KYOUNG HEO <sup>1</sup> , HOHYUN KEUM <sup>2</sup> , KYUNG IN JANG <sup>1</sup>	<sup>1</sup> Dae-gu Gyeongbuk Institute of Science & Technology, Dae-gu, Korea, Republic of, <sup>2</sup> LG Display, Seoul, Korea, Republic of	P-07-1607
P05.12	Grand Ballroom, 3F	New technology - Neurotool	2019.09.22 12:40	2019.09.22 14:40	Long-term organotypic culture model of the post mortem adult human retina	ARNOLD SZABO <sup>1</sup> , FERENC KILIN <sup>2</sup> , DANIEL MAGDA <sup>1</sup> , SANDOR LOVAS <sup>3</sup> , AKOS KUSNYERIK <sup>4</sup>	<sup>1</sup> Semmelweis University, Department of Anatomy, Histology and Embryology, Budapest, Hungary, <sup>2</sup> Semmelweis University, Eye Clinic, Budapest, Hungary	P-07-1602
P05.13	Grand Ballroom, 3F	New technology - Neurotool	2019.09.22 12:40	2019.09.22 14:40	Inhibition of neural activities by photothermal effects of polydopamine film with patterned illumination	HYUNSOO JANG <sup>1</sup> , YOONKEE NAM <sup>1</sup>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of	P-07-1600
P05.14	Grand Ballroom, 3F	New technology - Neurotool	2019.09.22 12:40	2019.09.22 14:40	Neural Spike Classification via Deep Neural Network	JUNSIK EOM <sup>1</sup> , SEWON KIM <sup>1</sup> , HANBYOL JANG <sup>1</sup> , HYUNGSEOB SHIN <sup>1</sup> , JUN HA HWANG <sup>1</sup> , SANGGEON PARK <sup>2</sup> , YEOWOOL HUH <sup>1</sup> , HEON JIN CHOI <sup>1</sup> , DOSIK KIM <sup>1</sup>	<sup>1</sup> Yonsei University, Seoul, Korea, Republic of, <sup>2</sup> Catholic Kwandong University, International St. Mary's Hospital, Incheon, Korea, Republic of	P-07-1496
P05.15	Grand Ballroom, 3F	New technology - Neurotool	2019.09.22 12:40	2019.09.22 14:40	Developing an optimizing 3-D imaging platform of Light sheet fluorescence microscopy for CLARITY brain tissue	S. OLIVIA PARK <sup>1</sup> , KARAM KIM <sup>1</sup> , WONCHANG CHOE <sup>1</sup> , DEOKHUI CHANG <sup>1</sup> , YUSUICK KIM <sup>1</sup> , NEONCHEOL JUNG <sup>1</sup>	<sup>1</sup> Logos Biosystems, Anyang, Korea, Republic of	P-07-1494
P05.16	Grand Ballroom, 3F	New technology - Neurotool	2019.09.22 12:40	2019.09.22 14:40	Visualizing super-resolution and volumetric imaging of substantia nigra via expansion microscopy	KEYONG-BAE MIN <sup>1</sup> , JAE-BYUM CHANG <sup>2</sup>	<sup>1</sup> Sungkyunkwan University, Suwon-si, Gyeonggi-do, Korea, Republic of, <sup>2</sup> KAIST, Daejeon, Korea, Republic of	P-07-1469
P05.17	Grand Ballroom, 3F	New technology - Neurotool	2019.09.22 12:40	2019.09.22 14:40	Volumetric super-resolution imaging of actin and other cytoskeletons of the brain via expansion microscopy	CHANE PARK <sup>1</sup> , JAE-BYUM CHANG <sup>1</sup>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of	P-07-1445
P05.18	Grand Ballroom, 3F	New technology - Neurotool	2019.09.22 12:40	2019.09.22 14:40	Super-resolution simultaneous imaging of proteins and mRNAs via expansion microscopy	IN CHO <sup>1</sup> , JAE-BYUM CHANG <sup>1</sup>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of	P-07-1422
P05.19	Grand Ballroom, 3F	New technology - Neurotool	2019.09.22 12:40	2019.09.22 14:40	Aberation corrected inclined light sheet microscopy for high speed brain structure mapping	CHEOLWOO AHN <sup>1</sup> , JUNG-HEON PARK <sup>1</sup>	<sup>1</sup> Department of Biomedical Engineering, Ulsan National Institute of Science and Technology (UNIST), Ulsan, Korea, Republic of	P-07-1402
P05.20	Grand Ballroom, 3F	New technology - Neurotool	2019.09.22 12:40	2019.09.22 14:40	Method of decellularizing scaffold for tissue regeneration using tissue clearing.	YUN JIN JANG <sup>1</sup> , BYUNG HEUN HA <sup>1</sup> , SUNG-JIN JEONG <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Dae-gu, Korea, Republic of	P-07-1399
P06.01	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	Drugs of abuse inhibit striatal dopamine transmission evoked by prefrontal cortex inputs	JUNG HOON SHIN <sup>1</sup> , MARTIN ADROVER <sup>2</sup> , MICHAEL AUTHEMENT <sup>1</sup> , VERONICA ALVAREZ <sup>1</sup>	<sup>1</sup> NIH / National Institute on Alcohol Abuse and Alcoholism, Bethesda, USA, <sup>2</sup> Instituto de Investigaciones en Ingeniería Genética y Biología Molecular, CONICET, Buenos Aires, Argentina	P-08-1832
P06.02	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	Cerebellar microcircuits regulates long-term fear memory by the STAT3-mediated excitatory-inhibitory balance	JEONG-KYU HAN <sup>1</sup> , SANG JEONG KIM <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-08-1779
P06.03	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	Slow presynaptic calcium dynamics gate long-lasting asynchronous release at the hippocampal mossy fiber to CA3 pyramidal cell synapse	KATALIN TOTI <sup>1</sup> , SIMON CHAMBERLAND <sup>2</sup> , ALESYA EVSTRATOVA <sup>3</sup>	<sup>1</sup> Université Laval, Québec City, Canada, <sup>2</sup> NYU, New York, NY, USA, New York, USA, <sup>3</sup> University of Toronto, Toronto, Canada	P-08-1772
P06.04	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	Action potential mediated long range cell to cell connections within rat suprachiasmatic nucleus (SCN): exploring the characteristics of connections and morphology by using the custom-built optogenetic mapping system.	CHEOL HONG MIN <sup>1</sup> , HYUN KIM <sup>1</sup> , KYOUNG J. LEE <sup>2</sup>	<sup>1</sup> Korea University, Seoul, Korea, Republic of, <sup>2</sup> Department of Physics, Korea University, Seoul, Korea, Republic of	P-08-1771
P06.05	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	The Metabolism of Astrocytes in the Central Vestibular System Regulates Neural Excitabilities in the Medial Vestibular Nucleus	HO KOO <sup>1</sup> , MIN SUN KIM <sup>1</sup>	<sup>1</sup> Wonkwang University, Iksan, Korea, Republic of	P-08-1770
P06.06	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	Cholinergic modulation of AMPA receptor signaling in long-term depression in the nucleus accumbens	SU JEONG CHOI <sup>1</sup> , MAHNAZ DAVOUDI <sup>2</sup> , TAE-YONG CHOI <sup>3</sup> , SU-HYUN JO <sup>4</sup> , SE-YOUNG CHOI <sup>1</sup>	<sup>1</sup> Department of Physiology and Dental Research Institute, Seoul National University School of Dentistry, Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Department of Physiology and Dental Research Institute, Seoul National University School of Dentistry, Seoul National University, Seoul, Iran, <sup>3</sup> Department of Neural Development and Disease, Korea Brain Research Institute, Dae-gu, Korea, Republic of, <sup>4</sup> Department of Physiology, BIT Medical Convergence Graduate Program, Kangwon National University, Chuncheon, Korea, Republic of	P-08-1752
P06.07	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	Slow wave sleep and sleep need resolution	GOEUN HAN <sup>1</sup> , KASPAR VOGT <sup>2</sup> , ROBERT GREENE <sup>2</sup> , JAVIER DIAZ <sup>1</sup>	<sup>1</sup> International Institute for Integrative Sleep Medicine, University of Tsukuba, Tsukuba, Japan, <sup>2</sup> University of Texas Southwestern Medical Center, UT Southwestern Joint Dept Department of Neuroscience, Dallas, USA	P-08-1690
P06.08	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	Hydrangea macrophylla Induces Neurite Outgrowth in Neuroblastoma Neuro2a Cells	JI-EUN JEON <sup>1</sup> , HUIYOUNG KWON <sup>1</sup> , EUNBI CHO <sup>1</sup> , DONGHYUN KIM <sup>1</sup>	<sup>1</sup> Dong-A University, Busan, Korea, Republic of	P-08-1682
P06.09	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	Bee Venom Acupuncture Suppresses Paxilaxol-Induced Mechanical Hyperalgesia Through Spinal α2-Adrenergic Activity in Rats	JI HWAN LEE <sup>1</sup> , SUN KWANG KIM <sup>2</sup>	<sup>1</sup> Department of Science in Korean Medicine, Graduate School, Kyung Hee University, Seoul, Korea, Republic of, <sup>2</sup> Department of Physiology, College of Korean Medicine, Kyung Hee University, Seoul, Korea, Republic of	P-08-1669
P06.10	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	Stalk domain of NL1 regulates its synaptogenic capability via membrane interaction	TAILIN LIAO <sup>1</sup> , WEI HU <sup>1</sup> , JUNYU XU <sup>1</sup>	<sup>1</sup> Zhejiang University, Hangzhou, China	P-08-1651
P06.11	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	Autism-like behaviors and enhanced memory formation and synaptic plasticity in Lhr and En2 <sup>fl/fl</sup> mice.	NAOKO MORIMURA <sup>1</sup> , HIROKI YASUDA <sup>2</sup> , KAZUHIKO YAMAGUCHI <sup>3</sup> , KEIICHI KATAYAMA <sup>4</sup> , NAOKO H. TOMOKA <sup>4</sup> , KAZUYUKI YAMADA <sup>5</sup> , SEIJI HITOSHI <sup>1</sup> , TAKEO YOSHIKAWA <sup>6</sup> , JUN ARUGA <sup>4</sup>	<sup>1</sup> Shiga University of Medical Science, Otsu, Japan, <sup>2</sup> Gunma University Graduate School of Medicine, Maebashi, Japan, <sup>3</sup> RIKEN Brain Science Institute (BSI), Wako, Japan, <sup>4</sup> Nagasaki University Graduate School of Biomedical Sciences, Nagasaki, Japan	P-08-1639
P06.12	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	Differential expression of Cui4a and Cui4b by NMDA-evoked neuronal activity	TAMMY SHIM <sup>1</sup> , JAEYOUNG KIM <sup>1</sup> , SEONGHWAN KIM <sup>1</sup> , BONGKI CHO <sup>1</sup> , CHEIL MOON <sup>1</sup>	<sup>1</sup> Dae-gu Gyeongbuk Institute of Science & Technology, Dae-gu, Korea, Republic of	P-08-1614
P06.13	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	CAST/ELKS regulates presynaptic morphology and calcium channel levels in a developing central synapse	WEI DONG <sup>1</sup> , MAOMIAO XU <sup>1</sup> , TAMARA RADULOVIC <sup>2</sup> , TOSHIISSA OHTSUKA <sup>3</sup> , SAMUEL YOUNG <sup>2</sup>	<sup>1</sup> Southwest Medical University, Luzhou, China, <sup>2</sup> University of Iowa, Iowa City, USA, <sup>3</sup> University of Yamanashi, Yamanashi, Japan	P-08-1588
P06.14	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	The roles of Na <sub>v</sub> 1.9 and BK channels in rebound depolarization in cortical pyramidal neurons	PRZEMYSŁAW KUROWSKI <sup>1</sup> , PAWEŁ SZULCZYK <sup>1</sup> , MAGDALENA BUJALSKA-ZADROŻNY <sup>2</sup>	<sup>1</sup> Laboratory of Physiology and Pathophysiology, Centre for Preclinical Research, Medical University of Warsaw, Warsaw, Poland, <sup>2</sup> Laboratory of Pharmacodynamics, Centre for Preclinical Research, Medical University of Warsaw, Warsaw, Poland	P-08-1584
P06.15	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	Theta burst firing induces intrinsic plasticity in dentate gyrus granule cells.	POONAM MISHRA <sup>1</sup> , RISHIKESH NARAYANAN <sup>2</sup>	<sup>1</sup> Indian Institute of Science, Bangalore, India, <sup>2</sup> Indian Institute of Science, Bangalore, India	P-08-1580
P06.16	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	Application of polysome profiling analysis in the study of synaptic protein translation	YINGHUI PENG <sup>1</sup> , XIAOJUN WANG <sup>1</sup> , LEI SHI <sup>1</sup>	<sup>1</sup> Jinan University, Guangzhou, China	P-08-1574
P06.17	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	RNA editing of ionotropic glutamate receptors in the suprachiasmatic nucleus	ALES BALIK <sup>1</sup> , ZDENKA BENDOVA <sup>2</sup> , HANA KYCLEROVA <sup>2</sup> , VIKTOR KUCHTIAK <sup>3</sup>	<sup>1</sup> Charles University, Prague, Czech Republic, <sup>2</sup> Charles University, Faculty of Science, Prague, Czech Republic	P-08-1559
P06.18	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	Actions of neuropeptide Y on synaptic transmission in the lateral habenula	MYUNGHYUN CHEON <sup>1</sup> , HOYONG PARK <sup>1</sup> , CHIHYE CHUNG <sup>2</sup>	<sup>1</sup> Konkuk Univ., Seoul, Korea, Republic of	P-08-1467
P06.19	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	Involvement of β-adrenergic signaling in the induction phase of a labile state during memory reconsolidation	CHAE-SEOK LIM <sup>1</sup> , JAEHYUN LEE <sup>2</sup> , JIHAE OH <sup>2</sup> , BONG-KILUN KAANG <sup>2</sup>	<sup>1</sup> Wonkwang University School of Medicine, Iksan, Jeonbuk, Korea, Republic of, <sup>2</sup> Seoul National University, Seoul, Korea, Republic of	P-08-1458
P06.20	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	Extra neuronal circuit pattern from hippocampal subregion to several areas of subcortical region	JINSEOP LEE <sup>1</sup> , YONGSEOK OH <sup>1</sup>	<sup>1</sup> DGIST, Dae-gu, Korea, Republic of	P-08-1430
P06.21	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	Focused ultrasound increases adult hippocampal neurogenesis and concomitant zinc	JAEWOO SHIN <sup>1</sup> , BO YOUNG CHOI <sup>2</sup> , CHANHO KONG <sup>1</sup> , JIYEON SIM <sup>1</sup> , JIN WOO CHANG <sup>1</sup> , SANG WON SUH <sup>2</sup> , WON SEOK CHANG <sup>1</sup>	<sup>1</sup> Department of Neurosurgery, Yonsei University College of Medicine, Seoul, Korea, Republic of, <sup>2</sup> Department of Physiology, Hallym University College of Medicine, Chuncheon, Korea, Republic of	P-08-1426
P06.22	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	Novel function of calcium binding protein parvalbumin in modulation of excitatory synapses	SOOYONG KIM <sup>1</sup> , JAE JIN SHIN <sup>1</sup> , HWAYOUNG LEE <sup>1</sup> , SANG YOUNG LEE <sup>1</sup> , JOOMIN PARK <sup>1</sup> , SANG JEONG KIM <sup>1</sup>	<sup>1</sup> Institute for Basic Science, Daejeon, Korea, Republic of, <sup>2</sup> Seoul National University, Seoul, Korea, Republic of	P-08-1414
P06.23	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	The functional connectivity of locus coeruleus and mesencephalic trigeminal nucleus neurons as an implication for stress-induced masticatory dysfunction	JONGHWA WON <sup>1</sup> , SEUNG-HYUN LEE <sup>1</sup> , YOUNGNAM KANG <sup>1</sup> , SEOG BAE OH <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-08-1412
P06.24	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	Overexpression of neuronal K <sup>+</sup> -Cl <sup>-</sup> cotransporter enhances dendritic spine plasticity and motor learning	KAYO NAKAMURA <sup>1</sup> , JUNICHI NABEKURA <sup>2</sup>	<sup>1</sup> Toyohashi SOZO University, Toyohashi 440-8511, Japan, <sup>2</sup> National Institute for Physiological Sciences, Okazaki, 444-8585, Japan	P-08-1392
P06.25	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	Presynaptic mitochondrial regulation of microdomain calcium and short-term plasticity at the calyx of Held	CHEHO YUN <sup>1</sup> , WON KYUNG HO <sup>1</sup> , SUK HO LEE <sup>1</sup>	<sup>1</sup> Seoul National University College of Medicine, Seoul, Korea, Republic of	P-08-1388
P06.26	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.22 12:40	2019.09.22 14:40	NMDAR-dependent regulation of signaling pathways involved in translational control in hippocampal neurons	XUANYUE MA <sup>1</sup> , LIUREN LI <sup>1</sup> , YINGHUI PENG <sup>1</sup> , LEI SHI <sup>1</sup>	<sup>1</sup> JNU-HKUST Joint Laboratory of Neuroscience and Innovative Drug Research, Jinan University, Guangzhou, China	P-08-1380
P07.01	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.22 12:40	2019.09.22 14:40	Temporal and spectral properties of mouse cortical LFP explained from a conceptual framework based on transient events	JAVIER DIAZ <sup>1</sup> , SUMIRE MATSUMOTO <sup>2</sup> , KAORU OYAMA <sup>1</sup> , KASPAR VOGT <sup>1</sup>	<sup>1</sup> International Institute for Integrative Sleep Medicine (IIIS), University of Tsukuba, Tsukuba, Ibaraki, Japan	P-09-1851
P07.02	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.22 12:40	2019.09.22 14:40	Cognitive reserve and task-free functional networks: in normal cognition, amnesic MCI and Alzheimer's dementia	SUNG-WOO KIM <sup>1</sup> , JOON-KYUNG SEONG <sup>1</sup>	<sup>1</sup> Korea University, Seoul, Korea, Republic of	P-09-1842
P07.03	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.22 12:40	2019.09.22 14:40	Altered structural and functional connectivity underlying thalamo-cortical disturbances in psychosis	YOO BIN KWAK <sup>1</sup> , KANG IK CHO <sup>1</sup> , WU JEONG HWANG <sup>1</sup> , TAE YOUNG LEE <sup>2</sup> , JUN SOO KWON <sup>2</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Seoul National University Hospital, Seoul, Korea, Republic of, <sup>3</sup> Harvard University, Boston, USA	P-09-1840
P07.04	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.22 12:40	2019.09.22 14:40	Thalamic microstructure in unaffected relatives of psychosis	WU JEONG HWANG <sup>1</sup> , TAE YOUNG LEE <sup>2</sup> , KANG IK CHO <sup>1</sup> , YOO BIN KWAK <sup>1</sup> , JUN SOO KWON <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Seoul National University Hospital, Seoul, Korea, Republic of, <sup>3</sup> Harvard University, Boston, USA	P-09-1838
P07.05	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.22 12:40	2019.09.22 14:40	Cortico-cortical and base-cortical gamma oscillations represent functionally distinct attentional networks	KA EUN LEE <sup>1</sup> , HIO-BEEN HAN <sup>2</sup> , JEE HYUN CHOI <sup>2</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Korea Institute of Science and Technology, Seoul, Korea, Republic of, <sup>3</sup> Korea Advanced Institute of Science and Technology, Seoul, Korea, Republic of	P-09-1815
P07.06	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.22 12:40	2019.09.22 14:40	Electric field orientation-dependence of evoked seizures and foci localisation using temporal interference and implantable electrodes	BOTZANOWSKI BORIS <sup>1</sup> , WILLIAMSON ADAM <sup>1</sup>	<sup>1</sup> INSERM, Marseille, France	P-09-1786
P07.07	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.22 12:40	2019.09.22 14:40	Real consequences of improved hippocampal: a microscopic study of flexible organics vs standard rigid implants in mice and the effect on seizure onset.	MISSEY FLORIAN <sup>1</sup> , WILLIAMSON ADAM <sup>1</sup>	<sup>1</sup> INSERM, Marseille, France	P-09-1781
P07.08	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.22 12:40	2019.09.22 14:40	Computational model of subcortical neuromodulatory circuit for coding of the adaptation to aversion	TAEGON KIM <sup>1</sup>	<sup>1</sup> Center for Functional Connectomics, Korea Institute of Science and Technology, Seoul, Korea, Republic of	P-09-1761

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P07.09	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.22 12:40	2019.09.22 14:40	A toolbox for dynamic causal modeling simulations of multimodal electrophysiological data	HAE-JEONG PARK <sup>1</sup> , JIYOUNG KANG <sup>1</sup> , JINSEOK EOI <sup>1</sup>	<sup>1</sup> Yonsei University College of Medicine, Seoul, Korea, Republic of	P-09-1748
P07.10	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.22 12:40	2019.09.22 14:40	A dynamic causal modeling of voltage sensitive dye imaging data from rodent hippocampus	JYOUNG KANG <sup>1</sup> , KYESAM JUNG <sup>1</sup> , HAE-JEONG PARK <sup>1</sup>	<sup>1</sup> Yonsei University, Seoul, Korea, Republic of	P-09-1746
P07.11	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.22 12:40	2019.09.22 14:40	A population connection map for the whole brain white matter	DONGHA LEE <sup>1</sup> , HAE-JEONG PARK <sup>2</sup>	<sup>1</sup> Center for Systems and Translational Brain Sciences, Institute of Human Complexity and Systems Science, Yonsei University, Seoul, Korea, Republic of, <sup>2</sup> Center for Systems and Translational Brain Sciences, Institute of Human Complexity and Systems Science, Yonsei University, BK21 PLUS Project for Medical Science, Yonsei University College of Medicine, Department of Nuclear Medicine, Yonsei University College of Medicine, Department of Cognitive Science, Yonsei University, Seoul, Korea, Republic of	P-09-1736
P07.12	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.22 12:40	2019.09.22 14:40	A Study on the Stress-induced Changes of Correlation of cerebral Metabolites in Mouse Brain: 1H MR spectroscopy Study	CHANG-SOO YUN <sup>1</sup> , YOON HO HWANG <sup>2</sup> , MIN-HEE LEE <sup>3</sup> , JIHWAN KIM <sup>1</sup> , JEHYEONG YEON <sup>1</sup> , WOOSEUNG KIM <sup>2</sup> , YONG-TAE KIM <sup>1</sup> , HYEON-MAN BAEK <sup>1</sup> , DONG YOUNG KIM <sup>1</sup> , BONG SOO HAN <sup>1</sup>	<sup>1</sup> Department of Radiological Science, Yonsei University, Wonju, Korea, Republic of, <sup>2</sup> Department of Biomedical Engineering, Yonsei University, Wonju, Korea, Republic of, <sup>3</sup> Department of Pediatrics, Children's Hospital of Michigan, Detroit, USA, <sup>4</sup> Department of Basic Medical Sciences, Lee Gil Ya Cancer & Diabetes Institute, Gachon University, Incheon, Korea, Republic of	P-09-1702
P07.13	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.22 12:40	2019.09.22 14:40	Early classification of Alzheimer's disease and mild cognitive impairment using pre-trained 3D deep neural network	YUBRAJ GUPTA <sup>1</sup> , GOO-RAK KWON <sup>2</sup>	<sup>1</sup> Chosun university, Gwangju, Korea, Republic of, <sup>2</sup> Chosun University, Gwangju, Korea, Republic of	P-09-1701
P07.14	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.22 12:40	2019.09.22 14:40	Conductance-based models of insect central olfactory neurons	HAYEONG LEE <sup>1</sup> , TOMOKI KAZAWA <sup>1</sup> , STEPHAN HALUPT <sup>1</sup> , RYOHEI KANZAKI <sup>1</sup>	<sup>1</sup> The University of Tokyo, Tokyo, Japan	P-09-1698
P07.15	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.22 12:40	2019.09.22 14:40	Alzheimer's disease Identification Using Joint Mutual Information Based Feature Selection and Extreme Learning Machine: Structural MRI, CSF and Cognitive Score	UTTAM KHATRA <sup>1</sup> , GOO-RAK KWON <sup>2</sup>	<sup>1</sup> Chosun university, Gwangju, Korea, Republic of, <sup>2</sup> Chosun University, Gwangju, Korea, Republic of	P-09-1697
P07.16	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.22 12:40	2019.09.22 14:40	Suppression Mechanisms of High Frequency Electrical Stimulation on Seizure-like Events in Rat Hippocampal Microelectrode Array Recordings	YUN SEO CHOI <sup>1</sup> , HYE-YOUNG JOUNG <sup>1</sup> , SOL AH KIM <sup>1</sup> , SANG BEOM JUN <sup>1</sup> , CHANG-HYEON JI <sup>1</sup> , HYANG WOON LEE <sup>1</sup>	<sup>1</sup> Departments of Neurology and Medical Science, Ewha Womans University School of Medicine and Ewha Medical Research Institute, Seoul, Korea, Republic of, <sup>2</sup> Department of Electronic and Electrical Engineering, Department of Brain & Cognitive Sciences, Ewha Womans University, Seoul, Korea, Republic of, <sup>3</sup> Department of Electronic and Electrical Engineering, Ewha Womans University, Seoul, Korea, Republic of	P-09-1662
P07.17	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.22 12:40	2019.09.22 14:40	Decoding scene prediction and its confidence during maze exploration	RISA KATAYAMA <sup>1</sup> , SHIN ISHII <sup>2</sup> , WAKO YOSHIDA <sup>2</sup>	<sup>1</sup> Graduate School of Informatics, Kyoto University, Kyoto, Japan, <sup>2</sup> Graduate School of Informatics, Kyoto University, and Advanced Telecommunications Research Institute International (ATR), Kyoto, Japan	P-09-1653
P07.18	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.22 12:40	2019.09.22 14:40	The organization of layer Vb microcircuits in the lateral and medial entorhinal cortex	SHINYA OHARA <sup>1</sup> , RAJEEVKUMAR NAIR <sup>2</sup> , STEFAN BLANKVOORT <sup>3</sup> , CLIFFORD KENTROS <sup>2</sup> , MENNO WITTER <sup>2</sup>	<sup>1</sup> Tohoku University Graduate School of Life Sciences, Sendai, Japan, <sup>2</sup> Kavli Institute for Systems Neuroscience, NTNU Norwegian University of Science and Technology, Trondheim, Norway	P-09-1631
P07.19	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.22 12:40	2019.09.22 14:40	Functional dissociation of EEG theta rhythms between prefrontal and visual cortices and their synchronization during sustained attention	HIO-BEEN HAN <sup>1</sup> , KA EUN LEE <sup>3</sup> , JEE HYUN CHOI <sup>2</sup>	<sup>1</sup> Korea Advanced Institute of Science and Technology, Daejeon, Korea, Republic of, <sup>2</sup> Korea Institute of Science and Technology, Seoul, Korea, Republic of, <sup>3</sup> Seoul National University, Seoul, Korea, Republic of	P-09-1629
P07.20	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.22 12:40	2019.09.22 14:40	Stress, Anxiety and Depression Measurements by using TNF, IL6 and Cortisol in Undergrad Students correlated with EEG & EKG	ESTELA ADRIANA CASTELLANOS ALVARADO <sup>1</sup> , PAOLA BEATRIZ CASTRO GARCIA <sup>2</sup> , LIZETH GONZÁLEZ CARABARIN <sup>3</sup> , CÁESAR ADRIÁN HERNÁNDEZ LÓPEZ <sup>2</sup> , CLAUDIA JANETTE MANZANO GARCÍA <sup>3</sup> , HECTOR ISAY VA ZQUEZ TAPIA <sup>4</sup> , MARIO ALBERTO GARCÍA RAMÍREZ <sup>3</sup>	<sup>1</sup> Instituto Mexicano del Seguro Social, Guadalajara, Mexico, <sup>2</sup> University of Guadalajara, Guadalajara, Mexico, <sup>3</sup> University of Guadalajara, Guadalajara, Mexico, <sup>4</sup> Morton College Oxford University Oxford, UK	P-09-1620
P07.21	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.22 12:40	2019.09.22 14:40	Preparatory neural activities in basal ganglia related with learned songs and innate calls in Java sparrows	SACHIO UMEMOTO <sup>1</sup> , SHIN YANAGIHARA <sup>1</sup> , KAZUO OKANOYA <sup>1</sup>	<sup>1</sup> The University of Tokyo, Tokyo, Japan	P-09-1610
P07.23	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.22 12:40	2019.09.22 14:40	Cortical responsiveness across natural wake and sleep in mice	SUMIRE MATSUMOTO <sup>1</sup> , KAORU OYAMA <sup>1</sup> , JAVIER DIAZ <sup>2</sup> , ROBERT GREENE <sup>3</sup> , KASPAR VOGT <sup>1</sup>	<sup>1</sup> International Institute for Integrative Sleep Medicine, University of Tsukuba, Tsukuba, Japan, <sup>2</sup> Department of Psychiatry&Neuroscience, Peter O'Donnell Brain Institute, UT Southwestern Medical Center, Dallas, USA	P-09-1576
P07.24	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.22 12:40	2019.09.22 14:40	Lessons from artificial neural networks for studying coding principles of biological neural networks	HYOJIN BAE <sup>1</sup> , CHANG-EOP KIM <sup>1</sup>	<sup>1</sup> Gachon university, Seong-nam, Korea, Republic of	P-09-1560
P08.01	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	Neural ensemble dynamics during vocal learning	JUNSEUNG LEE <sup>1</sup> , SATOSHI KOJIMA <sup>2</sup> , RICHARD HAHNLOSER <sup>1</sup>	<sup>1</sup> ETH Zurich, Zurich, Switzerland, <sup>2</sup> KBRI, Daegu, Korea, Republic of	P-10-1835
P08.02	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	Subgroups of FCO neurons differentially affect leg kinematics during walking in Drosophila	ALEXANDER CHOCKLEY <sup>1</sup> , SARA RATIAN <sup>2</sup> , GESA F. DINGES <sup>3</sup> , ANSGAR BÜSCHGES <sup>1</sup> , TILL BOCKEMÜHL <sup>1</sup>	<sup>1</sup> University of Cologne, Cologne, Germany, <sup>2</sup> Geisel School of Medicine, Dartmouth University, Hanover, NH, USA	P-10-1830
P08.03	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	MicroRNA-181a contributes to gastric hypersensitivity by targeting toll-like receptor 4 in diabetic rats	HONG-HONG ZHANG <sup>1</sup> , JI HU <sup>1</sup> , BING-YU ZHANG <sup>1</sup> , QIAN SUN <sup>1</sup> , YI-LIAN ZHANG <sup>1</sup> , GUANG-YIN XU <sup>2</sup>	<sup>1</sup> Department of Endocrinology, the Second Affiliated Hospital Soochow University, Suzhou, China, <sup>2</sup> Center for Translational Pain Medicine, Institute of Neuroscience, Soochow University, Suzhou, China	P-10-1814
P08.04	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	Social behaviour may drive asymmetries among accessory olfactory bulb subdomains: the case of octodrine rodents.	PEDRO FRANCISCO FERNANDEZ-ABURTO <sup>1</sup> , SCARLETT E. DELGADO <sup>2</sup> , RAUL SOBRERO <sup>3</sup> , JORGE MPODOZIS <sup>4</sup>	<sup>1</sup> Agency for Science, Technology and Research (A*STAR), Singapore, Singapore, <sup>2</sup> Departamento de Biología, Facultad de Ciencias, Universidad de Chile, Santiago de Chile, Chile, <sup>3</sup> Instituto de Ciencias Veterinarias del Litoral (CIVIL-Litoral), Universidad Nacional del Litoral (UNL) Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), Santa Fe, Argentina	P-10-1801
P08.05	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	Bed nucleus of stria terminalis is involved in thermoregulatory behaviors	BATTUVSHIN LKHAGVASUREN <sup>1</sup> , TUVSHINGEREL SANDAGDORJ <sup>2</sup> , JOSHUA CORRIGAN <sup>3</sup> , ANDREJ ROMANOVSKY <sup>4</sup>	<sup>1</sup> Mongolian National University of Medical Sciences, Ulaanbaatar, Mongolia, <sup>2</sup> National Cancer Center, Ulaanbaatar, Mongolia, <sup>3</sup> Massachusetts Institute of Technology, Boston, USA, <sup>4</sup> Banow Neurological Institute, Phoenix, USA	P-10-1797
P08.06	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	Effects of Stochastic Resonance Electrical Stimulation on proprioception in healthy adults	SHIANG-LIN HOU <sup>1</sup> , SHUN-HWA WEI <sup>1</sup> , CHUNG-LAN KAO <sup>1</sup> , LI-WEI CHOU <sup>1</sup>	<sup>1</sup> National Yang-Ming University, Taipei, Taiwan, China	P-10-1774
P08.07	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	The gain reflected by a response of the auditory midbrain to intracochlear electrical stimulation is affected by a neonatal cochlear lesion	HUIMING ZHANG <sup>1</sup> , MIYAKO HATANO <sup>2</sup> , JACK KELLY <sup>3</sup>	<sup>1</sup> University of Windsor, Windsor, Canada, <sup>2</sup> Kanazawa University, Kanazawa, Japan, <sup>3</sup> Carleton University, Ottawa, Canada	P-10-1745
P08.08	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	Visuomotor adaptation in the virtual reality environment based on the head-mounted display	EUNBEEN LEE <sup>1</sup> , KYOUNG-MIN LEE <sup>1</sup> , SANGBIN JEON <sup>2</sup> , BYUNGCHOL KIM <sup>2</sup> , JEH-KWANG RYU <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Joongbu University, Geumsan County, Korea, Republic of	P-10-1733
P08.09	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	Efficient decoding of imagined upper limb movements from human electrocorticographic signals	SANG JIN JANG <sup>1</sup> , JAESEUNG JEONG <sup>1</sup>	<sup>1</sup> Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea, Republic of	P-10-1732
P08.10	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	Movement related changes in rhythmic activity in subthalamic nucleus of parkinsonian patients	ELENA BELOVA <sup>1</sup> , ULIA SEMENOVA <sup>1</sup> , ALEXEY TOMSKIY <sup>2</sup> , ALEXEY SEDOV <sup>1</sup>	<sup>1</sup> Semenov Institute of Chemical Physics, Moscow, Russia, <sup>2</sup> N.N. Burdenko National Scientific and Practical Center for Neurosurgery, Moscow, Russia	P-10-1722
P08.11	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	Effect of neurokinin 1 receptor (NK1R) antagonist on mechanical paw hypersensitivity in MIA-induced osteoarthritis model	YOUNGKYUNG KIM <sup>1</sup> , KYUNGWON YANG <sup>2</sup> , EUNJU JEONG <sup>3</sup> , YOUNG WOOK YOON <sup>1</sup>	<sup>1</sup> Department of Physiology, Korea University College of Medicine, Seoul, Korea, Republic of, <sup>2</sup> Department of Physiology, Ewha Womans University College of Medicine, Seoul, Korea, Republic of, <sup>3</sup> Catholic Institute for Applied Anatomy center, The Catholic University of Korea, Seoul, Korea, Republic of	P-10-1719
P08.12	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	The effects of proprioceptive feedback on pallidal LFP activity in patients with cervical dystonia	ULIA SEMENOVA <sup>1</sup> , ALEXEY TOMSKIY <sup>2</sup> , VALENTIN POPOV <sup>1</sup> , RITA MEDVEDNIK <sup>1</sup> , AASEF G. SHAIKH <sup>3</sup> , ALEXEY SEDOV <sup>1</sup>	<sup>1</sup> Semenov Institute of chemical physics, Russian Academy of Sciences, Moscow, Russia, <sup>2</sup> Burdenko National Scientific and Practical Center for Neurosurgery, Moscow, Russia, <sup>3</sup> Department of Neurology, Case Western Reserve University, Cleveland, OH, USA	P-10-1717
P08.13	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	Descending premotor pathways controlling distinct whisking movements	JAEHONG PARK <sup>1</sup> , JUN TAKATOH <sup>1</sup> , FAN WANG <sup>1</sup>	<sup>1</sup> Duke University, Durham, USA	P-10-1711
P08.14	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	Amygdala and auditory cortex differentially modulate tonal receptive fields in the inferior colliculus	JEONGYOON LEE <sup>1</sup> , JEFF LIN <sup>1</sup> , ADAM SWIERCZ <sup>2</sup> , ZHE YU <sup>2</sup> , PAUL J MARVAR <sup>3</sup> , GUANGYING K WU <sup>1</sup>	<sup>1</sup> Department of Psychology, The George Washington University, Washington, DC, USA, <sup>2</sup> Department of Pharmacology and Physiology, The George Washington University, Washington, DC, USA	P-10-1694
P08.15	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	Specific brain response of secondary somatosensory cortex and prefrontal cortex in vibrotactile discrimination	DONGHYEOK LEE <sup>1</sup> , JUNESIC KIM <sup>1</sup> , SEOKYUN RYUN <sup>1</sup> , CHUNKEE CHUNG <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-10-1657
P08.16	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	Central neural circuits for visual object recognition in flying Drosophila	JOOWON LEE <sup>1</sup> , HAYUN PARK <sup>1</sup> , ANMO KIM <sup>1</sup>	<sup>1</sup> Department of Biomedical Engineering, Hanyang University, Seoul, Korea, Republic of	P-10-1656
P08.17	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	Catecholaminergic cochlear afferent fibers are preferentially lost in aged mouse cochlea	KWON WOO KANG <sup>1</sup> , EUNYOUNG YI <sup>1</sup>	<sup>1</sup> College of Pharmacy and Natural Medicine Research Institute Mokpo National University, Muan-gun, Jeollanam-do, Korea, Republic of	P-10-1618
P08.18	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	Moxibustion treatment alleviates atypical pain in a rat model of Pre-rheumatoid arthritis through inhibition of P2X7 receptor function	BIYU SHEN <sup>1</sup> , PINGAN ZHANG <sup>2</sup> , HAORYANG CHEN <sup>1</sup> , YUECHENG XU <sup>1</sup> , YONGCHANG LI <sup>1</sup> , YANYAN WU <sup>1</sup> , XUE XU <sup>1</sup> , HUILING LI <sup>1</sup> , GUANG-YIN XU <sup>1</sup>	<sup>1</sup> Center for Translational Pain Medicine, Institute of Neuroscience, Soochow University, Suzhou, China, <sup>2</sup> Nursing School of Soochow University, Suzhou, China	P-10-1583
P08.19	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	Single unit activity of hand and neck sensitive pallidal cells in patients with cervical dystonia	ALEXEY SEDOV <sup>1</sup> , VALENTIN POPOV <sup>2</sup> , SVETLANA USOVA <sup>1</sup> , ALEXEY TOMSKIY <sup>2</sup> , AASEF G. SHAIKH <sup>3</sup>	<sup>1</sup> Semenov Institute of Chemical Physics, Russian Academy of Sciences, Moscow, Russia, <sup>2</sup> N. N. Burdenko National Scientific and Practical Center for Neurosurgery, Moscow, Russia, <sup>3</sup> Case Western Reserve University, Cleveland, USA	P-10-1579
P08.20	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	A study of the arm movement feature visualization from non-human primate epidural electrocorticography using deep learning structure	SEOKBEEN LIM <sup>1</sup> , HOSEOK CHOI <sup>2</sup> , DONG PYO JANG <sup>1</sup>	<sup>1</sup> Department of Biomedical Engineering, Hanyang University, Seoul, Korea, Republic of, <sup>2</sup> Department of Neurology, University of California San Francisco, San Francisco, USA	P-10-1573
P08.21	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	Effects of repetitive transcranial magnetic stimulation (rTMS) combined with aerobic exercise on the recovery of motor function in ischemic stroke rat model.	JUANXIU CUI <sup>1</sup> , MINKYUN SOHN <sup>2</sup> , YEONGWOOK KIM <sup>2</sup> , CHUNGSUNG KIM <sup>2</sup> , SUNGU JEE <sup>2</sup>	<sup>1</sup> Chunnam National University, Daejeon, Korea, Republic of, <sup>2</sup> Chunnam National University, Daejeon, Korea, Republic of, <sup>3</sup> Chungnam National University College of Medicine, Daejeon, Korea, Republic of	P-10-1570
P08.22	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	Existence of internal post-ingestive salt sensing in drosophila	BYOUNG SOO KIM <sup>1</sup> , GREG S.B SUH <sup>2</sup>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of, <sup>2</sup> KAIST, Daejeon, Korea, Republic of	P-10-1565

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P08.23	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	Effect of therapeutic singing on swallowing function of patients with head and neck cancer	SEONGMOON JO <sup>1</sup> , MYUNG SUN YEO <sup>2</sup> , YOON-KYUM SHIN <sup>1</sup> , JEONGHYUN HEO <sup>3</sup> , AHREUM BAEK <sup>4</sup> , JI HEA YU <sup>1</sup> , JUNG HWA SEO <sup>5</sup> , SOOHYUN WI <sup>1</sup> , SUK-YOUNG SONG <sup>6</sup> , BAE-GEUN NAM <sup>7</sup> , SOONIL PYO <sup>8</sup> , EUNJU CHO <sup>9</sup> , SOO JI KIM <sup>1</sup> , SUNG-RAE CHO <sup>2</sup>	<sup>1</sup> Brain Korea 21 PLUS Project for Medical Science, Yonsei University, Seoul, Korea, Republic of, <sup>2</sup> Department and Research Institute of Rehabilitation Medicine, Seoul, Korea, Republic of, <sup>3</sup> Department of Music Therapy, Graduate School, Ewha Womans University, Seoul, Korea, Republic of, <sup>4</sup> Brain Korea 21 PLUS Project for Medical Science, Yonsei University, Seoul, Korea, Republic of, <sup>5</sup> Graduate Program of Nano Science and Technology, Seoul, Korea, Republic of, <sup>6</sup> Department and Rehabilitation Medicine, Yonsei University Wonju College of Medicine, Wonju, Korea, Republic of, <sup>7</sup> Music Therapy Education, Graduate School of Education, Ewha Womans University, Seoul, Korea, Republic of	P-10-1555
P08.24	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	Primary motor cortical neurons reflect visuomotor coordination during arm-reaching movements	MIN-KI KIM <sup>1</sup> , SOYOUNG CHAE <sup>1</sup> , SEONG-MIN KIM <sup>2</sup> , JEONG-WOO SOHN <sup>3</sup> , SUNG-PHIL KIM <sup>4</sup>	<sup>1</sup> Ulsan National Institute of Science and Technology, Ulsan, Korea, Republic of, <sup>2</sup> Catholic Kwandong University, Incheon, Korea, Republic of	P-10-1548
P08.25	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	Suppressive Effects of Bee Venom Derived Phospholipase A2 on Mechanical Allodynia in a Rat Model of Neuropathic Pain	SEUNGHUI WOO <sup>1</sup> , GEEHOON CHUNG <sup>2</sup> , SUN KWANG KIM <sup>2</sup>	<sup>1</sup> Department of science in Korean Medicine, Graduate School, Kyung Hee University, Seoul, Korea, Republic of, <sup>2</sup> Department of Physiology, College of Korean Medicine, Kyung Hee University, Seoul, Korea, Republic of	P-10-1546
P08.26	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	Neuronal response of mouse S1 cortex in formalin-induced biphasic spontaneous pain condition	HEERA YOON <sup>1</sup> , MYEONG SEONG BAK <sup>1</sup> , YOO RIM KIM <sup>2</sup> , SA-YOON PARK <sup>3</sup> , CHANG-EOP KIM <sup>3</sup> , GEEHOON CHUNG <sup>1</sup> , SANG JEONG KIM <sup>2</sup> , SUN KWANG KIM <sup>1</sup>	<sup>1</sup> Department of physiology, Kyung Hee university, Seoul, Korea, Republic of, <sup>2</sup> Department of physiology, Seoul national university, Seoul, Korea, Republic of, <sup>3</sup> Department of physiology, Gachon university, Gyeonggi, Korea, Republic of	P-10-1541
P08.27	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	Contribution of PMid and AS to feedback responses to mechanical disturbances of the limb in non-human primates	TOMHIKO TAKEI <sup>1</sup> , STEPHEN LOMBER <sup>2</sup> , DOUGLAS COOK <sup>3</sup> , STEPHEN SCOTT <sup>4</sup>	<sup>1</sup> Kyoto University, Kyoto, Japan, <sup>2</sup> Graduate School of Medicine/ Hakubi Center for Advanced Research, Kyoto University, Kyoto, Japan, <sup>3</sup> Department of Psychology, Western University, London, Canada, <sup>4</sup> Centre for Neuroscience Studies, Queen's University, Kingston, Canada	P-10-1540
P08.28	Grand Ballroom, 3F	Sensory and motor systems	2019.09.22 12:40	2019.09.22 14:40	Motor skill learning and movement variabilities in Parkinson's disease: a new behavioral approach for evaluating the severity of Parkinson's disease	JEH-KWANG RYU <sup>1</sup> , KYOUNG-MIN LEE <sup>1</sup> , JEE-YOUNG LEE <sup>2</sup> , SE-WOONG PARK <sup>3</sup> , JINSEOK OH <sup>4</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Seoul National University Boramee Hospital (SMG-SNU Boramee Medical Center), Seoul, Korea, Republic of, <sup>3</sup> Northeastern University, Boston, USA, <sup>4</sup> University of Minnesota, Minneapolis, USA	P-10-1534
P09.01	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Field Effect Transistor based Depression sensor development	JIYEON LEE <sup>1</sup> , OH SEOK KWON <sup>1</sup>	<sup>1</sup> Korea Research Institute of Bioscience and Biotechnology, Daejeon, Korea, Republic of	P-11-1858
P09.02	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Hippocampal neurodegeneration and behavioral deficit following short-term bilateral adrenalectomy	ABDU ADEM <sup>1</sup> , NASERDINE HAMADI <sup>2</sup> , AHLAM SAID ABI ISSA <sup>3</sup> , NAHEED AMIR <sup>4</sup> , NATHER MADJID <sup>5</sup> , OMAR GULSUM DENIZ <sup>6</sup> , SULEYMAN KAPLAN <sup>4</sup>	<sup>1</sup> United Arab Emirates University, Al Ain, United Arab Emirates, <sup>2</sup> Department of Pharmacology, College of Medicine and Health Science, United Arab Emirates University, Maqam 17666, Al Ain, United Arab Emirates, Al Ain, United Arab Emirates, <sup>3</sup> Department of Neuroscience, Karolinska Institutet, SE-171 77 Stockholm, Sweden, Stockholm, Sweden, <sup>4</sup> Department of Histology and Embryology, Medical Faculty, Ondokuz Mayıs University, 55139, Samsun, Turkey, Samsun, Turkey	P-11-1856
P09.03	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Optimization of intracranial penetration of focused ultrasound through energy efficiency analysis of various skull factors	CHANHO KONG <sup>1</sup> , JAEWOO SHIN <sup>1</sup> , YOUNG CHEOL NA <sup>2</sup> , JIYOUNG PARK <sup>3</sup> , HEE GYU BAEK <sup>1</sup> , JIN WOO CHANG <sup>1</sup> , WON SEOK CHANG <sup>1</sup>	<sup>1</sup> Department of Neurosurgery, Yonsei University College of Medicine, Seoul, Korea, Republic of, <sup>2</sup> Department of Neurosurgery, Catholic Kwandong University College of Medicine, Incheon, Korea, Republic of, <sup>3</sup> Medical Device Development Center, Daegu-Gyeongbuk Medical Innovation Foundation, Daegu, Korea, Republic of	P-11-1850
P09.04	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Grassroots Neuroscience – The Grenada Brain Bee Initiative celebrates a decade of increasing neuroscience awareness in high school students in a developing country.	GABRIELLE WALCOTT-BEDEAU <sup>1</sup> , GAIL BLACKETTE <sup>2</sup>	<sup>1</sup> St. George's University, St. George's, Grenada, <sup>2</sup> Grenada National Brain Bee Coordinator, St. George's, Grenada	P-11-1848
P09.05	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Cerebral small vessel disease (CSVD) in apparently healthy and asymptomatic individuals: from diffusion MRI, neuropsychology and micro-thrombotic microparticles profiling (one-year follow up study)	CHE MOHD NASRIL CHE MOHD NASSIR <sup>1</sup> , MAZIRA MUHAMMAD GHAZALI <sup>1</sup> , USMAN JAFFER <sup>1</sup> , MUZAIMI MUSTAPHA <sup>1</sup>	<sup>1</sup> Universiti Sains Malaysia, Kubang Kerian, Kelantan, Malaysia	P-11-1841
P09.06	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Enhancement Of Memantine Uptake In The Brain By Incorporation With Nanoparticles And Given Intranasally	MARSITA ABD RAZAK <sup>1</sup> , TOMMY JULIANTO <sup>1</sup> , ABU BAKAR ABDULL MAJEED <sup>1</sup>	<sup>1</sup> Universiti Teknologi MARA, Kuala Lumpur, Malaysia	P-11-1839
P09.07	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	A step towards demystifying sleep physiology: forward genetics approach in mice	STACI J. KIM <sup>1</sup> , CHIKA MIYOSHI <sup>1</sup> , TAKAHIRO EZAKI <sup>2</sup> , AYA IKKYU <sup>1</sup> , NORIKO HOTTA-HIRASHIMA <sup>1</sup> , SATOMI KANNO <sup>1</sup> , MIYO KAKIZAKI <sup>1</sup> , MANA YAMADA <sup>1</sup> , SHIGEHARU WAKANA <sup>3</sup> , HIROMASA FUNATO <sup>1</sup> , MASASHI YANAGISAWA <sup>1</sup>	<sup>1</sup> International Institute for Integrative Sleep Medicine (WPI-IIS), University of Tsukuba, Tsukuba, Japan, <sup>2</sup> Center for Advanced Science and Technology, The University of Tokyo, Tokyo, Japan, <sup>3</sup> Institute of Medical Research and Innovation, Kobe University, Kobe, Japan	P-11-1827
P09.08	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Immune-tolerance to cytosolic neural antigens biases the retinal environment towards a neuroprotective profile	ESPERANZA MELENDEZ HERRERA <sup>1</sup> , LORENA MARTINEZ-ALCANTAR <sup>2</sup> , DIANA KARINA TALAVERA-CARRILLO <sup>1</sup> , JONHATAN URIEL PINEDA-SALAZAR <sup>1</sup> , MIGUEL AVALOS-VIVEROS <sup>1</sup> , GABRIEL GUTIERREZ-OSPINA <sup>3</sup> , BRYAN VICTOR PHILLIPS-FARFAN <sup>3</sup> , ALMA LILIA FUENTES-FARIAS <sup>1</sup>	<sup>1</sup> Universidad Michoacana de San Nicolás de Hidalgo, Morelia, Mexico, <sup>2</sup> Universidad Nacional Autónoma de México, Ciudad de México, Mexico, <sup>3</sup> Instituto Nacional de Pediatría, Ciudad de México, Mexico	P-11-1810
P09.09	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Nd1-L as a novel stress granules (SGs) component that regulates Stress granule dynamics and associates with autophagy components	PUREUM JEON <sup>1</sup> , SANG-WON PARK <sup>2</sup> , YONG-WOO JUN <sup>1</sup> , MI-HEE JUN <sup>1</sup> , YOU-KYUNG LEE <sup>1</sup> , HA-EUN CHOI <sup>1</sup> , DEOK-JIN JANG <sup>2</sup> , JINA LEE <sup>1</sup>	<sup>1</sup> Hannam university, Daejeon, Korea, Republic of, <sup>2</sup> Kyungpook university, Sangju, Korea, Republic of	P-11-1802
P09.10	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Effects of dietary fiber supplement on gut microbiota and depressive-like behaviors in socially isolated mouse model	SEOHYEON BYEON <sup>1</sup> , MINA PARK <sup>1</sup> , DONG-MI SHIN <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-11-1792
P09.11	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Cell type-specific proteome labeling in vertebrate by engineered aminoacyl-tRNA synthetase	EUNJIN KIM <sup>1</sup> , HOSUNG JUNG <sup>1</sup>	<sup>1</sup> Yonsei University, Seoul, Korea, Republic of	P-11-1784
P09.12	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Alpha dependent effective connectivity in the default mode network of resting state MEG	JUNHO SON <sup>1</sup> , CHONGWON PAE <sup>2</sup> , JIYOUNG KANG <sup>3</sup> , JINSEOK EO <sup>1</sup> , HAE-JEONG PARK <sup>1</sup>	<sup>1</sup> BK21 PLUS Project for Medical Science, Yonsei University College of Medicine, Seoul, Korea, Republic of, <sup>2</sup> Department of Nuclear Medicine, Yonsei University College of Medicine, Seoul, Korea, Republic of, <sup>3</sup> Center for Systems and Translational Brain Science, Institute of Human Complexity and Systems Science, Yonsei University, Seoul, Korea, Republic of	P-11-1783
P09.13	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Brain artery segmentation using MP2RAGE images at 7T MRI	UK-SU CHOI <sup>1</sup> , HIROKAZU KAWAGUCHI <sup>2</sup> , TOBIAS KOBER <sup>3</sup> , IKUHIRO KIDA <sup>4</sup>	<sup>1</sup> Center for Information and Neural Networks, NICT, Osaka, Japan, <sup>2</sup> Siemens Healthcare K.K., Osaka, Japan, <sup>3</sup> Advanced Clinical Imaging Technology, Siemens Healthcare AG, Lausanne, Switzerland	P-11-1778
P09.14	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	The role of PVN CRF neurons in mediating the detection of the nutritional value of sugar	WONGYO JUNG <sup>1</sup> , JINEUN KIM <sup>1</sup> , GREG SUH <sup>1</sup>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of	P-11-1753
P09.15	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Intra-arterial Delivery and Efficient Engraftment of Mesenchymal Stem Cells in a Rat Chronic Stroke Model	DA RONG JO <sup>1</sup> , GYU-HEE KIM <sup>1</sup> , DA-YOUNG CHANG <sup>1</sup> , JEONG SEON YOON <sup>1</sup> , SUNG-SOO KIM <sup>1</sup> , HAEYOUNG SUH-KIM <sup>1</sup>	<sup>1</sup> Department of Biomedical Sciences, Graduate School of Aju University, Suwon, Korea, Republic of	P-11-1737
P09.16	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Interspecies cortical registration between macaque and human using functional network property under a spherical demons framework	HAEWON NAM <sup>1</sup> , HAE-JEONG PARK <sup>2</sup>	<sup>1</sup> Hongik University, Sejong, Korea, Republic of, <sup>2</sup> Department of Nuclear Medicine, Yonsei University College of Medicine, Seoul, Korea, Republic of	P-11-1734
P09.17	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Comprehensive connectivity and molecular profiles of the subthalamic nucleus	HOJIN LEE <sup>1</sup> , HYUNJUN JEON <sup>1</sup> , JIWOON KIM <sup>1</sup> , WON CHAN OH <sup>1</sup> , LINGDONG FENG <sup>1</sup> , JINHYUN KIM <sup>1</sup> , JINHYUN KIM <sup>1</sup>	<sup>1</sup> Korea Institute of science and technology, Seoul, Korea, Republic of	P-11-1728
P09.18	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Genetic associations of clock gene with longitudinal sleep characteristic changes and brain volume in Korea genome epidemiology study	HYANG WOON LEE <sup>1</sup> , SONG E KIM <sup>1</sup> , HYEON JIN KIM <sup>1</sup> , SORIL KIM <sup>2</sup> , REGINA EY KIM <sup>2</sup> , SOL AH KIM <sup>1</sup> , SELUNGU LEE <sup>1</sup> , CHOL SHIN <sup>1</sup>	<sup>1</sup> Ewha Womans University, Seoul, Korea, Republic of, <sup>2</sup> Institute of Human Genome Study, College of Medicine, Korea University, Ansan, Korea, Republic of	P-11-1695
P09.19	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Neuronal activation can modulate enhancer activity through de novo DNA methylation	TOMONORI KAMEDA <sup>1</sup> , TAKUYA IMAMURA <sup>1</sup> , TAKUMI TAKIZAWA <sup>1</sup> , FUMIHIITO MIURA <sup>1</sup> , TAKASHI ITO <sup>1</sup> , KINICHI NAKASHIMA <sup>1</sup>	<sup>1</sup> Kyushu University, Fukuoka, Japan, <sup>2</sup> Gurma University, Gurma, Japan	P-11-1687
P09.20	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Acupuncture alleviates chronic pain and comorbid conditions by regulating DNA methylation in the prefrontal cortex of a mouse model of neuropathic pain	JAE-HWAN JANG <sup>1</sup> , EUN-MO SONG <sup>2</sup> , SORA AHN <sup>1</sup> , JU-YOUNG OH <sup>1</sup> , TAE-YEON HWANG <sup>1</sup> , MI-YEUN SONG <sup>2</sup> , HI-JOON PARK <sup>1</sup>	<sup>1</sup> Department of Korean Medical Science, Graduate School of Korean Medicine, Kyung Hee University, Seoul, Korea, Republic of, <sup>2</sup> Department of Physical Medicine and Rehabilitation, Graduate School of Korean Medicine, Kyung Hee University, Seoul, Korea, Republic of	P-11-1686
P09.21	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Ablation of NMDA receptor in the brain endothelial cells induces histopathological signs of neurodegenerative diseases	DO-GEUN KIM <sup>1</sup> , CHAN HEE LEE <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of	P-11-1675
P09.22	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	The protein – protein interaction between SQSTM1 and Tau through distinct domain	CHAE EUN KIM <sup>1</sup> , SONG MI HAN <sup>1</sup> , SUN AH PARK <sup>2</sup>	<sup>1</sup> Neuroscience Graduate Program, Department of Biomedical Sciences, Aju University Graduate School of Medicine, Suwon, Korea, Republic of, <sup>2</sup> Aju University School of Medicine, Suwon, Korea, Republic of	P-11-1673
P09.23	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Semaphorin 3E signaling ameliorates the brain vasculature remodeling after ischemic stroke	RI YU <sup>1</sup> , YAN LI <sup>1</sup> , NAM-SUK KIM <sup>1</sup> , JIN-YOUNG JEONG <sup>1</sup> , WON-JONG OH <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of	P-11-1666
P09.24	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Pathophysiological disease modeling for the complex regional pain syndrome by tibial fracture in laboratory animals	EUL SIG CHOI <sup>1</sup> , JI HYE PARK <sup>1</sup> , MI JUNG HAN <sup>1</sup> , RONGHUA YUAN <sup>2</sup> , YIN YI XIONG <sup>2</sup> , SEOUL LEE <sup>1</sup>	<sup>1</sup> Department of Pharmacology and Working Brain Research Institute, Wonkwang University School of Medicine, Iksan, Korea, Republic of, <sup>2</sup> Department of Pharmacology, Wonkwang University School of Medicine, Iksan, Korea, Republic of	P-11-1665
P09.25	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Comparison of cerebrospinal fluid biomarkers of Alzheimer's disease with commercial kits	KYUNGHUN KANG <sup>1</sup> , SANG YUN KIM <sup>2</sup> , HO-WON LEE <sup>1</sup> , PANWOO KO <sup>1</sup>	<sup>1</sup> Department of Neurology, Kyungpook National University Chilgok Hospital, Daegu, Korea, Republic of, <sup>2</sup> Department of Neurology, Seoul National University Bundang Hospital, Seongnam, Korea, Republic of	P-11-1655
P09.26	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	HDAC6 selective inhibitor, Tubastatin A protects Blood-Brain Barrier against the methamphetamine abuse	JONG SU HWANG <sup>1</sup> , EUN HYE CHA <sup>1</sup>	<sup>1</sup> Keimyung university, Daegu, Korea, Republic of	P-11-1650
P09.27	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Exogenous transcription factor in Müller glia enhances damage-induced neurogenesis in mouse retina	EUN JUNG LEE <sup>1</sup> , JUN WOO PARK <sup>1</sup> , JIN WOO KIM <sup>1</sup>	<sup>1</sup> Department of Biological Sciences, Korea Advanced Institute of Science and Technology (KAIST), Daejeon 34141, Korea, Republic of	P-11-1642
P09.28	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	TNF $\alpha$ receptor-associated factor 6 (TRAF6) enhances tau clearance through the interaction with sequestosome-1/p62	SONG MI HAN <sup>1</sup> , CHAE EUN KIM <sup>1</sup> , SUE MIN KIM <sup>1</sup> , SUN AH PARK <sup>2</sup>	<sup>1</sup> Neuroscience Graduate Program, Department of Biomedical Sciences, Aju University Graduate School of Medicine, Suwon, Korea, Republic of, <sup>2</sup> Aju university School of Medicine, Suwon, Korea, Republic of	P-11-1637
P09.29	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Changed Expression of the P2X7 Receptor during Blood-Brain Barrier Opening by Focused Ultrasound.	JIYEON SIM <sup>1</sup> , JAEWOO SHIN <sup>1</sup> , CHANHO KONG <sup>1</sup> , JIHYEON LEE <sup>1</sup> , YOUNG CHEOL NA <sup>2</sup> , WON SEOK CHANG <sup>1</sup> , JIN WOO CHANG <sup>1</sup>	<sup>1</sup> Department of Neurosurgery, Yonsei University College of Medicine, Seoul, Korea, Republic of, <sup>2</sup> Department of Neurosurgery, Catholic Kwandong University College of Medicine, Incheon Metropolitan City, Korea, Republic of	P-11-1634
P09.30	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Trifluoperazine-induced exosomal gene expression profiles serve as predictive drug response biomarkers for glioblastoma	SEOKMIN KANG <sup>1</sup> , KUNHYUNG KIM <sup>1</sup> , JUHYUN KIM <sup>1</sup> , SANG SOO KANG <sup>2</sup> , MYUNGJIN KIM <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of, <sup>2</sup> Gyeongang Sang National University, Jinju, Korea, Republic of	P-11-1628
P09.31	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Morphological properties of cholinergic neurons in the hippocampus of transgenic ChAT-Cre mice	ANDRES CARRASCO <sup>1</sup> , JEFFREY WICKENS <sup>1</sup>	<sup>1</sup> Okinawa Institute of Science and Technology, Okinawa, Japan	P-11-1608

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P09.32	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	The kainate receptor subunit GluK2 interacts with KCC2 to promote dendritic spine formation	SEBNEM KESAP <sup>1</sup> , STANISLAV KHIRUG <sup>1</sup> , EMLIE DINH <sup>2</sup> , MARTA SAEZ GARCIA <sup>1</sup> , TOMI TAIRA <sup>1</sup> , SARI LAURI <sup>1</sup> , CLAUDIO RIVERA BAEZA <sup>1</sup>	<sup>1</sup> University of Helsinki, Helsinki, Finland, <sup>2</sup> Developmental Biology Institute of Marseille, Marseille, France	P-11-1585
P09.33	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	A novel <i>PRRT2</i> pathogenic variant in a family with Paroxysmal Kinesigenic Dyskinesia	JIALINZI HE <sup>1</sup> , LILI LONG <sup>1</sup>	<sup>1</sup> XiangYa hospital, ChangSha, China	P-11-1550
P09.34	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Transdifferentiation of reactive astrocytes into functional neurons causes motor recovery after spinal cord injury	HEEYOUNG AN <sup>1</sup> , HYE-LAN LEE <sup>1</sup> , DOO-WAN CHO <sup>1</sup> , JINPYO HONG <sup>2</sup> , HYE YEONG LEE <sup>3</sup> , JUNMOO LEE <sup>1</sup> , JUNSHUN WOO <sup>2</sup> , JAEKWANG LEE <sup>1</sup> , MINGU PARK <sup>1</sup> , YOUNG-SU YANG <sup>1</sup> , SU-CHEOL HAN <sup>1</sup> , YOON HA <sup>3</sup> , C. JUSTIN LEE <sup>2</sup>	<sup>1</sup> KU-KIST Graduate School of Converging Science and Technology, Korea University, Seoul 2 Center for Cognition and Sociality, Institute for Basic Science (IBS), Daejeon, Korea, Republic of, <sup>2</sup> Center for Cognition and Sociality, Institute for Basic Science (IBS), Daejeon, Korea, Republic of, <sup>3</sup> Spine & Spinal Cord Institute, Department of Neurosurgery, College of Medicine, Yonsei University, Seoul, Korea, Republic of, <sup>4</sup> Jeonbuk Department of Inhalation Research, Korea Institute of Toxicology, Jeongeup, Korea, Republic of, <sup>5</sup> Center for Glia-Neuron Interaction, Korea Institute of Science and Technology (KIST), Seoul, Korea, Republic of, <sup>6</sup> Spine & Spinal Cord Institute, Department of Neurosurgery, College of Medicine, Yonsei University, Seoul, Korea, Republic of	P-11-1533
P09.35	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Comparison between brain sub-networks decomposed by auto encoder (AE) and graph auto encoder (GAE) with non-negative weight constraints and sparse encoding	PILSUB LEE <sup>1</sup> , MYUNGWON CHO <sup>1</sup> , DAEGYEOM KIM <sup>1</sup> , SUJUN LEE <sup>1</sup> , HYUNCHUL YOON <sup>1</sup> , HYUN - GHANG JEONG <sup>3</sup> , CHEOL E HAN <sup>1</sup>	<sup>1</sup> Department of Electronics and Information Engineering, Korea University, Sejong, Korea, Republic of, <sup>2</sup> Department of Biomedical Sciences, Korea University Graduate School, Seoul, Korea, Republic of, <sup>3</sup> Department of Psychiatry, Korea University College of Medicine, Seoul, Korea, Republic of	P-11-1531
P09.36	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	ZnR/GPR39-mediated human salivary secretion	YOON-JUNG KIM <sup>1</sup> , YOO-HWA CHO <sup>2</sup> , HEE-KYUNG PARK <sup>1</sup> , SE-YOUNG CHOI <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Seoul National University, Seoul, Korea, Republic of	P-11-1519
P09.37	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	CDK5/Dp1-mediated abnormal mitochondrial dynamics in streptozotocin (STZ)-induced hippocampal HT-22 cells	JUNGHYUNG PARK <sup>1</sup> , JINYOUNG WON <sup>1</sup> , JINCHOL SEO <sup>1</sup> , HYEON-GU YEO <sup>1</sup> , KEONWOO KIM <sup>1</sup> , CHANG-YEOP JEON <sup>1</sup> , YOUNGJEON LEE <sup>1</sup>	<sup>1</sup> Korea Research Institute of Bioscience and Biotechnology (KRIBB), Cheongju, Korea, Republic of	P-11-1513
P09.38	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Compositions for Transplantation by RF Absorber with Photosensitizer for Brain Tumors and Cancer Treatment	EUN SEONG KIM <sup>1</sup> , ALEXANDROVICH PUGACHEVSKI <sup>2</sup> , NAM YOUNG KIM <sup>1</sup>	<sup>1</sup> Kwangwon University, RFIC Lab, Seoul, Korea, Republic of, <sup>2</sup> Southwest State University, Kursk, Russia	P-11-1505
P09.39	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	Inflammatory factor A contributes to PD pathogenesis.	MINSUN CHOI <sup>1</sup> , TAE-KYUNG KIM <sup>2</sup> , SEUNG-JAE LEE <sup>1</sup>	<sup>1</sup> Seoul National University College of Medicine, Seoul, Korea, Republic of, <sup>2</sup> Seoul National University College of Medicine, Seoul, Korea, Republic of	P-11-1485
P09.40	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	A new psychoactive substance, 25C-NBF, exhibits abuse potential and induce motor and memory impairment in rodents	SEONG-EON KIM <sup>1</sup> , KWANG-HYUN HUR <sup>1</sup> , BO-RAM LEE <sup>1</sup> , SEON-KYUNG KIM <sup>1</sup> , YONG-SUP LEE <sup>2</sup> , HYOUNG-CHUN KIM <sup>1</sup> , SEOK-YONG LEE <sup>1</sup> , CHOO-GON JANG <sup>1</sup>	<sup>1</sup> Sungkyunkwan University, Suwon, Korea, Republic of, <sup>2</sup> Kyung Hee University, Seoul, Korea, Republic of, <sup>3</sup> Gangwon National University, Chuncheon, Korea, Republic of	P-11-1484
P09.41	Grand Ballroom, 3F	Others	2019.09.22 12:40	2019.09.22 14:40	The TGF-beta induced muscle fibrosis and wasting in myoblast as in ALS mouse might be inhibited by pirfenidone	DO-YEON LEE <sup>1</sup> , JUNG-JOON SUNG <sup>2</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Seoul National University Hospital, Seoul, Korea, Republic of	P-11-1879
P10.01	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	The Effect of Oral Administration of Ethanol Fruit Extract of Phoenix dactylifera (Date Palm) on the Histology of Cerebellum of Adult Wistar Rats	NKEREUEM ETEUDO <sup>1</sup> , CHARLES CHIBUOYIM <sup>1</sup> , ABEL AGBON <sup>3</sup>	<sup>1</sup> Ebonyi State University Abakaliki, Abakaliki, Nigeria, <sup>2</sup> Anatomy Department, Faculty of Basic Medical Science Ahmadu Bello University Zaria, Zaria, Nigeria, <sup>3</sup> Anatomy Department, Faculty of Basic Medical Science Ahmadu Bello University Zaria, Zaria, Nigeria	P-01-0545
P10.02	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Effect of resveratrol supplementation on arsenic trioxide-induced adverse effects on female mice hippocampus	KAMAKSHI MEHTA <sup>1</sup> , BALPREET KAUR <sup>1</sup> , KAMLESH PANDHEY <sup>1</sup> , PUSHPA DHAR <sup>1</sup> , PUSHPA DHAR <sup>1</sup>	<sup>1</sup> All India Institute of Medical Sciences, New Delhi, India	P-01-0546
P10.03	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Role of curcumin on arsenic trioxide induced effects in basal forebrain of mice.	BALPREET KAUR <sup>1</sup> , KAMAKSHI MEHTA <sup>1</sup> , KAMLESH KUMAR PANDHEY <sup>1</sup> , PUSHPA DHAR <sup>1</sup>	<sup>1</sup> All India Institute of Medical Sciences, New Delhi, India	P-01-0554
P10.04	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	An integrative and comprehensive systems biology-based view regarding the genetic basis of impulsivity	ALI BOZORGMEHR <sup>1</sup> , ALI SHAHBAZI <sup>1</sup>	<sup>1</sup> Iran University of Medical Sciences, Faculty of Advanced Technologies in Medicine, Department of Neuroscience, Tehran, Iran	P-01-0562
P10.05	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	The impact of gallic acid on BDNF and Nrf-2 expression in the frontal cortex of a rat model of ADHD	ISMAEL BEN-JILIAH <sup>1</sup>	<sup>1</sup> Department of Physiology, College of Medicine, King Khalid University, Abha, Asseer, Saudi Arabia	P-01-0572
P10.06	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Clusters composed of similar items can act as representational units of visual working memory	SANG CHUL CHONG <sup>1</sup> , GAEUN SON <sup>1</sup> , BYUNG-IL OH <sup>1</sup> , MIN-SUK KANG <sup>2</sup>	<sup>1</sup> Yonsei University, Seoul, Korea, Republic of, <sup>2</sup> Sungkyunkwan University, Seoul, Korea, Republic of	P-01-0576
P10.07	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Clomipramine improves lipopolysaccharide-induced depressive-like behavior by regulating ASC-mediated expression of microglial IDO	QIONG LIU <sup>1</sup> , SHANSHAN ZHANG <sup>1</sup>	<sup>1</sup> Department of Anatomy, Histology and Embryology, School of Basic Medical Sciences, Fudan University, Shanghai, China	P-01-0577
P10.08	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	The study of the behaviour, the hippocampus and cerebellar cortex of adult Wistar rats exposed to lead and treatment with <i>Psidium guajava</i> leaf extract.	ILYASU MUSA OMOYINE <sup>1</sup> , IBEGBU AUGUSTINE O. <sup>2</sup> , SAMBO JAMES S. <sup>3</sup> , MUSA SUNDAY A. <sup>4</sup> , AKPULU PETER S. <sup>4</sup> , ANIMOKU ABDULRAZAO A. <sup>1</sup> , MUSA MUSTAPHA <sup>4</sup>	<sup>1</sup> Department of Anatomy, Faculty of Basic Medical Sciences, Kogi State University, Anyigba, Nigeria, <sup>2</sup> Department of Anatomy, Faculty of Basic Medical Sciences, Federal University Ndufu-Alike, Abakaliki, Nigeria, <sup>3</sup> Department of Veterinary Pathology, Faculty of Veterinary Medicine, Ahmadu Bello University, Zaria, Nigeria, <sup>4</sup> Department of Human Anatomy, Faculty of Basic Medical Sciences, College of Health Sciences, Ahmadu Bello University, Zaria, Nigeria	P-01-0581
P10.09	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Functional left/right hippocampal asymmetry and split-brain in forming short/long-term memory	YUKITOSHI SAKAGUCHI <sup>1</sup> , YOSHIO SAKURAI <sup>1</sup>	<sup>1</sup> Doshisha University, Kyotanabe-shi, Japan	P-01-0583
P10.10	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Effects of prenatal methamphetamine exposure on neurobehavioral functions in adolescent and adult mice	HATTAYA BENYA-APHKUL <sup>1</sup> , THONGCHAI SOOKSAWAT <sup>1</sup> , RATCHANEER RODSIRI <sup>1</sup>	<sup>1</sup> Department of Pharmacology and Physiology, Faculty of Pharmaceutical Sciences, Chulalongkorn University, Bangkok, Thailand	P-01-0589
P10.11	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Evaluation of anxious behavior and social cognition in an early Alzheimer's disease mice model	MAR PACHECO-HERRERO <sup>1</sup> , ERNESTINA CASTRO-SALAZAR <sup>2</sup> , FRANCISCO ROS-BERNAL <sup>3</sup> , FRANCISCO OLUCHA-BORDONA <sup>4</sup>	<sup>1</sup> Pontificia Universidad Católica Madre y Maestra, Santiago de los Caballeros, Dominican Republic, <sup>2</sup> Universitat Jaume I, Castellon, Spain	P-01-0597
P10.12	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Anterior cingulate cortex and its input to the basolateral amygdala control innate fear response	MIN SOO KANG <sup>1</sup> , JINHO JHANG <sup>1</sup> , HYOEUN LEE <sup>1</sup> , HAN-SOL LEE <sup>1</sup> , HYUNGU PARK <sup>2</sup> , JIN-HEE HAN <sup>1</sup>	<sup>1</sup> Department of Biological Sciences, KAIST Institute for the BioCentury (IBIC), Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea, Republic of, <sup>2</sup> Department of Structure & Function of Neural Network, Korea Brain Research Institute (KBRI), Daegu, Korea, Republic of	P-01-0600
P10.13	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Spatial memory deficits caused by reduced inhibitory synaptic function in Shank2 mutant mice.	MD ARIFUL ISLAM <sup>1</sup> , JUNE-HYUN JEONG <sup>1</sup> , JIHAE OH <sup>1</sup> , HYOPIK KIM <sup>1</sup> , CHAE-SEOK LIM <sup>1</sup> , NAM-KYUNG YU <sup>1</sup> , TAEHYUN KIM <sup>1</sup> , HYOUNG-GON KO <sup>2</sup> , TAESUNG PARK <sup>1</sup> , JUNGSOO GIM <sup>1</sup> , STEPHANIE WEGENER <sup>3</sup> , DIETMAR SCHMITZ <sup>2</sup> , TOBIAS M. BOECKERS <sup>3</sup> , MIN GOO LEE <sup>1</sup> , EUNJOON KIM <sup>1</sup> , JAE-HYUNG LEE <sup>1</sup> , SUNG HEE BAEK <sup>1</sup> , BONG-KILUM KAANG <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Wonkwang University, Iksan, Korea, Republic of, <sup>3</sup> Scipps Research Institute, Florida, USA, <sup>4</sup> MIT, Boston, USA, <sup>5</sup> Kyung puk national university, Daegu, Korea, Republic of, <sup>6</sup> Charité, Berlin, Germany, <sup>7</sup> Ulm University, Ulm, Germany, <sup>8</sup> Yonsei University, Seoul, Korea, Republic of, <sup>9</sup> KAIST, Daejeon, Korea, Republic of, <sup>10</sup> Kyung Hee University, Seoul, Korea, Republic of	P-01-0611
P10.14	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Knockdown of butyrylcholinesterase in the hippocampal ca1 strengthen contextual fear memory	ZHENGDONG LIN <sup>1</sup> , SI CHEN <sup>1</sup> , KAI-LENG TAN <sup>1</sup> , WEN TAN <sup>1</sup>	<sup>1</sup> Guangdong University of Technology, Guangzhou, China	P-01-0618
P10.15	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Recreational Drug Use and Cognitive Abilities	ADNAN LEVENT <sup>1</sup> , EDDY DAVELAAR <sup>2</sup>	<sup>1</sup> Birkbeck University, London, UK, <sup>2</sup> Birkbeck University, London, UK	P-01-0621
P10.16	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Neural circuit and molecular mechanisms of social hierarchy	TAE-YONG CHOI <sup>1</sup> , BYUNGSOO KANG <sup>2</sup> , YUN HA JEONG <sup>1</sup> , JEONG SEOP KIM <sup>1</sup> , HYOUNGSEOK JEON <sup>1</sup> , SE JIN JEONG <sup>1</sup> , MURIM CHOI <sup>1</sup> , JA WOOK KOO <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute (KBRI), Daegu, Korea, Republic of, <sup>2</sup> SYRFOFT R&D Center, Daegu, Korea, Republic of, <sup>3</sup> Daegu Gyeongbuk Institute of Science and Technology (DGIST), Daegu, Korea, Republic of, <sup>4</sup> Seoul National University College of Medicine, Seoul, Korea, Republic of	P-01-0623
P10.17	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Altered neural processing of monetary punishment in individuals with depressive disorders	YOONJI IRENE LEE <sup>1</sup> , SUSAN PARK <sup>1</sup> , YOO-BIN CHOI <sup>1</sup> , JONG MOON CHOI <sup>1</sup> , SOO-HEE CHOI <sup>1</sup> , JOON HWAN JANG <sup>2</sup>	<sup>1</sup> Seoul National University Hospital, Seoul, Korea, Republic of, <sup>2</sup> Seoul National University College of Medicine, Seoul, Korea, Republic of, <sup>3</sup> Korea University, Seoul, Korea, Republic of, <sup>4</sup> Seoul National University College of Medicine and Institute of Human Behavioral Medicine, Seoul, Korea, Republic of	P-01-0625
P10.18	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Prefrontal asymmetry during cognitive tasks in depression and its relationship to suicide ideation: a functional Near-Infrared Spectroscopy (fNIRS) study	SEUNG YEON BAK <sup>1</sup> , JEONG-YOUN KIM <sup>2</sup> , SEUNG-HWAN LEE <sup>2</sup>	<sup>1</sup> Clinical emotion and cognition research laboratory, Iksan, Korea, Republic of, <sup>2</sup> Ilsan Paik Hospital, Inje University College of Medicine, Iksan, Korea, Republic of, <sup>3</sup> Clinical Emotion and Cognition Research Laboratory, Iksan, Korea, Republic of	P-01-0629
P10.19	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Effects of Dominant/Subordinate Social Status on acute pain perception	SOOMAYEH HEYSIEATTALAB <sup>1</sup> , FATEMEH BAGHERI <sup>2</sup> , EMAD KHALILZADEH <sup>1</sup> , MAHDI DOLATYARI <sup>3</sup> , SOOMAYEH HEYSIEATTALAB <sup>4</sup>	<sup>1</sup> University of Tabriz, Tabriz, Iran, <sup>2</sup> Department of Psychology, Faculty of Education and Psychology, University of Tabriz, Tabriz, Iran, <sup>3</sup> Tabriz, Iran, <sup>4</sup> 2Division of Physiology, Department of Basic Sciences, Faculty of Veterinary Medicine, University of Tabriz, Tabriz, Iran, <sup>5</sup> Division of Cognitive Neuroscience, Faculty of Education and Psychology, University of Tabriz, Tabriz, Iran, <sup>6</sup> Tabriz, Iran	P-01-0634
P10.20	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Negativity bias-related cortical representations in facial emotion perception	GAYOUNG KIM <sup>1</sup> , SUE-HYUN LEE <sup>1,2</sup>	<sup>1</sup> Department of Bio and Brain Engineering, Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Republic of Korea, <sup>2</sup> Program of Brain and Cognitive Engineering, Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Republic of Korea	P-01-0647
P10.21	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	A novel cortico-intrathalamic circuit for flight behavior	HAO WANG <sup>1</sup> , PING DONG <sup>1</sup> , XIAO-MING LI <sup>1</sup>	<sup>1</sup> Center for Neuroscience and Department of Neurology of Second Affiliated Hospital, Zhejiang University School of Medicine, Hangzhou, China	P-01-0664
P10.22	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Impaired behavioral flexibility and associative memory after experimental stroke	LIN KOOI ONG <sup>1</sup>	<sup>1</sup> The University of Newcastle, Callaghan, NSW, Australia	P-01-0666
P10.23	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Chronic Administration of Hexane Fruit Extract of <i>Persia americana</i> Mill Improves Cognitive Deficit in Mice	NUHU MOHAMMED DANJUMA <sup>1</sup> , JAMILU YA'U <sup>2</sup> , HAMZA AKWU NANAMATA <sup>2</sup>	<sup>1</sup> Ahmadu Bello University Zaria Nigeria, Zaria, Nigeria, <sup>2</sup> Ahmadu Bello University Zaria, Zaria, Nigeria	P-01-0670
P10.24	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Does Pavlovian conditioning occur in a realistic environment?	PETER ZAMBETTI <sup>1</sup> , JEANSOK KIM <sup>2</sup>	<sup>1</sup> University of Washington, Seattle, USA, <sup>2</sup> University of Washington, Seattle, USA	P-01-0673
P10.25	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	The effects of delayed visual feedback on sitting balance in healthy subjects	ABDUL CHALIK MEDIAN <sup>1</sup> , HIRO TAKEMURA <sup>2</sup> , KAZU AMIMOTO <sup>2</sup> , KOJUTA SAWA <sup>2</sup>	<sup>1</sup> Tokyo Metropolitan University, Jakarta, Indonesia, <sup>2</sup> Tokyo Metropolitan University, Tokyo, Japan	P-01-0676
P10.26	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Odor similarity may encode in very early olfactory processing	JISUB BAE <sup>1</sup> , KWANGSU KIM <sup>1</sup> , SUN-AE MOON <sup>1</sup> , WON-SEOK KANG <sup>1</sup> , CHEIL MOON <sup>1</sup>	<sup>1</sup> DGIST, daegu, Korea, Republic of	P-01-0691
P10.27	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Essential oil fragrances positively affect menopausal depressive and anxiety symptoms: An EEG study for mid-life women	SUN AE MOON <sup>1</sup> , JISUB BAE <sup>1</sup> , KWANGSU KIM <sup>1</sup> , SI YOUNG CHO <sup>1</sup> , GUSANG KWON <sup>2</sup> , RAN LEE <sup>2</sup> , SEUNGHO KO <sup>2</sup> , SOYEON LIM <sup>2</sup> , CHEIL MOON <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of, <sup>2</sup> AMOREPACIFIC R&D Unit, Gyeonggi-Do, Korea, Republic of	P-01-0692
P10.28	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Pre-clinical pain model: conceptualisation of a behavioral test battery	NIDHI GOSWAMI <sup>1</sup> , ALEEM MOHD <sup>1</sup> , KAILASH MANDA <sup>1</sup>	<sup>1</sup> Institute of Nuclear Medicine and Allied Sciences (INMAS), DRDO, Delhi, India	P-01-0706
P10.29	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Early changes in the hippocampal neurogenesis, neuroinflammation, and behavioral functions following mild traumatic brain injury	ALEEM MOHD <sup>1</sup> , NIDHI GOSWAMI <sup>1</sup> , KAILASH MANDA <sup>1</sup>	<sup>1</sup> Institute of Nuclear Medicine and Allied Sciences (INMAS), DRDO, Delhi, India	P-01-0707
P10.30	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	A Real-time fMRI-based Neurofeedback System for Rehabilitation of Depressive Symptoms	ISHANI THAKKAR <sup>1</sup> , MOHIT RANA <sup>2</sup> , CESAR SALINAS <sup>3</sup> , CLAUDIO SILVA <sup>3</sup> , CLAUDIA BRETT <sup>1</sup> , JAIME PEREIRA <sup>1</sup> , RANGANATHA SITARAM <sup>1</sup> , SERGIO RUIZ <sup>1</sup>	<sup>1</sup> Pontificia Universidad Católica de Chile, Santiago, Chile, <sup>2</sup> University of Tübingen, Tübingen, Germany, <sup>3</sup> Clinica Alemana de Santiago, Santiago, Chile	P-01-0715

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P10.31	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Differential engagements of somatostatin- and parvalbumin-expressing neurons in flexible representation of task variables in rodent prefrontal cortex	HUJEONG JEONG <sup>1,2</sup> , DOHOUNG KIM <sup>1,3</sup> , MIN WHAN JUNG <sup>1,2,3</sup>	<sup>1</sup> Center for Synaptic Brain Dysfunctions, Institute for Basic Science, Daejeon 34141, Korea, <sup>2</sup> Department of Biological Sciences, Korea Advanced Institute of Science and Technology, Daejeon 34141, Korea, <sup>3</sup> Graduate School of Medical Science and Engineering, Korea Advanced Institute of Science and Technology, Daejeon 34141, Korea	P-01-0719
P10.32	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Auditory steady-state responses and the complex information processing	INGA GRISOVA-BULANOVA <sup>1</sup> , ALEKSANDRAS VOICKAS <sup>1</sup> , EVALDAS PIPINIS <sup>1</sup> , VYKINTA PARCIAUSKAITE <sup>1</sup> , MINDAUGAS POTAPOVAS <sup>1</sup> , VYTAUTAS JURKUVENAS <sup>1</sup>	<sup>1</sup> Vilnius University, Vilnius, Lithuania	P-01-0720
P10.33	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Somatic marker influences a decision making under uncertainty	JAE JOONG KIM <sup>1</sup> , BUMSEOK JEONG <sup>1</sup>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of	P-01-0724
P10.34	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Early olfactory event related potential can represent odor habituation	KWANGSU KIM <sup>1</sup> , JISUB BAE <sup>1</sup> , CHEIL MOON <sup>1</sup>	<sup>1</sup> DGIST, daegu, Korea, Republic of	P-01-0728
P10.35	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	A study of visual-olfactory interactions using context-related smell	JEEWON LEE <sup>1</sup> , KWANGSU KIM <sup>1</sup> , JISUB BAE <sup>1</sup> , CHEIL MOON <sup>1</sup>	<sup>1</sup> DGIST, daegu, Korea, Republic of	P-01-0733
P10.36	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Strengthened connections between engrams encode specific memories	DONG IL CHOI <sup>1</sup> , JUN-HYEOK CHOI <sup>1</sup> , SU-EON SIM <sup>1</sup> , JHIL KIM <sup>1</sup> , JIHAE OH <sup>1</sup> , SANGHYUN YE <sup>1</sup> , JAEHYUN LEE <sup>1</sup> , TAEHYUN KIM <sup>1</sup> , HYOUNG-GON KO <sup>1</sup> , CHAE-SEOK LIM <sup>1</sup> , HOONWON LEE <sup>1</sup> , BONG-KIUN KAANG <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-01-0747
P10.37	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Context discrimination is impaired by CaMKII $\alpha$ overexpression	JOOYOUNG KIM <sup>1</sup> , SANGHYUN YE <sup>1</sup> , JHIL KIM <sup>1</sup> , BONG-KIUN KAANG <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-01-0748
P10.38	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	A role of midbrain dopamine neurons in negative punishment	CONSTANCE PENG <sup>1</sup> , PHILIP JEAN-RICHARD DIT BRESSEL <sup>1</sup> , GAVAN MCNALLY <sup>1</sup>	<sup>1</sup> University of New South Wales, Sydney, Australia	P-01-0749
P10.39	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	CREB-binding protein (CBP) phosphorylation by Protein kinase M zeta (PKMzeta) in nucleus as a mechanism of memory maintenance	DAEHEE HAN <sup>1</sup> , JUN-YEONG BEAK <sup>1</sup> , BONG-KIUN KAANG <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-01-0754
P10.40	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Insulin rescues memory impairment caused by the increased 5-HT content in the central nervous system in <i>Lymanea</i>	YUKI TOTANI <sup>1</sup> , HITOSHI AONUMA <sup>2</sup> , JUNKO NAKAI <sup>1</sup> , ETSURO ITO <sup>1</sup>	<sup>1</sup> Department of Biology, Waseda University, Tokyo, Japan, <sup>2</sup> Research Institute for Electronic Science, Hokkaido University, Hokkaido, Japan	P-01-0759
P10.41	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Deep neural networks process similar facial features compared to humans in facial expression recognition	HYUNJUN MOON <sup>1</sup> , BJORN BROWATZKI <sup>1</sup> , CAROLINE BLAIS <sup>2</sup> , CHRISTIAN WALLRAVEN <sup>1</sup>	<sup>1</sup> Korea University, Seoul, Korea, Republic of, <sup>2</sup> Quebec University, Gatineau, Canada	P-01-0765
P10.42	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Mechanism of Nicotine-Induced Conditioned Place Preference through Dopamine D2 Receptor Signaling	GOFARANA WILAR <sup>1</sup> , KOHJI FUKUNAGA <sup>1</sup>	<sup>1</sup> Department Pharmacology, Graduate School of Pharmaceutical Sciences, Tohoku University, Sendai, Japan	P-01-0769
P10.43	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Relationship between the neural response to face stimuli and the clinical severity in children with autism spectrum disorder	NUTTHIDA PHANCHANA <sup>1</sup> , NAIPHINICH KOTCHABHAKDI <sup>1</sup> , NUANCHAN CHUTABHAKDIKUL <sup>1</sup> , VORASITH SIRIPORNPIANCHI <sup>1</sup>	<sup>1</sup> Research Center for Neuroscience, Institute of Molecular Biosciences, Mahidol University, Nakhon Pathom, Thailand	P-01-0770
P10.44	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Visuomotor transformation in frontal network in blindsight monkey	YUSUKE YAMAMOTO <sup>1</sup> , REONA YAMAGUCHI <sup>1</sup> , TOMOHIKO TAKEI <sup>1</sup> , CHAO ZENAS <sup>1</sup> , TADASHI ISA <sup>1</sup>	<sup>1</sup> Kyoto University, Kyoto, Japan	P-01-0777
P10.45	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	A cross-species approach to understand adolescent vulnerability to methamphetamine use: Genetic and cognitive factors	JEE HYUN KIM <sup>1</sup> , DANNI JIANG <sup>1</sup> , PETER HAMILTON <sup>2</sup> , CHRISTINA PERRY <sup>1</sup> , LEONID CHURILOV <sup>3</sup> , YVONNE BONOMO <sup>4</sup> , ROSS BATHGATE <sup>1</sup> , NESTLER ERIC <sup>2</sup> , SUSAN ROSSELL <sup>5</sup> , KATHERINE DRUMMOND <sup>6</sup> , ANDREW LAWRENCE <sup>7</sup> , ALEXANDRE GUERIN <sup>1</sup>	<sup>1</sup> The Florey Institute of Neuroscience and Mental Health, Parkville, Australia, <sup>2</sup> Roth School of Medicine at Mt Sinai Hospital, New York, USA, <sup>3</sup> University of Melbourne, Parkville, Australia, <sup>4</sup> St. Vincent's Hospital, Fitzroy, Australia, <sup>5</sup> Swinburne University of Technology, Hawthorn, Australia	P-01-0799
P10.46	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Dysregulation of mood by chronic unpredictable stress induce impairment of episodic memory	JEONGSEOP KIM <sup>1,2</sup> , JOONHEE LEE <sup>3</sup> , TAE-EUN KIM <sup>1,2</sup> , HYO JUNG KANG <sup>3</sup> , JA WOOK KOO <sup>1</sup>	<sup>1</sup> Korea brain research institute (KBRI), Daegu, Korea, Republic of, <sup>2</sup> Daegu Gyeongbuk Institute of Science and Technology (DGIST), daegu, korea, republic of, <sup>3</sup> Chung-Ang University, Seoul, Korea, Republic of	P-01-0806
P10.47	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Hierarchical organization of cognitive control with various sensory information	TAEHYUN YOO <sup>1</sup> , HYEON-AE JEON <sup>1</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, DGIST (Daegu Gyeongbuk Institute of Science and Technology), Daegu, Korea, Republic of	P-01-0814
P10.48	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	The role of gut microbiota in dietary restriction-induced memory enhancement	CHUN-CHEIH HUANG <sup>1</sup> , PEI-YU WANG <sup>1</sup>	<sup>1</sup> Graduate Institute of Brain and Mind Sciences, College of Medicine, National Taiwan University, Taipei, Taiwan, China	P-01-0815
P10.49	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Gamma oscillations in basolateral amygdala: individual mouse and collective mice	JISOO KIM <sup>1,3</sup> , CHAE WOO KIM <sup>1,4</sup> , WOOSUP YOUNG <sup>2</sup> , SUNG Q LEE <sup>2</sup> , JEE HYUN CHOI <sup>1,4</sup>	<sup>1</sup> Korea Institute of Science and Technology, Seoul, Korea, Republic of, <sup>2</sup> Electronics and Telecommunications Research Institute, Daejeon, Korea, Republic of, <sup>3</sup> Korea University, Seoul, Korea, Republic of, <sup>4</sup> University of Science and Technology, Seoul, Korea, Republic of	P-01-0818
P10.50	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	7,3'-4'-Trihydroxyflavone improves hippocampal cognitive function by regulating neurotrophic factors and BDNF signaling pathway in mice	SEON-KYUNG KIM <sup>1</sup> , YONG-HYUN KO <sup>1</sup> , SEOK-YONG LEE <sup>1</sup> , CHOON-GON JANG <sup>1</sup>	<sup>1</sup> Department of Pharmacology, School of Pharmacy, Sungkyunkwan University, Suwon, Korea, Republic of	P-01-0824
P10.51	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Inhibition of fractalkine signaling attenuates postoperative neuroinflammation and cognitive dysfunction in mice model	BON-NYEO KOO <sup>1</sup> , INJIA CHO <sup>1</sup> , EUN HEE KAM <sup>1</sup> , EUN JUNG KIM <sup>1</sup> , SO YEON KIM <sup>1</sup> , JEONG MIN KIM <sup>1</sup>	<sup>1</sup> Yonsei University College of Medicine, Seoul, Korea, Republic of	P-01-0829
P10.52	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	The habenular Ca <sup>2+</sup> -dependent secretion activator 2 knock-down leads to despair-like behavior	HYEJUUNG YOO <sup>1</sup> , JIN YOUNG KIM <sup>1</sup> , SOO HYUN YANG <sup>1</sup> , ESTHER YANG <sup>1</sup> , KI MYUNG SONG <sup>1</sup> , HYUNG SUN PARK <sup>1</sup> , HYUN WOO LEE <sup>1</sup> , HYUN KIM <sup>1</sup>	<sup>1</sup> Korea University, Seoul, Korea, Republic of	P-01-0835
P10.53	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Identify genes to mediate ascr#3 avoidance in <i>C. elegans</i>	YEONJI PARK <sup>1</sup> , YONGJIN CHEON <sup>1</sup> , LEESUN RYU <sup>1</sup> , KYUHYUNG KIM <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of	P-01-0836
P10.54	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Role of Executive Functions in Statistical Learning	JUNGTAK PARK <sup>1</sup> , HYEON-AE JEON <sup>1</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, DGIST (Daegu Gyeongbuk Institute of Science and Technology), Daegu, Korea, Republic of	P-01-0838
P10.55	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Ethanol extract of mixture of Astragal Radix and Salviae Miltiorrhizae Radix, alleviates in unpredictable chronic mild stress-induced depression mouse model.	YOO JIN JEON <sup>1</sup> , CHANG GUE SON <sup>1</sup>	<sup>1</sup> Daejeon university, Daejeon, Korea, Republic of	P-01-0840
P10.56	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Expression of Aquaporin-4 Channels in the mouse prefrontal cortex and hippocampus in MK-801 Induced Schizophrenia-Like Behaviour	OMER BURAK ERICEK <sup>1</sup> , DERVIS MANSURI IYILMAZ <sup>2</sup> , IBRAHIM CEVİK <sup>3</sup> , DILEK SAKER <sup>4</sup> , MELTEM DONMEZ KUTLU <sup>5</sup> , SAMET KARA <sup>6</sup> , KUBRA AKILIOGLU <sup>7</sup>	<sup>1</sup> CUKUROVA UNIVERSITY, ADANA, Turkey, <sup>2</sup> Department of Neurological Surgery, Cukurova University, Adana, Turkey, <sup>3</sup> Division of Neurophysiology, Department of Physiology, Medical Faculty, Cukurova University, Adana, Turkey, <sup>4</sup> Department of Histology and Embryology, Cukurova University Faculty of Medicine, Adana, Turkey, <sup>5</sup> Division of Neurophysiology, Department of Physiology, Cukurova University Faculty of Medicine, Adana, Turkey	P-01-0841
P10.57	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Plasticity of ascr#3 avoidance behavior in <i>C. elegans</i>	HYEONJEONG HWANG <sup>1</sup> , KYUHYUNG KYUHYUNG <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of	P-01-0843
P10.58	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Temporary changes of resting-state functional networks after fear learning	KIRILL EFIMOV <sup>1</sup> , OLGA MARTYNOVA <sup>2</sup> , ALINA TETREVA <sup>2</sup> , ALEXEY IVANTSKY <sup>3</sup>	<sup>1</sup> Institute of Higher Nervous activity and Neurophysiology, Russian Academy of Science, Moscow Institute of Physics and Technology, Moscow, Russia, <sup>2</sup> Institute of Higher Nervous activity and Neurophysiology, Russian Academy of Science, National Research University Higher School of Economics, Moscow, Russia, <sup>3</sup> Institute of Higher Nervous activity and Neurophysiology, Russian Academy of Science, Moscow, Russia	P-01-0844
P10.59	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	The critical role of interference control during novel metaphor comprehension	HEE-DONG YOON <sup>1</sup> , KI-CHUN NAM <sup>2</sup> , SUN-YOUNG LEE <sup>3</sup> , YOUNGJOO KIM <sup>4</sup> , HYEON-AE JEON <sup>1</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, DGIST (Daegu Gyeongbuk Institute of Science and Technology), Daegu, Korea, Republic of, <sup>2</sup> Department of Psychology, Korea University, Seoul, Korea, Republic of, <sup>3</sup> Department of English, Cyber Hankuk University of Foreign Studies, Seoul, Korea, Republic of, <sup>4</sup> Department of Korean Language, Kyung Hee University, Gyeonggi-do, Korea, Republic of	P-01-0847
P10.60	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Scale-free properties of resting-state BOLD signal change after fear learning	ALINA TETREVA <sup>1</sup> , OLGA MARTYNOVA <sup>2</sup>	<sup>1</sup> Institute of Higher Nervous activity and Neurophysiology, Russian Academy of Science, Moscow, Russia, <sup>2</sup> Institute of Higher Nervous activity and Neurophysiology, Russian Academy of Science, National Research University Higher School of Economics, Moscow, Russia	P-01-0860
P10.61	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Cell type-specific mapping of the SCN projection	HAN KYOUNG CHOE <sup>1</sup> , SOOMIN LEE <sup>1</sup> , JIHOON KOM <sup>1</sup> , HYEON MOON <sup>1</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, DGIST, Daegu, Korea, Republic of	P-01-0865
P10.62	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	The impact of choice and its outcome on memory	EUN-JOO JEONG <sup>1</sup> , MIN-SUK KANG <sup>1</sup>	<sup>1</sup> Sungkyunkwan University, Seoul, Korea, Republic of	P-01-0866
P10.63	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Neuronal dynamics of social representation in the hippocampus	KYU-HEE LEE <sup>1</sup> , EUNJI KONG <sup>2</sup> , JOOWON KIM <sup>2</sup> , YOUNG-BEOM LEE <sup>1</sup> , DOYUN LEE <sup>1</sup>	<sup>1</sup> Institute for Basic Science, Daejeon, Korea, Republic of, <sup>2</sup> Korea Advanced Institute of Science and Technology, Daejeon, Korea, Republic of	P-01-0869
P10.64	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	The effects of childhood maltreatment on semantic networks during cognitive reappraisal of emotion	SANG WON LEE <sup>1</sup> , SEUNG HO KIM <sup>2</sup> , HYUNIL CHA <sup>3</sup> , YONGMIN CHANG <sup>3</sup> , SEUNG JAE LEE <sup>4</sup>	<sup>1</sup> Kyungpook National University Medical Center, Daegu, Korea, Republic of, <sup>2</sup> Department of Medical & Biological Engineering, School of Medicine, Kyungpook National University, Daegu, Korea, Republic of, <sup>3</sup> Department of Molecular Medicine, School of Medicine, Kyungpook National University, Daegu, Korea, Republic of, <sup>4</sup> Department of Psychiatry, School of Medicine, Kyungpook National University, Daegu, Korea, Republic of	P-01-0873
P10.65	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Neural correlates of emotion reactivity and regulation in North Korean refugees	KYUNG HWA LEE <sup>1</sup> , HAYOUNG LEE <sup>1</sup> , NAMBEOM KIM <sup>2</sup> , JEONG EUN JEON <sup>1</sup> , INKYUNG PARK <sup>1</sup> , SEHYUN JEON <sup>2</sup> , SOOHYUN KIM <sup>2</sup> , YU JIN LEE <sup>1</sup> , SEOG JU KIM <sup>2</sup>	<sup>1</sup> Department of Psychiatry and Center for Sleep and Chronobiology, Seoul National University, College of Medicine and Hospital, Seoul, Korea, Republic of, <sup>2</sup> Department of Psychiatry, Sungkyunkwan University College of Medicine, Samsung Medical Center, Seoul, Korea, Republic of, <sup>3</sup> Neuroscience Research Institute, Gachon University, Incheon, Korea, Republic of, <sup>4</sup> Department of Neurology, Gangneung, Gangneung Asan Hospital, Gangwon-do, Korea, Republic of	P-01-0898
P10.66	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	ASIC1a in striatal synapse remodeling and procedural learning: implications in habitual drug-seeking behavior	JIANG QIN <sup>1</sup> , TIAN-LE XU <sup>1</sup>	<sup>1</sup> Shanghai Jiao Tong University School of Medicine, Shanghai, China	P-01-0915
P10.67	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Akt3/ GSK-3 signaling pathway regulates motor learning in mice	MICHEL CYR <sup>1</sup> , ANNE-SOPHIE ALLAIN <sup>1</sup> , BRUNO OUIMET <sup>1</sup>	<sup>1</sup> Cell Signalling Research Group, Univ of Trois Rivières, Trois Rivières, Canada	P-01-0918
P10.68	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	The role of medial prefrontal neurons in social dominance and competitive success in groups of male mice	SONGJUN LI <sup>1</sup> , LEAH STRAHS <sup>1</sup> , LANCE JOHNSON <sup>1</sup> , ZIV WILLIAMS <sup>1</sup>	<sup>1</sup> Massachusetts General Hospital, Boston, USA	P-01-0923
P10.69	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Bayesian integration in setting classification criterion	HEESEUNG LEE <sup>1</sup> , SANG-HUN LEE <sup>1</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, Seoul National University, Seoul, Korea, Republic of	P-01-0928
P10.70	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Deconstructing the neural circuit underlying social hierarchy	QIUHONG XIN <sup>1</sup> , TINGTING ZHOU <sup>1</sup> , DIYANG ZHENG <sup>1</sup> , HAILAN HU <sup>1</sup>	<sup>1</sup> Center for Neuroscience and Department of Psychiatry of First Affiliated Hospital, Zhejiang University; 2) Interdisciplinary Institute of Neuroscience and Technology, Quzhou Academy for Advanced Studies, Zhejiang University; 3) NHG and CAMS Key Laboratory of Medical Neurobiology, Mental Health Center, Zhejiang University School of Medicine, Hangzhou, China	P-01-0929

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P10.71	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Behavioral Circadian Rhythm is Associated with Cognition, Medial Temporal Lobe Volume and Cortical Amyloid Burden in Patients with Cognitive Impairment	HYUN WOONG ROH <sup>1</sup> , JUNG-GU CHOI <sup>2</sup> , DUKYONG YOON <sup>3</sup> , BUMHEE PARK <sup>4</sup> , SANG WON SEO <sup>5</sup> , SANG JOON SON <sup>6</sup> , CHANG HYUNG HONG <sup>7</sup> , EUN YOUNG KIM <sup>8</sup>	<sup>1</sup> Department of Brain Science, Ajou University School of Medicine, Suwon, Korea, Republic of, <sup>2</sup> Department of Biomedical Informatics, Ajou University School of Medicine, Suwon, Korea, Republic of, <sup>3</sup> Department of Neurology, Sungkyunkwan University School of Medicine, Seoul, Korea, Republic of, <sup>4</sup> Department of Psychiatry, Ajou University School of Medicine, Suwon, Korea, Republic of	P-01-0940
P10.72	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Light-sensitive vs temperature-sensitive pacemaker neuron's molecular clockwork in <i>Drosophila</i>	MIRI KWON <sup>1</sup> , EUI MIN JEONG <sup>2</sup> , JAE KYUNG KIM <sup>3</sup> , EUN YOUNG KIM <sup>4</sup>	<sup>1</sup> Neuroscience Graduate Program, Department of Biomedical Sciences, Ajou University Graduate School of Medicine, Suwon, Korea, Republic of, <sup>2</sup> Department of Mathematical Science, KAIST, Daejeon, Korea, Republic of	P-01-0943
P10.73	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Silencing of superoxide dismutase 2 via DNMT3b after repeated mild traumatic brain injury: Implications in vulnerability to chronic	NAGALAKSHMI BALASUBRAMANIAN <sup>1</sup> , SNEHA SAGARKAR <sup>2</sup> , NAMRATA PAWAR <sup>3</sup> , AMIT CHOUDHARY <sup>4</sup> , DADASAHEB KOKARE <sup>5</sup> , AMUL SAKHARKAR <sup>6</sup>	<sup>1</sup> Department of Biotechnology, Savitribai Phule Pune University, Pune, India, <sup>2</sup> Department of Zoology, Savitribai Phule Pune University, Pune, India, <sup>3</sup> Department of Pharmaceutical Sciences, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur, India	P-01-0952
P10.74	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Efficacy of saccade-based approaches in eye movement for Alzheimer's Dementia	JULIUS OPWONYA <sup>1</sup> , SUNJUU PARK <sup>2</sup> , SEUL GEE KIM <sup>3</sup> , JAEUK KIM <sup>4</sup>	<sup>1</sup> Korea Institute of Oriental Medicine, Daejeon, Korea, Republic of, <sup>2</sup> Daejeon University, Daejeon, Korea, Republic of	P-01-0954
P10.75	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Observational threat conditioning is induced by circa-strike activity burst and requires visual attention	EUN-HWA HONG <sup>1</sup> , CHANG BUM KO <sup>2</sup> , JUNE-SEEK CHOI <sup>1</sup>	<sup>1</sup> Korea University, Seoul, Korea, Republic of	P-01-0957
P10.76	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Nampt-mediated NAD <sup>+</sup> biosynthesis is essential for the behavioral changes of depression in vivo	YI-LU YE <sup>1</sup> , PING YU <sup>2</sup> , ROUXIN WANG <sup>3</sup> , KAI ZHONG <sup>3</sup> , SIQI YAO <sup>3</sup> , QI ZHANG <sup>3</sup>	<sup>1</sup> Hangzhou Medical College, Hangzhou, China	P-01-0966
P10.77	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	On association of the lethal yellow (AY) mutation in the agouti gene with the alterations in mouse brain and behavior.	NIKITA KHOTSKIN <sup>1</sup> , ALEXANDRA PLUSNINA <sup>1</sup> , ELIZABETH KULIKOVA <sup>1</sup> , EKATERINA BAZHENOVA <sup>1</sup> , DARYIA FURSENIKO <sup>1</sup> , IVAN SOROKIN <sup>1</sup> , LIJA KOLOTYGIN <sup>1</sup> , PIERRE MORMEDE <sup>2</sup> , ELENA TERENINA <sup>3</sup> , OLEG SHEVELEV <sup>4</sup> , ALEXANDER KULIKOV <sup>1</sup>	<sup>1</sup> Institute of Cytology & Genetics, Novosibirsk, Russia, <sup>2</sup> Novosibirsk State University, Novosibirsk, Russia, <sup>3</sup> GenPhySE, INRA, Université de Toulouse, Toulouse, France	P-01-0967
P10.78	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Effect of yohimbine on voluntary ethanol intake of adult male wistar rats	ANGELES AGUIRRE <sup>1</sup> , INMACULADA RUIZ <sup>2</sup> , M <sup>o</sup> DOLORES ESCARABAJAL <sup>1</sup> , M <sup>o</sup> LOURDES DE LA TORRE <sup>1</sup>	<sup>1</sup> University of Jaen, Jaen, Spain	P-01-0974
P10.79	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	SCD-A-112 attenuates scopolamine-induced learning and memory impairments in mice by improving cholinergic transmission via activation of CREB/NGF signaling	EUNJIN SOHN <sup>1</sup> , HYE-SUN LIM <sup>2</sup> , YU JIN KIM <sup>3</sup> , BU-YEO KIM <sup>4</sup> , JOO HWAN KIM <sup>5</sup> , SOO-JIN JEONG <sup>6</sup>	<sup>1</sup> Korea Institute of Oriental Medicine, Daejeon, Korea, Republic of, <sup>2</sup> KIOM, Daejeon, Korea, Republic of, <sup>3</sup> Department of Life Science, Gachon University, Kyonggi-do, Korea, Republic of	P-01-0975
P10.80	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Effects of transcranial direct current stimulation polarity on cortical activity in human visual cortex	JEONGYEOL AHN <sup>1</sup> , JUHYOUNG RYU <sup>1</sup> , SANGJUN LEE <sup>2</sup> , CHANY LEE <sup>3</sup> , CHANG-HWAN IM <sup>4</sup> , SANG-HUN LEE <sup>5</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Department of Biomedical Engineering, Hanyang University, Seoul, Korea, Republic of, <sup>3</sup> Department of Structure & Function of Neural Network, Korea Brain Research Institute, Daegu, Korea, Republic of	P-01-0977
P10.81	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	The role of basolateral amygdala parvalbumin neurons in the blocking of Pavlovian fear.	JOANNA YAU <sup>1</sup> , GAVAN MCNALLY <sup>1</sup>	<sup>1</sup> University of New South Wales, Sydney, Australia	P-01-0978
P10.82	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Contributions of the sound symbolism to acquisition of new word-meaning association	MAKOTO MATSUMOTO <sup>1</sup> , SACHI ITAGAKI <sup>1</sup> , KOHTA KOBAYASI <sup>1</sup>	<sup>1</sup> Doshisha University, Kyoto, Japan	P-01-0982
P10.83	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	E-vapor inhalation - how does it affect memory?	HUI CHEN <sup>1</sup> , JOEL STEELE <sup>1</sup> , GERARD LI <sup>1</sup> , YIK CHAN <sup>1</sup> , BRIAN OLIVER <sup>1</sup> , SONIA SAAD <sup>2</sup> , RITA MACHAALANI <sup>3</sup>	<sup>1</sup> Faculty of Science, University of Technology Sydney, Sydney, Australia, <sup>2</sup> Kolling Institute of Medical Research, University of Sydney, Sydney, Australia, <sup>3</sup> Sydney Medical School, University of Sydney, Sydney, Australia	P-01-0983
P10.84	Grand Ballroom, 3F	Cognition and behavior	2019.09.23 12:40	2019.09.23 14:40	Memory loss by 1,2-dicyclohexylbenzene - induced microglial inflammation: An in vivo and in vitro study	MIN-SUN KIM <sup>1</sup> , SUNG-JIN KIM <sup>1</sup>	<sup>1</sup> Sunchon National University, Suncheon, Korea, Republic of	P-01-1892
P11.01	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Inactivation of ATM and DNA polymerase $\beta$ results in cerebellar ataxia.	JEEK KIM <sup>1</sup> , YOUNGSOO LEE <sup>1</sup>	<sup>1</sup> Ajou University School of Medicine, Suwon, Korea, Republic of	P-02-0654
P11.02	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Impact of <i>Res1</i> deficiency on DNA damage response in the nervous system.	KEEUN KIM <sup>1</sup> , SUNWOO MIN <sup>1</sup> , HYESEONG CHO <sup>1</sup> , YOUNGSOO LEE <sup>1</sup>	<sup>1</sup> Ajou University School of Medicine, Suwon, Korea, Republic of	P-02-0656
P11.03	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Timely inhibitory circuit formation by Abi1 regulates innate olfactory behaviors in the mouse	JAE YEON <sup>1</sup> , BONGKI CHO <sup>1</sup> , CHEIL MOON <sup>1</sup>	<sup>1</sup> DGIST, daegu, Korea, Republic of	P-02-0690
P11.04	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Formin-2 in development of neural circuits in zebrafish	DHRITI NAGAR <sup>1</sup> , SHROBONA GUHA <sup>1</sup> , AURNAB GHOSE <sup>1</sup>	<sup>1</sup> Indian Institute of Science Education and Research, Pune, Pune, India	P-02-0693
P11.05	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	GABAergic neurons excite hippocampal, but inhibit cortical, network activity in neonatal mice	YASUNOBU MURATA <sup>1</sup> , MATTHEW COLONNESE <sup>1</sup>	<sup>1</sup> George Washington University, Washington, USA	P-02-0738
P11.06	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Role of <i>Snf7-3</i> in neurodevelopment and object location memory	JHYE LEE <sup>1</sup> , HYOPIL KIM <sup>2</sup> , SU-EON SIM <sup>2</sup> , MYUNG WON KIM <sup>3</sup> , JISU LEE <sup>4</sup> , JUNE HYUN JEONG <sup>5</sup> , YU-KYUNG LEE <sup>6</sup> , JIN-A LEE <sup>7</sup> , BONG-KIUN KAANG <sup>8</sup>	<sup>1</sup> Laboratory of Neurobiology, School of Biological Sciences, College of Natural Sciences, Seoul National University, Seoul 0826, Korea., Seoul, Korea, Republic of, <sup>2</sup> Laboratory of Neurobiology, School of Biological Sciences, College of Natural Sciences, Seoul National University, Seoul 0826, Korea., Seoul, Korea, Republic of, <sup>3</sup> Department of Biotechnology, College of Life Science and Nano Technology, Hannam University, Daejeon 305-811, Korea, Daejeon, Korea, Republic of	P-02-0756
P11.07	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Long-term effects of prenatal stress on chloride transporters and GABA <sub>A</sub> receptor subunits in the prefrontal cortex of periparturient rats	ARBTHIP SUWALUK <sup>1</sup> , NUANCHAN CHUTABHAKDIKUL <sup>1</sup>	<sup>1</sup> Research Center for Neuroscience, Institute of Molecular Biosciences, Mahidol University, Nakhon Pathom, Thailand	P-02-0764
P11.08	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Precise positioning of neural progenitors is essential for neocortical development	YUNLI XIE <sup>1</sup> , TIANXING TANG <sup>2</sup>	<sup>1</sup> Fudan University, Shanghai, China, <sup>2</sup> Fudan University, Shanghai, China	P-02-0776
P11.09	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Gut regulates synaptic specificity	SHI YANJUN <sup>1</sup> , SHAO ZHIYONG <sup>1</sup>	<sup>1</sup> Fudan University, Shanghai, China	P-02-0780
P11.10	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Elucidation of the mechanisms underlying a novel Olig2 binding factor-mediated maintenance of oligodendrocyte precursor cells	NORIHISA BIZEN <sup>1</sup> , MASATO YANO <sup>1</sup> , ZHOU LI <sup>1</sup> , MANABU ABE <sup>1</sup> , KENJI SAKIMURA <sup>2</sup> , HIROHIDE TAKEBAYASHI <sup>1</sup>	<sup>1</sup> Division of Neurobiology and Anatomy, Graduate School of Medical and Dental Sciences, Niigata University, Niigata, Japan, <sup>2</sup> Department of Animal Model Development, Brain Research Institute, Niigata University, Niigata, Japan	P-02-0802
P11.11	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Polystyrene nanoplastic exposure leads to abnormal brain development by dysregulation of neural stem cell functions.	BOHYEON JEONG <sup>1</sup> , JAHONG KOO <sup>2</sup> , WANG SIK LEE <sup>2</sup> , JINYOUNG JEONG <sup>3</sup> , JAE-RAN LEE <sup>4</sup> , DA YONG LEE <sup>5</sup>	<sup>1</sup> Rare Disease Research Center, Korea Research Institute of Bioscience and Biotechnology (KRIBB), Daejeon, Korea, Republic of, <sup>2</sup> Environmental Disease Research Center, Korea Research Institute of Bioscience and Biotechnology (KRIBB), Daejeon, Korea, Republic of	P-02-0808
P11.12	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Pituitary stalk interruption syndrome: MRI findings in a case of pituitary hypogonadism.	ALOYSIUS EBI LIGHA <sup>1</sup> , CHARLES OYINBO <sup>2</sup> , MICHEAL TARIOMBO OTOBO <sup>2</sup>	<sup>1</sup> Texas American University/FELI-NRMF, Niger Delta University, Quezon City, Philippines, <sup>2</sup> Niger Delta University, Amassoma, Nigeria	P-02-0816
P11.13	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Bcast1-mediated plastic development of visual projection	SEUNG HEE CHOI <sup>1</sup> , SEUNGEUN YEO <sup>1</sup> , MI SUK LEE <sup>1</sup> , JAE MYUNG JANG <sup>1</sup> , JONG HYUK YOON <sup>1</sup> , HYUN-JIN JUNG <sup>1</sup> , YURA CHOI <sup>1</sup> , DASOM KIM <sup>1</sup> , YOUNGSHIK CHOE <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of	P-02-0822
P11.14	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Increased ER-mitochondria tethering promotes axon regeneration	SOYEON LEE <sup>1</sup> , WEI WANG <sup>1</sup> , JINYEON HWANG <sup>2</sup> , UK NAMGUNG <sup>2</sup> , KYUNG-TAI MIN <sup>1</sup>	<sup>1</sup> UNIST, Ulsan, Korea, Republic of, <sup>2</sup> Daejeon University, Daejeon, Korea, Republic of	P-02-0825
P11.15	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Role of SPIN9, SH3 Protein Interacting With Nck, in Radial Migration.	JIEUN KANG <sup>1</sup> , WOYUUL CHOI <sup>2</sup> , SEUNGHYUK CHOI <sup>3</sup> , ALISTARE SADRA <sup>3</sup> , SUNG-OH HUH <sup>1</sup>	<sup>1</sup> Laboratory of Brain Development, Department of Pharmacology, College of Medicine, Hallym University, Chuncheon, Gangwon-do, South Korea, 24252, Chuncheon, Korea, Republic of, <sup>2</sup> Laboratory of Brain Development, Department of Pharmacology, College of Medicine, Hallym University, Chuncheon, Gangwon-do, South Korea, 24252, Chuncheon, Korea, Republic of, <sup>3</sup> Department of Pharmacology, College of Medicine, Institute of Natural Medicine, Hallym University, South Korea, Chuncheon, Korea, Republic of	P-02-0833
P11.16	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Gene regulatory networks underlying cell fate specification of a <i>C. elegans</i> sensory/interceptor neuron-type	WOONGJUNG HEO <sup>1</sup> , HYEONJEONG HWANG <sup>1</sup> , KYUHYUNG KIM <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of	P-02-0846
P11.17	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Electrophysiological changes in high-performer preschoolers from poor homes after a computerized cognitive control training	MARCOS LUIS PIETTO <sup>1</sup> , FEDERICO GIOVANNETTI <sup>1</sup> , MARIA SOLEDAD SEGRETIN <sup>1</sup> , JUAN ESTEBAN KAMENKOWSKI <sup>2</sup> , SEBASTIAN JAVIER LIPINA <sup>1</sup>	<sup>1</sup> Unidad de Neurobiología Aplicada (UNA, CEMIC - CONICET), Buenos Aires, Argentina, <sup>2</sup> Laboratorio de Inteligencia Artificial Aplicada, Instituto de Ciencias de la Computación (FCEY-UBA, CONICET), Buenos Aires, Argentina	P-02-0853
P11.18	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Regulation of Axonal Length, Independent of mTORC1 Activity, by a Farnesylation-Defective Rheb in Embryonic Primary Neurons	SEUNGHYUK CHOI <sup>1</sup> , ALI SADRA <sup>1</sup> , JIEUN KANG <sup>1</sup> , DONG-KWAN YOO <sup>1</sup> , JAE RYUN RYU <sup>2</sup> , JUNE HOAN KIM <sup>3</sup> , WOONG SUN <sup>4</sup> , SUNG-OH HUH <sup>1</sup>	<sup>1</sup> Department of Pharmacology, College of Medicine, Institute of Natural Medicine, Hallym University, Chuncheon, Gangwon-do, 24252, Republic of Korea, Chuncheon, Korea, Republic of, <sup>2</sup> Department of Anatomy, Korea University College of Medicine, Brain Korea 21 plus, Seoul 02841, Republic of Korea, Seoul, Korea, Republic of	P-02-0870
P11.19	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Elucidation of RNA Binding Protein Rbms1 (RNA Binding Motif Single Stranded Interacting Protein 1) Role in Neocortical Brain Development	KHADJIA HABIB <sup>1</sup> , ALI SADRA <sup>1</sup> , SUNG-OH HUH <sup>1</sup>	<sup>1</sup> Department of Pharmacology, College of Medicine, Institute of Natural Medicine, Hallym University, Chuncheon, Gangwon-do, 24252, Republic of Korea, Chuncheon, Korea, Republic of	P-02-0880
P11.20	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Alteration of Hippo signaling pathway in the neural stem cells derived from the patients with mental retardation.	JAHONG KOO <sup>1</sup> , SOO-EUN SUNG <sup>2</sup> , JAE-RAN LEE <sup>3</sup> , DA YONG LEE <sup>4</sup>	<sup>1</sup> Rare Disease Research Center, Korea Research Institute of Bioscience and Biotechnology (KRIBB), Daejeon, Korea, Republic of, <sup>2</sup> Daegu-Gyeongbuk Medical Innovation Foundation, Daegu, Korea, Republic of	P-02-0896
P11.22	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Delayed development of Metabolic brain network in ADHD-model rats with persistent symptoms	SEUNGYUN HA <sup>1</sup> , HYEKYOUNG LEE <sup>2</sup> , YOORI CHOI <sup>3</sup> , SE JIN JEON <sup>4</sup> , JONG HOON RYU <sup>5</sup> , HEE JIN KIM <sup>6</sup> , JAE HOON CHEONG <sup>7</sup> , SEONHEE LIM <sup>8</sup> , BUNG-NYUN KIM <sup>9</sup> , DONG SOO LEE <sup>10</sup>	<sup>1</sup> Radiation Medicine Research Institute, Seoul National University College of Medicine, Seoul, Korea, Republic of, <sup>2</sup> Department of Molecular Medicine and Biopharmaceutical Sciences, Graduate School of Convergence Science and Technology, and College of Medicine or College of Pharmacy, Seoul National University, Seoul, Korea, Republic of, <sup>3</sup> Department of Nuclear Medicine, Seoul National University College of Medicine, Seoul, Republic of Korea, Seoul, Korea, Republic of, <sup>4</sup> Department of Oriental Pharmaceutical Science, College of Pharmacy, Kyung Hee University, Seoul, Korea, Republic of, <sup>5</sup> Department of Life and Nanopharmaceutical Science, College of Pharmacy, Kyung Hee University, Seoul, Korea, Republic of, <sup>6</sup> Department of Pharmacy, Uimyung Research Institute for Neurosciences, Sahmyook University, Seoul, Korea, Republic of, <sup>7</sup> Department of Mathematical Sciences, Seoul National University, Seoul, Korea, Republic of, <sup>8</sup> Division of Child and Adolescent Psychiatry, Department of Psychiatry, Seoul National University College of Medicine, Seoul, Korea, Republic of	P-02-0921
P11.23	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Subcellular IiIG9 dynamics in cell-cell adhesion during ependymal cell specification and maturation from radial glia progenitors	VICTOR BAEZA <sup>1</sup> , MARIA-JOSE OVIEDO <sup>1</sup> , MANUEL CIFUENTES <sup>2</sup> , FRANCISCO NJALART <sup>3</sup> , KATHERINE SALAZAR <sup>1</sup>	<sup>1</sup> Laboratory of Neurobiology and Stem Cells, Neuro CeIT, Center for Advanced microscopy CMA BIOIBO, Concepcion University, Concepcion, Chile, <sup>2</sup> CIBER BIONAND, Malaga University, Malaga, Spain	P-02-0924
P11.24	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Ank1a is essential for establishing the rotational polarity of ependymal cells	HAERYUNG LEE <sup>1</sup> , HUNGCHEOL RYU <sup>2</sup> , SOOCHUL PARK <sup>1</sup>	<sup>1</sup> Sookmyung Women's University, Seoul, Korea, Republic of, <sup>2</sup> University Of Seoul, Seoul, Korea, Republic of	P-02-0934
P11.25	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Erik-dependent phosphorylation regulates NeuroD1 activity	TAERYOUNG LEE <sup>1</sup> , NARAYAN BASHYAL <sup>1</sup> , JUNG-MI CHOI <sup>1</sup> , SUNG-SOO KIM <sup>1</sup> , HAERYOUNG SUH-KIM <sup>1</sup>	<sup>1</sup> Ajou University school of medicine, Suwon, Korea, Republic of	P-02-0949

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P11.26	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Cep215 is essential for astrocyte development and process formation.	<b>DONGHEE KANG<sup>1</sup></b> , WONJUNG SHIN <sup>2</sup> , HYUNJUNG YOO <sup>2</sup> , BYUNGHO SHIN <sup>2</sup> , KYUNGNAM KIM <sup>3</sup> , YOUNGHOON SUNG <sup>3</sup> , KUNSOO RHEE <sup>1</sup>	<sup>1</sup> Department of Biological Sciences, Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Department of Biological Sciences, Seoul National University, Seoul, Korea, Republic of, <sup>3</sup> Department of Convergence Medicine, University of Ulsan College of Medicine, Seoul, Korea, Republic of	P-02-0955
P11.27	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Single-molecule imaging of CREB transcription factor in human cortical-like neurons	<b>YURI ATSUMI<sup>1</sup></b> , NORIYUKI SUGO <sup>1</sup> , RYOHEI IWATA <sup>2</sup> , PIERRE VANDERHAEGHEN <sup>3</sup> , NOBUHIKO YAMAMOTO <sup>1</sup>	<sup>1</sup> Osaka University, Suita, Osaka, Japan, <sup>2</sup> VIB Center for Brain & Disease Research, Leuven, Belgium	P-02-0958
P11.28	Grand Ballroom, 3F	Development	2019.09.23 12:40	2019.09.23 14:40	Human neural organoid model exhibiting early neural tube morphogenesis	<b>JU-HYUN LEE<sup>1</sup></b> , MOHAMMED R. SHAKER <sup>1</sup> , HYUN JUNG KIM <sup>1</sup> , JUNE HOAN KIM <sup>1</sup> , HYOGEUN SHIN <sup>2</sup> , MINJIN KANG <sup>3</sup> , TAE HWAN KWAK <sup>4</sup> , IM JOO RHYU <sup>1</sup> , HYUN KIM <sup>1</sup> , DONG WOOK HAN <sup>5</sup> , IL-JOO CHO <sup>2</sup> , DONGHO GEUM <sup>6</sup> , WOONG SUN <sup>1</sup>	<sup>1</sup> Department of Anatomy, Brain Korea 21 Plus Program for Biomedical Science, Korea University College of Medicine, Seoul, Korea, Republic of, <sup>2</sup> Center for BioMicrosystems, Brain Science Institute, Korea Institute of Science and Technology (KIST), Seoul, Korea, Republic of, <sup>3</sup> Department of Biomedical Sciences, Korea University College of Medicine, Seoul, Korea, Republic of, <sup>4</sup> Department of Stem Cell Biology, School of Medicine, Konkuk University, Seoul, Korea, Republic of	P-02-0960
P12.01	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	The newly-found AMP-activated protein kinase (AMPK) inhibitors reduce hypoglycemia-induced hippocampal neuronal death	<b>A RA KHO<sup>1</sup></b> , BO YOUNG CHOI <sup>1</sup> , SONG HEE LEE <sup>1</sup> , DAE KI HONG <sup>1</sup> , JEONG HYUN JEONG <sup>1</sup> , BEOM SEOK KANG <sup>1</sup> , DONG HYEON KANG <sup>1</sup> , MIN KYU PARK <sup>1</sup> , SANG WON SUH <sup>1</sup>	<sup>1</sup> Hallym University, Chuncheon Si, Kangwon-Do, Korea, Republic of	P-03-1429
P12.02	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Anti-oxidant, N-acetyl-L-cysteine attenuates hippocampal neurodegeneration after global cerebral ischemia via inhibition of transient receptor potential melastatin 2	<b>DAE KI HONG<sup>1</sup></b> , BO YOUNG CHOI <sup>1</sup> , A RA KHO <sup>1</sup> , SONG HEE LEE <sup>1</sup> , JEONG HYUN JEONG <sup>1</sup> , BEOM SEOK KANG <sup>1</sup> , DONG HYEON KANG <sup>1</sup> , MIN KYU PARK <sup>1</sup> , KYOUNG-HA PARK <sup>2</sup> , SANG WON SUH <sup>1</sup>	<sup>1</sup> Department of Physiology, Hallym University, College of Medicine, Chuncheon, Korea, Republic of, <sup>2</sup> Division of Cardiovascular Diseases, Hallym University Medical Center, Anyang, Korea, Republic of	P-03-1425
P12.03	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	LONGITUDINAL INVESTIGATION OF SPATIOTEMPORAL DYNAMICS OF BLOOD CELL STAGNATION IN CEREBRAL CAPILLARIES USING OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY DURING SUBCORTICAL VASCULAR DEMENTIA DEVELOPMENT	<b>JIN-HUI YOON<sup>1</sup></b> , WANG-YUHL OH <sup>1</sup> , PAUL SHIN <sup>2</sup> , JONGYOUN JU <sup>3</sup> , GAON KIM <sup>1</sup> , YONG JEONG <sup>2</sup>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of	P-03-1421
P12.04	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Delineating the pathogenesis of cerebral malaria in Balb/c and C57BL/6J mice: A comparative assessment	<b>MEETALI GIRDHAR<sup>1</sup></b> , ANJU KATYAL <sup>2</sup>	<sup>1</sup> Dr. B.R. Ambedkar center for Biomedical Research, University of Delhi, Delhi, India, <sup>2</sup> Dr. B.R. Ambedkar Center for Biomedical Research, University of Delhi, Delhi, India	P-03-1419
P12.05	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Temporal change of zinc transporters after pilocarpine-induced seizure	<b>SONG HEE LEE<sup>1</sup></b> , BO YOUNG CHOI <sup>1</sup> , A RA KHO <sup>1</sup> , JEONG HYUN JEONG <sup>1</sup> , DAE KI HONG <sup>1</sup> , DONG HYEON KANG <sup>1</sup> , BEOM SEOK KANG <sup>1</sup> , MIN KYU PARK <sup>1</sup> , HONG KI SONG <sup>1</sup> , HUI CHUL CHOI <sup>1</sup> , SANG WON SUH <sup>1</sup>	<sup>1</sup> Hallym University, Chuncheon-si, Korea, Republic of	P-03-1418
P12.06	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	ACE-III improves alcohol-induced memory impairment through activation of alcohol metabolism	<b>HUIYOUNG KWON<sup>1</sup></b> , EUNBI CHO <sup>1</sup> , JIEUN JEON <sup>1</sup> , DONG HYUN KIM <sup>1</sup>	<sup>1</sup> Dong-A university, Busan, Korea, Republic of	P-03-1417
P12.07	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Effects of transient receptor potential cation channel 5 (TRPC5) inhibition on global cerebral ischemia-induced neuronal death	<b>BEOM SEOK KANG<sup>1</sup></b> , BO YOUNG CHOI <sup>1</sup> , A RA KHO <sup>1</sup> , SONG HEE LEE <sup>1</sup> , DAE KI HONG <sup>1</sup> , JEONG HYUN JEONG <sup>1</sup> , DONG HYEON KANG <sup>1</sup> , MIN KYU PARK <sup>1</sup> , SANG WON SUH <sup>1</sup>	<sup>1</sup> Department of Physiology, Hallym university, College of Medicine, Chuncheon, Korea, Republic of	P-03-1415
P12.08	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Effects of cerebrolysin on hippocampal neuronal death and neurogenesis after pilocarpine-induced seizure	<b>DONG HYEON KANG<sup>1</sup></b> , BO YOUNG CHOI <sup>1</sup> , A RA KHO <sup>1</sup> , SONG HEE LEE <sup>1</sup> , JEONG HYUN JEONG <sup>1</sup> , DAE KI HONG <sup>1</sup> , BEOM SEOK KANG <sup>1</sup> , MIN KYU PARK <sup>1</sup> , HUI CHUL CHOI <sup>1</sup> , HONG KI SONG <sup>2</sup> , SANG WON SUH <sup>1</sup>	<sup>1</sup> Department of Physiology, Hallym University, college of medicine, Chuncheon, Korea, Republic of, <sup>2</sup> Department of Neurology, Hallym University, college of medicine, Chuncheon, Korea, Republic of	P-03-1413
P12.09	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Synaptic modifications in the ventral hippocampal neurons in the learned helplessness model of depression	<b>SANGWOO KIM<sup>1</sup></b> , GYEONG-EON CHANG <sup>1</sup> , HYOJUNG LEE <sup>1</sup> , DONGSU LEE <sup>1</sup> , GYEONG HWUI KIM <sup>1</sup> , GO EUN HA <sup>1</sup> , EUNJI CHEONG <sup>1</sup>	<sup>1</sup> Department of Biotechnology, Yonsei University, Seoul, Korea, Republic of	P-03-1411
P12.10	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Human brain transcriptome analysis reveals altered neuroimmune associated genes in Down syndrome	<b>SHWAN SEOL<sup>1</sup></b> , JOONHONG KWON <sup>1</sup> , HYU JUNG KANG <sup>1</sup>	<sup>1</sup> Department of Life Science, Chung-Ang University, Seoul, Korea, Republic of	P-03-1410
P12.11	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Hyaluronic acid metabolism regulates amyloid- $\beta$ pathology by preserving lysosomal integrity.	<b>SEO-HYUN KIM<sup>1</sup></b> , TAE-IN KAM <sup>1</sup> , YONGDAE GWON <sup>1</sup> , SEUNG-MIN YOO <sup>1</sup> , JISU PARK <sup>1</sup> , SEOWON MOON <sup>1</sup> , YOUNBIN KIM <sup>1</sup> , HANEUL LEE <sup>1</sup> , YONG-KELUN JUNG <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-03-1409
P12.12	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Peroxisome 5 alleviates iron overload-induced neuronal death through regulation of endoplasmic reticulum-mediated mitochondrial fragmentation in mouse hippocampal HT-22 cells	<b>DONG GIL LEE<sup>1</sup></b> , DONG-SEOK LEE <sup>1</sup>	<sup>1</sup> School of Life Sciences, BK21 Plus KNU Creative BioResearch Group, Kyungpook National University, Daegu, Korea, Republic of	P-03-1408
P12.13	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Peroxisome 4 ameliorates amyloid beta oligomer-mediated apoptosis by inhibiting ER-stress in HT-22 hippocampal neuron cells	<b>MINKYOUNG KAM<sup>1</sup></b> , DONG GIL LEE <sup>1</sup> , DONG-SEOK LEE <sup>1</sup>	<sup>1</sup> School of Life Sciences, BK21 Plus KNU Creative BioResearch Group, Kyungpook National University, Daegu, Korea, Republic of	P-03-1405
P12.14	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Therapeutic effects of carvedilol in hippocampal neuronal death after pilocarpine-induced seizure	<b>JEONG HYUN JEONG<sup>1</sup></b> , BO YOUNG CHOI <sup>1</sup> , A RA KHO <sup>1</sup> , SONG HEE LEE <sup>1</sup> , DAE KI HONG <sup>1</sup> , DONG HYEON KANG <sup>1</sup> , BEOM SEOK KANG <sup>1</sup> , MIN KYU PARK <sup>1</sup> , HUI CHUL CHOI <sup>1</sup> , HONG KI SONG <sup>2</sup> , SANG WON SUH <sup>1</sup>	<sup>1</sup> Department of Physiology, Hallym University, college of Medicine, Chuncheon, Korea, Republic of, <sup>2</sup> Department of Neurology, Hallym University, college of Medicine, Chuncheon, Korea, Republic of	P-03-1404
P12.15	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Potential role of TRPC4 in neurodevelopmental disorders	<b>JEE YOUNG SEO<sup>1</sup></b> , SEUNG YEON KO <sup>2</sup> , GI YOUNG SON <sup>1</sup> , DO GYEONG KIM <sup>1</sup> , HYEON SON <sup>2</sup>	<sup>1</sup> Graduate School of Biomedical Science and Engineering, Hanyang University, Seoul, Korea, Republic of, <sup>2</sup> Department of Biochemistry and Molecular Biology, College of Medicine, Hanyang University, Seoul, Korea, Republic of	P-03-1401
P12.16	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Effect of chronic fluoxetine administration on brain mRNA levels of 5-HT1A receptor gene and its repressors CG2D1A/Freud-1 and CG2D1B/Freud-2 in mouse lines differed by 5-HT1A receptor sensitivity	<b>ELENA KONDAUROVA<sup>1</sup></b> , ALEXANDER RODNYI <sup>1</sup> , VLADIMIR NAUMENKO <sup>1</sup>	<sup>1</sup> Institute of Cytology and Genetics SB RAS, Novosibirsk, Russia	P-03-1397
P12.17	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Neuritin produces antidepressant-like behaviors through HDAC5 phosphorylation	<b>SEUNG HOON LEE<sup>1</sup></b> , MIYEON CHOI <sup>1</sup> , SEUNG YEON KO <sup>2</sup> , GI YOUNG SON <sup>1</sup> , DO GYEONG KIM <sup>1</sup> , HYEON SON <sup>2</sup>	<sup>1</sup> Graduate School of Biomedical Science and Engineering, Hanyang University, Seoul, Korea, Republic of, <sup>2</sup> Department of Biochemistry and Molecular Biology, College of Medicine, Hanyang University, Seoul, Korea, Republic of, <sup>3</sup> Hanyang Biomedical Research Institute, Hanyang University, Seoul, Korea, Republic of	P-03-1395
P12.18	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Dopamine D1 Receptor (D1R) expression is controlled by a transcriptional repressor complex containing DISC1	<b>YEONGJUN SUH<sup>1</sup></b> , SU-JIN NOH <sup>1</sup> , SAEBOM LEE <sup>2</sup> , BO KYOUNG SUH <sup>3</sup> , SU-BEEN LEE <sup>4</sup> , JIN-HYUK CHOI <sup>5</sup> , JAEHOON JEONG <sup>6</sup> , SANGJUNE KIM <sup>7</sup> , SANG KI PARK <sup>1</sup> , SANG KI PARK <sup>1</sup>	<sup>1</sup> Pohang University of Science and Technology, Pohang, Korea, Republic of, <sup>2</sup> The Johns Hopkins University of School of Medicine, Baltimore, USA, <sup>3</sup> Korea Advanced Institute of Science and Technology, Daejeon, Korea, Republic of, <sup>4</sup> National Institutes of Health, Bethesda, USA	P-03-1393
P12.19	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Label-free high resolution proteomic analysis of cerebrospinal fluid in Alzheimer's disease	<b>SUN AH PARK<sup>1</sup></b> , JIN MYUNG JUNG <sup>2</sup> , JUN SUNG PARK <sup>3</sup> , JEONG HO LEE <sup>3</sup> , BUMHEE PARK <sup>1</sup> , HYUNG JUN KIM <sup>1</sup> , JEONGHO PARK <sup>1</sup> , WON SEOK CHAE <sup>1</sup> , JEE HYANG JEONG <sup>2</sup> , SEONG HYE CHOI <sup>4</sup> , JE-HYUN BAEK <sup>5</sup>	<sup>1</sup> Ajou University School of Medicine, Suwon, Korea, Republic of, <sup>2</sup> Department of Data Science, The University of Suwon, Suwon, Korea, Republic of, <sup>3</sup> Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea, Republic of, <sup>4</sup> Seonchunhyang University Bucheon Hospital, Bucheon, Korea, Republic of, <sup>5</sup> Tewha Womens University Madong Hospital, Seoul, Korea, Republic of, <sup>6</sup> Inha University School of Medicine, Incheon, Korea, Republic of, <sup>7</sup> R&D Center for Clinical Mass Spectrometry, Seegene Medical Foundation, Seoul, Korea, Republic of	P-03-1391
P12.20	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Drug screening for regulating $\alpha$ -synuclein propagation	<b>JOO-KO MIN<sup>1</sup></b> , HYUN-KYUNG CHUNG <sup>1</sup> , SEUNG-JAE LEE <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-03-1383
P12.21	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Oxidative stress reduces the expression of glutamate decarboxylases through transcripts down-regulation	<b>SEONG-EUN LEE<sup>1</sup></b> , GUM HWA LEE <sup>1</sup>	<sup>1</sup> Dong-A University, Gwangju, Korea, Republic of	P-03-1382
P12.22	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Rubrofusarin improves memory loss in an AB-induced Alzheimer's disease-like mouse model	<b>EUNBI CHO<sup>1</sup></b> , HUIYOUNG KWON <sup>1</sup> , JIEUN JEON <sup>1</sup> , DONG HYUN KIM <sup>1</sup>	<sup>1</sup> Dong-A university, Busan, Korea, Republic of	P-03-1378
P12.23	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Modulation of inhibitory microenvironment in the hydrogel-induced extracellular matrix to enhance axonal regeneration following spinal cord injury	<b>HEE HWAN PARK<sup>1</sup></b> , DONG HOON HWANG <sup>1</sup> , HYUNG SODN KIM <sup>1</sup> , BYUNG GON KIM <sup>1</sup>	<sup>1</sup> Department of Brain Science, Ajou University School of Medicine, Suwon, Korea, Republic of	P-03-1377
P12.24	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Identification of a small molecule that alleviates synaptic and cognitive deficits in APP/PS1 mice	<b>YUMEI LIAO<sup>1</sup></b> , XIAOJI ZHUANG <sup>1</sup> , PENG LIU <sup>1</sup> , XIAOJIE HUANG <sup>1</sup> , YINGHUI PENG <sup>1</sup> , LEI SHI <sup>1</sup>	<sup>1</sup> JNU-HKUST Joint Laboratory for Neuroscience and Innovative Drug Research, Jinan University, Guangzhou, China	P-03-1376
P12.25	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	On the behavior and 5-HT1A receptor functioning in the brain of BTR mice – the animal model of autism	<b>VLADIMIR NAUMENKO<sup>1</sup></b> , ALEXANDER RODNYI <sup>1</sup> , NIKITA KHOTSKIN <sup>1</sup> , YEGOR ANTONOV <sup>1</sup> , ELENA KONDAUROVA <sup>1</sup> , ELIZABETH KULIKOVA <sup>1</sup>	<sup>1</sup> Institute of Cytology and Genetics, Novosibirsk, Russia	P-03-1375
P12.26	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Infiltration of Th17 lymphocytes in the substantia nigra of non-human primate model of Parkinson's disease	<b>JINCHEOL SEO<sup>1</sup></b> , JUNGHYUNG PARK <sup>1</sup> , JINYOUNG JEON <sup>1</sup> , HYEON-UG YEO <sup>1</sup> , KEONWOO KIM <sup>1</sup> , CHANG-YEOP JEON <sup>1</sup> , DONG-SEOK LEE <sup>2</sup> , YOUNGJEON LEE <sup>1</sup>	<sup>1</sup> National Primate Research Center, Korea Research Institute of Bioscience and Biotechnology (KRIBB), Cheongju, Korea, Republic of, <sup>2</sup> School of Life Sciences, BK21 Plus KNU Creative BioResearch Group, Kyungpook National University, Daegu, Korea, Republic of	P-03-1374
P12.27	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Identification of a novel translocation mechanism of TFEB in neurodegeneration	<b>GISEONG CHO<sup>1</sup></b> , YOUNG J OH <sup>1</sup> , NURI YUN <sup>2</sup>	<sup>1</sup> Department of Systems Biology, Yonsei University College of Life Science and Biotechnology, Seoul, Korea, Republic of, <sup>2</sup> Institute of Life Science and Biotechnology, Yonsei University, Seoul, Korea, Republic of	P-03-1366
P12.28	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Effects of combined treatment with acupuncture and herbal medicine in a mouse model of parkinson's disease	<b>TAE-YEON HWANG<sup>1</sup></b> , MIN-A SONG <sup>1</sup> , SORA AHN <sup>1</sup> , JU-YOUNG OH <sup>1</sup> , HI-JOON PARK <sup>1</sup>	<sup>1</sup> Acupuncture and Meridian Science Research Center, Kyung Hee University, Seoul, Korea, Republic of	P-03-1365
P12.29	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Loss of Ataxin-1 potentiates Alzheimer's pathogenesis by elevating cerebral BACE1 transcription	<b>JAEHONG SUH<sup>1</sup></b> , DONNA ROMANO <sup>1</sup> , LARISSA NITSCHKE <sup>2</sup> , SCOTT HERRICK <sup>3</sup> , BRITT DIMARZIO <sup>4</sup> , VOLODYMYR DZHALA <sup>5</sup> , JUN-SEOK BAE <sup>6</sup> , MARY ORAM <sup>7</sup> , YUEJIAO ZHENG <sup>8</sup> , BASAVARAJ HOOL <sup>9</sup> , KRISTINA MULLIN <sup>10</sup> , VINCENZO GENNARINO <sup>11</sup> , WILMA WASCO <sup>12</sup> , JEREMY SCHMAMMANN <sup>13</sup> , MARK ALBERS <sup>14</sup> , HUDA ZOGBHI <sup>15</sup> , RUDOLPH TANZI <sup>16</sup>	<sup>1</sup> Harvard Medical School - MGH, Boston, MA, USA, <sup>2</sup> Baylor College of Medicine, Houston, Texas, USA	P-03-1354
P12.30	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Effect of agonists and antagonists of muscarinic receptor type 2 and 4 on the anticonvulsive activity of sparteine in an acute kainic acid murine model	<b>FRIDHA VIRIDIANA VILLALPANDO VARGAS<sup>1</sup></b> , SOFIA RODRIGUEZ MERCADO <sup>1</sup> , MARISOL MALDONADO MORA <sup>1</sup> , SAMUEL ARELLANO LEYVA <sup>1</sup> , LAURA MEDINA CEJA <sup>1</sup>	<sup>1</sup> University of Guadalajara, Guadalajara, Mexico	P-03-1352
P12.31	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	A $\beta$ oligomers impair mGluR5-mediated enhancement of depolarization-induced suppression of inhibition by disrupting PLC $\beta$ -dependent endocannabinoid mobilization	<b>JAEDONG LEE<sup>1</sup></b> , JEEHYUN KWAG <sup>1</sup>	<sup>1</sup> Dept. of Brain and Cognitive Engineering, Korea University, Seoul, Korea, Republic of	P-03-1351
P12.32	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Potential role of ellagic acid in reduction of oxidative stress after status epilepticus induced in rats	<b>KENIA PARDO-PEÑA<sup>1</sup></b> , ANA SANCHEZ-LIRA <sup>1</sup> , ALDO YAREZ-HERNÁNDEZ <sup>1</sup> , LAURA MEDINA-CEJA <sup>1</sup>	<sup>1</sup> Laboratory of Neurophysiology, Department of Cellular and Molecular Biology, University of Guadalajara, Zapopan, Mexico	P-03-1343
P12.33	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Chronic kidney disease exacerbates post-stroke brain damage	<b>RAGHU VEMUGANTI<sup>1</sup></b> , BHARATH CHELLUBOINA <sup>2</sup> , SURESH L MEHTA <sup>3</sup> , TAEHEE KIM <sup>4</sup> , ANIL K CHOKKALLA <sup>5</sup> , SAIVENKATESHKOMAL BATHULA <sup>6</sup> , JIN SOO PARK <sup>7</sup>	<sup>1</sup> Department of Neurological Surgery, Cell and Molecular Pathology Graduate Program, University of Wisconsin, Madison, WI, USA and William S. Middleton Veterans Administration Hospital, Madison, WI, USA, Madison, USA, <sup>2</sup> Department of Neurological Surgery, University of Wisconsin, Madison, WI, USA, Madison, USA, <sup>3</sup> Department of Neurological Surgery, Cell and Molecular Pathology Graduate Program, University of Wisconsin, Madison, WI, USA, Madison, USA	P-03-1342

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P12.34	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Both WFS1 and CISD2 are required for endoplasmic reticulum calcium uptake, which controls mitochondrial function in neurons	ALLEN KAASIK <sup>1</sup> , MAILIS LIIV <sup>1</sup> , ANNIKA VAARMANN <sup>1</sup> , MALLE KUUM <sup>1</sup> , DZAMILJA SAFULIINA <sup>1</sup> , VLADIMIR VEKSLER <sup>1</sup>	<sup>1</sup> University of Tartu, Tartu, Estonia, <sup>2</sup> INSERM, Châtenay-Malabry, France	P-03-1336
P12.35	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	TMEM43, a Novel Passive Conductance Channel of Cochlear Glia is Critical for Maintenance of Speech Discrimination	MINWOO JANG <sup>1</sup> , DOO-YI OH <sup>2</sup> , EUNYOUNG YI <sup>3</sup> , WOONGYANG PARK <sup>1</sup> , BYUNG YOON CHOI <sup>4</sup> , CHANGJOON LEE <sup>1</sup>	<sup>1</sup> Institute for Basic Science, Daejeon, Korea, Republic of, <sup>2</sup> Seoul National University Bundang Hospital, Bundang, Korea, Republic of, <sup>3</sup> Mokpo National University, Mokpo, Korea, Republic of, <sup>4</sup> Samsung Medical Center, Seoul, Korea, Republic of	P-03-1334
P12.36	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	APOE Genotype Differentially Regulates Mitophagy	BO-RAM LEE <sup>1</sup> , CHANGJAE YO <sup>1</sup> , JAEKWANG KIM <sup>1</sup>	<sup>1</sup> Department of Neural Development and Disease, Korea Brain Research Institute, Daegu, 41062, Daegu, Korea, Republic of	P-03-1332
P12.37	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Development of Trans-cellular Propagation of Tau by Bimolecular Fluorescence Complementation technique	EUGENE BOK <sup>1</sup> , JI MIN LEE <sup>1</sup> , JAEKWANG KIM <sup>1</sup>	<sup>1</sup> Department of Neurodevelopment and Disease, Korea Brain Research Institute (KBRI), Daejeon, Korea, Republic of	P-03-1330
P12.39	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Mechanism for the learning disability in RAS-ERK signaling-associated neurodevelopmental disorder	MINKYUNG KANG <sup>1</sup> , BENJAMIN G. NEEL <sup>2</sup> , HYUN-HEE RYU <sup>1</sup> , SUNYONG KIM <sup>1</sup> , YONG-SEOK LEE <sup>1</sup>	<sup>1</sup> Department of Physiology, Seoul National University College of Medicine, Seoul, Korea, Republic of, <sup>2</sup> Laura and Isaac Perlmutter Cancer Center, New York University Langone Medical Center, New York, USA	P-03-1328
P12.40	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Upregulation of MeCP2 level in Red Nucleus Cause Late-life Depressive phenotypes	YUNJUNG CHOI <sup>1</sup> , JEEWON RYU <sup>1</sup> , HYE-SUN KIM <sup>2</sup> , HEH-ILIM <sup>1</sup>	<sup>1</sup> Convergence Research Center for Diagnosis, Treatment and Care System of Dementia, Korea Institute of Science and Technology (KIST), Seoul, Korea, Republic of, <sup>2</sup> Department of Pharmacology, College of Medicine, Seoul National University, Seoul, Korea, Republic of	P-03-1326
P12.41	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Therapeutic effects of Agomelatine on desynchronized diurnal rhythms of sleep/wake cycle and home cage motor activity in an experimental model of melatonin deficit	JANA TCHKALAROVA <sup>1</sup> , NATASHA IVANOVA <sup>1</sup> , LIDIA KORTENSKA <sup>1</sup>	<sup>1</sup> Institute of Neurobiology, Sofia, Bulgaria	P-03-1325
P12.42	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	PPV-6 suppresses amyloid-beta (Aβ)-induced cell cycle reentry in differentiated primary cortical neurons	DING-YANG <sup>1</sup> , BO-YU HOU <sup>1</sup>	<sup>1</sup> Institute of Brain Science, National Yang-Ming University, Taipei, Taiwan, China	P-03-1323
P12.43	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Cocaine- and amphetamine-regulated transcript peptide as a possible common biomarker for the symptoms expressed in major depressive disorders and amphetamine withdrawal syndrome	HYUNG SHIN YOON <sup>1</sup> , JUNGWON LEE <sup>1</sup> , KOTARO HATTORI <sup>2</sup> , DAIJI SASAYAMA <sup>3</sup> , MIHO OTA <sup>4</sup> , HIROSHI KUNUGI <sup>5</sup> , JEONGHOON KIM <sup>1</sup>	<sup>1</sup> Department of Physiology, Yonsei University College of Medicine, Seoul, Korea, Republic of, <sup>2</sup> Department of Mental Disorder Research, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Tokyo, Japan, <sup>3</sup> Department of Psychiatry, Shinshu University School of Medicine, Matsumoto, Japan	P-03-1321
P12.44	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	The psychomotor properties of beta-phenylethylamine in rodents	EUN YOUNG JANG <sup>1</sup> , SEONG SHOON YOON <sup>1</sup> , JI SUN KIM <sup>1</sup> , WOO HYUN KIM <sup>1</sup> , MINHAN KA <sup>1</sup> , TAE WAN KIM <sup>1</sup> , RI-NA LIM <sup>1</sup> , YOUNG JU LEE <sup>1</sup> , CHANGHOON CHOI <sup>1</sup> , JOUNG-WOOK SEO <sup>1</sup>	<sup>1</sup> Korea Institute of Toxicology, Daejeon, Korea, Republic of	P-03-1319
P12.45	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Tmem74 regulates anxiety-like behavior through HCN1 channels in BLA pyramidal neurons	NINGHE SUN <sup>1</sup> , DANYANG CHEN <sup>2</sup> , LINGXIAO SHAO <sup>2</sup> , QUAN BIAO <sup>2</sup> , FENG HANG <sup>1</sup>	<sup>1</sup> College of Pharmaceutical Sciences, Zhejiang University, Hangzhou, China, <sup>2</sup> College of Pharmaceutical Sciences, Zhejiang University, Hangzhou, China, China	P-03-1317
P12.46	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Fluoxetine-induced Upregulation of Dopamine D2 Receptor and its Pharmacological Roles in the Hippocampal mossy cells.	GYOCHANG HONG <sup>1</sup> , JIN-HYEOK JANG <sup>1</sup> , MINHYE KIM <sup>1</sup> , YONG-SEOK OH <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of	P-03-1316
P12.47	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Hippocampal mossy cell involvement in behavioral and neurogenic responses to chronic antidepressant treatment	SEO-JIN OH <sup>1</sup> , PAUL GREENGARD <sup>2</sup> , JIA CHENG <sup>2</sup> , YONG-SEOK OH <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of, <sup>2</sup> Rockefeller University, New York, USA	P-03-1314
P12.48	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Depressive disorder induced by defective PTPRT activity	SO-HEE LIM <sup>1</sup> , KYOUNG-SHIM KIM <sup>1</sup> , SUN SEEK MIN <sup>2</sup> , NA-YOON LEE <sup>1</sup> , JAE-RAN LEE <sup>1</sup>	<sup>1</sup> Korea Research Institute of Bioscience and Biotechnology, Daejeon, Korea, Republic of, <sup>2</sup> School of Medicine, Eulji University, Daejeon, Korea, Republic of	P-03-1313
P12.49	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	The roles of several signal molecules in the production of antinociception by acute immobilization stress and the development of antinociceptive tolerance by chronic immobilization stress	HONG SUH <sup>1</sup> , JING HUI <sup>1</sup> , HEE LEE <sup>1</sup>	<sup>1</sup> Department of Pharmacology, College of Medicine, Hallym University, Chuncheon, Korea, Republic of	P-03-1308
P12.50	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Modulation of immune-mediated cytokines for the recovery of motor function after stroke in mice	KYOUNG IN KIM <sup>1</sup> , YOUNG CHEUL CHUNG <sup>2</sup> , JAE YEONG JEON <sup>3</sup> , JAE GEUN JANG <sup>3</sup> , AH REUM HONG <sup>3</sup> , BYUNGKWAN JIN <sup>2</sup>	<sup>1</sup> Department of Neuroscience, Graduate school, Kyung Hee University, Seoul, Korea, Republic of, <sup>2</sup> Department of Biochemistry & Molecular Biology, Kyung Hee University, Seoul, Korea, Republic of	P-03-1290
P12.51	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Tyrosine nitration of glutamine synthetase is increased in the prefrontal cortex of chronic immobilization stress-induced depressive mouse	JAE SOON KANG <sup>1</sup> , JI HYEONG BAEK <sup>1</sup> , HYEONWI SON <sup>1</sup> , HYUN JOON KIM <sup>1</sup>	<sup>1</sup> Department of Anatomy and Convergence Medical Sciences, Institute of Health Sciences, Bio-Anti-Aging Medical Research Center, Gyeongsang National University Medical School, Jinju, Korea, Republic of	P-03-1288
P12.52	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	The novel melatonergic drug Piromelatine and its beneficial influence on anxiety in prenatally stressed offspring	NATASHA IVANOVA <sup>1</sup> , ZLATINA NENCHOVSKA <sup>1</sup> , LIDIA KORTENSKA <sup>1</sup> , RUMIANA MITREVA <sup>1</sup> , TSVETA STOYANOVA <sup>1</sup> , JANE TCHKALAROVA <sup>1</sup>	<sup>1</sup> Institute of Neurobiology, Bulgarian Academy of Sciences, Sofia, Bulgaria	P-03-1283
P12.53	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Control of neuropathic pain by lateral parabrachial nucleus	LI SHU <sup>1</sup> , SHUMIN DUAN <sup>1</sup>	<sup>1</sup> Department of Neurobiology, Key Laboratory of Medical Neurobiology of Ministry of Health of China, Key Laboratory of Neurobiology, Zhejiang University School of Medicine, Hangzhou, Zhejiang 310058, Hangzhou, China	P-03-1281
P12.54	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Primary tumors of the central nervous system in Mongolia	ORKHONTUL SHIRMEN <sup>1</sup> , KHLUSAYAN KHAIRULLA <sup>1</sup> , AVAAGJIGMED LKHAMJAV <sup>1</sup> , TSETSEGDELGER MUNKHJARZGAL <sup>2</sup> , TOVUUDORJ AVIRMED <sup>3</sup> , ENKSHAIKHAN LKHAGVASUREN <sup>4</sup>	<sup>1</sup> Shadin central hospital, Department of Neurosurgery, Ulaanbaatar, Mongolia, <sup>2</sup> Department of Adult Pathology, National Center for Pathology, Ulaanbaatar, Mongolia, <sup>3</sup> University of Medical Sciences, Department of Medicine school, Ulaanbaatar, Mongolia, <sup>4</sup> Department of Microbiology and Immunology, School of Bio-Medicine, Mongolian National University of Medical Sciences, Ulaanbaatar, Mongolia	P-03-1280
P12.55	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Early synaptic pathologies in a mouse model of prodromal Parkinson's disease	IKUKO AMANO <sup>1</sup> , TOMOYUKI TAGUCHI <sup>1</sup> , MASASHI IKUNO <sup>1</sup> , HODAKA YAMAKAKO <sup>1</sup> , YUSUKE HATANAKA <sup>1</sup> , RYOSUKE TAKAHASHI <sup>1</sup>	<sup>1</sup> Department of Neurology, Graduate School of Medicine, Kyoto University, 54 Kawaharaku, Shogoin, Sakyo-ku, Kyoto City, Japan	P-03-1273
P12.56	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Single-cell profiling of tumors more accurately classifies glioma molecular subtypes	WEIWEI XIAN <sup>1</sup> , MOHAMMAD IMAM HASAN BIN ASAD <sup>2</sup> , SHUAI WU <sup>1</sup> , FENGJIAO LI <sup>1</sup> , JUNFENG LU <sup>1</sup> , HONG CHEN <sup>1</sup> , YING MAO <sup>3</sup> , LIANGFU ZHOU <sup>4</sup> , GUOMIN ZHOU <sup>1</sup> , JINSONG WU <sup>1</sup> , EDWIN WANG <sup>5</sup> , LINYA YOU <sup>1</sup>	<sup>1</sup> Department of Human Anatomy & Histoembryology, School of Basic Medical Sciences, Fudan University, Shanghai, China, <sup>2</sup> University of Calgary, Cumming School of Medicine, Calgary, Alberta, Canada, <sup>3</sup> Alberta, Canada, <sup>4</sup> Gioma Surgery Division, Neurological Surgery Department of Huashan Hospital, Fudan University, Shanghai, China, <sup>5</sup> Department of Pathology, Huashan Hospital, Fudan University, Shanghai, China, Shanghai, China, <sup>6</sup> Department of Neurosurgery, Huashan Hospital, Fudan University, Shanghai, China	P-03-1272
P12.57	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	The potent psychomotor, rewarding and reinforcing properties of 3-fluoromethamphetamine in rodents	IN SOO RYU <sup>1</sup> , SEONG SHOON YOON <sup>1</sup> , YOUNG EUN LEE <sup>1</sup> , WOO HYUN KIM <sup>1</sup> , JI SUN KIM <sup>1</sup> , JAE HOON CHEONG <sup>1</sup> , HEE JIN KIM <sup>1</sup> , CHOON-GON JANG <sup>2</sup> , YONG SUP LEE <sup>1</sup> , MINHAN KA <sup>1</sup> , DONG HO WOO <sup>1</sup> , EUN YOUNG JANG <sup>1</sup> , JOUNG-WOOK SEO <sup>1</sup>	<sup>1</sup> Korea Institute of Toxicology, Daejeon, Korea, Republic of, <sup>2</sup> Sahmyook University, Seoul, Korea, Republic of, <sup>3</sup> Sungkyunkwan University, Seoul, Korea, Republic of, <sup>4</sup> Kyung Hee University, Seoul, Korea, Republic of	P-03-1271
P12.58	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Cell-based screen using Tet-Off model of amyloid expression reveals novel compounds targeting disease-associated protein aggregates	HEEJEONG KIM <sup>1</sup> , SANGWOO HAM <sup>1</sup> , HYOJUNG KIM <sup>1</sup> , YUNJONG LEE <sup>1</sup>	<sup>1</sup> Sungkyunkwan university, suwon, Korea, Republic of	P-03-1270
P12.59	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Neuronal protective effect of GSK3β inhibition in Drosophila ALS model	HYUN-JUN CHOI <sup>1</sup> , SUNJOO CHA <sup>1</sup> , KIYOUNG KIM <sup>1</sup>	<sup>1</sup> Soonchunhyang Institute of Medi-bio Science (SIMS), Cheonan, Korea, Republic of	P-03-1266
P12.60	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Gender-related differences in the regional distribution of brain iron in A53T transgenic mice	LE QU <sup>1</sup> , HUAMIN XU <sup>1</sup> , JUNXIA XIE <sup>1</sup>	<sup>1</sup> Shandong Provincial Key Laboratory of Pathogenesis and Prevention of Neurological Disorders, Shandong Provincial Collaborative Innovation Center for Neurodegenerative Disorders and State Key Disciplines, The department of Physiology, Qingdao University, Qingdao, China	P-03-1264
P12.61	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	DNAJA1 as a novel CRL4 <sup>CRBN</sup> substrate induces resistance to stress and tau pathology.	UROOS AKBER <sup>1</sup> , HEEJI JO <sup>1</sup> , SEUNG-JOO YANG <sup>1</sup> , SEUNG-JE JEON <sup>1</sup> , PARK CHUL-SEUNG <sup>1</sup>	<sup>1</sup> Gwangju Institute of Science and Technology, Gwangju, Korea, Republic of	P-03-1261
P12.62	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	The gut microbiome dysbiosis and inflammation-driven pathogenesis of Alzheimer's disease animal model	SANG TAE KIM <sup>1</sup> , SANGYUN KIM <sup>1</sup>	<sup>1</sup> Bundang Hospital in Seoul National University, Seongnam, Korea, Republic of	P-03-1259
P12.63	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Comparison of pathophysiological changes of white matter and gray matter under focal ischemic stroke condition	MUHAMMAD MOHSIN QURESHI <sup>1</sup> , SEUNGLIN RYU <sup>1</sup> , YOUNGHOO SHIN <sup>2</sup> , HYUK-SANG KWON <sup>2</sup> , HYOUNG-IHL KIM <sup>1</sup> , EUHHEON CHUNG <sup>1</sup>	<sup>1</sup> Department of Biomedical Science and Engineering, Gwangju Institute of Science and Technology (GIST), 123 Cheomdangwagi-Ro, Buk-gu, Gwangju 61005, Korea, Republic of, <sup>2</sup> Korea Photonics Technology Institute, 9, Cheomdan Venture-ro 10Beon-gil, Buk-gu, Gwangju 61007, Korea, Republic of	P-03-1258
P12.64	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Changes in immunoreactivity to cellular markers associated with comenins in the hippocampus of epileptic rats with fast ripple activity	LAURA MEDINA-CEJA <sup>1</sup> , GUSTAVO A. CHIPRÉS-TINAJERO <sup>1</sup> , MIGUEL A. NUÑEZ-OCHOA <sup>1</sup>	<sup>1</sup> University of Guadalajara, Guadalajara, Mexico	P-03-1251
P12.65	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Amyloid β oligomers suppress excitatory transmitter release via presynaptic depletion of phosphatidylinositol-4,5-bisphosphate	XIAOLIN MA <sup>1</sup> , YANG HE <sup>2</sup> , YUDONG ZHOU <sup>1</sup>	<sup>1</sup> Zhejiang University Hangzhou, China, <sup>2</sup> Zhejiang University, Hangzhou, China	P-03-1247
P12.66	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Molecular adaptations of the blood-brain barrier promoting depression or stress resilience	CAROLINE MENARD <sup>1</sup> , KATARZYNA DUDEK <sup>1</sup> , LAURENCE DION-ALBERT <sup>1</sup> , MANON LABELL <sup>1</sup> , KATHERINE LECLAIR <sup>1</sup> , ELLEN TUCK <sup>2</sup> , CARMEN FERRER PEREZ <sup>3</sup> , SAM A GOLDEN <sup>4</sup> , NAGUIB MECHAWAR <sup>5</sup> , SCOTT J RUSSEO <sup>6</sup>	<sup>1</sup> Universitè Laval, Quebec City, Canada, <sup>2</sup> icahn School of Medicine at Mount Sinai, New York, USA, <sup>3</sup> Trinity College Dublin, Dublin, Ireland, <sup>4</sup> University of Valencia, Valencia, Spain, <sup>5</sup> University of Washington, Seattle, USA, <sup>6</sup> McGill University, Montreal, Canada	P-03-1245
P12.67	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Hypoxia Exosomes exacerbate proteopathy by dampening lysosomal activity	M SUK LEE <sup>1</sup> , HYUN JIN JUNG <sup>1</sup> , YOUNGSHIK CHOE <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of	P-03-1244
P12.68	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Cardiorespiratory fitness is associated with hippocampal cognitive reserve in older adults with amnesic mild cognitive impairment	YALIA LERNER <sup>1</sup> , TAMIR EISENSTEIN <sup>1</sup> , HAGGAI SHARON <sup>2</sup> , GALIT YOGEV <sup>3</sup> , NIR GLADI <sup>1</sup>	<sup>1</sup> Bar Ilan University, Ramat Gan, Israel, <sup>2</sup> Tel Aviv Sourasky Medical Center, Tel Aviv, Israel, <sup>3</sup> Herta and Paul Amirson Institute of Brain Research, Tel Aviv, Israel	P-03-1243
P12.69	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Aging of the primary visual cortex is accompanied by diminished neurotrophic factor	JONG PIL KIM <sup>1</sup> , M SUK LEE <sup>1</sup> , YURA CHOI <sup>1</sup> , DASOM KIM <sup>1</sup> , SEUNG HEE CHOI <sup>1</sup> , YOUNGSHIK CHOE <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of	P-03-1242
P12.70	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	The contribution of cerebral vascular pulsations to perivascular drainage in Alzheimer's disease and aging	SHINHEUN KIM <sup>1</sup> , PETER LEE <sup>1</sup> , YONG JEONG <sup>1</sup>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of	P-03-1237
P12.71	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Common and rare C5DE1 variants associate with autism risk and interferes with neuronal development and synaptic transmission	HUI GUO <sup>1</sup> , YING LU <sup>2</sup> , LU SHEN <sup>1</sup> , KUN XIA <sup>1</sup>	<sup>1</sup> Central South University, Changsha, China, <sup>2</sup> Central South University, CHANGSHA, China	P-03-1236
P12.72	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	The Strategy of Screening Novel Substrates for Hyper-activated Cdk5 by LC-MS/MS	DANA KIM <sup>1</sup> , YOUNG J. OH <sup>1</sup> , NURI YUN <sup>2</sup>	<sup>1</sup> Department of Systems Biology, Yonsei University College of Life Science and Biotechnology, Seoul, Korea, Republic of, <sup>2</sup> Institute of Life Science and Biotechnology, Yonsei University, Seoul, Korea, Republic of	P-03-1235
P12.73	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Cupric chloride induces neuronal death by causing abnormal autophagic flux	YOONKYUNG KIM <sup>1</sup> , MINJUNG CHOO <sup>1</sup> , YOUNG J. OH <sup>1</sup>	<sup>1</sup> Department of Systems Biology, Yonsei University College of Life Science and Biotechnology, Seoul, Korea, Republic of	P-03-1234
P12.74	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Downregulated autophagy is an upstream event that directly contributes to caspase-dependent neuronal cell death	YUHYUN CHUNG <sup>1</sup> , GISEONG CHO <sup>1</sup> , YOUNG J OH <sup>1</sup>	<sup>1</sup> Yonsei university/systems biology, Seoul, Korea, Republic of	P-03-1233
P12.75	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Negr1 controls adult hippocampal neurogenesis and affective behaviors	KYUNGCHUL NOH <sup>1</sup> , HYUNKYOUNG LEE <sup>2</sup> , TAE-YOUNG CHOI <sup>3</sup> , YEONHEE JOO <sup>3</sup> , SOO-JOENG KIM <sup>1</sup> , HYEJIN KIM <sup>1</sup> , JIN YOUNG KIM <sup>1</sup> , JEONG WON JAHNG <sup>1</sup> , SOOJIN LEE <sup>1</sup> , SE-YOUNG CHOI <sup>1</sup> , SUNG JOONG LEE <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Seoul National University, Seoul, Korea, Republic of, <sup>3</sup> Chungnam National University, Daejeon, Korea, Republic of	P-03-1232
P12.76	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Amyloid precursor protein regulates depolarization-induced calcium-mediated signaling in brain slices	SPIRO EFTHIMIOPOULOS <sup>1</sup> , MARIA CHATZISTAVRAKI <sup>1</sup> , PANAGIOTA PAPAFAZIRI <sup>1</sup>	<sup>1</sup> National and Kapodistrian University of Athens, Ilisia, Greece	P-03-1227

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P12.77	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Systemic human umbilical cord-derived mesenchymal stem cells administration restore abnormal behaviors in schizophrenia animal model	<b>MIN-JUNG YU<sup>1</sup></b> , HYUN-SUN PARK <sup>2</sup> , BOHYUN YANG <sup>3</sup> , KYU BEOM JANG <sup>4</sup> , SANG-HYUK LEE <sup>5</sup> , MINSOO KWON <sup>6</sup>	<sup>1</sup> CHA university, Seong-nam, Korea, Republic of, <sup>2</sup> Bundang CHA hospital, Seong-nam, Korea, Republic of	P-03-1212
P12.78	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Particulate matter exposure and hippocampal redox imbalance in old mice	<b>JIMIN LEE<sup>1</sup></b> , SOO JIN PARK <sup>2</sup> , SEUNGHOON LEE <sup>3</sup> , DO YUP LEE <sup>4</sup> , SUNHO PARK <sup>5</sup> , EOSU KIM <sup>6</sup>	<sup>1</sup> Yonsei University, Seoul, Korea, Republic of, <sup>2</sup> Kookmin University, Seoul, Korea, Republic of, <sup>3</sup> Dankook University, Yongin, Korea, Republic of	P-03-1199
P12.79	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	The Impacts of Early Social Experience on Social Novelty Preference and Neural Circuits	<b>GAEUN PARK<sup>1</sup></b> , CHANGHYEON RYU <sup>2</sup> , YONG SEOK LEE <sup>3</sup>	<sup>1</sup> Department of Physiology, Department of Biomedical Sciences, College of Medicine, Seoul National University, Seoul, 03080, Korea, Republic of, <sup>2</sup> The Pwizer institute for learning and memory, MIT, Cambridge, Massachusetts, 02139, USA	P-03-1193
P12.80	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Frontal lobe epilepsy is associated with lower dopaminergic neurotransmission	<b>LUISA ROCHA<sup>1</sup></b> , DANIEL FONSECA-BARRIETOS <sup>2</sup> , MARIO ALONSO-VANEGAS <sup>3</sup> , FRANCIA CARMONA <sup>4</sup> , IRIS MARTINEZ <sup>5</sup>	<sup>1</sup> Center of Research and Advanced Studies, Mexico City, Mexico, <sup>2</sup> Hospital HMG, Mexico City, Mexico, <sup>3</sup> National Institute of Neurology and Neurosurgery, Mexico City, Mexico	P-03-1190
P12.81	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Inhibitory neuron-specific expression of a raspathy-associated mutant Kras impairs learning and memory in mice	<b>HYUN-HEE RYU<sup>1</sup></b> , MINKYUNG KANG <sup>2</sup> , KYOUNG-DOO HWANG <sup>3</sup> , YONG-SEOK LEE <sup>4</sup>	<sup>1</sup> Department of Physiology, Seoul National University College of Medicine, Seoul, Korea, Republic of	P-03-1178
P12.82	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Blocking Lin28a prevents epilepsy-associated cognitive impairment by ameliorating aberrant hippocampal neurogenesis	<b>CHEONG A BAE<sup>1</sup></b> , JAE-MIN LEE <sup>2</sup> , JUNG-HO CHA <sup>3</sup> , SEONG YUN KIM <sup>4</sup> , JENNY HSIEH <sup>5</sup> , KYUNG-OK CHO <sup>6</sup>	<sup>1</sup> Department of Pharmacology, College of Medicine, The Catholic University, Seoul, Korea, Republic of, <sup>2</sup> Department of Anatomy, College of Medicine, The Catholic University, Seoul, Korea, Republic of, <sup>3</sup> Department of Biology, The University of Texas at San Antonio, Texas, USA	P-03-1176
P12.83	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	CRISPR/Cas9-mediated gene editing strategy to modulate <i>Pip1</i> expression for Pelizaeus Merzbacher disease caused by <i>Pip1</i> duplication	<b>GYU-BON CHO<sup>1</sup></b> , JAE YOUNG LEE <sup>2</sup>	<sup>1</sup> Toolegen, Seoul, Korea, Republic of	P-03-1172
P12.84	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Molecular decoding of post traumatic stress disorder via time-resolved measurement of newly synthesized and existing RNA	<b>YE EUN KIM<sup>1</sup></b> , JOUNG-HUN KIM <sup>2</sup> , SEUNG TAE BAEK <sup>3</sup>	<sup>1</sup> Division of Integrative Biosciences and Biotechnology, POSTECH, Pohang, Korea, Republic of, <sup>2</sup> Department of Life Sciences, POSTECH, Pohang, Korea, Republic of	P-03-1170
P12.85	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Development of a tetracycline regulatable conditional mouse model of Parkinson's disease expressing parkin substrate, ZNF746	<b>HYOUNG KIM<sup>1</sup></b> , YUNJONG LEE <sup>1</sup> , HYOUNG KIM <sup>2</sup>	<sup>1</sup> Sungkyunkwan University, Suwon, Korea, Republic of, <sup>2</sup> University, Suwon, Korea, Republic of	P-03-1162
P12.86	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	The deubiquitinase USP13 regulates parkin stability and function	<b>JI SOO PARK<sup>1</sup></b> , YUN JONG LEE <sup>2</sup> , HAN SEOK KO <sup>3</sup>	<sup>1</sup> Sungkyunkwan, suwon, Korea, Republic of, <sup>2</sup> Sungkyunkwan university, suwon, Korea, Republic of, <sup>3</sup> Johns hopkins university, Baltimore, Korea, Republic of	P-03-1153
P12.87	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	The role of UFM1 system in autism	<b>JINA LEE<sup>1</sup></b> , SOOJIN LEE <sup>1</sup> , HEE MIN YOON <sup>2</sup>	<sup>1</sup> Department of Microbiology and Molecular Biology, Chungnam National University (CNU), Daejeon, Korea, Republic of, <sup>2</sup> Korea Research Institute of Standards and Science (KRISST), Daejeon, Korea, Republic of	P-03-1151
P12.88	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Linalyl acetate protects the neurovascular unit from calcium-related ischemic injury	<b>GEUN HEE SEOL<sup>1</sup></b> , YU SHAN HSIEH <sup>1</sup> , YOU KYOUNG SHIN <sup>1</sup>	<sup>1</sup> Korea University, Seoul, Korea, Republic of	P-03-1150
P12.89	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Vagus nerve stimulation attenuates glial-mediated inflammation in the poly-I-C-induced fatigue in rats	<b>KANGWOO LEE<sup>1</sup></b> , BYUNG-GON JO <sup>2</sup> , HYE-JEONG AHN <sup>3</sup> , CHANG-GUE SON <sup>4</sup> , UK NAMGUNG <sup>5</sup>	<sup>1</sup> Department of Korean Medicine, Daejeon University, Daejeon, Korea, Republic of	P-03-1148
P12.90	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Plasma N-cadherin is increased in Alzheimer's disease	<b>JI-YOUNG CHOI<sup>1</sup></b> , SUN-JUNG CHO <sup>2</sup> , JUNG HYUN PARK <sup>3</sup> , SANG-MOON YUN <sup>4</sup> , CHULMAN JO <sup>5</sup> , YOUNG HO KOH <sup>6</sup>	<sup>1</sup> Korea National Institute of Health, Cheongju, Korea, Republic of, <sup>2</sup> Korea National Institute of Health, Cheongju, Korea, Republic of	P-03-1145
P12.91	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	$\alpha$ 1a adaptin regulates APP transglolysin sorting in neurons	<b>JIE YU<sup>1</sup></b> , JINGWEI XU <sup>2</sup> , JUNYU XU <sup>3</sup>	<sup>1</sup> Zhejiang University, Hangzhou, China	P-03-1142
P12.92	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Ethnolic Extracts of candidate Indian Traditional Medicines <i>Acorus calamus</i> , <i>Terminalia chebula</i> and <i>Achyranthes aspera</i> are neuroprotective in Zebrafish	<b>VIJAY PARAMANIK<sup>1</sup></b> , MAHARI J BASUMATARY <sup>2</sup> , GURUSHARAN NAGESH <sup>3</sup> , JEETENDRA K KUSHWAHA <sup>4</sup> , KULSHESHWARI KURREY <sup>5</sup>	<sup>1</sup> India Gandhi National Tribal University, Amarkantak (MP), Anuppur, India	P-03-1136
P12.93	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Pharmacokinetic-pharmacodynamic (PK-PD) Modeling of Effect of Naringenin & its Surface Modified Nanocarriers on Associated & Core Behaviours of Autism Spectrum Disorders (ASD)	<b>RANJANA BHANDARI<sup>1</sup></b> , JYOTI PALIWAL <sup>2</sup> , ANURAG KUHAD <sup>3</sup>	<sup>1</sup> University Institute of Pharmaceutical Sciences, Panjab University, Chandigarh, India, Chandigarh, India, <sup>2</sup> University Institute of Pharmaceutical Sciences, Panjab University, Chandigarh, India, <sup>3</sup> PhD&C Consulting, Gurgaon, Haryana, Gurgaon, Haryana, India	P-03-1134
P12.94	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Acupuncture attenuates the reinstatement of cocaine-seeking by enhancing GABAergic inhibition in the ventral tegmental area	<b>EUN YOUNG JEONG<sup>1</sup></b> , EUN YOUNG JANG <sup>2</sup> , SEONG SHOON YOON <sup>3</sup> , BONG HYO LEE <sup>4</sup> , SUCHAN CHANG <sup>5</sup> , HEE YOUNG KIM <sup>6</sup> , WYJU JIN <sup>7</sup> , CHAE HA YANG <sup>8</sup>	<sup>1</sup> Daegu Haany University, Daegu, Korea, Republic of, <sup>2</sup> Korea Institute of Toxicology, Daejeon, Korea, Republic of, <sup>3</sup> Daegu-Gyeongbuk Medical Innovation Foundation Medical Device Development Center, Daegu, Korea, Republic of	P-03-1132
P12.95	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Role of simvastatin in restoration of behavioral and synaptic deficits in Angelman syndrome mouse model.	<b>VIJENDRA KUMAR<sup>1</sup></b> , TRIPTI JOSHI <sup>2</sup> , NIHAR RANJAN JANA <sup>3</sup>	<sup>1</sup> NATIONAL BRAIN RESEARCH CENTRE, Gurgaon, India, <sup>2</sup> Indian Institute of Technology Khargapur, Khargapur, India	P-03-1127
P12.96	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Crocus sativus restores dopaminergic and noradrenergic damages induced by lead in <i>Meriones shawi</i> : A possible link with Parkinson's disease	<b>LAHCEN TAMEGART<sup>1</sup></b> , ABDELLATIF ABBAOUI <sup>1</sup> , ABDELAATI ELKHAT <sup>2</sup> , MY MUSTAPHA BOUYATAS <sup>3</sup> , HALIMA GAMRANI <sup>4</sup>	<sup>1</sup> Faculty of Sciences Semlalia, Cadi Ayyad University, Marrakech, Morocco, <sup>2</sup> Cadi Ayyad University, Multidisciplinary Faculty of Safi, Department of Biology, Morocco, Safi, Morocco	P-03-1120
P12.97	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Korean Red Ginseng extract mitigates CSDS-induced mood disorders by modulating NMDA receptor.	<b>SU-JEONG SUNG<sup>1</sup></b> , BO-RAM LEE <sup>2</sup> , YONG-HYUN KO <sup>3</sup> , SEOK-YONG LEE <sup>4</sup> , CHOON-GON JANG <sup>5</sup>	<sup>1</sup> SUNGKYUNKWAN UNIVERSITY, SUJWON, Korea, Republic of	P-03-1109
P12.98	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	A portable tablet task for assessment of short-term memory	<b>YOUNES ADAM TABI<sup>1</sup></b> , ULRIK DITLEV ERIKSEN <sup>2</sup> , NILS SØRENSEN <sup>3</sup> , PETER SEMSÅG <sup>4</sup> , SANJAY MANOHAR <sup>5</sup> , MASUD HUSAIN <sup>6</sup>	<sup>1</sup> University of Oxford, Oxford, UK, <sup>2</sup> BRAIN+ ApS, Copenhagen, Denmark	P-03-1104
P12.99	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Pre-treatment with yes-10 (a combination of <i>clenatis mandshurica</i> <i>rup.</i> and <i>arigeron annuus</i> ( <i>l.pers.</i> extract) protects neurons and attenuates gliosis in the gerbil hippocampus following ischemia/reperfusion	<b>YOUNG EUN PARK<sup>1</sup></b> , BORA KIM <sup>2</sup> , CHEOL WOO PARK <sup>3</sup> , TAE-KYEONG LEE <sup>4</sup> , JAE-CHUL LEE <sup>5</sup> , JI HYEON AHN <sup>6</sup> , JOON-HA PARK <sup>7</sup> , JUNG HOON CHOI <sup>8</sup> , KI-YEON YOO <sup>9</sup> , CHOONG HYUN LEE <sup>10</sup> , MOO-HO WON <sup>11</sup>	<sup>1</sup> Kangwon National University, School of Medicine, Chuncheon, Gangwon, Korea, Republic of, <sup>2</sup> Department of Biomedical Science and Research Institute for Bioscience and Biotechnology, Hallym University, Chuncheon, Gangwon, Korea, Republic of, <sup>3</sup> Kangwon National University, College of Veterinary Medicine, Chuncheon, Gangwon, Korea, Republic of, <sup>4</sup> Gangneung-Wonju National University, College of Dentistry and Research Institute of Oral Biology, Gangneung-Gangwon, Korea, Republic of, <sup>5</sup> Dankook University, College of Pharmacy, Cheonan, Chungcheongnam, Korea, Republic of	P-03-1097
P12.100	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	$\beta$ -Lapachone exerts neuroprotective effect in MPTP-injected mice by upregulating the p-AMPA/NF2H0-1 signaling pathways in astrocytes	<b>DO-YEON KIM<sup>1</sup></b> , JIN-SUN PARK <sup>1</sup> , JUNG-EUN PARK <sup>1</sup> , HEE-SUN KIM <sup>1</sup>	<sup>1</sup> Department of Molecular Medicine, Tissue Injury Defense Research Center, Ewha Womans University School of Medicine, Seoul, Korea, Republic of	P-03-1086
P12.101	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Ongoing Clinical Trial on the Development of Brain Convergence-Based Techniques and Platforms to Intervene Depression in Young Adults	<b>JHON JANG<sup>1</sup></b> , HYOSANG LEE <sup>2</sup> , UNJOO LEE <sup>3</sup> , HONG JIN JEON <sup>4</sup>	<sup>1</sup> Samsung medical center, Seoul, Korea, Republic of, <sup>2</sup> Daegu Gyeongbuk Institute of Science and Technology, Daegu, Korea, Republic of, <sup>3</sup> Hallym University, Gangwon, Korea, Republic of	P-03-1083
P12.102	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	RbAp48 expression and neuronal damage in the gerbil hippocampus following 5 min of transient ischemia	<b>TAE-KYEONG LEE<sup>1</sup></b> , BORA KIM <sup>2</sup> , YOUNG EUN PARK <sup>3</sup> , CHEOL WOO PARK <sup>4</sup> , JAE-CHUL LEE <sup>5</sup> , JI HYEON AHN <sup>6</sup> , JOON-HA PARK <sup>7</sup> , JUNG HOON CHOI <sup>8</sup> , KI-YEON YOO <sup>9</sup> , CHOONG-HYUN LEE <sup>10</sup> , JUNG HOON CHOI <sup>11</sup> , MOO-HO WON <sup>12</sup>	<sup>1</sup> Department of Neurobiology, Kangwon National University School of Medicine, Chuncheon, Korea, Republic of, <sup>2</sup> Department of Biomedical Science and Research Institute for Bioscience and Biotechnology, Hallym University, Chuncheon, Korea, Republic of, <sup>3</sup> Bio Safety Research Institute, College of Veterinary Medicine, Chonbuk National University, Iksan, Korea, Republic of, <sup>4</sup> Department of Oral Anatomy, College of Dentistry and Research Institute of Oral Biology, Gangneung-Wonju National University, Gangneung, Korea, Republic of, <sup>5</sup> Department of Pharmacy, College of Pharmacy, Dankook University, Cheonan, Korea, Republic of, <sup>6</sup> Department of Anatomy, College of Veterinary Medicine, Kangwon National University, Chuncheon, Korea, Republic of	P-03-1081
P12.103	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Japanese dodder seeds attenuate neuronal damage and memory impairment in models of Alzheimer's disease	<b>IN GYOUNG JU<sup>1</sup></b> , JIN GYU CHOI <sup>2</sup> , NAMKWON KIM <sup>3</sup> , MYUNG SOOK OH <sup>4</sup>	<sup>1</sup> Department of Life and Nanopharmaceutical Sciences, Graduate school, Kyung Hee University, 26 Kyungheedaero, Dongdaemun-gu, Seoul 02447, Republic of Korea, Seoul, Korea, Republic of, <sup>2</sup> Department of Oriental Pharmaceutical Science, College of Pharmacy and Kyung Hee East-West Pharmaceutical Research Institute, Kyung Hee University, 26 Kyungheedaero, Dongdaemun-gu, Seoul 02447, Republic of Korea, Seoul, Korea, Republic of	P-03-1875
P12.104	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.23 12:40	2019.09.23 14:40	Basal autophagy is insufficient to clear polyglutamine aggregates and ameliorate disease pathology in a Huntington's disease mouse model.	<b>VIJAY KUMAR M J<sup>1</sup></b> , DEVANSHI SHAH <sup>1</sup> , MRIDHULA GIRIDHARAN <sup>1</sup> , RAVI MANJITHAYA <sup>1</sup> , JAMES CLEMENT <sup>2</sup>	<sup>1</sup> Jawaharalal Nehru Centre For Advanced Scientific Research (JNCASR), Bangalore, India	P-03-1890
P13.01	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.23 12:40	2019.09.23 14:40	Neurotoxicity on hippocampal neurons is mediated by specific activation patterns of microglia	<b>ROMMY VON BERNHARDI<sup>1</sup></b> , LUIS FELIPE VELASQUEZ <sup>2</sup> , FRANCO MANZUR <sup>3</sup> , FRANCISCO NOVILLO <sup>4</sup> , SILVIA MARCA <sup>5</sup> , PAOLA MUÑOZ <sup>6</sup> , SEBASTIAN BELTRAN <sup>7</sup> , JUAN JOSE TRIVIÑO <sup>8</sup> , ERICK POWICE <sup>9</sup> , VALENTINA RODRIGUEZ <sup>10</sup> , CONSTANZA ZUÑIGA-TRASLAVIA <sup>11</sup> , MARIA TRIOLO-MIESES <sup>12</sup> , JAIME EUGENIN <sup>13</sup>	<sup>1</sup> Pontificia Universidad Católica de Chile School of Medicine, Santiago, Chile, <sup>2</sup> Universidad de Santiago de Chile, Santiago, Chile	P-04-1347
P13.02	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.23 12:40	2019.09.23 14:40	Noradrenergic Modulation of Cerebellar Glial Activity during Nociception	<b>SEUNG HA KIM<sup>1</sup></b> , JAE YOON HWANG <sup>2</sup> , SUN KWANG KIM <sup>3</sup> , SANG JEONG KIM <sup>4</sup>	<sup>1</sup> Seoul National University College of Medicine, Seoul, Korea, Republic of, <sup>2</sup> College of Korean Medicine, Kyung Hee University, Seoul, Korea, Republic of	P-04-1301
P13.03	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.23 12:40	2019.09.23 14:40	Mitochondrial dysfunction in senescence induced astrocytes	<b>MINJI BANG<sup>1</sup></b> , DO GYEONG KIM <sup>2</sup> , EDSON LUCK GONZALES <sup>3</sup> , KYOUNG JA KWON <sup>4</sup> , CHAN YOUNG SHIN <sup>5</sup>	<sup>1</sup> Konkuk university, Seoul, Korea, Republic of	P-04-1269
P13.04	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.23 12:40	2019.09.23 14:40	A scaffolding protein Gab2 is involved in postnatal development and lipopolysaccharide-induced activation of brain microglia of the mice.	<b>JE WOONG BYEON<sup>1</sup></b> , YOUNG-RAE JO <sup>2</sup> , YOON KYUNG SHIN <sup>3</sup> , HYE RAN KIM <sup>4</sup> , YUN YOUNG CHOI <sup>5</sup> , YOUNG-HEE KIM <sup>6</sup> , HANA GO <sup>7</sup> , HWAN TAE PARK <sup>8</sup> , HYUN-SEOK PARK <sup>9</sup>	<sup>1</sup> Dong-A University, Busan, Korea, Republic of, <sup>2</sup> Dong-A University, Busan, Korea, Republic of	P-04-1229
P13.05	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.23 12:40	2019.09.23 14:40	Functional changes between microglia and neurons in ATP-induced cortical damage model	<b>CHONG-HYUN KIM<sup>1</sup></b> , BOKYUNG SONG <sup>2</sup>	<sup>1</sup> Center for Neuroscience, Brain Science Institute, Korea Institute of Science and Technology, Division of Bio-Medical Science & Technology, KIST School, Korea University of Science and Technology, Seoul, Korea, Republic of, <sup>2</sup> Center for Neuroscience, Brain Science Institute, Korea Institute of Science and Technology, Division of Bio-Medical Science and Technology, KIST School, Korea University of Science and Technology, Seoul, Korea, Republic of	P-04-1226
P13.06	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.23 12:40	2019.09.23 14:40	Role of microtubules in oligodendrocyte differentiation and myelination	<b>BOYOUNG LEE<sup>1</sup></b> , EUN MI HUR <sup>2</sup>	<sup>1</sup> Division of Bio-Medical Science & Technology, Department of Neuroscience, KIST School, Korea University of Science and Technology (UST), Bio-Medical Science & Technology, Department of Neuroscience, KIST School, Korea University of Science and Technology, Seoul, Korea, Republic of, <sup>2</sup> Department of Neuroscience, College of Veterinary Medicine, Research Institute for Veterinary Science, and BK21 PLUS Program for Creative Veterinary Science Research, Seoul National University, Seoul, Korea, Republic of	P-04-1194
P13.07	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.23 12:40	2019.09.23 14:40	Ubiquitin- ligase- associated protein, FBXL16 expression in glioma cells	<b>SITI AYUNI HASSANUDIN<sup>1</sup></b> , ISHWAR PARHAR <sup>2</sup> , TOMOKO SOGA <sup>3</sup>	<sup>1</sup> Brain research institute of monash surway, Kuala Lumpur, Malaysia, <sup>2</sup> Brain Research Institute Monash Surway, Kuala Lumpur, Malaysia	P-04-1169

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P13.08	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.23 12:40	2019.09.23 14:40	AEG-1 regulates brain damage in cerebral ischemia	YOUNGHYUK LEE <sup>1</sup> , MINJI CHOI <sup>1</sup> , SANG RYONG KIM <sup>2</sup> , SEOK-GEUN LEE <sup>2</sup>	<sup>1</sup> Department of Science in Korean Medicine Kyung Hee University, Seoul, Korea, Republic of; <sup>2</sup> Department of Science in Korean Medicine KHU-KIST Department of Convergence Science & Technology Kyung Hee University, Seoul, Korea, Republic of; <sup>3</sup> School of Life Sciences, BK21 Plus KNU Creative BioResearch Group, Institute of Life Science & Biotechnology, Kyungpook National University, Daegu, Korea, Republic of	P-04-1152
P13.09	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.23 12:40	2019.09.23 14:40	Neuro-Glia interaction in pain circuit dynamics following peripheral nerve injury	JAESUNG LEE <sup>1</sup> , SUNG JOONG LEE <sup>1</sup>	<sup>1</sup> Department of Neuroscience and Physiology, Dental Research Institute, BK21-Plus, School of Dentistry, Kyungpook National University, Seoul, Republic of Korea, Seoul, Korea, Republic of	P-04-1143
P13.10	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.23 12:40	2019.09.23 14:40	mTOR-mediated metabolic reprogramming regulate microglia function in response to different stimuli	YALING HU <sup>1</sup> , WEIHAI MAI <sup>1</sup> , LUNHAO CHEN <sup>2</sup> , KELEI CAO <sup>1</sup> , SHUMIN DUAN <sup>1</sup> , ZHIHUA GAO <sup>1</sup>	<sup>1</sup> Zhejiang university, Hangzhou, China; <sup>2</sup> First Affiliated Hospital, Zhejiang University School of Medicine, Hangzhou, China	P-04-1141
P13.11	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.23 12:40	2019.09.23 14:40	Role of Zona Incerta's microglia activation in inflammatory pain-induced anxiety	ZAHRA FARZIN POUR <sup>1</sup>	<sup>1</sup> Hefei National Laboratory for Physical Sciences at the Microscale, Department of Biophysics and Neurobiology, University of Science and Technology of China, Hefei, Anhui 230027, People's Republic of China, Hefei, China	P-04-1119
P13.12	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.23 12:40	2019.09.23 14:40	Neural stem cell plasticity of radial glial cells in zebrafish spinal cord	YONGBO SEO <sup>1</sup> , HAE-CHUL PARK <sup>1</sup>	<sup>1</sup> Korea university, Ansan, Korea, Republic of	P-04-1100
P13.13	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.23 12:40	2019.09.23 14:40	Exon2-deleted TWIK1 KO mice are not an appropriate model for TWIK1 deficiency	HYUN-GUG JUNG <sup>1</sup> , AJUNG KIM <sup>1</sup> , YEONJU BAE <sup>2</sup> , JAE-YONG PARK <sup>2</sup> , EUN MI HWANG <sup>1</sup>	<sup>1</sup> KIST, Seoul, Korea, Republic of; <sup>2</sup> Korea university, Seoul, Korea, Republic of	P-04-1088
P13.14	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.23 12:40	2019.09.23 14:40	Agmatine Can Potentiate the M2 Microglial Phenotype via Transcription Factor IRF2KLF2	SUMIT BARUA <sup>1</sup> , JI WON KIM <sup>1</sup> , A-YOUNG SIM <sup>1</sup> , JONG YOUL KIM <sup>1</sup> , JONG EUN LEE <sup>2</sup>	<sup>1</sup> Department of Anatomy, Yonsei University College of Medicine, Seoul, Korea, Republic of; <sup>2</sup> Department of Anatomy, BK21 Plus Project for Medical Science, Brain Research Institute, Yonsei University College of Medicine, Seoul, Korea, Republic of	P-04-1076
P13.15	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.23 12:40	2019.09.23 14:40	Role of autophagy in the development of myelinating glia in the mouse	HWAN TAE PARK <sup>1</sup> , YOUNG-RAE JO <sup>2</sup> , SO YOUNG JANG <sup>1</sup> , HYE RAN KIM <sup>1</sup> , HANA GO <sup>1</sup> , YOUNG-HEE KIM <sup>1</sup> , YOON KYUNG SHIN <sup>1</sup> , YUN YOUNG CHOI <sup>1</sup> , JE WOONG BYEON <sup>1</sup>	<sup>1</sup> Dong-A University, Busan, Korea, Republic of	P-04-1005
P13.16	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.23 12:40	2019.09.23 14:40	Chemokine Production by Microglia Mediates Blood-derived Monocytes Trafficking in Neuroinflammation	MEIYING HUANG <sup>1</sup> , JONG YOUL KIM <sup>2</sup> , JOOHYUN PARK <sup>1</sup> , JONG EUN LEE <sup>2</sup>	<sup>1</sup> Department of Anatomy, BK21 Plus Project for Medical Science, Yonsei University College of Medicine, Seoul, Korea, Republic of; <sup>2</sup> Department of Anatomy, BK21 Plus Project for Medical Science, Brain Research Institute, Yonsei University College of Medicine, Seoul, Korea, Republic of; <sup>3</sup> Department of Anatomy, Yonsei University College of Medicine, Seoul, Korea, Republic of	P-04-1000
P13.17	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.23 12:40	2019.09.23 14:40	A Dynamic Spectrum of Blood-derived Monocytes in Neuroinflammation Following Ischemic Stroke	JOOHYUN PARK <sup>1</sup> , JONG YOUL KIM <sup>2</sup> , MEIYING HUANG <sup>1</sup> , YUMI OH <sup>1</sup> , YOUNG-MIN HYUN <sup>1</sup> , JONG EUN LEE <sup>2</sup>	<sup>1</sup> Department of Anatomy, BK21 Plus Project for Medical Science, Yonsei University College of Medicine, Seoul, Korea, Republic of; <sup>2</sup> Department of Anatomy, BK21 Plus Project for Medical Science, Brain Research Institute, Yonsei University College of Medicine, Seoul, Korea, Republic of; <sup>3</sup> Department of Anatomy, Yonsei University College of Medicine, Seoul, Korea, Republic of	P-04-0999
P13.18	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.23 12:40	2019.09.23 14:40	The effect of REV-ERBα on the inflammatory response in the 6-hydroxydopamine-injected mouse model of Parkinson's disease	MIJUNG CHOI <sup>1</sup> , JEONGAH KIM <sup>1</sup> , KYOUNGHO SUK <sup>2</sup> , KYUNGIN KIM <sup>1</sup>	<sup>1</sup> Daegu Gyeongbuk Institute of Science and Technology (DGIST), Daegu, Korea, Republic of; <sup>2</sup> Kyungpook National University, Daegu, Korea, Republic of	P-04-0981
P13.19	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.23 12:40	2019.09.23 14:40	Hevin-calcyon interaction promotes synaptic reorganization after brain injury	JONG-HEON KIM <sup>1</sup> , HYUN-GUG JUNG <sup>3</sup> , HYUN SOO SHIM <sup>4</sup> , JIN HAN <sup>5</sup> , HOON RYU <sup>6</sup> , JAE-YONG PARK <sup>6</sup> , EUN MI HWANG <sup>7</sup> , KYOUNGHO SUK <sup>2</sup>	<sup>1</sup> Brain Science & Engineering Institute, School of Medicine, Kyungpook National University, Daegu, Korea, Republic of; <sup>2</sup> Department of Biomedical Science, School of Medicine, Kyungpook National University, Daegu, Korea, Republic of; <sup>3</sup> Center for Functional Connectomics, Brain Science Institute, Korea Institute of Science and Technology; School of Biosystems and Biomedical Sciences, College of Health Science, Korea University, Seoul, Korea, Republic of; <sup>4</sup> Center for Neuroscience, Brain Science Institute, Korea Institute of Science and Technology, Seoul, Korea, Republic of; <sup>5</sup> Center for Neuroscience, Brain Science Institute, Korea Institute of Science and Technology; VA Boston Healthcare System, Boston, MA, USA; Boston University Alzheimer's Disease Center and Department of Neurology, Boston University School of Medicine, Boston, MA, USA; <sup>6</sup> Seoul, Korea, Republic of; <sup>7</sup> School of Biosystems and Biomedical Sciences, College of Health Science, Korea University, Seoul, Korea, Republic of; <sup>8</sup> Center for Functional Connectomics, Brain Science Institute, Korea Institute of Science and Technology, Seoul, Korea, Republic of	P-04-0927
P13.20	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.23 12:40	2019.09.23 14:40	Early dysfunction of astrocytic Ca <sup>2+</sup> signaling in Alzheimer's disease	CHIARA MAZZOLA <sup>1</sup> , BEATRICE D'ORSI <sup>1</sup> , ROSARIO RIZZUTO <sup>1</sup> , DIEGO DE STEFANI <sup>1</sup>	<sup>1</sup> University of Padua, Padua, Italy	P-04-0911
P13.21	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.23 12:40	2019.09.23 14:40	Neuroprotective effects of Rheb(S16H) transduction against a neurotoxic inflammatory environment in the substantia nigra <i>in vivo</i>	SEHWAN KIM <sup>1</sup> , GYEONG JOON MOON <sup>1</sup> , UN JU JUNG <sup>2</sup> , SANG RYONG KIM <sup>1</sup>	<sup>1</sup> Kyungpook National University, Daegu, Korea, Republic of; <sup>2</sup> Pukyong National University, Busan, Korea, Republic of	P-04-0908
P13.22	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.23 12:40	2019.09.23 14:40	Targeting Insulin Signaling as a Therapeutic Strategy to Rescue Alzheimer's Disease Pathology: Evidence from <i>in vitro</i> and <i>in vivo</i> studies	SMRITI GUPTA <sup>1</sup> , RAJAT SANDHIR <sup>2</sup>	<sup>1</sup> Panjab University, Chandigarh, India; <sup>2</sup> Professor, Department of Biochemistry, Panjab University, Chandigarh, India	P-04-0899
P13.23	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.23 12:40	2019.09.23 14:40	Proteomic analysis of transdifferentiated Schwann cells during Wallerian degeneration	JUN HYUNG LEE <sup>1</sup> , MU WOONG KIM <sup>2</sup> , MIN-SIK KIM <sup>1</sup>	<sup>1</sup> Daegu Gyeongbuk Institute of Science and Technology, Daegu, Korea, Republic of; <sup>2</sup> Kyung Hee University, Seoul, Korea, Republic of	P-04-0891
P13.24	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.23 12:40	2019.09.23 14:40	Microglia-astrocyte interaction can enhance the neurogenic potential of astrocytes after ischemic insult through the involvement of Na <sup>+</sup> /Ca <sup>2+</sup> exchanger 1	ANTONELLA CASAMASSA <sup>1</sup> , ORNELLA CUOMO <sup>1</sup> , PASQUALE CEPPARULO <sup>1</sup> , GIUSEPPE PIGNATARO <sup>1</sup> , LUCIO ANNUZZIATO <sup>1</sup>	<sup>1</sup> Division of Pharmacology, Department of Neuroscience, School of Medicine, Federico II University of Naples, Naples, Italy	P-04-0426
P14.01	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.23 12:40	2019.09.23 14:40	Transducer of ErbB2 (Tob) regulates stress in the brain	MOHELDIN YOUSSEF <sup>1</sup> , YUJI KIYAMA <sup>2</sup> , HIROAKI HAMADA <sup>3</sup> , TORU SUZUKI <sup>4</sup> , TOSHIYA MANABE <sup>5</sup> , TADASHI YAMAMOTO <sup>6</sup>	<sup>1</sup> Okinawa Institute of Science and Technology, Okinawa, Japan; <sup>2</sup> Laboratory of Biochemistry and Molecular Biology, Graduate school of medical and dental sciences, Kagoshima University, Kagoshima, Japan; <sup>3</sup> Neural Computation Unit, Okinawa Institute of Science and Technology (OIST), Okinawa, Japan; <sup>4</sup> Laboratory of Immunogenetics, RIKEN Center for Integrative Medical Sciences, Yokohama, Japan; <sup>5</sup> Institute of Medical Science, University of Tokyo, Division of Neuronal Network, Tokyo, Japan; <sup>6</sup> Cell Signal Unit, Okinawa Institute of Science and Technology (OIST), Okinawa, Japan	P-05-1311
P14.02	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.23 12:40	2019.09.23 14:40	Long-term caffeine intake exaggerates PTSD-like symptoms independent of HPA axis activity	SANTOSH KUMAR PRAJAPATI <sup>1</sup> , SAIRAM KRISHNAMURTHY <sup>1</sup>	<sup>1</sup> Department of Pharmaceutical Engineering and Technology Indian Institute of Technology (Banarasi Hindu University), Varanasi, India	P-05-1292
P14.03	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.23 12:40	2019.09.23 14:40	Optogenetic manipulation of slow-wave sleep in mice	XIANG FENG <sup>1</sup> , YUN-TING SU <sup>1</sup> , HUI-YING ZHAO <sup>1</sup> , YONG HAN <sup>1</sup> , YI LU <sup>1</sup> , SHUMIN DUAN <sup>1</sup> , YAN-QIN YU <sup>1</sup>	<sup>1</sup> Department of Neurobiology and Physiology, Key Laboratory of Medical Neurobiology of Ministry of Health of China, Key Laboratory of Neurobiology, Zhejiang University School of Medicine, Hangzhou, China	P-05-1225
P14.04	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.23 12:40	2019.09.23 14:40	Multiple endocrine neoplasia with psychiatric involvement: a case report and literature review	SANA ABID <sup>1</sup> , IMEN ROJBI <sup>1</sup> , IBTISSEM BEN NACEF <sup>1</sup> , NADIA MCHRGUJ <sup>1</sup> , KARIMA KHIARI <sup>1</sup> , AMJED BEN HAOUALA <sup>2</sup>	<sup>1</sup> Department of endocrinology - charles nicolle's hospital, tunis, Tunisia; <sup>2</sup> Department of psychiatry- fatouma bourguiba hospital, monastir, Tunisia	P-05-1160
P14.05	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.23 12:40	2019.09.23 14:40	The novel cryptochrome (CRY) inhibitors enhance molecular circadian rhythmicity and ameliorate food-induced obesity	HYO KYEONG CHA <sup>1</sup> , HYE YOUNG LIM <sup>1</sup> , SOOYOUNG CHUNG <sup>2</sup> , JONG-WHA JUNG <sup>3</sup> , GI HOON SON <sup>1</sup>	<sup>1</sup> Department of Biomedical Sciences, College of Medicine, Korea University, Seoul, Korea, Republic of; <sup>2</sup> Department of Brain and Cognitive Sciences, Seonam College, Ewha Womans University, Seoul, Korea, Republic of; <sup>3</sup> College of Pharmacy, Research Institute of Pharmaceutical Sciences, Kyungpook National University, Daegu, Korea, Republic of	P-05-1156
P14.06	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.23 12:40	2019.09.23 14:40	Regulatory peptides: the molecular aspects of biological mechanism	TATIANA VYUNOVA <sup>1</sup> , LIUOMILA ANDREEVA <sup>1</sup> , KONSTANTIN SHEVCHENKO <sup>1</sup> , NIKOLAY MYASOEDOV <sup>1</sup>	<sup>1</sup> Institute of Molecular Genetics of the Russian Academy of Sciences, Moscow, Russia	P-05-1042
P14.07	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.23 12:40	2019.09.23 14:40	Ghrelin transport across the blood-cerebrospinal fluid barrier occurs in a ghrelin receptor independent-manner	MAIA URIARTE DONATI <sup>1</sup> , PABLO N. DE FRANCESCO <sup>1</sup> , DANIEL CASTROGIOVANNI <sup>1</sup> , MONICA IMBERNON <sup>2</sup> , VINCENT PREVOT <sup>2</sup> , MARIO PERELLO <sup>2</sup>	<sup>1</sup> Laboratory of Neurophysiology of the Multidisciplinary Institute of Cell Biology, La Plata, Argentina; <sup>2</sup> Development and Plasticity of the Neuroendocrine Brain - Jean-Pierre Aubert Research Center, Lille, France	P-05-1023
P14.08	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.23 12:40	2019.09.23 14:40	Are galaninergic retrotrapezoid nucleus neurons more responsive to long-term hypercapnia?	AYSE DERELI <sup>1</sup> , ZARWA YASEEN <sup>1</sup> , NATASHA KUMAR <sup>1</sup>	<sup>1</sup> UNSW Sydney, Kensington, Australia	P-05-0942
P14.09	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.23 12:40	2019.09.23 14:40	Kisspeptin neuron-specific calcium oscillation in the mouse hypothalamic arcuate nucleus: Regulatory factors of its synchronization	DOYEON KIM <sup>1</sup> , SANGWON JANG <sup>1</sup> , JEONGAH KIM <sup>1</sup> , INAH PARK <sup>1</sup> , KYUJIN KU <sup>1</sup> , MIJUNG CHOI <sup>1</sup> , HAN KYOUNG CHOE <sup>1</sup> , KYUNGIN KIM <sup>1</sup>	<sup>1</sup> Daegu Gyeongbuk Institute of Science and Technology (DGIST), Daegu, Korea, Republic of	P-05-0935
P14.10	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.23 12:40	2019.09.23 14:40	Distinct neural circuits for food- and water-related preysensory regulation of VP release	ANGELA KIM <sup>1</sup> , JOSEPH C. MADARA <sup>2</sup> , MARK L. ANDERMAN <sup>2</sup> , BRADFORD B. LOWELL <sup>2</sup>	<sup>1</sup> Harvard Medical School, Boston, USA; <sup>2</sup> Beth Israel Deaconess Medical Center, Boston, USA	P-05-0862
P14.11	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.23 12:40	2019.09.23 14:40	TrkB receptors engage different signaling cascades regulating respectively KCC2 function, trafficking and degradation.	ISABEL PLASENCIA-FERNANDEZ <sup>1</sup> , MARC J. BERGERON <sup>2</sup> , YVES DE KONINCK <sup>3</sup>	<sup>1</sup> Universit� Laval, CERVO Brain Research Centre, Quebec, Canada; <sup>2</sup> Universit� Laval, Quebec, Canada	P-05-0858
P14.12	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.23 12:40	2019.09.23 14:40	Physiological stress response in Thai military recruits	WILARATANA AJARIYAPORN <sup>1</sup> , SUJIRA MUKDA <sup>1</sup> , SONTAKHAR NGAMPRAMUAN <sup>1</sup>	<sup>1</sup> Research Center for Neuroscience, Institute of Molecular Biosciences, Mahidol University, Nakhon Pathom, Thailand	P-05-0823
P14.13	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.23 12:40	2019.09.23 14:40	Free fatty acids analysis changed by palmitate-induced autophagy in hypothalamic cells	SEOKJAE PARK <sup>1</sup> , TAE SEOK OH <sup>1</sup> , EUN-KYOUNG KIM <sup>1</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, Neurometabolomics Research Center, DGIST, Daegu, Korea, Republic of; <sup>2</sup> Department of Brain and Cognitive Sciences, DGIST, Daegu, Korea, Republic of	P-05-0745
P15.01	Grand Ballroom, 3F	New technology - Neurotool	2019.09.23 12:40	2019.09.23 14:40	A Single-Molecule Method for the Quantification and Visualization of MicroRNA in a Neuronal Cell Using Atomic Force Microscopy	IKBUM PARK <sup>1</sup> , HYUN JIN KIM <sup>2</sup> , JOON WON PARK <sup>2</sup>	<sup>1</sup> Research Institute of Industrial Science & Technology, Pohang, Korea, Republic of; <sup>2</sup> Pohang University of Science and Technology, Pohang, Korea, Republic of	P-07-1386
P15.02	Grand Ballroom, 3F	New technology - Neurotool	2019.09.23 12:40	2019.09.23 14:40	Development of genetically encoded voltage indicators (GEVIs) through testing heterogeneous voltage ranges and disrupting dimerization	MD SOFEQUOL ISLAM MUKIM <sup>1</sup> , BRADLEY J. BAKER <sup>1</sup>	<sup>1</sup> Korea Institute of Science & Technology (KIST), University of Science & Technology (UST), Seoul, Korea, Republic of	P-07-1372
P15.03	Grand Ballroom, 3F	New technology - Neurotool	2019.09.23 12:40	2019.09.23 14:40	An efficient method of constructing parallel computing environment on a cluster for large-scale simulations in systems neuroscience	MINJUNG KIM <sup>1</sup> , HOJEONG KIM <sup>1</sup>	<sup>1</sup> Daegu Gyeongbuk Institute of Science and Technology, Daegu, Korea, Republic of	P-07-1364
P15.04	Grand Ballroom, 3F	New technology - Neurotool	2019.09.23 12:40	2019.09.23 14:40	Thermal analysis of photothermal neural stimulation using gold nanorod attached optical fibers	WOONGKI HONG <sup>1</sup> , HYUK-JUN KWON <sup>1</sup> , YOONKEY NAM <sup>1</sup> , HONGKI KANG <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of; <sup>2</sup> Kaist, Daejeon, Korea, Republic of	P-07-1300
P15.05	Grand Ballroom, 3F	New technology - Neurotool	2019.09.23 12:40	2019.09.23 14:40	Multifunctional neural probe integrated with push-pull microfluidic channels and microelectrode and biosensors for real-time monitoring of neurochemicals with neural spikes	UIKYU CHAE <sup>1</sup> , HYOGEUN SHIN <sup>1</sup> , IL-JOO CHO <sup>1</sup>	<sup>1</sup> Korea Institute of Science and Technology, Seoul, Korea, Republic of	P-07-1275
P15.06	Grand Ballroom, 3F	New technology - Neurotool	2019.09.23 12:40	2019.09.23 14:40	Quantitative Image Analysis Of Meibomian Gland Using Deep Learning In Dry Eye Disease	A M MAHMUD CHOWDHURY <sup>1</sup> , RIPON KUMAR SAHA <sup>2</sup> , HO SIK HWANG <sup>3</sup> , SUIHEON CHUNG <sup>1</sup>	<sup>1</sup> Gwangju Institute of Science & Technology, Gwangju, Korea, Republic of; <sup>2</sup> Gwangju Institute of Science & Technology, Gwangju, Korea, Republic of; <sup>3</sup> Hallym University, Chuncheon, Chuncheon, Korea, Republic of	P-07-1238
P15.07	Grand Ballroom, 3F	New technology - Neurotool	2019.09.23 12:40	2019.09.23 14:40	The mechanism of super-ecliptic based gevis	BOK EUM KANG <sup>1</sup> , LETICIA LEONG <sup>1</sup> , BRADLEY BAKER <sup>1</sup>	<sup>1</sup> KIST, Seoul, Korea, Republic of	P-07-1224

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P15.08	Grand Ballroom, 3F	New technology - Neurotool	2019.09.23 12:40	2019.09.23 14:40	Prefrontal GABA modulates frontoparietal functional connectivity after repetitive transcranial magnetic stimulation	GAHAE HONG <sup>1</sup> , JUNGYUN KIM <sup>2</sup> , SUJUNG YOON <sup>2</sup> , MYEONGJU KIM <sup>2</sup> , GAHA HONG <sup>2</sup> , EUNJI HA <sup>1,2</sup> , YOONJI JOO <sup>1,2</sup> , CHAEWON SUH <sup>1,2</sup> , IN KYOON LYOO <sup>2,3</sup>	<sup>1</sup> Ewha Brain Institute, Ewha W. University, <sup>2</sup> Department of Brain and Cognitive Sciences, Ewha W. University, <sup>3</sup> Graduate School of Pharmaceutical Sciences, Ewha W. University	P-07-1223
P15.09	Grand Ballroom, 3F	New technology - Neurotool	2019.09.23 12:40	2019.09.23 14:40	<i>In situ</i> validation and spatial mapping of diverse striatal cells identified by scRNA-seq in the mouse brain at single-cell resolution	AMYEUNKYUNG CHO <sup>1</sup>	<sup>1</sup> bio-teche, Seoul, Korea, Republic of	P-07-1222
P15.10	Grand Ballroom, 3F	New technology - Neurotool	2019.09.23 12:40	2019.09.23 14:40	Bright light exposure alters resting state functional connectivity of the anterior insula: A randomized controlled trial	SHINWON PARK <sup>1</sup> , JIYOUNG MA <sup>1</sup> , SUJUNG YOON <sup>1,2</sup> , JUNGYUN KIM <sup>1,2</sup> , GAHA HONG <sup>1</sup> , MYEONGJU KIM <sup>1,2</sup> , JINSOL KIM <sup>1,2</sup> , RYEYONG KIM <sup>1,2</sup> , IN KYOON LYOO <sup>1,2,3</sup>	<sup>1</sup> Ewha Brain Institute, Ewha W. University, <sup>2</sup> Department of Brain and Cognitive Sciences, Ewha W. University, <sup>3</sup> Graduate School of Pharmaceutical Sciences, Ewha W. University	P-07-1221
P15.11	Grand Ballroom, 3F	New technology - Neurotool	2019.09.23 12:40	2019.09.23 14:40	Advancement of neuroscience-based technology for early intervention of posttraumatic stress disorder	JUNGYUN KIM <sup>1,2</sup> , SUJUNG YOON <sup>1,2</sup> , GAHA HONG <sup>1</sup> , SHINWON PARK <sup>1</sup>	<sup>1</sup> Ewha Brain Institute, Ewha W. University, <sup>2</sup> Department of Brain and Cognitive Sciences, Ewha W. University	P-07-1218
P15.13	Grand Ballroom, 3F	New technology - Neurotool	2019.09.23 12:40	2019.09.23 14:40	Development of a versatile and cost-efficient automated platform for brain tissue microdissection, single cell acquisition and adhesion analysis	STANISLAV KARSTEN <sup>1</sup> , DAVID MA <sup>1</sup> , ZHONGCAI MA <sup>1</sup> , LILI KUDO <sup>1</sup>	<sup>1</sup> NeuroInDx, Inc., Torrance, USA	P-07-1192
P15.14	Grand Ballroom, 3F	New technology - Neurotool	2019.09.23 12:40	2019.09.23 14:40	Questionnaire accuracy measurement and verification using bio signal sensor based virtual reality head mounted display	SUNGU NAM <sup>1</sup> , HOON-HEE KIM <sup>1</sup> , DONG-HWA JEONG <sup>1</sup> , YOUNGJO SONG <sup>1</sup> , JEUNGMIN LEE <sup>1</sup> , JAESEUNG JEONG <sup>1</sup>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of	P-07-1168
P15.15	Grand Ballroom, 3F	New technology - Neurotool	2019.09.23 12:40	2019.09.23 14:40	Observing the dimerization and movement of heterogeneous voltage sensing domains via intermolecular FRET	LEE MIN LEONG <sup>1</sup> , BOK EUM KANG <sup>1</sup> , BRADLEY J. BAKER <sup>1</sup>	<sup>1</sup> Korea Institute of Science and Technology, Seoul, Korea, Republic of	P-07-1167
P15.16	Grand Ballroom, 3F	New technology - Neurotool	2019.09.23 12:40	2019.09.23 14:40	Diagnostic approaches for neurodevelopmental disorders using human-derived olfactory epithelial cells	SU-JIN NOH <sup>1</sup> , YOUNGSIK WOO <sup>1</sup> , SOO JEONG KIM <sup>1</sup> , BON SEONG GOO <sup>1</sup> , DONG JIN MUN <sup>1</sup> , SEUNGHYUN KIM <sup>1</sup> , YOUNGSHIK CHOE <sup>1</sup> , JOON WON PARK <sup>1</sup> , SANG KI PARK <sup>1</sup>	<sup>1</sup> Pohang University of Science and Technology, Pohang, Korea, Republic of, <sup>2</sup> Korea Brain Research Institute, Daegu, Korea, Republic of	P-07-1158
P15.17	Grand Ballroom, 3F	New technology - Neurotool	2019.09.23 12:40	2019.09.23 14:40	Generation of miniature brains that mimic the cortical structure with six mature layers to model the development and diseases of human brain	SEOYOUNG CHO <sup>1</sup> , EUNJEE KIM <sup>1</sup> , KUNYOO SHIN <sup>1</sup>	<sup>1</sup> Pohang University of Science and Technology (POSTECH), Pohang, Korea, Republic of	P-07-1122
P15.18	Grand Ballroom, 3F	New technology - Neurotool	2019.09.23 12:40	2019.09.23 14:40	Development and applications of the novel genetically-encoded serotonin sensor	XUELIN LI <sup>1</sup> , JINXIA WAN <sup>2</sup> , YULONG LI <sup>1</sup>	<sup>1</sup> Peking University, Beijing, China, <sup>2</sup> Peking University, Beijing, China	P-07-1038
P15.19	Grand Ballroom, 3F	New technology - Neurotool	2019.09.23 12:40	2019.09.23 14:40	A polydimethylsiloxane-based microelectrode array for multi-site electrocorticography	KYEONG YEON LEE <sup>1</sup> , JAE WON JANG <sup>1</sup> , SOHEE KIM <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of	P-07-0986
P15.20	Grand Ballroom, 3F	New technology - Neurotool	2019.09.23 12:40	2019.09.23 14:40	Long-term in-vivo analysis of flexible penetrating microelectrode arrays	JAEWON JANG <sup>1</sup> , YOONA KANG <sup>1</sup> , HEEWON SEO <sup>1</sup> , SOHEE KIM <sup>1</sup>	<sup>1</sup> Daegu Gyeong Institute of Science & Technology, Daegu, Korea, Republic of	P-07-0971
P15.21	Grand Ballroom, 3F	New technology - Neurotool	2019.09.23 12:40	2019.09.23 14:40	XT-STORM: Deep 3D super-resolution imaging of expanded brain tissue	YUJIAN WANG <sup>1</sup> , XIN LI <sup>1</sup> , GUOQIANG BI <sup>1</sup>	<sup>1</sup> University of Science and Technology of China, Hefei, China	P-07-1885
P16.01	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	SGIP1 functions as an endocytic adaptor for the internalization of calcium sensor synaptotagmin 1	SANG-EUN LEE <sup>1</sup> , SOOMIN JEONG <sup>1</sup> , UNGHWI LEE <sup>1</sup> , SUNGHOE CHANG <sup>1</sup>	<sup>1</sup> Seoul National University College of Medicine, Seoul, Korea, Republic of	P-08-1379
P16.02	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	The impact of FKBP5 deficiency in the synaptic transmission and glucocorticoid receptor activation of the medial prefrontal cortex	HAKYUN RYU <sup>1</sup> , MYUNGHYUN CHEON <sup>1</sup> , CHIHYE CHUNG <sup>1</sup>	<sup>1</sup> Konkuk university, Seoul, Korea, Republic of	P-08-1373
P16.03	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	Altered synaptic scaling of PV <sup>+</sup> interneurons underlying sensorimotor gating deficit in psychiatric disease mouse models	JAE JIN SHIN <sup>1</sup> , SOOYONG KIM <sup>1</sup> , HWAYOUNG LEE <sup>1</sup> , SANGYOUNG LEE <sup>1</sup> , JOOMIN PARK <sup>1</sup> , SANG JEONG KIM <sup>2</sup>	<sup>1</sup> Institute for Basic Science, Daejeon, Korea, Republic of, <sup>2</sup> Seoul National University, Seoul, Korea, Republic of, <sup>3</sup> IBS, Daejeon, Korea, Republic of	P-08-1371
P16.04	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	Synaptic plasticity within the amygdala is altered by fear conditioning and extinction	KWANGHOON PARK <sup>1</sup> , CHIHYE CHUNG <sup>1</sup>	<sup>1</sup> Konkuk University, Seoul, Korea, Republic of	P-08-1369
P16.05	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	Formation of Arc mRNA granules in P-bodies	HUNGSEOK C. MOON <sup>1</sup> , HYE YOON PARK <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-08-1357
P16.06	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	Whole-brain cellular mapping of stress exposure in male and female brains	WONHEE KIM <sup>1</sup> , CHIHYE CHUNG <sup>1</sup>	<sup>1</sup> Konkuk University, Seoul, Korea, Republic of	P-08-1355
P16.07	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	mGluR5/endocannabinoid signaling induces spike potentiation by tonic GABA currents in CA1 pyramidal neuron	HYE-HYUN KIM <sup>1</sup> , JOO MIN PARK <sup>2</sup> , SUK-HO LEE <sup>1</sup> , WON-KYUNG HO <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Institute for Basic Science, Daejeon, Korea, Republic of	P-08-1353
P16.08	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	SCAMP5-dependent localization of NHE6 to synaptic vesicles is critical for regulating quantum size at glutamatergic synapses	UNGHWI LEE <sup>1</sup> , DAEHUN PARK <sup>1</sup> , SOOHYUN KIM <sup>1</sup> , SANG-EUN LEE <sup>1</sup> , YUJIN KIM <sup>1</sup> , SUNGHOE CHANG <sup>1</sup>	<sup>1</sup> Seoul National University College of Medicine, Seoul, Korea, Republic of	P-08-1348
P16.09	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	Effect of neuromodulators on the short-term plasticity of thalamoprefrontal synapses	JUNGMIN LEE <sup>1</sup> , JONG-CHEOL RAH <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of	P-08-1337
P16.10	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	Functional analysis of genetic variations in the promoter and cytosolic domain of NMDARs	VIKTOR KUCHTAK <sup>1</sup> , JIRI CERNY <sup>2</sup> , VLADIMIR BENES <sup>3</sup> , ZDENEK SEDLACEK <sup>4</sup> , JIRI HORACEK <sup>5</sup> , LADISLAV VYKLIK <sup>6</sup> , ALES BALIK <sup>7</sup>	<sup>1</sup> Institute of Physiology, Czech Academy of Sciences / Faculty of Science, Charles University, Prague, Czech Republic, <sup>2</sup> Institute of Physiology, Czech Academy of Sciences, Prague, Czech Republic, <sup>3</sup> Institute of Biotechnology, Czech Academy of Sciences, Vestec, Czech Republic, <sup>4</sup> GeneCore, EMBL, Heidelberg, Germany, <sup>5</sup> Department of Biology and Medical Genetics, 2nd Faculty of Medicine and University Hospital Motol, Charles University, Prague, Czech Republic, <sup>6</sup> The National Institute of Mental Health, Klecany, Czech Republic, <sup>7</sup> Institute of Physiology, Czech Academy of Sciences, Prague, Czech Republic	P-08-1331
P16.11	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	The role of beta-actin mRNA localization in single dendritic spines studied by two-photon uncaging	JAE YOUN SHIM <sup>1</sup> , BYUN HUN LEE <sup>1</sup> , HYUNG SEOK MOON <sup>1</sup> , HYE YOON PARK <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-08-1305
P16.12	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	Neural representation of fear in the cerebellum	JAEGEON LEE <sup>1</sup> , SOONHO SHIN <sup>1</sup> , JEWEOO SEO <sup>1</sup> , TAEJIN KIM <sup>1</sup> , SANG JEONG KIM <sup>1</sup>	<sup>1</sup> Seoul National University College of Medicine Department of Physiology, Seoul, Korea, Republic of	P-08-1304
P16.13	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	Distinct synaptic vesicle recycling in inhibitory nerve terminals is coordinated by SV2A	SOONDO HWANG <sup>1</sup> , JAE RYUL BAE <sup>1</sup> , WONGYOUNG LEE <sup>1</sup> , SOULMEE KOH <sup>1</sup> , SUNG HYUN KIM <sup>2</sup>	<sup>1</sup> Department of Neuroscience, Graduate School, Kyung Hee University, Seoul, Korea, Republic of, <sup>2</sup> Department of Physiology, School of Medicine, Kyung Hee University, Seoul, Korea, Republic of	P-08-1295
P16.14	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	The role of DJ-1 in CNS synapses	WONGYOUNG LEE <sup>1</sup> , JAE WON KYUNG <sup>2</sup> , JIN-MO KIM <sup>3</sup> , SANG MYUN PARK <sup>4</sup> , SUNG HYUN KIM <sup>2</sup>	<sup>1</sup> Department of Neuroscience, Graduate School, Kyung Hee University, Seoul, Korea, Republic of, <sup>2</sup> Department of Physiology, School of Medicine, Kyung Hee University, Seoul, Korea, Republic of, <sup>3</sup> Department of Biomedical Science, Graduate School, Kyung Hee University, Seoul, Korea, Republic of, <sup>4</sup> Aju University School of Medicine, Suwon, Korea, Republic of	P-08-1293
P16.15	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	Changes in glutamate receptors immunoreactivity in the hippocampus of epileptic rats with fast ripple activity	GUSTAVO A. CHIPRES-TINAJERO <sup>1</sup> , MIGUEL A. NUÑEZ-OCHOA <sup>1</sup> , LAURA MEDINA-CEJA <sup>1</sup> , LAURA MEDINA-CEJA <sup>1</sup>	<sup>1</sup> Universidad de Guadalajara, Guadalajara, Mexico	P-08-1254
P16.16	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	Structure and plasticity of silent synapses in developing hippocampal neurons visualized by super-resolution imaging	CHENG XU <sup>1</sup> , GUO-QIANG BI <sup>1</sup>	<sup>1</sup> University of Science and Technology of China, Hefei, China	P-08-1207
P16.17	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	Effect of Testosterone on Electrophysiological Properties of RA Projection Neurons in Adult Female Zebra Finches ( <i>Taeniopygia guttata</i> )	DONGFENG LI <sup>1</sup> , TING CUI <sup>1</sup>	<sup>1</sup> South China Normal University, Guangzhou, China	P-08-1189
P16.18	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	TMEM16A-deficient cholinergic neurons of medial habenula mediate anxiogenic behaviors	ALJUNG KIM <sup>1</sup> , CHANGHOON CHO <sup>2</sup> , SANGJOON LEE <sup>1</sup> , OLEG YARISHKIN <sup>1</sup> , HYUN-GUG JUNG <sup>1</sup> , DA-YOUNG LEE <sup>1</sup> , HYUN KIM <sup>1</sup> , UKTAE OH <sup>1</sup> , HEH-IN IM <sup>1</sup> , JAE-YONG PARK <sup>2</sup> , EUN MI HWANG <sup>1</sup>	<sup>1</sup> KIST, Seoul, Korea, Republic of, <sup>2</sup> Korea University, Seoul, Korea, Republic of, <sup>3</sup> KRIBB, Seoul, Korea, Republic of	P-08-1188
P16.19	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	Functional evidence for insulin and GLP1 action on neocortical neurogliaform cells	GABOR MOLNAR <sup>1</sup> , SZABINA FURDAN <sup>1</sup> , VERONIKA NAVAROVA <sup>1</sup> , KATALIN MKITTE <sup>1</sup> , MARTON ROZSA <sup>1</sup> , EVA CSAJBOK <sup>1</sup> , GABOR TAMAS <sup>1</sup>	<sup>1</sup> University of Szeged, Szeged, Hungary	P-08-1184
P16.20	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	Circadian regulation of the immediate early gene Neuronal Perctrain 2 secretion: <i>in vivo</i> imaging study	SEUNG-EON ROH <sup>1</sup> , MEIFANG XIAO <sup>1</sup> , JIECHAO ZHUO <sup>1</sup> , ALENA SAVONENKO <sup>2</sup> , PAUL WORLEY <sup>1</sup>	<sup>1</sup> Johns Hopkins University Neuroscience, Baltimore, USA, <sup>2</sup> Johns Hopkins University Neuroepithology, Baltimore, USA	P-08-1121
P16.21	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	Serotonergic modulation of prefrontal cortex plasticity: role of 5HT <sub>2A</sub> in a depression animal model	JOSÉ FRANCIS-OLIVEIRA <sup>1</sup> , GUILHERME HIGAZI <sup>2</sup> , ROBERTO DE PASQUALE <sup>1</sup>	<sup>1</sup> São Paulo University, São Paulo, Brazil, <sup>2</sup> ABC Federal University, Santo André, Brazil	P-08-1114
P16.22	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	Chemical LTD, but not LTP, induces transient accumulation of gelatinin in dendritic spines	IRYNA HLUSHCHENKO <sup>1</sup> , PIRTA HOTULAINEN <sup>2</sup>	<sup>1</sup> University of Helsinki / Minerva Institute for Medical Research, Helsinki, Finland, <sup>2</sup> University of Helsinki / Minerva Foundation Institute for Medical Research, Helsinki, Finland	P-08-1089
P16.23	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	Changes in corticorotator excitability of the calf muscles during postural tasks	ALENA MILITSKOVA <sup>1</sup> , ELVIRA MUKHAMETOVA <sup>1</sup> , LEILA ZARIPOVA <sup>1</sup> , TATIANA BALTINA <sup>1</sup>	<sup>1</sup> Kazan Federal University, Kazan, Russia	P-08-1063
P16.24	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	Cholinergic modulation of the intrinsic properties of subicular neuron via direct suppression of HCN channel	SONALI VASNIK <sup>1</sup> , SUJIT SIKDAR <sup>1</sup>	<sup>1</sup> Indian Institute of Science, Bangalore, India	P-08-1035
P16.25	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	Effects of the antagonist of NMDA-receptors on electrical properties of the neurons of the visceral ganglion in terrestrial snail <i>Helix lucorum</i>	ANASTASIA FROLOVA <sup>1</sup> , DINARA SILANTYEVA <sup>1</sup> , VYACHESLAV ANDRIANOV <sup>1</sup> , KHALIL GAMUTDINOV <sup>1</sup> , DINARA SILANTYEVA <sup>1</sup>	<sup>1</sup> Kazan Federal University, Kazan, Russia	P-08-1028
P16.26	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.23 12:40	2019.09.23 14:40	In vivo activation of mossy cells inhibits dentate granule cells and reduces anxiety	CHENG-CHANG LIEN <sup>1</sup> , KAI-YI WANG <sup>1</sup>	<sup>1</sup> National Yang-Ming University, Taipei, Taiwan, China	P-08-0989
P17.01	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.23 12:40	2019.09.23 14:40	Timely activation of prefrontally-projecting basal forebrain paraventricular neurons contributes to emergence or termination of global workspace in 40 Hz auditory evoked activation	EUNJIN HWANG <sup>1</sup> , RITCHE E. BROWN <sup>1</sup> , BERNAT KOCSIS <sup>1</sup> , TAE KIM <sup>1</sup> , JAMES T. MCKENNA <sup>1</sup> , JAMES M. MCNALLY <sup>1</sup> , HIO-BEEN HAN <sup>2</sup> , JEE HYUN CHOI <sup>2</sup>	<sup>1</sup> Labup, Seoul, Korea, Republic of, <sup>2</sup> Center for Neuroscience, Korea Institute of Science and Technology, Seoul, Korea, Republic of, <sup>3</sup> Department of Psychiatry, VA Boston Healthcare System and Harvard Medical School, West Roxbury, USA, <sup>4</sup> Department of Psychiatry, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, USA, <sup>5</sup> Department of Biomedical Science and Engineering, Gwangju Institute of Science and Technology, Gwangju, Korea, Republic of	P-09-1522
P17.02	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.23 12:40	2019.09.23 14:40	Role of the circuitry between cerebellum and VTA in stress-related behaviours	SOOJI BAEK <sup>1</sup> , YUKIO YAMAMOTO <sup>2</sup> , HOJIN LEE <sup>2</sup> , JINHYUN KIM <sup>1</sup> , KEIKO YAMAMOTO <sup>2</sup>	<sup>1</sup> KIST, Seoul, Korea, Republic of, <sup>2</sup> Korea Institute of Science and Technology (KIST), Korea University of Science and Technology (UST), Seoul, Korea, Republic of, <sup>3</sup> Korea Institute of Science and Technology (KIST), Seoul, Korea, Republic of	P-09-1520
P17.03	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.23 12:40	2019.09.23 14:40	Bioinformatic analysis of long-range projectome from and to the posterior parietal cortex of the mouse	SOOK JIN SON <sup>1</sup> , SEUNG WOOK OH <sup>1</sup> , JOHN A MORRIS <sup>2</sup> , CHANGKYU LEE <sup>3</sup> , JONG-CHEOL RAH <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of, <sup>2</sup> Grace Medical University, Washington, USA, <sup>3</sup> Allen Institute for Brain Science, Seattle, USA	P-09-1500
P17.04	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.23 12:40	2019.09.23 14:40	Responses characteristics stabilized by inhibitory inputs in hippocampal dentate gyrus	NAOKI NAKAJIMA <sup>1</sup> , HIROFUMI HAYAKAWA <sup>1</sup> , TOSHIKAZU SAMURA <sup>2</sup> , TAKESHI AIHARA <sup>1</sup>	<sup>1</sup> Tanigawa University, Tokyo, Japan, <sup>2</sup> Yamaguchi University, Yamaguchi, Japan	P-09-1490
P17.05	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.23 12:40	2019.09.23 14:40	Population coding of multiple types of information in dentate gyrus	RYUICHI NAKAJIMA <sup>1</sup> , TOMOYUKI MURANO <sup>1</sup> , AKITO NAKAO <sup>1</sup> , NAO HIRATA <sup>1</sup> , SATOKO AMEMORI <sup>1</sup> , AKIRA MURAKAMI <sup>1</sup> , YUKIYASU KAMITANI <sup>1</sup> , JUN YAMAMOTO <sup>1</sup> , TSUYOSHI MIYAKAWA <sup>1</sup>	<sup>1</sup> Division of Systems Medical Science, Institute for Comprehensive Medical Science, Fujita Health University, Toyoake, Aichi, Japan, <sup>2</sup> Department of Synthetic Chemistry and Biological Chemistry, Graduate School of Engineering, Kyoto University, Kyoto, Japan, <sup>3</sup> Graduate School of Informatics, Kyoto University, Kyoto, Japan, <sup>4</sup> Department of Psychiatry, Neuroscience Division, The University of Texas Southwestern Medical Center, Dallas, TX, USA	P-09-1488
P17.06	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.23 12:40	2019.09.23 14:40	Cell type-specific gap junction network of excitatory neurons in the developing neocortex	NAO NAKAGAWA <sup>1</sup> , TOSHIHIKO HOSOYA <sup>2</sup>	<sup>1</sup> Kagoshima University, Kagoshima-shi, Japan, <sup>2</sup> RIKEN, Wako-shi, Japan	P-09-1473

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P17.07	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.23 12:40	2019.09.23 14:40	Cortical long-range horizontal connectivity for parsimonious coding of natural image	SEUNGDAE BAEK <sup>1</sup> , YOUNGJUN PARK <sup>1</sup> , WOOCHEUL CHOI <sup>1</sup> , SE-BUM PAIK <sup>2</sup>	<sup>1</sup> Department of Bio and Brain Engineering, Daejeon, Korea, Republic of, <sup>2</sup> Department of Bio and Brain Engineering, Program of Brain and Cognitive Engineering, Korea Advanced Institute of Science and Technology, Daejeon, Korea, Republic of, <sup>3</sup> Department of Bio and Brain Engineering, Daejeon, Korea, Republic of, <sup>4</sup> Department of Bio and Brain Engineering, Program of Brain and Cognitive Engineering, Korea Advanced Institute of Science and Technology, Daejeon, Korea, Republic of	P-09-1457
P17.08	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.23 12:40	2019.09.23 14:40	Predicting the treatment response of obsessive-compulsive disorder based on resting-state functional connectivity biomarkers via machine-learning	SEOYEON KWAK <sup>1</sup> , MINAH KIM <sup>2</sup> , TAE YOUNG LEE <sup>3</sup> , JUN SOO KWON <sup>2</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Department of Neurology, Seoul National University Hospital, Seoul, Korea, Republic of, <sup>3</sup> Seoul National University Hospital, Seoul, Korea, Republic of	P-09-1454
P17.09	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.23 12:40	2019.09.23 14:40	Retinal origin of simple and complex cells in visual cortex	GWANGSU KIM <sup>1</sup> , JAESON JANG <sup>1</sup> , SE-BUM PAIK <sup>1</sup>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of	P-09-1448
P17.10	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.23 12:40	2019.09.23 14:40	Effect of Sinusoidal Supra-threshold Stimulation on Activation of Excitatory and Inhibitory Neurons: A Computational Study	HYEON SEO <sup>1</sup> , SEUNGJUN RYU <sup>2</sup> , HYOUNG-IHL KIM <sup>2</sup> , SUNG CHAN JUN <sup>2</sup>	<sup>1</sup> Medical Device Development Center, Daegu Gyeongbuk Medical Innovation Foundation (DGMIF), Daegu, Korea, Republic of, <sup>2</sup> School of Electrical Engineering and Computer Science, Gwangju Institute of Science and Technology (GIST), Gwangju, Korea, Republic of, <sup>3</sup> Department of Biomedical and Science and Engineering (BMSE), Institute of Integrated Technology (IIT), Gwangju Institute of Science and Technology (GIST), Gwangju, Korea, Republic of	P-09-1420
P17.11	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.23 12:40	2019.09.23 14:40	Energy Landscape Analysis of Depressive Brain State Dynamics	PAUL ROSSENER REGONIA <sup>1</sup> , MASAHIRO TAKAMURA <sup>2</sup> , NAHO ICHIKAWA <sup>3</sup> , TAKASHI NAKANO <sup>4</sup> , KAZUSHI IKEDA <sup>5</sup> , GO OKADA <sup>6</sup> , YASUMASA OKAMOTO <sup>7</sup> , SHIGETO YAMAWAKI <sup>8</sup> , JUNICHIRO YOSHIMOTO <sup>9</sup>	<sup>1</sup> Nara Institute of Science and Technology, Ikoma, Japan, <sup>2</sup> Brain, Mind and KANSEI Sciences Research Center, Hiroshima University, Higashihiroshima, Japan, <sup>3</sup> Department of Psychiatry and Neurosciences, Institute of Biomedical and Health Sciences, Hiroshima University, Higashihiroshima, Japan	P-09-1396
P17.12	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.23 12:40	2019.09.23 14:40	Automated synapse detection in serial electron microscope images of the cerebellum	CHANGJOO PARK <sup>1</sup> , JAWON GIM <sup>2</sup> , JINSEOP S. KIM <sup>2</sup>	<sup>1</sup> Daegu Gyeongbuk Institute of Science and Technology (DGIST), Korea Brain Research Institute (KBRI), Daegu, Korea, Republic of, <sup>2</sup> Korea Brain Research Institute (KBRI), Daegu Gyeongbuk Institute of Science and Technology (DGIST), Daegu, Korea, Republic of, <sup>3</sup> Korea Brain Research Institute (KBRI), Daegu, Korea, Republic of	P-09-1367
P17.13	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.23 12:40	2019.09.23 14:40	Cellular and subcellular organization of the cerebellum in serial electron microscope images	YOON SEOK IM <sup>1</sup> , SANG-KYU BAHN <sup>2</sup> , JINSEOP KIM <sup>2</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of, <sup>2</sup> Institution, Daegu, Korea, Republic of	P-09-1361
P17.14	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.23 12:40	2019.09.23 14:40	Learning-Related Patterns of Prefrontal Neuronal Activity during Credit Assignment	EUNJEONG LEE <sup>1</sup> , WAEL ASAAD <sup>2</sup>	<sup>1</sup> Department of Neuroscience, Brown University, Providence, USA, <sup>2</sup> Department of Neuroscience and Department of Neurosurgery, Brown University, Providence, USA	P-09-1340
P17.15	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.23 12:40	2019.09.23 14:40	A reconstruction pipeline with real-time 3D viewer for serial electron microscope images of the cerebellum	JUNGEUN SON <sup>1</sup> , JAWON GIM <sup>2</sup> , SANG-KYU BAHN <sup>2</sup> , JINSEOP KIM <sup>2</sup>	<sup>1</sup> KBRI, Daegu, Korea, Republic of	P-09-1309
P17.16	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.23 12:40	2019.09.23 14:40	Abnormal Cortical Folding Correlates with Working Memory in Unaffected Relatives of Schizophrenia	IN KYUNG PARK <sup>1</sup> , TAE YOUNG LEE <sup>1</sup> , JUN SOO KWON <sup>2</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, College of Natural Sciences, Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Department of Psychiatry, Seoul National University College of Medicine, Seoul, Korea, Republic of	P-09-1298
P17.17	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.23 12:40	2019.09.23 14:40	Exploring and visualizing omics datasets in web-based integrated database	JU YEON CHOI <sup>1</sup> , NAM UK KIM <sup>1</sup> , YU JIN JANG <sup>1</sup> , JUNG YOUNG HEO <sup>1</sup> , BYUNG GEUN HA <sup>1</sup> , SUNG JIN JEONG <sup>1</sup>	<sup>1</sup> KBRI, Daegu, Korea, Republic of	P-09-1289
P17.18	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.23 12:40	2019.09.23 14:40	Characterizing selectivity of S1 neurons in multidimensional sensory feature space	SA-YOON PARK <sup>1</sup> , YOO RIM KIM <sup>2</sup> , SUN KWANG KIM <sup>2</sup> , SANG JEONG KIM <sup>2</sup> , CHANG-EOP KIM <sup>2</sup>	<sup>1</sup> Gachon University, Yeonggi-do, Korea, Republic of, <sup>2</sup> Seoul National University, Seoul, Korea, Republic of, <sup>3</sup> Kyung Hee University, Seoul, Korea, Republic of	P-09-1274
P17.19	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.23 12:40	2019.09.23 14:40	Causal relationship of CA3 back projection to dentate gyrus and its role in the CA1 fast ripple generation	MIGUEL A. NÚÑEZ-OCHOA <sup>1</sup> , GUSTAVO A. CHIPRES-TINAJERO <sup>1</sup> , NADIA P. GONZÁLEZ-DOMÍNGUEZ <sup>2</sup> , LAURA MEDINA-CEJA <sup>1</sup> , LAURA MEDINA-CEJA <sup>1</sup>	<sup>1</sup> Universidad de Guadalajara, Guadalajara, Mexico, <sup>2</sup> Instituto Tecnológico y de Estudios Superiores de Monterrey, Guadalajara, Mexico	P-09-1253
P17.20	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.23 12:40	2019.09.23 14:40	Identification of saccade related regions in the frontal cortex of common marmoset	WAJO AMIL <sup>1</sup> , CHIH-YANG CHEN <sup>1</sup> , DENIS MATROV <sup>1</sup> , KUANG-TING HO <sup>1</sup> , TADASHI ISA <sup>1</sup>	<sup>1</sup> Department of Neuroscience, Graduate school of Medicine, Kyoto University, Kyoto, Japan	P-09-1239
P17.21	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.23 12:40	2019.09.23 14:40	Prediction of brain morphology from structural MRI: A validation study using machine learning	TAMMY D. KIM <sup>2</sup> , JUNGYOON KIM <sup>2</sup> , SUJUNG YOON <sup>2</sup> , IN KYOON LYOO <sup>2,3</sup> , JAEUK HWANG <sup>4</sup>	<sup>1</sup> Ewha Brain Institute, Ewha W. University, <sup>2</sup> Department of Brain and Cognitive Sciences, Ewha W. University, <sup>3</sup> Graduate School of Pharmaceutical Sciences, Ewha W. University, <sup>4</sup> Department of Psychiatry, Soonchunhyang University College of Medicine	P-09-1208
P17.22	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.23 12:40	2019.09.23 14:40	Impaired limbic pathways to callous-unemotional traits in children with conduct disorder	HYUNGYOU PARK <sup>1</sup> , MARCO CATANI <sup>2</sup> , ARJUN SETHI <sup>3</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Natrainlab, Department of Forensic and Neurodevelopmental Sciences, Institute of Psychiatry, South London, London, UK, <sup>3</sup> Department of Psychiatry and Neurosciences, King's College London, UK, London, UK, <sup>4</sup> Developmental Risk & Resilience Unit, Division of Psychology & Language Sciences, University College London, UK, London, UK	P-09-1174
P17.23	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.23 12:40	2019.09.23 14:40	Automated dataset generation Pipeline for 3D Web visualization and cloud processing	NAM UK KIM <sup>1</sup> , BYEONG SOO KANG <sup>2</sup> , SUNG JIN JEONG <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of, <sup>2</sup> SYOFT, Daegu, Korea, Republic of	P-09-1164
P17.24	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.23 12:40	2019.09.23 14:40	Abnormal auditory mismatch responses to sound duration deviants in a neurodevelopmental rat model of schizophrenia	HIROYOSHI INABA <sup>1</sup> , HIDEKAZU SOTOYAMA <sup>1</sup> , ITARU NARAHARA <sup>1</sup> , HISAKI NAIMA <sup>1</sup> , EIICHI JODO <sup>2</sup> , SATOSHI EUFUKU <sup>1</sup> , HIROKI YABE <sup>1</sup> , HIROYUKI NAWA <sup>1</sup>	<sup>1</sup> Dept Mol Neurobiol, Brain Res Inst, Niigata Univ, Niigata, Japan, <sup>2</sup> Dept Systems Neuroscience, Fukushima Med Univ Sch Med, Fukushima, Japan, <sup>3</sup> Dept Neuropsychiatry, Fukushima Med Univ Sch Med, Fukushima, Japan	P-09-1163
P18.01	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Characterizing responses of retinal ganglion cells considering adequate stimulations for retinal prosthesis	YOUNGHA JUNG <sup>1</sup> , SUNGMOO LEE <sup>2</sup> , CHAE EUN LEE <sup>1</sup> , BRADLEY BAKER <sup>2</sup> , YOON-KYU SONG <sup>1</sup>	<sup>1</sup> Seoul National University, Suwon, Korea, Republic of, <sup>2</sup> Korea Institute of Science and Technology, Seoul, Korea, Republic of	P-10-1524
P18.02	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Mobility state maintenance by a novel thalamo-basal ganglia circuit through STN	CHENGHONG PARK <sup>1</sup> , WOORYEON SHIN <sup>1</sup> , JEONGJIN KIM <sup>2</sup>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of, <sup>2</sup> Center for neuroscience, Korea Institute of Science and Technology (KIST), Seoul, Korea, Republic of	P-10-1435
P18.03	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Endocannabinoid receptor 1 contributes to fasting-induced analgesia	JEONGHUN LEE <sup>1</sup> , GRACE J LEE <sup>1</sup> , PA REUM LEE <sup>1</sup> , CHAN HEE WON <sup>1</sup> , YOUNGNAM KANG <sup>1</sup> , SEOG BAE OH <sup>1</sup>	<sup>1</sup> Seoul national university, Seoul, Korea, Republic of	P-10-1427
P18.04	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	ALCAM is involved in spinal long-term potentiation and neuropathic pain	DONG-HO YOON <sup>1</sup> , EUN-SUNG PARK <sup>1</sup> , ARAM KWON <sup>2</sup> , SANG-MIN JEON <sup>3</sup> , KJ BUM PARK <sup>3</sup> , HEE-JUNG CHO <sup>4</sup>	<sup>1</sup> Department of Oral Physiology, School of Dentistry, Kyungpook National University, Daegu, Korea, Republic of, <sup>2</sup> Department of Anatomy, School of Medicine, Kyungpook National University, Daegu, Korea, Republic of, <sup>3</sup> Department of Anesthesia, Keimyung University Dongsan Hospital, Daegu, Korea, Republic of	P-10-1407
P18.05	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Changes in brain activity associated with recovery of hand movements after spinal cord injury	REONA YAMAGUCHI <sup>1</sup> , TOSHINARI KAWASAKI <sup>1</sup> , ZENAS CHAO <sup>2</sup> , MASAHIRO MITSUHASHI <sup>1</sup> , SATOKO UENO <sup>1</sup> , TADASHI ISA <sup>1</sup>	<sup>1</sup> Kyoto university, Kyoto-shi, Japan	P-10-1406
P18.06	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Effects of artificial intelligence (AI) based Integrated Robotic-assisted Gait, Music, and Light Brain Fitness Training (BRAIN-FIT) on electroencephalography (EEG) brain mapping of frontal alpha asymmetry (FA) and Associated Psychological Behaviors in Anxiety and Depression	JWON SHIN <sup>1</sup> , HAEUN PARK <sup>1</sup> , CHANHEE PARK <sup>1</sup> , JONGSEOK HWANG <sup>1</sup> , HONGGI AN <sup>1</sup> , JYOUNG LEE <sup>2</sup> , JUNGHUN HAN <sup>2</sup> , SEJUNG YANG <sup>2</sup> , SUNG HYUN YO <sup>1</sup>	<sup>1</sup> Department of Physical therapy, Yonsei University, Wonju, Korea, Republic of, <sup>2</sup> Department of Biomedical Engineering, Yonsei University, Wonju, Korea, Republic of	P-10-1400
P18.07	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Neural activities from the primary motor cortex while a monkey observes movements of a robot arm for use of neuroprosthetic	SEONG-MIN KIM <sup>1</sup> , MINKI KIM <sup>2</sup> , SUNG-YONG HYUN <sup>1</sup> , SOYONS CHAE <sup>2</sup> , HYEJIN PARK <sup>1</sup> , SUNG-PHIL KIM <sup>1</sup> , JEONG-WOO SOHN <sup>1</sup>	<sup>1</sup> Catholic Kwandong University, Incheon, Korea, Republic of, <sup>2</sup> Ulsan National Institute of Science and Technology, Ulsan, Korea, Republic of	P-10-1356
P18.08	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Transcriptomic evidence that von Economo neurons are regionally specialized extralenticular-projecting excitatory neurons	JEREMY MILLER <sup>1</sup> , REBECCA HODGE <sup>1</sup> , MARK NOVOTNY <sup>2</sup> , JONATHAN TING <sup>3</sup> , BRIAN KALMBACH <sup>4</sup> , TRYGVE BAKKEN <sup>5</sup> , BRIAN EVERMANN <sup>6</sup> , ELIZA BARKAN <sup>7</sup> , MADELINE BERKOWITZ-CERASANO <sup>8</sup> , CHARLES COBBS <sup>9</sup> , FRANCISCO DIEZ-FUERTE <sup>2</sup> , SONG-LIN DING <sup>1</sup> , JAMISON MCCORRISON <sup>10</sup> , NICHOLAS SCHORK <sup>11</sup> , SORAYA SHEHATA <sup>12</sup> , KIMBERLY SMITH <sup>13</sup> , SUSAN SUNKIN <sup>14</sup> , DANNY TRAN <sup>15</sup> , PRATAP VENEPALLY <sup>16</sup> , ANNA MARIE YANNY <sup>17</sup> , FRANK STEEMERS <sup>18</sup> , JOHN PHILLIPS <sup>19</sup> , AMY BERNARD <sup>20</sup> , CHRISTOF KOCH <sup>21</sup> , ROGER LASKEN <sup>22</sup> , RICHARD SCHEURMANN <sup>23</sup> , ED LEVI <sup>24</sup>	<sup>1</sup> Allen Institute for Brain Science, Seattle, USA, <sup>2</sup> Craig Venter Institute, La Jolla, USA, <sup>3</sup> Department of Neurological Surgery, University of Washington, Seattle, USA, <sup>4</sup> The Ben and Catherine Ivy Center for Advanced Brain Tumor Treatment, Swedish Neuroscience Institute, Seattle, USA, <sup>5</sup> Craig Venter Institute, Rockville, USA, <sup>6</sup> Humana, Inc., San Diego, USA	P-10-1344
P18.09	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Sophisticated neural networks for generating error signals that drive adaptation in reaching	SHIGERU KITAZAWA <sup>1</sup> , MASATO INOUE <sup>1</sup>	<sup>1</sup> Osaka University, Osaka, Japan	P-10-1324
P18.10	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Trans-spinal ultrasound stimulation	JEUNGEUN KUM <sup>1</sup> , EVGENII KIM <sup>1</sup> , HYUNGMIN KIM <sup>1</sup>	<sup>1</sup> Center for Bionics, Korea Institute of Science and Technology, Korea, Republic of	P-10-1320
P18.11	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Analysis of body movement using EEG for the limb activity of paralysis patients	JONGSOOK SANGUANTRAKUL <sup>1</sup> , NATTAWAT SOOTREKULPONG <sup>1</sup> , THANAWIN TRAKOOLWILAIWAN <sup>1</sup> , YODCHANAN WONGSAWAT <sup>1</sup>	<sup>1</sup> Department of Biomedical Engineering, Faculty of Engineering, Mahidol University, Nakhon Pathom, Thailand	P-10-1312
P18.12	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Glial regulation in the insular cortex alleviates neuropathic pain caused by nerve injury	SONGYEON CHOI <sup>1</sup> , KYEONGMIN KIM <sup>1</sup> , MYEOUNGHOON CHA <sup>1</sup> , BAE HWAN LEE <sup>1</sup>	<sup>1</sup> Yonsei University College of Medicine, Seoul, Korea, Republic of	P-10-1306
P18.13	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Pain-relieving effect of mTOR inhibitors in the insular cortex of neuropathic rats	KYEONGMIN KIM <sup>1</sup> , SONGYEON CHOI <sup>1</sup> , MYEOUNGHOON CHA <sup>1</sup> , BAE HWAN LEE <sup>1</sup>	<sup>1</sup> Yonsei University, Seoul, Korea, Republic of	P-10-1303
P18.14	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Columnar scale representation of faces in the human inferotemporal cortex	TOPI TANSKANEN <sup>1</sup> , R. ALLEN WAGGONER <sup>1</sup> , KENICHI UENO <sup>1</sup> , KANG CHENG <sup>1</sup> , KEIJI TANAKA <sup>1</sup>	<sup>1</sup> RIKEN, Wako-shi, Japan	P-10-1302
P18.15	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Astroglial changes in the zona incerta in response to motor cortex stimulation in a rat model of chronic neuropathy	MYEOUNGHOON CHA <sup>1</sup> , KYEONGMIN KIM <sup>1</sup> , SONGYEON CHOI <sup>1</sup> , BAE HWAN LEE <sup>1</sup>	<sup>1</sup> Yonsei University College of Medicine, Seoul, Korea, Republic of	P-10-1276
P18.16	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Anoctamin 1/MEEM16A in pruritocceptors mediates histamine-independent itch	HYESU KIM <sup>1</sup> , HUANJUN LU <sup>1</sup> , HUNGSUP KIM <sup>1</sup> , JAE HYOUK CHOI <sup>1</sup> , THIEN LUAN NGUYEN <sup>1</sup> , SUNGMIN PAK <sup>1</sup> , GUY-SANG HONG <sup>1</sup> , UHTEAK OH <sup>1</sup>	<sup>1</sup> Korea Science Institute, Korea Institute of Science and Technology (KIST), Seoul, Korea, Republic of	P-10-1267
P18.17	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Therapeutic inhibition of the necroptosis cell death signalling pathway in amyotrophic lateral sclerosis	TAIDE WANG <sup>1</sup> , NIRMA PERERA <sup>1</sup> , JAMES MURPHY <sup>2</sup> , DORIS TOMAS <sup>3</sup> , BRADLEY TURNER <sup>4</sup>	<sup>1</sup> The Florey Institute of Neuroscience and Mental Health, Melbourne, Australia, <sup>2</sup> Walker and Eliza Hall Institute of Medical Research, Melbourne, Australia	P-10-1255
P18.18	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Effect of odor pleasantness on heat-induced pain: An fMRI study	HAN-GUE JO <sup>1</sup> , OLGA WUDARCZYK <sup>1</sup> , MARCEL LECLERC <sup>1</sup> , CHRISTINA REGENBOGEN <sup>1</sup> , ANGELIKA LAMPERT <sup>1</sup> , MARKUS ROTHERMEL <sup>1</sup> , UTE HABEL <sup>1</sup>	<sup>1</sup> RWTH Aachen University, Aachen, Germany	P-10-1231
P18.19	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Chronic opioid administration results in $\mu$ -opioid receptor excitatory signaling at a descending pain facilitatory area of the brain	ANA RITA COSTA <sup>1</sup> , MARILA SOUSA <sup>1</sup> , STEVEN P. WILSON <sup>2</sup> , ISAUARA TAVARES <sup>1</sup> , ISABEL MARTINS <sup>1</sup>	<sup>1</sup> Faculty of Medicine, University of Porto, I3s - Institute for research and innovation in health, Porto, Portugal, <sup>2</sup> Dept. of Physiology, Pharmacology and Neurosciences, University of South Carolina, School of Medicine, USA, South Carolina, USA	P-10-1187
P18.20	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Changes in Structural and Functional Neural Networks in Central Post-stroke Pain following Intracerebral Hemorrhage	NA YOUNG KIM <sup>1</sup> , SEUNG BEEN HONG <sup>2</sup> , YONG WOOK KIM <sup>2</sup>	<sup>1</sup> Yonsei University, Seoul, Korea, Republic of, <sup>2</sup> Department & Research Institute of Rehabilitation Medicine, Yonsei University College of Medicine, Seoul, Korea, Republic of	P-10-1185

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P18.21	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Piezo1 ion channel is expressed in mouse and human dorsal root ganglion neurons	JU EUN ROH <sup>1</sup> , SUNG-MIN HWANG <sup>2</sup> , YONG HO KIM <sup>3</sup> , CHUL-KYU PARK <sup>4</sup>	<sup>1</sup> Department of Physiology, College of Medicine, Gachon University, Incheon, Korea, Republic of	P-10-1180
P18.22	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Piezo2 expression in the spinal cord of neuropathic pain rat model	PHAM THUY LINH <sup>1</sup> , JUHEE SHIN <sup>2</sup> , YIN YU HUA <sup>2</sup> , HYO JUNG SHIN <sup>2</sup> , NARA SHIN <sup>2</sup> , HYEOK HEE KWON <sup>2</sup> , JINPYO HONG <sup>2</sup> , DONG WOO KIM <sup>1</sup>	<sup>1</sup> Chungnam National University, Daejeon, Korea, Republic of, <sup>2</sup> Chungnam National University, Daejeon, Korea, Republic of	P-10-1131
P18.23	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Ultra-High Field 7T MRI In-vivo Structural Connectivity of the Human Cortico-Subthalamic Hyperdirect Pathway	DAE-HYUK KWON <sup>1</sup> , ZANG-HEE CHO <sup>1</sup>	<sup>1</sup> University of Suwon, Hwasong, Korea, Republic of	P-10-1126
P18.24	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	PI3K inhibition reduces mechanical allodynia and sensitization of spinal TRPV1 receptors in a model of paclitaxel-induced painful neuropathy	JIRI PALECEK <sup>1</sup> , PAVEL ADAMEK <sup>1</sup> , MARIO HELES <sup>1</sup>	<sup>1</sup> Institute of Physiology, Czech Academy of Science, Prague, Czech Republic	P-10-1108
P18.25	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Kinins and its B <sub>1</sub> and B <sub>2</sub> receptors are involved in a fibromyalgia-like pain symptoms model	SARA OLIVEIRA <sup>1</sup> , INDIARA BRUSCO <sup>2</sup> , CASSIA SILVA <sup>2</sup> , RAHISA SCUSSEL <sup>3</sup> , RICARDO MACHADO-DE-ÁVILA <sup>3</sup> , SUSANA FISCHER <sup>1</sup>	<sup>1</sup> Federal University of Santa Maria, Santa Maria, Brazil, <sup>2</sup> Federal University of Uberlândia, Uberlândia, Brazil, <sup>3</sup> University of Extrem South Catarina, Criciúma, Brazil	P-10-1094
P18.26	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Role of Transient Receptor Potential Ankyrin 1 (TRPA1) on Nociception Caused by a Murine Model of Breast Cancer	GABRIELA TREVISAN DOS SANTOS <sup>1</sup> , AMANDA SPRING DE ALMEIDA <sup>1</sup> , FLAVIA KARINE RIGO <sup>2</sup> , SAMIRA DAL-TOÁ DE PRÁ <sup>3</sup> , ALESSANDRA MARCONE MILIOLI <sup>2</sup> , GABRIELE CHEIRAN PEREIRA <sup>3</sup> , EVELYNE DA SILVA BRUM <sup>1</sup> , CAREN TATIANE ANTONIAZZI <sup>1</sup> , SARA MARCHESAN OLIVEIRA <sup>1</sup>	<sup>1</sup> Federal University of Santa Maria, Santa Maria, Brazil, <sup>2</sup> Universidade do Extremo Sul Catarinense, Criciúma, Brazil	P-10-1093
P18.27	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Stem cells and neurodegenerative disorders: from basic research, large-scale cells expansion to clinical testing	SERHIY FOROSTYAK <sup>1</sup> , PETR BENES <sup>2</sup> , TEREZA KUCIRKOVA <sup>2</sup> , YU MI PARK <sup>3</sup> , MINJI LEE <sup>3</sup> , TOMAS KASKO <sup>4</sup> , HANA LEDJAROVA <sup>5</sup> , LADISLAVA VYMETALOVA <sup>6</sup> , ZDENEK KORISTKA <sup>7</sup>	<sup>1</sup> PRIMECELL ADVANCED THERAPY, A.S., Brno, Czech Republic, <sup>2</sup> International Clinical Research Center, St. Anna's University Hospital, Brno, Czech Republic, <sup>3</sup> Cell Therapy R&D Center, HansBiomed Corp., Seoul, Korea, Republic of, <sup>4</sup> PrimeCell Advanced Therapy Inc., National Tissue Centre Inc., Brno, Czech Republic, <sup>5</sup> Department of Transfusion & Tissue Medicine, University Hospital Brno, Brno, Czech Republic	P-10-1087
P18.28	Grand Ballroom, 3F	Sensory and motor systems	2019.09.23 12:40	2019.09.23 14:40	Chromatic Pupillometry: Characterization of the Pupillary Light Reflex in Octodon degus.	ADRIAN PALACIOS <sup>1</sup> , DAVID NEIRA <sup>2</sup> , PALOMA HARCHA <sup>3</sup> , NICOLAS PALANCA <sup>2</sup>	<sup>1</sup> Centro Interdisciplinario de Neurociencia de Valparaíso, Universidad de Valparaíso, Valparaíso, Chile, <sup>2</sup> Centro Interdisciplinario Neurociencia Valparaíso, Universidad de Valparaíso, Valparaíso, Chile, <sup>3</sup> Centro Interdisciplinario Neurociencia Valparaíso, Universidad de Valparaíso, Valparaíso, Chile	P-10-1079
P19.01	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Brain functional connectivity changes induced by transcranial ultrasound stimulation	ELOISE ANGULUAN <sup>1</sup> , YOUNG-JIN JUNG <sup>2</sup> , AXEL YEN GARCIA <sup>2</sup> , EVGENII KIM <sup>3</sup> , JAE GWAN KIM <sup>3</sup>	<sup>1</sup> Gwangju Institute of Science and Technology, Gwangju, Korea, Republic of, <sup>2</sup> Dongseo University, Busan, Korea, Republic of, <sup>3</sup> Korea Institute of Science and Technology, Seoul, Korea, Republic of	P-11-1479
P19.02	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	A subgroup of VTA dopamine neurons projecting to the nucleus accumbens are differentially activated by acute vs. repeated stress	JIN-YOUNG PARK <sup>1</sup> , PYUNG-LIM HAN <sup>1</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, Ewha Womans University, Seoul, Korea, Republic of	P-11-1477
P19.03	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Dendritic transport of postsynaptic density protein 95 (PSD-95) by KIF5A	KI-SEO YOO <sup>1</sup> , KINA LEE <sup>1</sup> , HYONG KYU KIM <sup>1</sup>	<sup>1</sup> Chungbuk National University, Cheongju, Korea, Republic of	P-11-1470
P19.04	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Expression mapping, quantification, and complex formation of GluD1 and GluD2 glutamate receptors in adult mouse brain	KOHTAROU KONNO <sup>1</sup> , CHIHIRO NAKAMOTO <sup>2</sup> , KENJI SAKIMURA <sup>3</sup> , MASANOBU KANO <sup>3</sup> , MASAHIKO WATANABE <sup>4</sup>	<sup>1</sup> Department of Anatomy, Faculty of Medicine, Hokkaido University, Sapporo, Japan, <sup>2</sup> Department of Animal Model Development, Brain Research Institute, Niigata University, Niigata, Japan, <sup>3</sup> Department of Neurophysiology, Graduate School of Medicine, the University of Tokyo, Tokyo, Japan	P-11-1465
P19.05	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Calcium-mediated constriction of mitochondrial inner compartment for efficient mitochondrial division in neuron	BONGKI CHO <sup>1</sup> , WOONG SUN <sup>2</sup>	<sup>1</sup> Daegu Gyeongbuk Institute of Science and Technology, Daegu, Korea, Republic of, <sup>2</sup> Korea University College of Medicine, Seoul, Korea, Republic of	P-11-1455
P19.06	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Influence of social agreement and private confidence on social revision of shared preference estimation	JAESOB LIM <sup>1</sup> , SANG-HUN LEE <sup>1</sup>	<sup>1</sup> Seoul national university, Seoul, Korea, Republic of	P-11-1446
P19.07	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Intronic eRNA is local regulator for gene expression and potential marker for ischemic stroke	JAE-YEOL JOO <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of	P-11-1440
P19.08	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Preliminary Study and Suggestions for the Recognition of Brain Donation	HO-WON LEE <sup>1</sup> , SOL JI HONG <sup>2</sup> , YONG-HYUN LIM <sup>3</sup> , JUNGEUN KIM <sup>4</sup> , PAN-WOO KO <sup>5</sup> , KI-SU PARK <sup>6</sup> , JI WON OH <sup>7</sup> , JI YOUNG PARK <sup>8</sup> , SANGHAN LEE <sup>9</sup> , JI-EUN KIM <sup>8</sup>	<sup>1</sup> School of Medicine, Kyungpook National University, Daegu, Korea, Republic of, <sup>2</sup> Kyungpook National University Chilgok Hospital Brain Bank, Daegu, Korea, Republic of, <sup>3</sup> Center of Self-Organizing Software-Platform, Kyungpook National University, Daegu, Korea, Republic of, <sup>4</sup> Department of Neurology, School of Medicine, Kyungpook National University, Daegu, Korea, Republic of, <sup>5</sup> Department of Neurosurgery, School of Medicine, Kyungpook National University, Daegu, Korea, Republic of, <sup>6</sup> Department of Anatomy, School of Medicine, Kyungpook National University, Daegu, Korea, Republic of, <sup>7</sup> Department of Pathology, School of Medicine, Kyungpook National University, Daegu, Korea, Republic of, <sup>8</sup> Department of Neurology, School of Medicine, Catholic University of Daegu, Daegu, Korea, Republic of	P-11-1437
P19.09	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Nurr1 performs the anti-inflammatory function by regulating RasGRP1 expression in neuro-inflammation.	MIHEE OH <sup>1</sup> , BAEK-SOO HAN <sup>1</sup>	<sup>1</sup> Korea Research Institute of Bioscience and Biotechnology, Daejeon, Korea, Republic of	P-11-1433
P19.10	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Zinc is essential for adult hippocampal neurogenesis	BO YOUNG CHOI <sup>1</sup> , DAE KI HONG <sup>1</sup> , JEONG HYUN JEONG <sup>1</sup> , JAE-YOUNG KOH <sup>2</sup> , SANG WON SUH <sup>1</sup>	<sup>1</sup> Department of Physiology, Hallym University College of Medicine, Chuncheon, Korea, Republic of, <sup>2</sup> Department of Neurology, University of Ulsan College of Medicine, Seoul, Korea, Republic of	P-11-1403
P19.11	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Postsynaptic cyclin Y modulates spatial memory and structural long-term potentiation through the cofilin-actin pathway	JIYEON SEO <sup>1</sup> , EUNSIL CHO <sup>2</sup> , YOUNG-NA HUR <sup>3</sup> , HEESUNG SOHN <sup>4</sup> , SEUNG-MIN LIM <sup>5</sup> , EUNJOON KIM <sup>6</sup> , MIKYOUNG PARK <sup>7</sup>	<sup>1</sup> Center for Functional Connectomics and Center for Neuroscience, Brain Science Institute, Korea Institute of Science and Technology, Seoul, Korea, Republic of, <sup>2</sup> Center for Functional Connectomics, Brain Science Institute, Korea Institute of Science and Technology, Seoul, Korea, Republic of, <sup>3</sup> Center for Functional Connectomics, Brain Science Institute, Korea Institute of Science and Technology, Seoul, Korea, Republic of, <sup>4</sup> Center for Functional Connectomics, Brain Science Institute, Korea Institute of Science and Technology, Seoul, Korea, Republic of, <sup>5</sup> Center for Functional Connectomics, Brain Science Institute, Korea Institute of Science and Technology, Seoul, Korea, Republic of, <sup>6</sup> Center for Functional Connectomics, Brain Science Institute, Korea Institute of Science and Technology, Seoul, Korea, Republic of, <sup>7</sup> Center for Functional Connectomics, Brain Science Institute, Korea Institute of Science and Technology, Seoul, Korea, Republic of	P-11-1387
P19.12	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Generation of gene-corrected iPSC line from Parkinson's disease patient iPSC with LRRK2 G2019S mutation using BAC-based homologous recombination	SEO-YOUNG LEE <sup>1</sup> , SANGKYUN JEONG <sup>1</sup> , SUN-KU CHUNG <sup>1</sup>	<sup>1</sup> Korea Institute of Oriental Medicine, Daejeon, Korea, Republic of	P-11-1384
P19.13	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	A new psychoactive substance, 25N-NBOMe exhibits rewarding and reinforcing effects via the dopaminergic system	KWANG-HYUN HUR <sup>1</sup> , JEE-YEON SEO <sup>1</sup> , YONG-SUP LEE <sup>2</sup> , HYOUNG-JUN KIM <sup>3</sup> , SEOK-YONG LEE <sup>4</sup> , CHOON-GON JANG <sup>1</sup>	<sup>1</sup> Sungkyunkwan university, Suwon, Korea, Republic of, <sup>2</sup> Kyung Hee University, Seoul, Korea, Republic of, <sup>3</sup> Kangwon National University, Chuncheon, Korea, Republic of, <sup>4</sup> Sungkyunkwan University, Suwon, Korea, Republic of	P-11-1370
P19.14	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	A chaos wavelet analysis on the EEG of patients with panic disorder	ADEDOYIN ADERINWALE <sup>1</sup>	<sup>1</sup> KAIST & Electronics and Telecommunications Research Institute of Korea (ETRI), Daejeon, Korea, Republic of	P-11-1368
P19.15	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Enhanced delivery of cell penetrating peptide fused proteins to mammalian cells	JINSAEM LEE <sup>1</sup> , JIN SUN KANG <sup>2</sup> , SANG-MI KIM <sup>3</sup> , CHANG-HWAN PARK <sup>2</sup>	<sup>1</sup> University, Seoul, Korea, Republic of, <sup>2</sup> Department of Microbiology, College of Medicine, Hanyang University, Seoul, Korea, Republic of, <sup>3</sup> Graduate School of Biomedical Science & Engineering, Seoul, Korea, Republic of, <sup>4</sup> Hanyang Biomedical Research Institute, Seoul, Korea, Republic of	P-11-1349
P19.16	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Development of microfluidics device to study mechanosensory neurons in the diapause of <i>Caenorhabditis elegans</i>	SUNGJONG KIM <sup>1</sup> , JUNHO LEE <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-11-1322
P19.17	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Establishment of convulsion spinal injury animal model using stereotaxic apparatus	DOH-JEONG KIM <sup>1</sup> , SEUNG-HEE LEE <sup>1</sup> , HYUN-JUN KIM <sup>1</sup> , KYUNG-HOON HAN <sup>1</sup>	<sup>1</sup> Seoul Medical Center, Seoul, Korea, Republic of	P-11-1297
P19.18	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Intranasal administration of melatonin-concentrating hormone modulates stress response by mTOR signaling pathway	JU-YOUNG OH <sup>1</sup> , QUAN FENG LIU <sup>2</sup> , JAE-HWAN JANG <sup>1</sup> , CAI HUA <sup>2</sup> , HA JIN JEONG <sup>3</sup> , SONGHEE JEON <sup>3</sup> , HI-JOON PARK <sup>1</sup>	<sup>1</sup> Department of Korean Medical Science, Graduate School of Korean Medicine, Kyung Hee University, Seoul, Korea, Republic of, <sup>2</sup> Department of Neuropsychiatry, Graduate School of Oriental Medicine, Dongguk University, Gyeongju, Korea, Republic of, <sup>3</sup> Department of Biomedical Sciences, Center for Creative Biomedical Scientists at Chonnam National University, Gwangju, Korea, Republic of	P-11-1294
P19.19	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	High dose of Japanese encephalitis virus infection induces the increase of proteolytic cleavage of Bax of human neuroblastoma SH-SY5Y cells	ARISARA SAMUTPONG <sup>1</sup> , PRAPIMPUN WONGCHITRAT <sup>1</sup> , HATAIRAT LEARDSAMIRAN <sup>1</sup> , KUNTIDA KITIDEE <sup>2</sup>	<sup>1</sup> Center for Research and Innovation, Faculty of Medical Technology, Mahidol University, Nakhon Pathom, Thailand	P-11-1284
P19.20	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Abnormal activation of NMDA receptors by Glutamate ammonium.	YEJI KIM <sup>1</sup> , DAESI KANG <sup>1</sup> , DONG HO WOO <sup>1</sup>	<sup>1</sup> Korea Institute of Toxicology, Daejeon, Korea, Republic of	P-11-1282
P19.21	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Functional expression of neuronal differentiation-specific surface antigen	JINA SOHN <sup>1</sup> , SANG CHUL KIM <sup>2</sup> , YUJEONG CHU <sup>3</sup> , SANG-MI KIM <sup>2</sup> , CHANG-HWAN PARK <sup>2</sup>	<sup>1</sup> Graduate School of Biomedical Science and Engineering, Hanyang University, Seoul, Korea, Republic of, <sup>2</sup> Department of Microbiology, College of Medicine, Hanyang University, Seoul, Korea, Republic of, <sup>3</sup> Hanyang Biomedical Research Institute, Seoul, Korea, Republic of	P-11-1277
P19.22	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Transthyretin oligomers as a biomarker for heart failure	SEONGSOO AN <sup>1</sup> , GIL YONG PARK <sup>1</sup> , ANGELO JAMERLAN <sup>1</sup> , KYUHWAN SHIM <sup>1</sup>	<sup>1</sup> Gachon university, Seongnam, Korea, Republic of	P-11-1268
P19.23	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Propionic acid inhibits neuronal maturation through dysregulating of autophagic flux	HYOSUN CHOI <sup>1</sup> , JI YOUNG MUN <sup>1</sup>	<sup>1</sup> KBRI, Daegu, Korea, Republic of	P-11-1263
P19.24	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Synaptic ERK2 phosphorylates and regulates metabotropic glutamate receptor 1 in vitro and in neurons	JU HWAN YANG <sup>1</sup> , JEUN KIM <sup>1</sup> , SUMIN SOHN <sup>1</sup> , SUNGHYUN KIM <sup>1</sup> , EUN SANG CHO <sup>1</sup>	<sup>1</sup> Department of Biological Sciences, Pusan National University, Busan, Korea, Republic of	P-11-1262
P19.25	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Tenonin-3/TMEM150c, a mechanotransduction channel for Atrial-pressure sensing baroreceptors	HANJUN LU <sup>1</sup> , HYESU KIM <sup>2</sup> , HYUNGSUP KIM <sup>2</sup> , SUNGMIN PAK <sup>2</sup> , THIEN-LUAN NGUYEN <sup>2</sup> , JUNGWON WEE <sup>2</sup> , GYU-SANG HONG <sup>2</sup> , JAE HYOUK CHO <sup>2</sup> , UHTAEK OH <sup>1</sup>	<sup>1</sup> Brain Science Institute, Korea Institute of Science and Technology (KIST), Seoul, Korea, Republic of, <sup>2</sup> Brain Science Institute, Korea Institute of Science and Technology (KIST), Seoul, Korea, Republic of	P-11-1260
P19.26	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Neural precursor cells/dopamine neuron direct conversion using hybrid nanofiber scaffolds	SEUNGHWAN KO <sup>1</sup> , MI-SUN LIM <sup>2</sup> , SANG-MI KIM <sup>2</sup> , KEESUNG KIM <sup>2</sup> , CHANG-HWAN PARK <sup>2</sup>	<sup>1</sup> Graduate School of Biomedical Science & Engineering, Hanyang University, Seoul, Korea, Republic of, <sup>2</sup> Department of Microbiology, College of Medicine, Hanyang University, Seoul, Korea, Republic of, <sup>3</sup> Research and Development Center, Jeil Pharmaceutical Company, Yongin, Korea, Republic of, <sup>4</sup> Hanyang Biomedical Research Institute, Seoul, Korea, Republic of, <sup>5</sup> Research Institute of Advanced Materials, Seoul National University, Seoul, Korea, Republic of	P-11-1257
P19.27	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Mannose-binding lectins of calf brain cell nuclear membrane	TAMAR MACHARADZE <sup>1</sup> , RUSUDAN AKHALKATSI <sup>1</sup>	<sup>1</sup> Jv.Javakhsivili Tbilisi State University, Tbilisi, Georgia	P-11-1250

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P19.28	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Post-translational lipid modifications of cyclin Y regulate activity-dependent trafficking of synaptic proteins	YURI CHOI <sup>1</sup> , JUNG-HWA HONG <sup>1</sup> , EUNSLI CHO <sup>2</sup> , SUYEON KIM <sup>1</sup> , SU IN LEE <sup>1</sup> , MIKYOUNG PARK <sup>2</sup>	<sup>1</sup> Center for Functional Connectomics, Brain Science Institute, Korea Institute of Science and Technology, Seoul, Korea, Republic of, <sup>2</sup> Center for Functional Connectomics, Brain Science Institute, Korea Institute of Science and Technology, Seoul, and Department of Neuroscience, Korea University of Science and Technology, Daejeon, Korea, Republic of	P-11-1246
P19.29	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Calcium alteration mediated by prion protein governs neuron cell damage through AMPK-autophagy flux in primary neuron cells	JH-HONG MOON <sup>1</sup> , SANG-YOUEL PARK <sup>1</sup>	<sup>1</sup> Biosafety Research Institute, Chonbuk National University, IKSAN, Korea, Republic of	P-11-1228
P19.30	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	An efficient feature based EEG signal analysis for automatic classification of normal sleep and sleep deprivation	MOHAMMADREZA SEDGHI <sup>1</sup> , MAHAD ESMAEILI <sup>1</sup> , ALI FAKHARI <sup>2</sup> , SAIED CHARSOUEI <sup>3</sup> , FATEMEH SHEKHANLU MILAN <sup>4</sup> , MAHDI DOLATYARI ESLAMI <sup>5</sup> , ALI AHMADALIPOUR <sup>6</sup>	<sup>1</sup> Department of Medical Bioengineering, Faculty of Advanced Medical Sciences, Tabriz University of Medical Sciences, Tabriz, Iran, <sup>2</sup> Department of Neurology, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran, <sup>3</sup> Department of food hygiene and quality control, Faculty of veterinary Medicine, University of Tabriz, Tabriz, Iran, <sup>4</sup> Research Center of Psychiatry and Behavioral Sciences, Tabriz University of Medical Sciences, Tabriz, Iran	P-11-1220
P19.31	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Herb X reverses multi-drug resistance by increasing drug permeability in blood-brain-barrier and intestinal barrier	YONG-HWI KANG <sup>1</sup> , NAMHUN LEE <sup>2</sup>	<sup>1</sup> Dunsan Korean Medicine Hospital of Daejeon University, Daejeon, Korea, Republic of, <sup>2</sup> Cheonan Korean Medicine Hospital of Daejeon University, Cheonan, Korea, Republic of	P-11-1197
P19.32	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Generation of gene expression profiles for AD model mice by GAN deep learning	JINHEE PARK <sup>1</sup> , MOOKYUNG CHEON <sup>1</sup>	<sup>1</sup> KBRI, Daegu, Korea, Republic of	P-11-1195
P19.33	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	The new designer phenethylamines, 2C-C and 2C-P produce rewarding effects via dopaminergic system activation	YOUNG-JUNG KIM <sup>1</sup> , SHI-XUN MA <sup>1</sup> , KWANG-HYUN HUR <sup>1</sup> , YOUYOUNG LEE <sup>1</sup> , SEOK-YONG LEE <sup>1</sup> , CHOON-GON JANG <sup>1</sup>	<sup>1</sup> Sungkyunkwan University, Suwon, Korea, Republic of	P-11-1183
P19.34	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	RC1002 is a novel therapeutic agent for pain treatment via inhibiting TRPV1 channel	HAWON JEON <sup>1,2</sup> , KIHWAN LEE <sup>1,2</sup> , CHUL-KYU PARK <sup>1,2</sup> , YONG HO KIM <sup>1,2</sup>	<sup>1</sup> Gachon Pain Center and Department of Physiology, College of Medicine, Gachon University, Incheon 21999, Korea, Republic of, <sup>2</sup> Department of Health Sciences and Technology, GAIHST, Gachon University, Incheon 21999, Republic of Korea	P-11-1181
P19.35	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Structural and functional study of orphan nuclear receptor Nor1 in control of food intake and energy homeostasis	JUN YEBO YOO <sup>1</sup> , CONG BAO KANG <sup>2</sup> , RISHIKESAN SANKARANARAYANAN <sup>1</sup> , SANGYONG JUNG <sup>3</sup> , HO SUP YOON <sup>4</sup>	<sup>1</sup> School of Biological Sciences, Nanyang Technological University, Singapore, Singapore, <sup>2</sup> Experimental Drug Development Centre (EDDC), Agency for Science Technology and Research (A*STAR), Singapore, Singapore, <sup>3</sup> Singapore Biomed Research Consortium (SBRC), Agency for Science Technology and Research (A*STAR), Singapore and Dept. of Physiology, Yong Loo Lin School of Medicine, National University of Singapore, Singapore, Singapore	P-11-1155
P19.36	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Input-specific alteration of LRRTM3-deficient hippocampus using volume electron microscopy	NA-YOUNG SEO <sup>1,2</sup> , GYU HYUN KIM <sup>1</sup> , SANG-HOON LEE <sup>3</sup> , JAEVON KO <sup>3</sup> , YANG HOON HUH <sup>4</sup> , KEA JOO LEE <sup>1,3</sup>	<sup>1</sup> Synaptic Circuit Plasticity Lab, Department of Structure & Function of Neural Network, Korea Brain Research Institute (KBRI), Daegu, Korea, Republic of, <sup>2</sup> Advanced Neural Imaging Center, Korea Brain Research Institute (KBRI), Daegu, Korea, Republic of, <sup>3</sup> Department of Brain and Cognitive Sciences, Daegu Gyeongsang Institute of Science and Technology (DGIST), Daegu, Korea, Republic of, <sup>4</sup> Electron Microscopy Research Center, Korea Basic Science Institute (KBSI), Cheongju, Korea, Republic of	P-11-1154
P19.37	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Impaired mitochondrial respiration by <i>Crit1</i> deletion in endothelial cells disrupts blood-brain barrier through the alteration of actin dynamics	MIN JOUNG LEE <sup>1</sup> , YUNSEON JANG <sup>1</sup> , JEONGSU HAN <sup>1</sup> , SOO JEONG KIM <sup>1</sup> , XIANSHU JU <sup>1</sup> , YU LIM LEE <sup>1</sup> , JIANCHEN CUI <sup>1</sup> , MIN JEONG RYU <sup>1</sup> , SONG-YI CHOI <sup>1</sup> , WOOSUK CHUNG <sup>1</sup> , GI RYANG KWEEON <sup>1</sup> , CHEAJEONG HEO <sup>1</sup> , JUN YOUNG HEO <sup>1</sup>	<sup>1</sup> Department of Medical Science, Chungnam National University School of Medicine, Daejeon, Korea, Republic of, <sup>2</sup> Research Institute for Medical Science, Chungnam National University School of Medicine, Daejeon, Korea, Republic of, <sup>3</sup> Department of Pathology, Chungnam National University School of Medicine, Daejeon, Korea, Republic of, <sup>4</sup> Department of anesthesiology and pain medicine, Chungnam National University Hospital, Daejeon, Korea, Republic of, <sup>5</sup> Center for Integrated Nanostructure Physics (CINAP), Center for Neuroscience Imaging Research (CNIR), Institute for Basic Science (IBS), Suwon, Korea, Republic of	P-11-1125
P19.38	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Role of the nucleotide-binding domain, leucine rich containing (NLR) proteins in glioblastoma angiogenesis.	SHIVANJALI SAXENA <sup>1</sup> , SUSHMITA JHA <sup>1</sup>	<sup>1</sup> Indian Institute of Technology Jodhpur, Jodhpur, India	P-11-1103
P19.39	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Serum CXCL13 reflects local B-cell mediated inflammatory demyelinating peripheral neuropathy	YOUNGHEE KIM <sup>1</sup> , SOO YOUNG JANG <sup>2</sup> , YOON KYUNG SHIN <sup>2</sup> , YOUNG RAE JO <sup>2</sup> , BYEOL-A YOON <sup>2</sup> , NAM JUN KIM <sup>2</sup> , SOO HYUN NAM <sup>2</sup> , BYUNG-OK CHO <sup>2</sup> , HA YOUNG SHIN <sup>2</sup> , SEUNG WOO KIM <sup>2</sup> , SE HOON KIM <sup>2</sup> , JONG KUK KIM <sup>2</sup> , PARK HWAN TAE <sup>2</sup>	<sup>1</sup> Dong-A University, Busan, Korea, Republic of, <sup>2</sup> Dong-A University, Busan, Korea, Republic of, <sup>3</sup> Sungkyunkwan University School of Medicine, Seoul, Korea, Republic of, <sup>4</sup> Yonsei University College of Medicine, Seoul, Korea, Republic of	P-11-1101
P19.40	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	The new designer drug 25E-NBOMe induces rewarding effects and decreases dopamine release in the nucleus accumbens	YOUNGJUNG LEE <sup>1</sup> , YOUNG-JUNG KIM <sup>1</sup> , SEOK-YONG LEE <sup>1</sup> , SHI-XUN MA <sup>1</sup> , YEONG-HOON KIM <sup>1</sup> , JUNG WON LEE <sup>1</sup> , SOOYEUN LEE <sup>1</sup> , YONG-SUP LEE <sup>1</sup> , CHOON-GON JANG <sup>1</sup>	<sup>1</sup> Sungkyunkwan University, Suwon, Korea, Republic of, <sup>2</sup> Yonsei University College of Medicine, Seoul, Korea, Republic of, <sup>3</sup> Kaemyung University, Daegu, Korea, Republic of, <sup>4</sup> Kyung Hee University, Seoul, Korea, Republic of	P-11-1099
P19.41	Grand Ballroom, 3F	Others	2019.09.23 12:40	2019.09.23 14:40	Morphological and physiological dynamics of Neuronal spines in presence of Semiconducting Single Walled Carbon Nanotube	ABHINAV KISHORE <sup>1</sup>	<sup>1</sup> Indian Institute of Science, Bengaluru, India	P-11-1882
P20.01	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	GDE-4 mediates pheromone avoidance behavior of <i>C. elegans</i>	YONGJIN CHEON <sup>1</sup> , YEONJI PARK <sup>1</sup> , KYUHYUNG KIM <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of	P-01-0984
P20.02	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Neural mechanisms underlying circadian control of social prioritization	JHOON KIM <sup>1</sup> , SOOMIN LEE <sup>2</sup> , BOIL KIM <sup>1</sup> , DAMHYEON KWAK <sup>1</sup> , KYUNGIN KIM <sup>1</sup> , HAN KYOUNG CHOE <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of, <sup>2</sup> DGIST, Dae, Korea, Republic of	P-01-0985
P20.03	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Oxytocin neuron-specific knockdown of Ir88, an essential gene for olfactory, impairs social recognition behavior	HYUNYOUNG KIM <sup>1</sup> , ELUJUNG KIM <sup>2</sup> , JIHOON KIM <sup>2</sup> , HYOELN LEE <sup>3</sup> , MIN-SEON KIM <sup>4</sup> , HYUNGU PARK <sup>2</sup> , KEETAE KIM <sup>5</sup> , HAN KYOUNG CHOE <sup>2</sup>	<sup>1</sup> Brain and Cognitive Sciences, Daegu Gyeonbuk Institute of Science and Technology (DGIST), Korea Brain Research Institute (KBRI), Daegu, Korea, Republic of, <sup>2</sup> Brain and Cognitive Sciences, Daegu Gyeonbuk Institute of Science and Technology (DGIST), Daegu, Korea, Republic of, <sup>3</sup> Korea Brain Research Institute (KBRI), Daegu, Korea, Republic of, <sup>4</sup> Asan Medical center, University of Ulsan College of Medicine, Seoul, Korea, Republic of, <sup>5</sup> Department of New Biology, Daegu Gyeonbuk Institute of Science and Technology (DGIST), Daegu, Korea, Republic of	P-01-0988
P20.04	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Identification of novel mammalian proprioceptive receptor using CRISPR/Cas9 genome editing	ELUJUNG KIM <sup>1</sup> , HAN KYOUNG CHOE <sup>1</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, Daegu Gyeonbuk Institute of Science and Technology (DGIST), Daegu, Korea, Republic of	P-01-0992
P20.05	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	CRISPR/Cas9-based Single adeno-associated virus system to target mammalian molecular clock machinery	BOIL KIM <sup>1</sup> , KYUJIN KU <sup>1</sup> , MUIJUNG CHOI <sup>1</sup> , INAH PARK <sup>1</sup> , MINJEONG CHUN <sup>1</sup> , JIHOON KIM <sup>1</sup> , KYUNGIN KIM <sup>1</sup> , HAN KYOUNG CHOE <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of	P-01-0993
P20.06	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Differential patterns of CSF amyloid-β and tau alteration in dementia in the Chinese population	LI HONGLEI <sup>1</sup> , YE LING-QI <sup>1</sup> , WU ZHI-YING <sup>1</sup>	<sup>1</sup> Department of Neurology and Research Center of Neurology, Second Affiliated Hospital, Zhejiang University School of Medicine, Hangzhou, China	P-01-0995
P20.07	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	The effects of lateral habenula lesions on foraging and avoidance behavior in rats living in a naturalistic, risky foraging environment.	BRYAN SCHUESSLER <sup>1</sup> , JEANSOK KIM <sup>2</sup>	<sup>1</sup> Department of Psychology, University of Washington, Seattle, USA, <sup>2</sup> Department of Psychology and Program in Neuroscience, University of Washington, Seattle, USA	P-01-0998
P20.08	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Environmental enrichment effects on neurodevelopment, behavior and HPA axis activity in male and female Wistar rats with early life adverse experiences.	KAREN CORREDOR <sup>1</sup> , LAURA HERRERA-ISAZA <sup>1</sup> , JUAN PABLO QUINTANILLA <sup>1</sup> , JOHANNA MARCELA DURAN <sup>1</sup> , GLADYS S MARTINEZ <sup>2</sup> , FERNANDO P CARDENAS <sup>2</sup>	<sup>1</sup> Universidad de los Andes, Bogotá, DC, Colombia, <sup>2</sup> Centro de Investigación en Biomodelos, Bogotá, DC, Colombia	P-01-1001
P20.09	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Reactivation maintains LTP at CS inputs to the lateral amygdala enabling selective fear memory persistence	JUNG-PYO OH <sup>1,2</sup> , JEONG-TAE KWON <sup>1,3</sup> , SANGRAK JIN <sup>1</sup> , MIRAN YO <sup>1</sup> , HYUNG-SU KIM <sup>1</sup> , YIRE JEONG <sup>1</sup> , HYE-YEON CHO <sup>1</sup> , MIN SOO KANG <sup>1</sup> , BYUNG-KWAN CHO <sup>1</sup> , JIN-HEE HAN <sup>1</sup>	<sup>1</sup> Department of Biological Sciences, KAIST Institute for the BioCentury (KIB), Korea Advanced Institute of Science and Technology (KAIST), Daejeon 34141, Korea, Republic of	P-01-1002
P20.10	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Hypothalamic Pathways Mediating Shock-based Passive Avoidance	JULIETTE WIELLARD <sup>1</sup> , CYRIL HERRY <sup>2</sup> , NEWTON CANTERAS <sup>3</sup>	<sup>1</sup> University of São Paulo, institute of biomedical science; University of Bordeaux, INSERM Magendie Institute, São Paulo, Brazil, <sup>2</sup> University of Bordeaux, INSERM Magendie Institute, Bordeaux, France, <sup>3</sup> University of São Paulo, institute of biomedical science, São Paulo, Brazil	P-01-1019
P20.11	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Effects of deletion of peroxiredoxins II on bilateral common carotid artery occlusion-induced impairments of hippocampal function	YOON-SUN JANG <sup>1</sup> , SANG-WOOK SHIN <sup>1</sup> , JUNG-SOO HAN <sup>1</sup>	<sup>1</sup> Konkuk Univ., Seoul, Korea, Republic of	P-01-1027
P20.12	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Low sensitivity of basolateral amygdala and ventral hippocampus are related to tame behavior in mice.	HISOMICHI NAGAYAMA <sup>1</sup> , YUJI IMAI <sup>2</sup> , YUKI MATSUMOTO <sup>3</sup> , TSUYOSHI KOIDE <sup>2</sup>	<sup>1</sup> SOKENDAI, Mishima, Japan, <sup>2</sup> National Institute of Genetics, Mishima, Japan, <sup>3</sup> Research and Development Section, Anicom Specialty Medical Institute Inc., Shinjuku, Japan	P-01-1034
P20.13	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Prenatal methamphetamine exposure and prenatal hypoxia influence short term memory	ANNA OCHOZKOVA <sup>1</sup> , ROMANA ŠLAMBEROVA <sup>1</sup> , LYDIA MIHALKOVA <sup>1</sup> , ANNA YAMAMOTOVA <sup>1</sup>	<sup>1</sup> Department of Physiology Third Faculty of Medicine, Charles University, Prague, Praha 2, Czech Republic	P-01-1037
P20.14	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	The chemosensory GPCR SRI-14 is required for concentration-dependent DMTS odor preference in <i>C. elegans</i>	WOCHAN CHOI <sup>1</sup> , SANGEUN RYU <sup>1</sup> , KYUHYUNG KIM <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of	P-01-1045
P20.15	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Differential encoding of events during approach-avoidance conflict situation by the prelimbic cortex	JI HOON JEONG <sup>1</sup> , SUNWHI KIM <sup>1</sup> , JAEYONG LEE <sup>1</sup> , JUNE-SEEK CHOI <sup>1</sup>	<sup>1</sup> Korea University, Seoul, Korea, Republic of	P-01-1049
P20.16	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Chronic pain impairs pair-bond maintenance in monogamous rodents, prairie voles.	YOJI OSAKI <sup>1</sup> , REIKO NOBUHARA <sup>2</sup> , TAKAHIRO OKUDA <sup>3</sup> , CHI HARU HIDAKA <sup>4</sup> , YOUNG-CHANG ARAI <sup>5</sup> , MAKOTO NISHIHARA <sup>6</sup> , LARRY YOUNG <sup>7</sup> , KAZUNARI YURI <sup>1</sup>	<sup>1</sup> Department of Neurobiology and Anatomy, Kochi Medical School, Kochi University, Kochi, Japan, <sup>2</sup> Multidisciplinary Pain Center, Aichi Medical University, Aichi, Japan, <sup>3</sup> Department of Physical Therapy, Toei Rehabilitation College, Kochi, Japan, <sup>4</sup> Center for Translational Social Neuroscience, Yerkes National Primate Center, Emory University School of Medicine, Atlanta, USA	P-01-1059
P20.17	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	"Retrosposonion bursts" in the adult brain: stress, running, and operant learning increase the number of L1 retrotransposon DNA copies in the mouse brain	KONSTANTIN ANOKHIN <sup>1</sup> , OLGA IVASHKINA <sup>2</sup>	<sup>1</sup> Lomonosov Moscow State University, Moscow, Russia, <sup>2</sup> NRC "Kurchatov Institute", Moscow, Russia	P-01-1064
P20.18	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Effects of lateral habenula (LHb) lesions on association of CS with non-reward in Pavlovian appetitive conditioning	IN-BEOM JIM <sup>1</sup> , DONG-HEE KIM <sup>1</sup> , YONG-JAE JEON <sup>1</sup> , JUNG-SOO HAN <sup>1</sup>	<sup>1</sup> Konkuk University, Seoul, Korea, Republic of	P-01-1082
P20.19	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Endocrine and behavioral consequences of chasing stress emulating predatory threat	JH-HEE LEE <sup>1</sup> , GYEONG HEE PYEON <sup>1</sup> , JUNE-SEEK CHOI <sup>1</sup>	<sup>1</sup> Korea University, Seoul, Korea, Republic of	P-01-1084
P20.20	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Brain connectivity between left hemisphere regions during driving performance	MH-YUN CHOI <sup>1</sup> , SOON-CHEOL CHUNG <sup>1</sup>	<sup>1</sup> Konkuk University, Chungju, Korea, Republic of	P-01-1085
P20.21	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Fear extinction requires ASIC1a-dependent regulation of hippocampal-prefrontal corelates	WEI-GUANG LI <sup>1</sup> , TIAN-LE XU <sup>1</sup>	<sup>1</sup> Shanghai Jiao Tong University School of Medicine, Shanghai, China	P-01-1090

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P20.22	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Investigating the link between bodily self-consciousness (BSC) and grid cells	HYUK-JUNE MOON <sup>1</sup> , BAPTISTE GAUTHIER <sup>2</sup> , HYEONG-DONG PARK <sup>3</sup> , NATHAN FAIVRE <sup>3</sup> , OLAF BLANKE <sup>2</sup>	<sup>1</sup> Laboratory of Cognitive Neuroscience (LNCO), Center of Neuroprosthetics (CNP) and Brain Mind Institute (BMI), Ecole Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland, <sup>2</sup> Laboratory of Cognitive Neuroscience (LNCO), Center of Neuroprosthetics (CNP) and Brain Mind Institute (BMI), Ecole Polytechnique Fédérale de Lausanne (EPFL), Lausanne, Switzerland, <sup>3</sup> CNRS, LPNC UMR 5105, Université Grenoble Alpes, Grenoble, France	P-01-1091
P20.23	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Unpleasant sound elicits negative emotion and reinstates drug seeking	YU FAN <sup>1</sup> , SUCHAN CHANG <sup>1</sup> , SOO-MIN LEE <sup>1</sup> , CHAE HA YANG <sup>1</sup> , HEE YOUNG KIM <sup>1</sup>	<sup>1</sup> Department of physiology, College of Korean Medicine, Daegu Haany University, Daegu, Korea, Republic of	P-01-1098
P20.25	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Neural circuitry underlying individual differences in context-dependent facial emotion reading	IL KIM <sup>1</sup> , WI HOON JUNG <sup>2</sup> , NURI KIM <sup>1</sup> , HACKJIN KIM <sup>1</sup>	<sup>1</sup> Korea University, Seoul, Korea, Republic of, <sup>2</sup> Daegu University, Gyeongsang, Korea, Republic of	P-01-1106
P20.26	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Striatal cholinergic interneurons control nicotine reward and somatic withdrawal	BAEK SUN KIM <sup>1</sup> , JUNSUNG WOO <sup>1</sup> , CHANGJUN LEE <sup>1</sup>	<sup>1</sup> Korea Institute of Science and Technology, Seoul, Korea, Republic of	P-01-1107
P20.27	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	The expression and behavioral analyses of mutants for the small G protein ARL8B in mouse	NAOKO UEDA <sup>1</sup> , AYAKO ISHII <sup>1</sup> , YUJI IMAI <sup>2</sup> , KAZUTO YOSHIMIZU <sup>1</sup> , TSUYOSHI KOIDE <sup>1</sup>	<sup>1</sup> SOKEIDAI/National Institute of Genetics, Mishima city, Shizuoka, Japan, <sup>2</sup> National Institute of Genetics, Mishima city, Shizuoka, Japan	P-01-1128
P20.28	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Affect of <i>Esr1</i> polymorphisms in maternal behavior in mouse	LALTHADEVI MALLARAPU <sup>1</sup> , AKIRA TANAVE <sup>2</sup> , YUJI IMAI <sup>2</sup> , TSUYOSHI KOIDE <sup>2</sup>	<sup>1</sup> SOKEIDAI UNIVERSITY/National Institute of Genetics, Mishima, Japan, <sup>2</sup> National Institute of Genetics, Mishima, Japan, <sup>3</sup> RIKEN, Osaka, Japan	P-01-1129
P20.29	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Diffusion model confirmed the critical role of interference control during novel metaphor comprehension	MINHO SHIN <sup>1</sup> , HEE-DONG YOON <sup>1</sup> , HYEON-AE JEON <sup>1</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, DGIST (Daegu Gyeongsang Institute of Science and Technology), Daegu, Korea, Republic of	P-01-1130
P20.30	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Sleep and parent-reported executive functioning in typically developing and drug-naïve ADHD children	MARINE ELIZOVSHVILI <sup>1</sup> , TAMAR BASISHVILI <sup>1</sup> , TINATIN TCHINTCHARALU <sup>1</sup> , NATA DARCHIA <sup>2</sup>	<sup>1</sup> Illia State University, Tbilisi, Georgia, <sup>2</sup> Illia State University, T. Oniani Laboratory of Sleep-Wakefulness Cycle Study, Tbilisi, Georgia	P-01-1137
P20.31	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Encoding of Contextual Fear Memory in the Hippocampal-Amygdala Engram Cell Pathway	JUN-HYEONG CHO <sup>1</sup> , WOONG BIN KIM <sup>1</sup>	<sup>1</sup> University of California Riverside, California, USA	P-01-1138
P20.32	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Enduring Effects of Excessive Sucrose Intake during Childhood on the Dopaminergic System in Mice	WON-HUI CHOE <sup>1</sup> , YOUNG-A LEE <sup>1</sup> , YUKIORI GOTO <sup>2</sup> , KYUNG-A LEE <sup>1</sup>	<sup>1</sup> Daegu Catholic University, Gyeongsang, Korea, Republic of, <sup>2</sup> Primate Research Institute, Kyoto University, Aichi, Japan	P-01-1139
P20.33	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Gait Ignition Failure in JNPL3 Human Tau-mutant Mice	HOCHUNG JANG <sup>1</sup> , NA-YOUNG SEO <sup>1</sup> , KEA JOO LEE <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute (KBRI), Daegu, Korea, Republic of	P-01-1147
P20.34	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Conceptual diversity of executive function in a performance-based test, self-reporting scale, and gamification method	HYUNJOO SONG <sup>1</sup> , EUNSOOL SOHN <sup>1</sup> , MYOUNGJI IM <sup>1</sup> , YEONSU KIM <sup>1</sup> , HANAH JEONG <sup>1</sup> , JINHYEONG CHOI <sup>1</sup>	<sup>1</sup> Korea Women's University, Seoul, Korea, Republic of	P-01-1149
P20.35	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	The Lateral Hypothalamic and BNST GABAergic Projections to the Anterior Ventrolateral Periaqueductal Grey Regulate Feeding	HAO WANG <sup>1</sup> , SIJIA HAO <sup>1</sup> , XIAOMENG WANG <sup>1</sup>	<sup>1</sup> Zhejiang University, Hangzhou, China	P-01-1161
P20.36	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Rapamycin attenuates the inhibition of autophagy activation, postsynaptic dysfunction and impaired spatial memory induced by long-term social isolation	SHAO LI <sup>1</sup> , BIN WANG <sup>2</sup>	<sup>1</sup> Department of Physiology, College of Basic Medical Sciences, Dalian Medical University, Dalian, China, <sup>2</sup> Department of Physiology, College of Basic Medical Sciences, Dalian Medical University, Dalian, China	P-01-1171
P20.37	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Identification of a cerebellar output processing negative emotion	KYOUNG-DOO HWANG <sup>1</sup> , HYUN-HEE RYU <sup>1</sup> , SANG JEONG KIM <sup>1</sup> , YONG-SEOK LEE <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-01-1182
P20.38	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Virus-mediated overexpression of radixin in the nucleus accumbens inhibits the development of amphetamine-induced conditioned locomotor activity	WEN TING CAI <sup>1</sup> , WHA YOUNG KIM <sup>1</sup> , MYUNGJI KWAK <sup>1</sup> , JEONG-HOON KIM <sup>1</sup>	<sup>1</sup> Yonsei University College of Medicine, Seoul, Korea, Republic of	P-01-1186
P20.39	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Fear signals from the amygdala influence spatial information processing in the hippocampus in risky foraging situations	MI-SEON KONG <sup>1</sup> , HANZHANG DING <sup>1</sup> , EUN JOO KIM <sup>1</sup> , SANG GEON PARK <sup>2</sup> , JEIWHON CHO <sup>1</sup> , JEANSOK KIM <sup>1</sup>	<sup>1</sup> University of Washington, Seattle, USA, <sup>2</sup> Korea University of Science & Technology, Daejeon, Korea, Republic of, <sup>3</sup> Catholic Kwandong University, Incheon, Korea, Republic of	P-01-1191
P20.40	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Modeling behavioral symptoms of neuropsychiatric disorders through administration of acute low-dose MK-801	DARINE FROY MABUNGA <sup>1</sup> , DONGHYUN PARK <sup>1</sup> , KEREMKLEROD JYM ADIL <sup>1</sup> , CHAN YOUNG SHIN <sup>1</sup>	<sup>1</sup> Konkuk University, Seoul, Korea, Republic of	P-01-1198
P20.41	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Tactile Modulation of Memory and Anxiety Requires Dentate Granule Cells along the Dorsomedial Axis	HUI LIU <sup>1</sup> , CHI WANG <sup>1</sup> , KUN LI <sup>1</sup> , XIAODONG WANG <sup>1</sup>	<sup>1</sup> Zhejiang University, Hangzhou City, China	P-01-1205
P20.42	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Visual responses of primate orbitofrontal neurons and their contribution to the preference judgment	SHINTARO FUNAHASHI <sup>1</sup>	<sup>1</sup> Beijing Institute of Technology, Beijing, China	P-01-1209
P20.43	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	The effects of chronic metformin treatment on cognitive functions in C57BL/6J	SO YEON CHO <sup>1</sup> , EOSU KIM <sup>1</sup>	<sup>1</sup> Yonsei University, Seoul, Korea, Republic of	P-01-1210
P20.44	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Odor Descriptor Survey of Mixtures of Odorants Detected by Narrowly Tuned Olfactory Receptors	KYU BO KIM <sup>1</sup> , DOKYEONG KIM <sup>1</sup> , SEUNGHEE LEE <sup>1</sup> , WONCHEOL KIM <sup>1</sup> , YOJUN ROH <sup>1</sup> , KWANGSU KIM <sup>1</sup> , JIYUN CHOE <sup>1</sup> , CHEIL MOON <sup>1</sup>	<sup>1</sup> DGIST, DAEGU, Korea, Republic of	P-01-1213
P20.45	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	The effect of ulinastatin after hypoxia in learning and memory of zebrafish	YEONHWA KIM <sup>1</sup> , TOO JAE MIN <sup>2</sup>	<sup>1</sup> Korea University, Ansan, Korea, Republic of, <sup>2</sup> Korea University College of Medicine, Ansan, Korea, Republic of	P-01-1214
P20.46	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Pain Perception and Visual Feedback in Virtual Reality	MINHEE SOO <sup>1</sup> , SANGBIN JEON <sup>2</sup> , BYUNGCHOL KIM <sup>2</sup> , JEKHWANG RYU <sup>1</sup> , KYOUNGMIN LEE <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Joongbu University, Seoul, Korea, Republic of	P-01-1216
P20.47	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Neuroscience-based technology development for early detection and diagnosis of posttraumatic syndrome	IN KYOON LYO <sup>1,2,3</sup> , SUJUNG YOON <sup>1,2</sup> , GAHAE HONG <sup>1</sup> , JIYOUNG MA <sup>1</sup> , ILHYANG KANG <sup>1</sup> , EUN NAMGUNG <sup>1</sup>	<sup>1</sup> Ewha Brain Institute, Ewha W. University, <sup>2</sup> Department of Brain and Cognitive Sciences, Ewha W. University, <sup>3</sup> Graduate School of Pharmaceutical Sciences, Ewha W. University	P-01-1217
P20.48	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Anterior Paraventricular Thalamus to Ventromedial Nucleus of the Hypothalamus Projection Modulates Compulsive Sucrose Seeking Induced by High-Fat Diet	ZHENXIN YUAN <sup>1</sup> , XIAOLIN MA <sup>1</sup> , YUDONG ZHOU <sup>1</sup>	<sup>1</sup> Zhejiang University, Hangzhou, China	P-01-1241
P20.49	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Neuroprotective effects of Garcinia kola on an experimental model of Alzheimer's disease	EDMOND NGWAFONG MOUFOU <sup>1</sup> , NENE AHIDJO <sup>2</sup> , ALFRED K. NJAMNSHI <sup>3</sup>	<sup>1</sup> University of Yaoundé 1, Yaoundé, Cameroon, <sup>2</sup> Neuroscience Laboratory, Faculty of Medicine and Biomedical Sciences, Yaoundé, Cameroon, <sup>3</sup> Neuroscience Laboratory, Faculty of Medicine and Biomedical Sciences, University of Yaoundé 1, Yaoundé, Cameroon, <sup>4</sup> Neuroscience Laboratory, Faculty of Medicine and Biomedical Sciences, University of Yaoundé 1, Yaoundé, Cameroon	P-01-1249
P20.50	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Hippocampal response to sleep-related pictures moderates the association between sleep disturbance and impulsivity	SEOG JU KIM <sup>1</sup> , HAYOUNG LEE <sup>2</sup> , KYUNG HWA LEE <sup>2</sup> , JEONG EUN JEON <sup>2</sup> , SEONG MIN OH <sup>3</sup> , SEHYUN JEON <sup>1</sup> , YU JIN LEE <sup>2</sup>	<sup>1</sup> Department of Psychiatry, Samsung Medical Center, Sungkyunkwan University, Seoul, Korea, Republic of, <sup>2</sup> Department of Psychiatry and Center for Sleep and Chronobiology, Seoul National University, College of Medicine and Hospital, Seoul, Korea, Republic of, <sup>3</sup> Dongguk University, College of Medicine, Seoul, Korea, Republic of	P-01-1252
P20.51	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Neuronal maturation in the hippocampal dentate gyrus via chronic oral administration of Artemisia annua extract is independent of cyclooxygenase 2 signaling pathway in diet-induced obesity mouse model	PAN SOO KIM <sup>1</sup> , DONG-HWA CHOI <sup>1</sup> , SANG-KYU PARK <sup>2</sup> , HYEOK JIN KWON <sup>1</sup> , SUN SHIN YI <sup>2</sup>	<sup>1</sup> Biocenter, Gyeonggi-do Business & Science Accelerator, Suwon, Korea, Republic of, <sup>2</sup> Department of Biomedical Laboratory Science College of Medical Sciences, Soonchunhyang University, Asan, Korea, Republic of, <sup>3</sup> Medical Biotechnology, College of Medical Sciences, Soonchunhyang University, Asan, Korea, Republic of	P-01-1265
P20.52	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Rodent side-bias models for learning tasks	YOUNGJO SONG <sup>1</sup> , JERALD KRALK <sup>1</sup> , SOL PARK <sup>2</sup> , IL-HWAN DAEJONG <sup>1</sup> , HEE-SUP SHIN <sup>1</sup> , JAESEUNG JEONG <sup>1</sup>	<sup>1</sup> Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea, Republic of, <sup>2</sup> Institute for Basic Science (IBS), Daejeon, Korea, Republic of	P-01-1278
P20.53	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Individual differences in adaptive threat learning are associated with differential c-Fos expression in medial prefrontal cortex	JINGCHU HU <sup>1</sup> , XIAOYI FENG <sup>1</sup> , LUYAO WU <sup>1</sup> , CHENG LONG <sup>1</sup>	<sup>1</sup> School of Life Sciences, South China Normal University, Guangzhou, China	P-01-1279
P20.54	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Short-term effect of propofol on mice sleep pattern	KYUNG JIN SEO <sup>1</sup> , EUN JI CHEONG <sup>1</sup>	<sup>1</sup> Yonsei Univ, Seoul, Korea, Republic of	P-01-1286
P20.55	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Glutamine supplementation ameliorates chronic stress-induced mild cognitive impairment of mice	JI HYEONG BAEK <sup>1</sup> , HYEONWI SON <sup>1</sup> , JAE SOON KANG <sup>1</sup> , HYUN JOON KIM <sup>1</sup>	<sup>1</sup> Department of Anatomy and Convergence Medicine, Bio Anti-Aging Medical Research Center, Institute of Health Sciences, School of Medicine, Gyeongsang National University, Jinju 52727, Gyeongsang, Korea, Republic of	P-01-1287
P20.56	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Mismatch responses for sound sequence in the songbird auditory forebrain	CHIHIRO MORI <sup>1</sup> , KAZUO OKANOYA <sup>1</sup>	<sup>1</sup> Dept Life Sci, Grad Sch Arts & Sci, Univ of Tokyo, Tokyo, Japan	P-01-1291
P20.57	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Effect of low dose radiation on Cognition, Cortisol, Serotonin and Antioxidant status	MAHESH BEKAL <sup>1</sup> , LUE SUN <sup>2</sup> , SUSUMU UENO <sup>3</sup> , TAKASHI MORITAKE <sup>4</sup>	<sup>1</sup> Department of Radiological Health Science, University of Occupational and Environmental Health, Kitakyushu, Japan, <sup>2</sup> Health Research Institute, National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Japan, <sup>3</sup> Department of Occupational Toxicology, University of Occupational and Environmental Health, Kitakyushu, Japan	P-01-1307
P20.58	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	A mouse behavioral paradigm for probing ensemble summary representation	YOUNG-BEOM LEE <sup>1</sup> , YEE-JOON KIM <sup>1</sup> , DOYUN LEE <sup>1</sup>	<sup>1</sup> Institute for Basic Science, Daejeon, Korea, Republic of	P-01-1310
P20.59	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Bilingual lexical processing and cross-linguistic interaction: a behavioral and fMRI Study	SOHYEON JEON <sup>1</sup> , KYOUNGMIN LEE <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-01-1315
P20.60	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Analysis of cell diversity in human and mouse basal ganglia by single-cell RNA sequencing	FENGJIAO LI <sup>1</sup> , MOHAMMAD IMAM HASAN BIN ASAD <sup>2</sup> , XIANGSHAN YUAN <sup>1</sup> , WEIWEI XIAN <sup>1</sup> , QIONG LIU <sup>1</sup> , WENSHENG LI <sup>1</sup> , GUOMIN ZHOU <sup>1</sup> , EDWIN WANG <sup>3</sup> , LINYA YOU <sup>1</sup>	<sup>1</sup> Department of Human Anatomy & Histoembryology, School of Basic Medical Sciences, Fudan University, Shanghai, China, <sup>2</sup> University of Calgary, Cumming School of Medicine, Calgary, Alberta, Canada, Alberta, Canada	P-01-1318
P20.61	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Endothelin-derived Semaphorin 3G regulates cognitive function	DANYANG CHEN <sup>1</sup> , NINGHE SUN <sup>2</sup> , CHAO TAN <sup>2</sup> , NANNAN LU <sup>1</sup> , FENG HAN <sup>1</sup>	<sup>1</sup> College of Pharmaceutical Sciences, Zhejiang University, Hangzhou, China, <sup>2</sup> College of Pharmaceutical Sciences, Zhejiang University, Hangzhou, China, China	P-01-1335
P20.62	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Age-related loss of pattern separation capabilities in female Sprague-Dawley rats	GUSTAVO MOREL <sup>1</sup> , MARTINA CANATELLI MALLAT <sup>1</sup> , PRISCILA CHIAVELLINI <sup>1</sup> , MARIANNE LEHMANN <sup>1</sup> , RODOLFO GOYA <sup>1</sup>	<sup>1</sup> Biochemistry Research Institute of La Plata *Professor Doctor Rodolfo R. Brenner* (INIBIOLP), La Plata, Argentina	P-01-1341
P20.63	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Role of environmental enrichment in locomotion, anxiety, memory and social interaction of Wistar rats under chronic treatment of methylphenidate	LAURA HERRERA-ISAZA <sup>1</sup> , KAREN CORREDOR <sup>2</sup> , FERNANDO CARDENAS <sup>2</sup> , SANTIAGO ZARATE <sup>2</sup> , ANGELA GOMEZ <sup>2</sup>	<sup>1</sup> Universidad de Los Andes, Bogota, Colombia, <sup>2</sup> Universidad de los Andes, Bogota, Colombia	P-01-1345
P20.64	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Dopamine-dependent modulation of memory formation in the hippocampus	JEONGRAK PARK <sup>1</sup> , YONG-SEOK OH <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of	P-01-1359
P20.65	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Investigating the effects of air pollutant nanoparticles on the onset or progression of Alzheimer's disease	CHARLOTTE FLEMING <sup>1</sup> , CINDY GUNAWAN <sup>2</sup> , MOJTABA GOLZAN <sup>3</sup> , FRASER TORPY <sup>4</sup> , PETER IRGA <sup>5</sup> , KRISTINE MCGRATH <sup>1</sup>	<sup>1</sup> School of Life Sciences, University of Technology Sydney, Sydney, Australia, <sup>2</sup> Centre for Infection, Immunity and Innovation, University of Technology Sydney, Sydney, Australia, <sup>3</sup> Neuroscience Graduate School, Graduate School of Health (Orthoptics Discipline), University of Technology Sydney, Sydney, Australia, <sup>4</sup> School of Life Sciences and Centre for Green Technology, School of Civil and Environmental Engineering, University of Technology Sydney, Sydney, Australia	P-01-1385
P20.66	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Effects of repeated trauma on functional brain network in mediating posttraumatic stress symptoms of firefighters	SUJUNG YOON <sup>1,2</sup> , JUNGYOUNG KIM <sup>1,2</sup> , GAHAE HONG <sup>1</sup> , SUJI LEE <sup>1,2</sup> , EUNJI HA <sup>1,2</sup> , HAEJIN HONG <sup>1,2</sup> , YOONJI JOO <sup>1,3</sup> , IN KYOON LYO <sup>1,2,3</sup>	<sup>1</sup> Ewha Brain Institute, Ewha W. University, <sup>2</sup> Department of Brain and Cognitive Sciences, Ewha W. University, <sup>3</sup> Graduate School of Pharmaceutical Sciences, Ewha W. University	P-01-1398
P20.67	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Mao-b-dependent gaba in the hippocampal reactive astrocytes induces cognitive impairment in animal model of rheumatoid arthritis	WOONJUN SOO <sup>1</sup> , SANG YOUNG JUNG <sup>2</sup> , C JUSTIN LEE <sup>1</sup>	<sup>1</sup> Institute for Basic Science (IBS) and KU-KIST, Daejeon and Seoul, Korea, Republic of, <sup>2</sup> CHA University, Seongnam, Gyeonggi-do, Korea, Republic of	P-01-1428
P20.68	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Socio-cognitive motives mediating human social knowledge sharing behavior, gossip	JEUNGMIN LEE <sup>1</sup> , JERALD KRALK <sup>1</sup> , JAESEUNG JEONG <sup>1</sup>	<sup>1</sup> Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea, Republic of	P-01-1442

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P20.69	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Quantitative EEG and subjective evaluations of daily news stories after an association task of smart-device pictures and emotion words	<b>HYE-JIN KIM<sup>1</sup></b> , TAEJUN LEE <sup>2</sup> , SUNG-PHIL KIM <sup>2</sup> , SANG HEE KIM <sup>1</sup>	<sup>1</sup> Korea University, Seoul, Korea, Republic of, <sup>2</sup> Ulsan National Institute of Science and Technology (UNIST), Ulsan, Korea, Republic of	P-01-1443
P20.70	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Differential relationship between prefrontal and visual representations in emotional and neutral encoding	<b>DOYOUNG PARK<sup>1</sup></b> , TAEHYUN KIM <sup>1</sup> , SUE-HYUN LEE <sup>1,2</sup>	<sup>1</sup> Department of Bio and Brain Engineering, College of Engineering, Korea Advanced Institute of Science and Technology, Daejeon, Korea, Republic of, <sup>2</sup> Program of Brain and Cognitive Engineering, College of Engineering, Korea Advanced Institute of Science and Technology, Daejeon, Korea, Republic of	P-01-1444
P20.71	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Functional connectivity between the DMPPFC and VLPFC predicts the resolution of emotional conflict arising from the preceding emotional event	<b>SHIN AH KIM<sup>1</sup></b> , SANG HEE KIM <sup>1</sup>	<sup>1</sup> Korea University, Seoul, Korea, Republic of	P-01-1447
P20.72	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Prefrontal cortex activity measured by fNIRS in componential episodic memory task	<b>JUNG HAN SHIN<sup>1</sup></b> , SANG AH LEE <sup>1</sup>	<sup>1</sup> Korea Advanced Institute of Science and Technology, Daejeon, Korea, Republic of	P-01-1451
P20.73	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Subjective memory complaints and mild cognitive decline in Peruvian population: A neuropsychological and neurophysiological approximation	<b>BRENDAN NADIA CHINO VILCA<sup>1</sup></b> , JONATHAN ZEGARRA-VALDIVIA <sup>2</sup> , LUDWING PAREDES <sup>3</sup> , ROSANGELA CAMILLA <sup>4</sup> , CARMEN PAREDES <sup>5</sup> , ROXANA CASTILLO <sup>6</sup> , FERNANDO MAEZTU <sup>7</sup>	<sup>1</sup> Universidad Nacional de San Agustín de Arequipa- Perú / Centro de Tecnología Biomédica (Madrid- España), Universidad Autónoma de Barcelona, Arequipa, Perú, <sup>2</sup> Universidad Nacional de San Agustín de Arequipa- Perú, Centro de Tecnología Biomédica (Madrid- España), Universidad Autónoma de Barcelona, Arequipa, Perú, <sup>3</sup> Universidad Nacional de San Agustín de Arequipa - Perú / Cajal Institute - Spain, Madrid, Spain, <sup>4</sup> Universidad Nacional de San Agustín de Arequipa - Arequipa, Perú, <sup>5</sup> Centro de Tecnología Biomédica (Madrid- España), Madrid, Spain	P-01-1452
P20.74	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Calorie intake and cognitive function in the elderly: data from the Korean Frailty and Aging Cohort Study (KFACS)	<b>JONG-MIN PARK<sup>1</sup></b> , JOOHEE LEE <sup>1</sup> , YOONJU KIM <sup>1</sup> , CHANG WON WON <sup>1</sup> , YOUN-JUNG KIM <sup>1</sup>	<sup>1</sup> College of Nursing Science, Kyung Hee University, Seoul, Korea, Republic of, <sup>2</sup> Elderly Frailty Research Center, Department of Family Medicine, College of Medicine, Kyung Hee University, Seoul, Korea, Republic of	P-01-1453
P20.75	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Effects of maternal obesity and hypoxic-ischemic brain injury on behavioural outcomes in offspring	<b>BHARTI BISWAS<sup>1</sup></b> , VALSAMMA EAPEN <sup>2</sup> , MARGARET MORRIS <sup>2</sup> , NICOLE JONES <sup>2</sup>	<sup>1</sup> M.Sc. Department of Pharmacology, School of Medical Sciences, UNSW Sydney, NSW, Australia, Australia, <sup>2</sup> PhD. Department of Pharmacology, School of Medical Sciences, UNSW Sydney, NSW, Australia, Australia, <sup>3</sup> PhD. School of Psychiatry, UNSW Sydney, NSW, Australia, Australia	P-01-1461
P20.76	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Representations of Associative Memory in the Hippocampus and the Association Cortex during Cued Recall	<b>JOONYOUNG KANG<sup>1,2</sup></b> , SUE-HYUN LEE <sup>1,2</sup>	<sup>1</sup> Department of Bio and Brain Engineering, College of Engineering, KAIST, Korea, Republic of, <sup>2</sup> Program of Brain and Cognitive Engineering, College of Engineering, KAIST, Korea, Republic of	P-01-1463
P20.77	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Differential change of light and deep NREM sleep by thalamic PLC β4	<b>JOOHYEON HONG<sup>1</sup></b> , GO EUN HA <sup>1</sup> , HANKYUL KWAK <sup>1</sup> , YELIN LEE <sup>1</sup> , HYEONYEONG JEONG <sup>2</sup> , PANN-GHILL SUH <sup>2</sup> , EUNJI CHEONG <sup>1</sup>	<sup>1</sup> Yonsei Univ, Seoul, Korea, Republic of, <sup>2</sup> Unist of Science and Technology, Ulsan, Korea, Republic of	P-01-1464
P20.78	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Measuring trust with information gathering behavior: speed of trust formation and its stability.	<b>JEONGEUN LEE<sup>1</sup></b> , KYOUNG-MIN LEE <sup>1</sup>	<sup>1</sup> Program in cognitive science, Seoul Nat'l University, Seoul, Korea, Republic of	P-01-1471
P20.79	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Dissociable neural signatures of prefrontal cortex for subjective and objective memory performance	<b>YUJIN RAH<sup>1</sup></b> , JUNG HAN SHIN <sup>1</sup> , SANG AH LEE <sup>1</sup>	<sup>1</sup> Korea Advanced Institute of Science and Technology, Daejeon, Korea, Republic of	P-01-1474
P20.80	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Quantitative analysis of maternal behavior in the long arm octopus, <i>Octopus minor</i>	<b>SEOMI JO<sup>1</sup></b> , KI HYUN KIM <sup>1</sup> , SEUNG-HYUN JUNG <sup>1</sup> , HA YELIN SONG <sup>1</sup> , CHUN CHEOL KIM <sup>1</sup> , KYEONG SIG LEE <sup>2</sup> , YUN SEOL KIM <sup>1</sup> , HYE SUCK AN <sup>3</sup>	<sup>1</sup> Department of Genetic Resources Research, National Marine Biodiversity Institute of Korea, Seochon, Korea, Republic of, <sup>2</sup> Resource Creation Research Institute, Jeollanam-do Institute of Ocean & Fisheries Technology, Sinan, Korea, Republic of, <sup>3</sup> National Marine Bio-Resources and Information Center, National Marine Biodiversity Institute of Korea, Seochon, Korea, Republic of	P-01-1475
P20.81	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Regulation of memory trace by a component of Radix Polygalae in fear conditioning model	<b>GAEL HAN<sup>1</sup></b> , HUNWOO PARK <sup>2</sup> , HUI JIN <sup>2</sup> , JEONGHUN LEE <sup>1</sup> , WOORI BAE <sup>1</sup> , JUNHYUK CHOI <sup>1</sup> , SEUNG-YUN CHA <sup>1</sup> , SUNGHO MAENG <sup>1</sup>	<sup>1</sup> Graduate School of East-West Medical Science, Kyung-Hee University, Yongin, Korea, Republic of, <sup>2</sup> Center for Nutraaceutical and Pharmaceutical Materials, Myongji University, Yongin, Korea, Republic of	P-01-1480
P20.82	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Hunger makes fish winner in the social conflict through modulation in the habenula-IPN pathway	<b>HARUNA NAKAJO<sup>1</sup></b> , MING-YI CHOU <sup>2</sup> , MASAE KINOSHITA <sup>1</sup> , LIOR APPELBAUM <sup>3</sup> , HITOSHI OKAMOTO <sup>1</sup>	<sup>1</sup> Lab. for Neural Circuit Dynamics for Decision Making, RIKEN Center for Brain Science, Tokyo, Japan, <sup>2</sup> Department of Life Science, National Taiwan University, Taipei, Taiwan, China, <sup>3</sup> Faculty of Life Sciences, Bar-Ilan University, Ramat-Gan, Israel	P-01-1623
P20.83	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	High ω3-polyunsaturated fatty acids in fat-1 mice prevent scopolamine-induced memory impairment through BDNF signaling	<b>DABI KIM<sup>1</sup></b> , EUNJI KIM <sup>1</sup> , TAE WOONG HWANG <sup>1</sup> , YU-ON JEONG <sup>1</sup> , JIN YOUNG JEONG <sup>2</sup> , DAE EUN CHO <sup>2</sup> , KYUNG AH YOON <sup>1</sup> , JWA-JIN KIM <sup>2</sup>	<sup>1</sup> Department of Medical Science, Chungnam national university, Daejeon 35015, Korea, Republic of, <sup>2</sup> Cancer Research Institute, Department of Nephrology, School of Medicine, Chungnam National University, Daejeon 35015, Korea, Republic of, <sup>3</sup> Cancer Research Institute, School of Medicine, Chungnam National University, Daejeon 35015, Korea, Republic of, <sup>4</sup> Department of Medical Science, Department of Nephrology, School of Medicine, Chungnam National University, Daejeon 35015, Korea, Republic of, <sup>5</sup> Department of Clinical Laboratory Science, Daejeon Health Sciences College, Daejeon 34504, Korea, Republic of	P-01-1481
P20.84	Grand Ballroom, 3F	Cognition and behavior	2019.09.24 12:40	2019.09.24 14:40	Neuromodulatory control of social behavior in amygdala	<b>JEONGTAE KWON<sup>1</sup></b> , ALEC SHERFFIELD <sup>1</sup> , JINGXUAN FAN <sup>1</sup> , DANIEL CHO <sup>1</sup> , SHIVANI BIGLER <sup>1</sup> , GLORIA CHOI <sup>1</sup>	<sup>1</sup> Picower Institute of Learning and Memory, MIT, Cambridge, MA, USA	P-01-1866
P21.01	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	Abnormal cerebellar development and gait in mice with a cerebellum-specific deletion of the α subunit of the heterotrimeric G <sub>o</sub> protein	<b>JUNG-MI CHOI<sup>1</sup></b> , HYE LIM CHA <sup>1</sup> , HUI-HYEN OH <sup>1</sup> , NARAYAN BASHYAL <sup>1</sup> , SUNG-SOO KIM <sup>1</sup> , LUTZ BIRNBAUMER <sup>2</sup> , HAEYOUNG SUH-KIM <sup>1</sup>	<sup>1</sup> Aju University School of Medicine, Suwon, Korea, Republic of, <sup>2</sup> School of Medical Sciences, Catholic University of Argentina, Buenos Aires, Argentina	P-02-0963
P21.02	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	ADHD-related Developmental Alterations in Functional Connectivity	<b>HYEJIN KANG<sup>1</sup></b> , JOHANNA INHYANG KIM <sup>1</sup> , YOUNGMIN HUH <sup>2</sup> , HYEKYOUNG LEE <sup>2</sup> , SEUNGGYUN HA <sup>4</sup> , JUNG LEE <sup>2</sup> , JAE-WON KIM <sup>1</sup> , DONG SOO LEE <sup>3</sup> , BUNG-NYUN KIM <sup>2</sup>	<sup>1</sup> BK21 Plus Global Translational Research on Molecular Medicine and Biopharmaceutical Sciences, Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Division of Child and Adolescent Psychiatry, Department of Psychiatry, Seoul National University College of Medicine, Seoul, Korea, Republic of, <sup>3</sup> Department of Neuropsychiatry, Hanyang University Hospital, Seoul, Korea, Republic of, <sup>4</sup> Department of Nuclear Medicine, Seoul National University College of Medicine, Seoul, Korea, Republic of, <sup>5</sup> Department of Molecular Medicine and Biopharmaceutical Sciences, Graduate School of Convergence Science and Technology, and College of Medicine or College of Pharmacy, Seoul National University, Seoul, Korea, Republic of	P-02-0965
P21.03	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	Particular patterns of stimulation induce BDNF promoter activity preferentially in developing cortical neurons.	<b>YUMI MIYASAKA<sup>1</sup></b> , NOBUHIKO YAMAMOTO <sup>1</sup>	<sup>1</sup> Graduate School of Frontier Biosciences, Osaka University, Suita city, Japan	P-02-0968
P21.04	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	Thyroid hormones and their derivatives promote dopamine neuron differentiation	<b>EUN-HYE LEE<sup>1</sup></b> , SANG-MI KIM <sup>1</sup> , CHANG-HWAN PARK <sup>1</sup>	<sup>1</sup> Hanyang University, Seoul, Korea, Republic of	P-02-0979
P21.05	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	Common regulatory targets of NFIA and NFIX mediate postnatal cerebellar development	<b>TRACEY HARVEY<sup>1</sup></b> , JAMES FRASER <sup>1</sup> , ALEXANDRA ESSEBIE <sup>1</sup> , ALEXANDER BROWN <sup>1</sup> , RAUL DAVILA <sup>1</sup> , MIKAEL BODEN <sup>1</sup> , RICHARD GRONOSTAJSKI <sup>1</sup> , MICHAEL PIPER <sup>1</sup>	<sup>1</sup> University of Queensland, Brisbane, Australia, <sup>2</sup> Stanford University, Stanford, USA, <sup>3</sup> State University of New York at Buffalo, Buffalo, USA	P-02-1065
P21.06	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	Selenium impact assessment on brains of prenatally lead exposed Wistar rats.	<b>BONIFACE ECHERU<sup>1</sup></b> , SUNDAY MUSA <sup>1</sup> , UDUAK UMANA <sup>1</sup> , WILSON HAMAN <sup>1</sup> , PAUL ABEL <sup>1</sup>	<sup>1</sup> Department of Human Anatomy, Faculty of Basic Medical Sciences, College of Medical Sciences, Ahmadu Bello University, Zaria, Zaria, Nigeria	P-02-1069
P21.07	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	Chloride channel-4 knockout mice show delayed neuronal differentiation and neurodevelopment.	<b>YENI KIM<sup>1</sup></b> , SONGHEE JEON <sup>1</sup> , JINJU HAN <sup>1</sup> , HAJIN JEONG <sup>1</sup> , BOM-LEE LEE <sup>1</sup> , SEONGMI LEE <sup>1</sup> , SOHEE JUNG <sup>2</sup>	<sup>1</sup> National Center for Mental Health, Seoul, Korea, Republic of, <sup>2</sup> Chonnam National University, Gwangju, Korea, Republic of, <sup>3</sup> Korea Advanced Institute of Science and Technology, Daejeon, Korea, Republic of	P-02-1110
P21.08	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	Neurotrophin-3 regulates dendritic development in cultured neuron by modulating Akt/mTOR signaling	<b>JIABIN FENG<sup>1</sup></b> , RUI ZHENG <sup>1</sup> , JUNYU XU <sup>1</sup>	<sup>1</sup> Zhejiang University, Hangzhou, China	P-02-1112
P21.09	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	Time-course changes in neuronal proliferation and incorporation in avian, amphibian and mammalian brains	<b>AMADI OGONDA IHUNWO<sup>1</sup></b> , PILANI NKOMOZEPE <sup>2</sup> , PEDZISAI MAZENZENYA <sup>1</sup>	<sup>1</sup> University of the Witwatersrand, Johannesburg, South Africa, <sup>2</sup> University of Johannesburg, Johannesburg, South Africa	P-02-1123
P21.10	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	Identification of the mechanisms for the development of oligodendrocytes in the zebrafish central nervous system	<b>HWAN-KI KIM<sup>1</sup></b> , SUHYUN KIM <sup>1</sup> , DONG-WON LEE <sup>1</sup> , YONGBO SEO <sup>1</sup> , EUNMI KIM <sup>1</sup> , INYOUNG JEONG <sup>1</sup> , HAE-CHUL PARK <sup>1</sup>	<sup>1</sup> Department of Biomedical Sciences, Korea University, Seoul, Republic of Korea, Ansan-si, Korea, Republic of	P-02-1133
P21.11	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	Roles of <i>Nk2.1/scro</i> homeobox gene in the development of optic lobe neuroblast in <i>Drosophila melanogaster</i>	<b>JISOO LEE<sup>1</sup></b> , SHIN-YOUNG PARK <sup>2</sup> , SIUK YOO <sup>1</sup>	<sup>1</sup> Yeungnam University, Gyeongsan-si, Gyeongsangbuk-do, Korea, Republic of, <sup>2</sup> Yeungnam University, Gyeongsan-si, Gyeongsangbuk-do, Korea, Republic of	P-02-1166
P21.12	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	Ectopic expression of HRAS gain-of-function mutation resulted in neurological abnormalities associated with nevus sebaceous syndrome in developing mouse brain	<b>KIHURON SO<sup>1</sup></b> , SEUNG TAE BAEK <sup>1</sup>	<sup>1</sup> Pohang University of Science and Technology, Pohang, Korea, Republic of	P-02-1173
P21.13	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	Developmental mechanisms of nevus sebaceous syndrome caused by dysregulation of RAS/MAPK pathway	<b>YE EUN KIM<sup>1</sup></b> , SEUNG TAE BAEK <sup>1</sup>	<sup>1</sup> Pohang University of Science and Technology, Pohang, Korea, Republic of	P-02-1175
P21.14	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	Analysis of the mechanisms underlying injury-induced corticofugal projections by CRISPR/Cas9-mediated gene knock-out	<b>LEECHUNG CHANG<sup>1</sup></b> , NOBUHIKO YAMAMOTO <sup>1</sup>	<sup>1</sup> Osaka Univ, Grad Sch, Frontier Biosci, Suita-shi, Osaka-fu, Japan	P-02-1177
P21.15	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	<i>Mss1</i> : a potential effector in <i>Sema3E/Plexin-D1</i> signaling involving synaptogenesis in the striatum	<b>NAMSUK KIM<sup>1</sup></b> , MI-HEE JUNG <sup>1</sup> , RI YU <sup>1</sup> , YAN LI <sup>1</sup> , JIN-YOUNG JEONG <sup>1</sup> , JUNG-WOONG KIM <sup>1</sup> , WON-JONG OH <sup>1</sup>	<sup>1</sup> Neurovascular Biology Lab, Korea Brain Research Institute (KBRI), DAEGU, Korea, Republic of, <sup>2</sup> Department of Life Science, College of Natural Sciences, Chung-Ang University, Seoul, Korea, Republic of	P-02-1211
P21.16	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	Development of Sensory Gating Mechanism in VPA-induced Rat Model of Autism Spectrum Disorder	<b>SUEDA TUNCAK<sup>1</sup></b> , BULENT GOREN <sup>1</sup> , PINAR OZ <sup>2</sup>	<sup>1</sup> Bursa Uludağ University, Bursa, Turkey, <sup>2</sup> Uskudar University, Istanbul, Turkey	P-02-1230
P21.17	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	Regulation of microtubule dynamics by Gscp14 coordinate neurodevelopmental processes	<b>DONGJIN MUN<sup>1</sup></b> , EUNBYUL CHO <sup>1</sup> , JINYEONG YOY <sup>1</sup> , YUBIN WON <sup>1</sup> , SANG KI PARK <sup>1</sup>	<sup>1</sup> POSTECH, POHANG, Korea, Republic of	P-02-1285
P21.18	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	ErbB3 binding protein 1 (EBP1) is an essential regulator for embryonic development, controlling SUV39H1/DNMT1 gene-silencing unit	<b>HYO RIM KO<sup>1,2</sup></b> , INWOO HWANG <sup>1,2</sup> , EUN-JU JIN <sup>1,2</sup> , TAEGWAN YUN <sup>1,2</sup> , DONGRYEOL RYU <sup>1</sup> , JONG-SUN KANG <sup>1,2,3</sup> , JOO-HO SHIN <sup>1,2,3</sup> , AND JEE-YIN AHN <sup>1,2,3</sup>	<sup>1</sup> Department of Molecular Cell Biology, <sup>2</sup> Single Cell Network Research Center, Sungkyunkwan University School of Medicine, Suwon 16419, Korea, <sup>3</sup> Samsung Biomedical Research Institute, Samsung Medical Center, Seoul 06351, Korea	P-02-1296
P21.19	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	The identification of ubiquitin proteasome system in the developmental disease as Fragile X syndrome	<b>KEY-HWAN LIM<sup>1</sup></b> , BYUNG GEUN HA <sup>1</sup> , JUNG YOON HEO <sup>1</sup> , YU-JIN JANG <sup>1</sup> , TAE-SHIN PARK <sup>1</sup> , SUNG-JIN JEONG <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of	P-02-1299
P21.20	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	Extracellular Roles of the Clotopathy Protein JBTS17 in Mitosis and Neurogenesis	<b>HYOWON HONG<sup>1</sup></b> , KWANGSIC JOO <sup>2</sup> , SANG MIN PARK <sup>1</sup> , JIMYOUNG SEO <sup>2</sup> , MIN HWAN KIM <sup>1</sup> , EUNBIE SHIN <sup>1</sup> , HAE IL CHEONG <sup>1</sup> , JEONG HO LEE <sup>1</sup> , JOON KIM <sup>1</sup>	<sup>1</sup> Biomedical Science and Engineering Interdisciplinary Program, KAIST, Daejeon, Korea, Republic of, <sup>2</sup> Graduate School of Medical Science and Engineering, KAIST, Daejeon, Korea, Republic of, <sup>3</sup> Department of Ophthalmology, Seoul National University College of Medicine, Seoul National University Bundang Hospital, Seongnam, Korea, Republic of, <sup>4</sup> Research Coordination Center for Rare Disease, Seoul National University Hospital, Seoul, Korea, Republic of	P-02-1350

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P21.21	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	Differential expression profiling of exosomal mitochondria components in the development of depression	<b>BYUNG GEUN HA<sup>1</sup></b> , JUNG YOON HEO <sup>1</sup> , YU-JIN JANG <sup>1</sup> , TAE-SHIN PARK <sup>1</sup> , KEY-HWAN LIM <sup>1</sup> , SUNG-JIN JOE <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of	P-02-1360
P21.22	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	JAK3 modulates the migration of GABAergic interneurons during development of murine cortex.	<b>A YOUNG KIM<sup>1</sup></b> , JEE MIN CHUNG <sup>1</sup> , EUN JOO BAIK <sup>1</sup>	<sup>1</sup> Department of Physiology, Ajou University school of medicine, Suwon, Korea, Republic of	P-02-1389
P21.23	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	FAM19A5 is a rostral-caudal organizer in the mouse cortex development	<b>DASOM KIM<sup>1</sup></b> , SEUNG HEE CHOI <sup>1</sup> , JAEMYUNG JANG <sup>1</sup> , YOUNGSHIK CHOE <sup>1</sup>	<sup>1</sup> KBRI (Korea Brain Research Institute), Daegu, Korea, Republic of	P-02-1423
P21.24	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	Effects of Rotenone, a Mitochondrial Inhibitor, on Cultured Neural Stem Cells of Mouse Subventricular Zone.	<b>KI YOUB PARK<sup>1</sup></b> , MAN SU KIM <sup>2</sup>	<sup>1</sup> Korea Science Academy of KAIST, Busan, Korea, Republic of, <sup>2</sup> Inje University, Kim Hae, Korea, Republic of	P-02-1424
P21.25	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	Initiation of Primary Neurogenesis in Xenopus: Inhibition of BMP Signaling And/ Or Inductive Signaling	<b>ZOBIA UMAIR<sup>1</sup></b> , SEUNG HWAN LEE <sup>1</sup> , JAEBOENG KIM <sup>2</sup>	<sup>1</sup> zobia.umair@hallym.ac.kr, Chuncheon, Korea, Republic of, <sup>2</sup> Professor, Chucheon, Czech Republic, <sup>3</sup> hallym University, Chuncheon, Czech Republic	P-02-1438
P21.26	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	Interaction of Ankyrin and Tara regulates dendritic spine dynamics	<b>SOO JEONG KIM<sup>1</sup></b> , YOUNGSIK WOO <sup>1</sup> , SU-JIN NOH <sup>1</sup> , YUBIN WON <sup>1</sup> , EUN BYUL CHO <sup>1</sup> , SANG KI PARK <sup>1</sup>	<sup>1</sup> Pohang University of science and technology, Pohang, Korea, Republic of	P-02-1449
P21.27	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	Requirement of inputs from sequentially developed parallel fibers for cerebellar organization	<b>HEEYOUNG PARK<sup>1</sup></b> , TAECON KIM <sup>2</sup> , YUKIO YAMAMOTO <sup>2</sup> , KEIKO TANAKA-YAMAMOTO <sup>1</sup>	<sup>1</sup> KIST (Korea Institute of Science and Technology), UST (Korea University of Science and Technology), Seoul, Korea, Republic of, <sup>2</sup> KIST (Korea Institute of Science and Technology), Seoul, Korea, Republic of	P-02-1450
P21.28	Grand Ballroom, 3F	Development	2019.09.24 12:40	2019.09.24 14:40	The role of spatial boundaries in episodic memory in young children	<b>JIYUN KIM<sup>1</sup></b> , YUJIN RAH <sup>2</sup> , SANG AH LEE <sup>2</sup>	<sup>1</sup> Korea University, Seoul, Korea, Republic of, <sup>2</sup> Korea Advanced Institute of Science and Technology, Daejeon, Korea, Republic of	P-02-1486
P22.01	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Resting-state functional connectivity of the raphe nucleus as a predictor of the response to selective serotonin reuptake inhibitors in patients with obsessive-compulsive disorder	<b>MINAH KIM<sup>1</sup></b> , SOEYON KWAK <sup>3</sup> , YOUNGWOON YOON <sup>4</sup> , YOO BIN KWAK <sup>3</sup> , TAEKWAN KIM <sup>3</sup> , TAE YOUNG LEE <sup>2</sup> , JUN SOO KWON <sup>2</sup>	<sup>1</sup> Seoul National University Hospital, Seoul, Korea, Republic of, <sup>2</sup> Department of Neuropsychiatry, Seoul National University Hospital, Seoul, Korea, Republic of, <sup>3</sup> Department of Brain and Cognitive Sciences, Seoul National University College of Natural Sciences, Seoul, Korea, Republic of, <sup>4</sup> Department of Psychiatry, Washington University in St. Louis, St. Louis, USA	P-03-1080
P22.02	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Postsynaptic density protein DLG2 has a novel role in cortical neuronal development relevant to schizophrenia aetiology	<b>BRET SANDERS<sup>1</sup></b> , TOM STEWARD <sup>2</sup> , DANIEL WHITCOMB <sup>2</sup> , ANDREW POCKLINGTON <sup>2</sup> , <b>EUNJU JENNY SHIN<sup>1</sup></b>	<sup>1</sup> Cardiff University, Cardiff, UK, <sup>2</sup> The University of Bristol, Bristol, UK	P-03-1077
P22.03	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Induction of GDNF and GFR $\alpha$ -1 following to AAV1-Rheb(S16H) administration in the hippocampus in vivo	<b>MIN-TAE JEON<sup>1</sup></b> , SANG RYONG KIM <sup>1</sup>	<sup>1</sup> Kyungpook National University, Daegu, Korea, Republic of	P-03-1074
P22.04	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	"D-cell hypothesis of schizophrenia" indicates mechanisms of progressive pathology of schizophrenia	<b>KEIKO IKEMOTO<sup>1</sup></b>	<sup>1</sup> Iwaki City Medical Center, Iwaki City, Japan	P-03-1073
P22.05	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Role of nucleus accumbens core in alleviation of neuropathic pain induced by chronic compression of DRG	<b>ELINA KC<sup>1</sup></b> , HYEONG CHEOL MOON <sup>1</sup> , SANG HWAN HYUN <sup>1</sup> , YOUNG SEOK PARK <sup>2</sup>	<sup>1</sup> Department of Neuroscience, Chungbuk National University, Cheongju, Korea, Republic of, <sup>2</sup> Department of Neurosurgery, Chungbuk National University Hospital, Cheongju, Korea, Republic of, <sup>3</sup> Department of Veterinary Medicine, Chungbuk National University, Cheongju, Korea, Republic of	P-03-1058
P22.06	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Optogenetic stimulation in motor cortex and PKC $\gamma$ knockdown at dorsal root ganglia alters hyperalgesia behaviors in chronic compressed DRG pain rat model	<b>JAISAN ISLAM<sup>1</sup></b> , ELINA KC <sup>1</sup> , HYEONG CHEOL MOON <sup>1</sup> , KYOUNG HA SO <sup>1</sup> , SANG HWAN HYUN <sup>1</sup> , YOUNG SEOK PARK <sup>2</sup>	<sup>1</sup> Department of Neuroscience, Chungbuk National University, Cheongju, Korea, Republic of, <sup>2</sup> Department of Neurosurgery, Chungbuk National University Hospital, Cheongju, Korea, Republic of, <sup>3</sup> Department of Veterinary Medicine, Chungbuk National University, Cheongju, Korea, Republic of	P-03-1057
P22.07	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Roles of pericytes in the development of schizophrenia	<b>SEUNGUN YEO<sup>1</sup></b> , JONGHYUK YOON <sup>1</sup> , HYUN JIN JUNG <sup>1</sup> , YURA CHOI <sup>1</sup> , DASOM KIM <sup>1</sup> , SEUNG HEE CHOI <sup>1</sup> , SU-JIN NOH <sup>1</sup> , YOUNGSIK WOO <sup>1</sup> , SANG KI PARK <sup>2</sup> , YOUNGSHIK CHOE <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of, <sup>2</sup> Pohang University of Science and Technology, Pohang, Korea, Republic of	P-03-1048
P22.08	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Drf1 dentate gyrus neurons are central for learning deficits of Alzheimer's disease mice	<b>YURA CHOI<sup>1</sup></b> , SEUNG HEE CHOI <sup>1</sup> , DASOM KIM <sup>1</sup> , MI SUK LEE <sup>1</sup> , YOUNGSHIK CHOE <sup>1</sup>	<sup>1</sup> KBRI (Korea Brain Research Institute), Daegu, Korea, Republic of	P-03-1047
P22.09	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Amyloid clearance by oligodendrocyte-mediated microglial activation	<b>SOONBONG BAEK<sup>1</sup></b> , SEUNGUN YEO <sup>1</sup> , YOUNGSHIK CHOE <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of	P-03-1046
P22.10	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Cell type-specific deletion of Shank3 exons 14-16 in mice differentially affects synaptic and behavioral phenotypes	<b>TAESUN YOO<sup>1</sup></b> , HEEJIN CHOI <sup>1</sup> , JISEOK LEE <sup>2</sup> , HARAM PARK <sup>1</sup> , YE-EUN YOO <sup>1</sup> , ESTHER YANG <sup>1</sup> , JIN YANG KIM <sup>1</sup> , HYUN KIM <sup>1</sup> , EUNJOON KIM <sup>2</sup>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of, <sup>2</sup> IBS, Daejeon, Korea, Republic of, <sup>3</sup> Korea University, Seoul, Korea, Republic of	P-03-1044
P22.11	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	The effect of continuous high intensity white noise on cognitive functions, emotional sphere and the structure/ultrastructure of auditory and emotion-related brain regions in female rats	<b>MZIA ZHIVANIA<sup>1</sup></b> , NINA GOGOKHIA <sup>1</sup> , NADEZHDA JAPARIDZE <sup>1</sup> , NINO POCHKIDZE <sup>1</sup>	<sup>1</sup> Ilia State University, Tbilisi, Georgia, <sup>2</sup> Britishwill Center of Experimental Biomedicine and New Vision University, Tbilisi, Georgia	P-03-1033
P22.12	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Assessment of the effect of trichostin on neuronal cells cause neurological disorders.	<b>PARUL KATIYAR<sup>1</sup></b> , SOMESH BANERJEE <sup>2</sup> , PARTHA ROY <sup>2</sup>	<sup>1</sup> ITT Roorkee, ROORKEE, India, <sup>2</sup> ITT ROORKEE, Haridwar, India, <sup>3</sup> ITT ROORKEE, ROORKEE, India	P-03-1026
P22.13	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Sociability and cognitive behaviors improved in SOB administrated model rats induced by ibotenic acid.	<b>HYEMI LEE<sup>1</sup></b> , EUNJUN SEO <sup>1</sup> , YUNHEE KIM KWON <sup>1</sup>	<sup>1</sup> Kyunghee University, Seoul, Korea, Republic of	P-03-1025
P22.14	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Anxiolytic effect of exercise against repeated restraint stress through 5-HT <sub>2A</sub> -mediated suppression of the adenosine A <sub>2A</sub> receptor in the basolateral amygdala	<b>YEA-HYUN LEE<sup>1</sup></b> , HEE-SUN KIM <sup>1</sup>	<sup>1</sup> Department of Molecular Medicine and Tissue Injury Defense Research Center, School of Medicine, Ewha Womans University, Seoul, Korea, Republic of	P-03-1024
P22.15	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Anti-inflammatory and neuroprotective effects of PDE-10 inhibitor in neuroinflammation and Parkinson's disease animal models	<b>JUNG-EUN PARK<sup>1</sup></b> , DO-YEON KIM <sup>1</sup> , HEE-SUN KIM <sup>1</sup>	<sup>1</sup> Department of Molecular Medicine and Tissue Injury Defense Research Center, School of Medicine, Ewha Womans University, Seoul, Korea, Republic of	P-03-1006
P22.16	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Lipid profiling of parkin-mutant human skin fibroblasts	<b>ANGELA CORCELLI<sup>1</sup></b> , SIMONA LOBASSO <sup>1</sup> , PAOLA TANZARELLA <sup>1</sup> , DANIELE VERGARA <sup>2</sup> , MICHELE MAFFIA <sup>2</sup> , TIZIANA OCCO <sup>3</sup>	<sup>1</sup> University of Bari A Moro, Bari, Italy, <sup>2</sup> University of Salento, Lecce, Italy	P-03-0997
P22.17	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Autophagy regulates elongation of primary cilia in RK1- treated neuroblastoma cell	<b>SUNGKUN CHUN<sup>1</sup></b> , JUNG-MI OH <sup>1</sup>	<sup>1</sup> Department of Physiology, Chonbuk National University Medical School, Jeonju, Korea, Republic of	P-03-0991
P22.18	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	A novel de novo ATP1A3 mutation in motor neuron disease mimicking rapid onset dystonia parkinsonism	<b>SU MIN LIM<sup>1</sup></b> , YOUNG-EUN KIM <sup>1</sup> , JINSEOK PARK <sup>1</sup> , MINYEOP NAHM <sup>1</sup> , HAE-CHUL PARK <sup>2</sup> , CHANG-SEOK KI <sup>1</sup> , KI WOOK OH <sup>1</sup> , SEUNG HYUN KIM <sup>1</sup>	<sup>1</sup> Hanyang University, Seoul, Korea, Republic of, <sup>2</sup> Hanyang University, Kyunggi, Korea, Republic of, <sup>3</sup> green cross genome, kyunggi, Korea, Republic of, <sup>4</sup> hanyang university, Seoul, Korea, Republic of	P-03-0980
P22.19	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Saffron inhibits astroglial and glial scar after chronic cerebral ischemia/reperfusion injury in rats	<b>QI ZHANG<sup>1</sup></b> , YILU YE <sup>1</sup> , XINYING ZHU <sup>1</sup> , YITING QIU <sup>1</sup> , YUEPING YU <sup>1</sup>	<sup>1</sup> Hangzhou Medical College, Hangzhou, China	P-03-0969
P22.20	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Evaluation of the DNA methylation of brain-derived neurotrophic factor (bdnf) gene promoter 1 as a biomarker in psychiatric disorders	<b>JUDY SING<sup>1</sup></b> , TZENG SUAN LEE <sup>1</sup> , SHUJUAN PUANG <sup>2</sup> , SOK HONG KHO <sup>3</sup> , QIAN HUI CHEW <sup>1</sup> , JIE YIN YEE <sup>2</sup> , KANG SIM <sup>2</sup>	<sup>1</sup> National University of Singapore, Singapore, Singapore, <sup>2</sup> Nanyang Technological University, Singapore, Singapore, <sup>3</sup> Institute of Mental Health, Singapore, Singapore	P-03-0961
P22.21	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Correlation between in vivo GABA-A/benzodiazepine receptor availability and genetic liability in unaffected relatives of schizophrenia: A [ <sup>11</sup> C]flumazenil PET study	<b>JUNHEE LEE<sup>1</sup></b> , BRYAN YOUNGWOON YOON <sup>2</sup> , KANG IK KEVIN CHOI <sup>3</sup> , SEONGHO SEO <sup>2</sup> , JAE SUNG LEE <sup>3</sup> , JAE MIN JEONG <sup>4</sup> , MINAH KIM <sup>5</sup> , TAE YOUNG LEE <sup>2</sup> , JUN SOO KWON <sup>2</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Department of psychiatry, Seoul National University College of Medicine, Seoul, Korea, Republic of, <sup>3</sup> Department of psychiatry, Washington University in St. Louis, MO, USA, <sup>4</sup> Institute of human behavioural medicine, SNU-MRC, Seoul, Korea, Republic of, <sup>5</sup> Department of neuroscience, Gachon University College of Medicine, Incheon, Korea, Republic of, <sup>6</sup> Department of nuclear medicine, Seoul National University College of Medicine, Seoul, Korea, Republic of	P-03-0953
P22.22	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	PICALM- and mTORC1-mediated early endosomal disturbance upregulates A $\beta$ generation under high glucose conditions	<b>CHANG WOO CHAE<sup>1</sup></b> , HYUN JIK LEE <sup>2</sup> , GEE EUHN CHOI <sup>2</sup> , YOUNG HYUN JUNG <sup>2</sup> , JUN SUNG KIM <sup>2</sup> , JAE RYONG LIM <sup>2</sup> , SEO YIHL KIM <sup>2</sup> , IN KOO HWANG <sup>2</sup> , JE KYUNG SEONG <sup>2</sup> , HO JAE HAN <sup>2</sup>	<sup>1</sup> Seoul national university, Seoul, Korea, Republic of, <sup>2</sup> Seoul national university, Seoul, Korea, Republic of	P-03-0951
P22.23	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Effect of Glucocorticoid on Mitophagy Inhibition in Hippocampal Neurons and Subsequent Progression of Dementia in Stress-Induced Mouse via Repressing PGC1 $\alpha$ -NIX Axis	<b>GEEEUHN CHOI<sup>1</sup></b> , HO JAE HAN <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-03-0950
P22.24	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	ANKK1 Mutations in ALS Cause Dysregulation of Calcium Homeostasis and Stress Granule Dynamics	<b>MINYEOP NAHM<sup>1</sup></b> , SU MIN LIM <sup>1</sup> , MIN-YOUNG NOH <sup>2</sup> , KI-WOOK CHOI <sup>2</sup> , CHANG-SEOK KI <sup>1</sup> , SEUNG HYUN KIM <sup>2</sup>	<sup>1</sup> Hanyang University, Seoul, Korea, Republic of, <sup>2</sup> Department of Neurology, College of Medicine, Hanyang University, Seoul, Korea, Republic of, <sup>3</sup> Biomedical Research Institute, Hanyang University, Seoul, Korea, Republic of, <sup>4</sup> Green Cross Genome Corporation, Yongin, Korea, Republic of	P-03-0947
P22.25	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Therapeutic effects of gene modified mesenchymal stem cells in chronic stroke	<b>SUBASH MARASINI<sup>1</sup></b> , SEUNG-WAN YOO <sup>1</sup> , DA YOUNG CHANG <sup>1</sup> , SUNG-SOO KIM <sup>1</sup> , HAYOUNG SUH-KIM <sup>1</sup>	<sup>1</sup> Department of Anatomy, Ajou University, Suwon, Korea, Republic of	P-03-0944
P22.26	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Acupuncture alleviates chronic stress induced depressive-like symptoms through central neural mechanism	<b>MIN-JU LEE<sup>1</sup></b> , SEUL-KI WON <sup>1</sup> , UK-NAMGUNG <sup>1</sup> , JEEYOUN JUNG <sup>2</sup> , SO-MIN LEE <sup>2</sup> , JI-HYE SONG <sup>2</sup> , GEUN-HYANG EOM <sup>1</sup> , JI-YEUN PARK <sup>1</sup>	<sup>1</sup> Daejeon University, Daejeon, Korea, Republic of, <sup>2</sup> Korea Institute of Oriental Medicine (KIOM), Daejeon, Korea, Republic of	P-03-0939
P22.27	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Pharmacological inhibition of circadian nuclear receptor REV-ERBs recovers mood disorders in Parkinson's disease of mouse model	<b>JEONGAH KIM<sup>1</sup></b> , MIJUNG CHOI <sup>2</sup> , SANGWON JANG <sup>2</sup> , DOYEON KIM <sup>2</sup> , INAH PARK <sup>2</sup> , WOONG SUN <sup>2</sup> , GI HOON SON <sup>2</sup> , HAN KYOUNG CHOE <sup>2</sup> , KYUNGIN KIM <sup>1</sup>	<sup>1</sup> Daegu Gyongsbuk Institute of Science and Technology, Daegu, Korea, Republic of, <sup>2</sup> Daegu Gyongsbuk Institute of Science and Technology, Daegu, Korea, Republic of, <sup>3</sup> Korea university, Seoul, Korea, Republic of	P-03-0936
P22.28	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Decrease CD4 <sup>+</sup> T cells O-GlcNAcylation level improves experimental autoimmune encephalomyelitis	<b>RANRAN HAN<sup>1</sup></b> , XIAOFENG MA <sup>2</sup> , JUNWEI HAO <sup>1</sup>	<sup>1</sup> Tianjin Medical University General Hospital, Tianjin, China, <sup>2</sup> Tianjin Medical University General Hospital, Tianjin, China	P-03-0931
P22.29	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Formation of vesicular amyloid plaques by loss-of-function of primary cilia and IR88 function	<b>HYUN JIN JUNG<sup>1</sup></b> , JAEMYUNG JANG <sup>1</sup> , SEUNGEUN YEO <sup>1</sup> , SEUNG HEE CHOI <sup>1</sup> , YURA CHOI <sup>1</sup> , DASOM KIM <sup>1</sup> , YOUNGSHIK CHOE <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of	P-03-0930
P22.30	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	MPO-0029, a novel COX-2 inhibitor, alleviates lumbar spinal stenosis-induced mechanical allodynia	<b>JEE YOUNG LEE<sup>1</sup></b> , HAE YOUNG CHOI <sup>1</sup> , CHAN SOL PARK <sup>1</sup> , TAE YOUNG YUNE <sup>1</sup>	<sup>1</sup> Kyunghee University, Seoul, Korea, Republic of	P-03-0925
P22.31	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Slingshot-1 impairs the clearance of mitochondria and tau via p62	<b>DAVID KANG<sup>1</sup></b> , CENXIAO FANG <sup>1</sup> , JUNG A WOO <sup>1</sup> , TIAN LIU <sup>1</sup> , SARA CAZZARO <sup>1</sup> , XINGYU ZHAO <sup>1</sup>	<sup>1</sup> USF Health College of Medicine, Byrd Neuroscience Institute, Tampa, USA	P-03-0920
P22.32	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Protective role of AEG-1 in nigral dopaminergic neurons in vivo	<b>EUNJU LEE<sup>1</sup></b> , TAE YEON KIM <sup>1</sup> , UN JU JUNG <sup>2</sup> , SANG RYONG KIM <sup>1,3</sup>	<sup>1</sup> School of Life Sciences, BK21 plus KNU Creative BioResearch Group, Kyungpook National University, Daegu 41566, Korea, <sup>2</sup> Department of Food Science and Nutrition, Pukyong National University, Busan 48513, Korea, <sup>3</sup> Brain Science and Engineering Institute, Kyungpook National University, Daegu 41944, Korea.	P-03-0900
P22.33	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Over-expression of Inr1 and the neurogenic-to-gliogenic shift: a potential mechanism in Down syndrome brain	<b>KAHLENG TAN<sup>1</sup></b> , QIWEI TAN <sup>1</sup> , WEN TAN <sup>1</sup>	<sup>1</sup> Guangdong University of Technology, Guangzhou, China	P-03-0904
P22.34	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Alterations of Plasma Lipid Profile in Schizophrenia	<b>DMITRY ZUBKOV<sup>1</sup></b> , ANNA TKACHEV <sup>1</sup> , ALINA EGOROVA <sup>1</sup> , ELENA STEKOLSKHOVA <sup>1</sup> , ANNA VANYUSHKINA <sup>1</sup> , PHILIPP KHAITOVICH <sup>1</sup>	<sup>1</sup> Skolkovo Institute of Science and Technology, Moscow, Russia	P-03-0895
P22.35	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Enhancement of stroke recovery by DNMT inhibition	<b>IN-AE CHOI<sup>1</sup></b> , JI HEE YUN <sup>1</sup> , JI-HYE KIM <sup>1</sup> , DONG-HEE CHOI <sup>1,2</sup> , JONGMIN LEE <sup>1,3</sup>	<sup>1</sup> Center for Neuroscience Research, Institute of Biomedical Science and Technology, Konkuk University, Seoul, Korea, Republic of, <sup>2</sup> Department of Medical Science Konkuk University School of Medicine, Konkuk University, Seoul, Korea, Republic of, <sup>3</sup> Department of Rehabilitation Medicine, Konkuk University School of Medicine, Konkuk University, Seoul, Korea, Republic of	P-03-0888

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P22.36	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Conformational signaling of ASIC1a channel-mediated acidotic neuronal cell death	XU TIAN-LE <sup>1</sup>	<sup>1</sup> Collaborative Innovation Center for Brain Science, Department of Anatomy and Physiology, Shanghai Jiao Tong University School of Medicine, Shanghai, China	P-03-0886
P22.37	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Changes in plasma levels of some specialized pro-resolving mediators, CD59, and IL-6 after ischemic and traumatic brain injuries in rats	SHINHAEE KANG <sup>1</sup> , A RA KOH <sup>2</sup> , SONG HEE LEE <sup>2</sup> , JUN-SUB JUNG <sup>3</sup> , SANG WUN SUH <sup>4</sup> , DONG-KEUN SONG <sup>1</sup>	<sup>1</sup> Departments of Pharmacology, Hallym University College of Medicine, Chunchon, Korea, Republic of, <sup>2</sup> Departments of Physiology, Hallym University College of Medicine, Chunchon, Korea, Republic of	P-03-0885
P22.38	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Subtyping autism: Can we predict treatment response in Autism Spectrum Disorder?	VALSAMMA EAPEN <sup>1</sup> , NISHA MATHEW <sup>2</sup> , AMANDA MAZZONI <sup>1</sup>	<sup>1</sup> University of New South Wales, Sydney, Australia, <sup>2</sup> UNSW Faculty of Medicine, Randwick, Australia	P-03-0883
P22.39	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	The dominant negative effect of Taiwanese APP mutation revealed by induced neuron from patient's iPSC	TANIA DEVINA <sup>1</sup> , IRENE HAN-JUO CHENG <sup>2</sup>	<sup>1</sup> Program in Molecular Medicine, National Yang Ming University and Academia Sinica Taipei, Taiwan, Taipei, Taiwan, <sup>2</sup> Institute of Brain Sciences, National Yang Ming University, Taipei, Taiwan, Taipei, Taiwan, China	P-03-0882
P22.40	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Small molecule lead discovery for ADHD using medicinal chemistry platform technology at NDCC, DGMI	GA YOUNG PARK <sup>1</sup> , EUN BI KO <sup>2</sup> , JIHEE KANG <sup>2</sup> , SERI BAE <sup>2</sup> , CHUN YOUNG IM <sup>3</sup> , CHAN-YOUNG SHIN <sup>2</sup> , KYUNG JA KWON <sup>2</sup> , MINSOO SONG <sup>1</sup>	<sup>1</sup> DGMI, Daegu, Korea, Republic of, <sup>2</sup> DGMI, Daegu, Korea, Republic of, <sup>3</sup> Department of Neuroscience, School of Medicine, Konkuk Univ., Seoul, Korea, Republic of, <sup>4</sup> Center for Neuroscience Research, Institute of Biomedical Science and Technology, Konkuk Univ., Seoul, Korea, Republic of	P-03-0881
P22.41	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	AMPA receptor-control essential for modulation of social behaviors	CHILLY GAY REMONDE <sup>1</sup> , JI-WOON KIM <sup>1</sup> , EDSON LUCK GONZALES <sup>1</sup> , KI-WANGHOON PARK <sup>1</sup> , RI JIN KANG <sup>1</sup> , CHIHYE CHUNG <sup>1</sup> , CHAN YOUNG SHIN <sup>1</sup>	<sup>1</sup> Konkuk University, Seoul, Korea, Republic of	P-03-0879
P22.42	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Decreased expression of genes involved in axonal development in the frontal cortex of FKBP5 deficient mice	KEUL CHOI <sup>1</sup> , JOONHEE LEE <sup>1</sup> , HYU JUNG KANG <sup>1</sup>	<sup>1</sup> Department of Life Science, Chung-Ang University, Seoul, Korea, Republic of	P-03-0875
P22.43	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Gallic acid attenuates blood spinal cord barrier disruption by inhibiting Jmjd3 expression and activation after spinal cord injury	CHAN SOL PARK <sup>1</sup> , JEE YOUNG LEE <sup>1</sup> , HAE YOUNG CHOI <sup>1</sup> , TAE YOUNG YUN <sup>1</sup>	<sup>1</sup> Kyung Hee University, Seoul, Korea, Republic of	P-03-0874
P22.44	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Integrated analysis of gene expression profiles regulated by Gata1 in cortical neurons	KEUL CHOI <sup>1</sup> , JUN GYOUNG PARK <sup>1</sup> , HYU JUNG KANG <sup>1</sup>	<sup>1</sup> Department of Life Science, Chung-Ang University, Seoul, Korea, Republic of	P-03-0871
P22.45	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Neuroprotective effect of aquilariae lignum extract against glutamate-induced excitotoxicity in HT22 hippocampal cells	SEUNG JU HWANG <sup>1</sup> , CHANG-GUE SON <sup>1</sup>	<sup>1</sup> Institute of Traditional Medicine and Bioscience, Daejeon Oriental Hospital of Daejeon Univ., 1136 Dunsan-dong, seo-gu, Daejeon, Korea 30525, Korea, Republic of	P-03-0867
P22.46	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Effect of chronic hypobaric hypoxia on the expression of Neurotrophin Y in an animal model of Parkinson's disease	OSCAR NUÑEZ <sup>1</sup> , ROY ANDRADE <sup>1</sup> , LUIS AGUILAR <sup>1</sup>	<sup>1</sup> UPCH, Lima, Peru	P-03-0861
P22.47	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Polymodal sensitivity of hTREK-1 channel to ischemia related factors	SOURAJIT MUKHERJEE <sup>1</sup> , SUJIT SIKDAR <sup>2</sup>	<sup>1</sup> Indian Institute of Science, Bangalore, India, <sup>2</sup> Molecular Biophysics Unit, Indian Institute of Science, Bangalore, India	P-03-0855
P22.48	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Role of adult hippocampal neurogenesis in the antidepressant effects of lactate	PIERRE MAGISTER <sup>1</sup> , ANTHONY CARRARD <sup>2</sup> , FREDERIC CASSE <sup>1</sup> , SOPHIE BURLET-GODINOT <sup>2</sup> , NICOLAS TONI <sup>1</sup> , JEAN-LUC MARTIN <sup>2</sup>	<sup>1</sup> KAUST, Thuwal, Saudi Arabia, <sup>2</sup> Center for Psychiatric Neurosciences, Lausanne University Hospital, Lausanne, Switzerland, <sup>3</sup> University of Lausanne, Lausanne, Switzerland, <sup>4</sup> University of Lausanne, Lausanne, Switzerland	P-03-0851
P22.49	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Autoantibodies to synapsin I in limbic encephalitis sequester cytosolic synapsin I and disrupt synaptic function	ANNA ROCCHI <sup>1</sup> , FABIO BENFENATI <sup>1</sup>	<sup>1</sup> Istituto Italiano di Tecnologia, Genova, Italy	P-03-0849
P22.50	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	The physiological role of o-glycosylation in the dopamine system	BYEONG EUN LEE <sup>1</sup> , HYUN-JIN KIM <sup>2</sup> , HYE YUN KIM <sup>2</sup> , HA-EUN LEE <sup>2</sup> , JIEUN LEE <sup>2</sup> , BYUNG-GYU KIM <sup>2</sup> , KYUNGJAE MYUNG <sup>1</sup> , PANN-GHILL SUH <sup>1</sup> , JAE-ICK KIM <sup>1</sup>	<sup>1</sup> School of Life Sciences, Ulsan National Institute of Science and Technology (UNIST), Ulsan 44919, Republic of Korea, Ulsan, Korea, Republic of, <sup>2</sup> School of Life Sciences, Ulsan National Institute of Science and Technology (UNIST), Ulsan 44919, Republic of Korea, Ulsan, Korea, Republic of, <sup>3</sup> Center for Genomic Integrity, Institute for Basic Science, Ulsan 44919, Republic of Korea, Ulsan, Korea, Republic of, <sup>4</sup> Korea Brain Research Institute (KBRI), Daegu 41062, Republic of Korea, Daegu, Korea, Republic of	P-03-0845
P22.51	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Epileptiform activity reduced by lactate through HCA1 and GIRK channel activation in rat subicular neurons	POOJA JORWAL <sup>1</sup> , SUJIT SIKDAR <sup>1</sup>	<sup>1</sup> Indian Institute of Science, Bangalore, India	P-03-0842
P22.52	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Animal model for chronic fatigue syndrome: model evaluation and establishment	JIN-SEOK LEE <sup>1</sup> , CHANG-GUE SON <sup>1</sup>	<sup>1</sup> Dunsan Hospital of Daejeon University, Daejeon, Korea, Republic of	P-03-0837
P22.53	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Discovery of Disease-modifying Drug Inhibiting Alpha-synuclein Aggregation in Lewy Body Dementia	KOHJI FUKUNAGA <sup>1</sup> , KAZUYA MATSUO <sup>1</sup> , AN CHENG <sup>1</sup> , YASUHARU SHINDO <sup>1</sup>	<sup>1</sup> Tohoku University Graduate School of Pharmaceutical Sciences, Sendai, Japan	P-03-0827
P22.54	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	The theory of dove-like particles	SUN ZUODONG <sup>1</sup>	<sup>1</sup> Yau Brain Science Institute of Helongjiang province, Harbin, China	P-03-0826
P22.55	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Cell cycle molecule Cdc25A and its role in Parkinson's disease related neurodegeneration	ANOY KUMAR DAS <sup>1</sup> , SUBHAS BISWAS <sup>1</sup>	<sup>1</sup> CSIR-Indian Institute of Chemical Biology, Kolkata, India	P-03-0821
P22.56	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Characterization of molecular mechanism underlying A-to-I RNA editing defects in ALS	SEUNGYEOL KIM <sup>1</sup> , INJUN CHA <sup>1</sup> , SUNGBAE LEE <sup>1</sup>	<sup>1</sup> Daegu Gyeongbuk Institute of Science and Technology, Daegu, Korea, Republic of	P-03-0820
P22.57	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Sunvavin knockdown increased anti-cancer effect of Rh2 in human neuroblastoma cells	JUNG-MI OH <sup>1</sup> , SUNGKUN CHUN <sup>1</sup>	<sup>1</sup> Chonbuk National University Medical School, Jeonju, Korea, Republic of	P-03-0817
P22.58	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Puma, a pro-apoptotic protein, modulates autophagy in an Alzheimer's disease model	AKASH SAHA <sup>1</sup> , SURAIYA SALEEM <sup>1</sup> , SUBHAS BISWAS <sup>1</sup>	<sup>1</sup> CSIR-Indian Institute of Chemical Biology, Kolkata, India	P-03-0812
P22.59	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Plasma tau/Ab <sub>42</sub> ratio predicts brain tau deposition and neurodegeneration in Alzheimer's disease	JONG-CHAN PARK <sup>1</sup> , SUN-HO HAN <sup>1</sup> , DAHYUN YI <sup>1</sup> , MIN SOO BYUN <sup>1</sup> , JUN HO LEE <sup>2</sup> , SUKJIN JANG <sup>3</sup> , KANG KO <sup>3</sup> , SO YEON JEON <sup>4</sup> , YUN-SANG LEE <sup>5</sup> , YU KYEONG KIM <sup>6</sup> , DONG YOUNG LEE <sup>2</sup> , INHEE MOOK-JUNG <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Seoul National University Hospital, Seoul, Korea, Republic of, <sup>3</sup> College of Medicine, Seoul National University, Seoul, Korea, Republic of, <sup>4</sup> SMG SNU Boramae Medical Center, Seoul, Korea, Republic of	P-03-0811
P22.60	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Deletion of PLCy1 in GABAergic neurons leads to seizures in mice	HYE YUN KIM <sup>1</sup> , YONG RYUOL YANG <sup>2</sup> , HONGIK HWANG <sup>3</sup> , HYUN-JUN JANG <sup>4</sup> , JEONGYEON KIM <sup>5</sup> , ESTHER YANG <sup>6</sup> , HYUN KIM <sup>7</sup> , HYEWHON RHIM <sup>8</sup> , PANN-GHILL SUH <sup>1</sup> , JAE-ICK KIM <sup>1</sup>	<sup>1</sup> School of Life Sciences, Ulsan National Institute of Science and Technology (UNIST), Ulsan 44919, Republic of Korea, Ulsan, Korea, Republic of, <sup>2</sup> Aging Research Center, Korea Research Institute of Bioscience and Biotechnology (KRISS), Daejeon 34141, Republic of Korea, Daejeon, Korea, Republic of, <sup>3</sup> Center for Neuroscience, Brain Science Institute, Korea Institute of Science and Technology (KIST), Seoul 136-791, Republic of Korea, Seoul, Korea, Republic of, <sup>4</sup> Korea Brain Research Institute (KBRI), Daegu 41062, Republic of Korea, Daegu, Korea, Republic of, <sup>5</sup> Department of Anatomy, College of Medicine, Korea University, Seoul, 136-705, Republic of Korea, Seoul, Korea, Republic of	P-03-0810
P22.61	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Quantitative analysis of SCD-A117 leaf extract and its biological activities on the neuroprotective and anti-neuroinflammation	YU JIN KIM <sup>1</sup> , HYE-SUN LIM <sup>1</sup> , JOO-HWAN KIM <sup>2</sup> , MINKYUN NA <sup>2</sup> , SOO-JIN JEONG <sup>1</sup>	<sup>1</sup> Korea Institute of Oriental Medicine, Daejeon, Korea, Republic of, <sup>2</sup> Gachon University, Seongnam, Korea, Republic of, <sup>3</sup> Chungnam National University, Daejeon, Korea, Republic of	P-03-0805
P22.62	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Effects of Electrical Stimulation to Improve Myelination towards Charcot-Marie-Tooth (CMT) Therapy	ASEER INTISAR <sup>1</sup> , WOON HAE KIM <sup>1</sup> , HYUN YOUNG SHIN <sup>1</sup> , SEUNG JOON LEE <sup>1</sup> , MIN YOUNG KIM <sup>1</sup> , YU SEON KIM <sup>2</sup> , YOON JEONG MO <sup>2</sup> , YUN-IL LEE <sup>2</sup> , MINSEOK S. KIM <sup>2</sup>	<sup>1</sup> Department of New Biology, DGIST, Daegu, Korea, Republic of, <sup>2</sup> Wall Aging Research Center, DGIST, Daegu, Korea, Republic of	P-03-0797
P22.63	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Role of Cofilin in Tau/Microtubule dynamics and Tauopathy	JUNGA ALEXA WOO <sup>1</sup> , TIAN LIU <sup>1</sup> , CENXIAO FANG <sup>1</sup> , SARA CAZZARO <sup>2</sup> , TERESA KEE <sup>3</sup> , PATRICK LEPOCHAT <sup>4</sup> , KSENIA YRIGON <sup>1</sup> , XINGYU ZHAO <sup>1</sup> , XINMING WANG <sup>1</sup> , STEPHEN LIGGETT <sup>1</sup> , DAVID KANG <sup>1</sup>	<sup>1</sup> University of South Florida, Tampa, USA	P-03-0789
P22.64	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Linalool attenuates cell death against oxidative stress and mitochondrial dysfunction in neurodegenerative diseases	ANGELICA MARIA SABOGAL GUAQUETA <sup>1</sup> , FABIAN HOBBIÉ <sup>1</sup> , ASMA OUN <sup>1</sup> , ERIK BODDEKE <sup>1</sup> , GLORIA PATRICIA CARDONA GOMEZ <sup>2</sup> , AMALIA DOLGA <sup>1</sup>	<sup>1</sup> University of Groningen, Groningen, Netherlands, <sup>2</sup> University of Antioquia, Medellin, Colombia	P-03-0788
P22.65	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	The effect of retromer dysfunction on the clearance and transfer of intra- and extra-cellular beta-amyloid and alpha-synuclein in neurons	NAZIRA ALBARQOTHY <sup>1</sup> , ANNA ANSELL SCHULTZ <sup>2</sup> , CHRISTOPHER SACKMANN <sup>1</sup> , MARTIN HALLBECK <sup>1</sup>	<sup>1</sup> Division of Clinical Pathology and Neurobiology, Department of Clinical and Experimental Medicine, Linköping University, Linköping, Sweden	P-03-0784
P22.66	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	3D electron tomographic analysis of age-dependent difference on the rate of altered synaptic vesicles by RF-EMF exposure in the mouse cerebral cortex	YANG HOON HUH <sup>1</sup> , HYU-JEONG KIM <sup>1</sup> , EUNYOUNG MOON <sup>1</sup> , JU HWAN KIM <sup>1</sup> , HAK RIM KIM <sup>1</sup>	<sup>1</sup> Korea Basic Science Institute, Ochang, Korea, Republic of, <sup>2</sup> Dankook University, College of Medicine, Cheonan-si, Korea, Republic of	P-03-0775
P22.67	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Intra-arterial stem cells therapy activates BDNF-TrkB signaling pathway to improve post-stroke outcome in senescent rodent model of ischemic stroke	PALLAB BHATTACHARYA <sup>1</sup> , DEEPANEETA SARMAH <sup>1</sup> , HARPREET KAUR <sup>1</sup> , DILEEP YAVAGAL <sup>2</sup>	<sup>1</sup> National Institute of Pharmaceutical Education and Research (NIPER), Ahmedabad, Gandhinagar, India, <sup>2</sup> Neurology and Neurosurgery, University of Miami Miller School of Medicine, Miami, USA	P-03-0771
P22.68	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Regionally increased brain perfusion in the Parkinson's disease with mild cognitive impairment compared to the cognitively normal Parkinson's disease	EUN HYUNG CHOI <sup>1</sup> , JI HYUN KO <sup>1</sup>	<sup>1</sup> University of Manitoba, Winnipeg, Canada	P-03-0766
P22.69	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Targeting mitochondrial calcium to fight neurological deficits: role of the MCU in the pathogenesis of Alzheimer's disease and status epilepticus	BEATRICE DORSI <sup>1</sup> , LUISA GALLA <sup>1</sup> , ELISA GREOTTI <sup>1</sup> , EDWARD BEAMER <sup>2</sup> , TOBIAS ENGEL <sup>2</sup> , DIEGO DE STEFANI <sup>1</sup> , TULLIO POZZAN <sup>1</sup> , ROSARIO RIZZUTO <sup>1</sup>	<sup>1</sup> University of Padua, Padua, Italy, <sup>2</sup> Royal College of Surgeons in Ireland, Dublin, Ireland	P-03-0763
P22.70	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Electroacupuncture therapy ameliorates motor dysfunction via brain-derived neurotrophic factor and glial cell line-derived neurotrophic factor in a mouse model of Parkinson's disease	MALK EUN PAK <sup>1,2</sup> , DA HEE JUNG <sup>1,2</sup> , HONG JU LEE <sup>1,2</sup> , SUNG MIN AHN <sup>3</sup> , HWA KYOUNG SHIN <sup>1,2,3</sup> , BYUNG TAE CHOI <sup>1,2,3</sup>	<sup>1</sup> Department of Korean Medical Science, School of Korean Medicine, <sup>2</sup> Graduate Training Program of Korean Center for Healthy-Aging, <sup>3</sup> Korean Medical Science Research Center for Healthy-Aging, Pusan National University, Yangsan 50812, Korea	P-03-0755
P22.71	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Corynoxine play a neuroprotection role on a rotenone rat model of Parkinson's disease	LEILEI CHEN <sup>1</sup> , YUJU HUANG <sup>1</sup> , JUXIAN SONG <sup>2</sup> , MIN LI <sup>2</sup> , JUNXIA XIE <sup>1</sup>	<sup>1</sup> Institute of Brain Science and Disease, Qingdao University, Qingdao, China, <sup>2</sup> School of Chinese Medicine, Hong Kong Baptist University, Hong Kong, Hong Kong SAR, China	P-03-0752
P22.72	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Exercise-induced inflammatory responses-reduced alpha-synuclein aggregation and improve motor function in a transgenic mouse model of Parkinson's disease	TAE-KYUNG KIM <sup>1</sup> , EUN-JIN BAE <sup>1</sup> , HYUN KYUNG CHUNG <sup>1</sup> , HE-JIN LEE <sup>2</sup> , SEUNG-JAE LEE <sup>2</sup>	<sup>1</sup> Seoul National University College of Medicine, Seoul, Korea, Republic of, <sup>2</sup> Konkuk University College of Medicine, Seoul, Korea, Republic of	P-03-0744
P22.73	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	PDZ-GEF1 mediates alpha oligomer-induced synaptic dysfunction	YOU NA JANG <sup>1</sup> , HOCHUNG JANG <sup>1</sup> , KEA JOO LEE <sup>2</sup>	<sup>1</sup> Synaptic Circuit Plasticity Lab., Dept. of Structure & Function of Neural Network, KBRI, Daegu, Korea, Republic of, <sup>2</sup> Synaptic Circuit Plasticity Lab., Dept. of Structure & Function of Neural Network, KBRI, Daegu, Korea, Republic of, <sup>3</sup> Synaptic Circuit Plasticity Lab., Dept. of Structure & Function of Neural Network, KBRI, Daegu, Korea, Republic of	P-03-0743
P22.74	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Neuroprotective effect and mechanisms of lactoferrin on MPTP induced mice model of Parkinson's disease	YAN QU <sup>1</sup> , JUN WANG <sup>1</sup> , JUNXIA XIE <sup>1</sup>	<sup>1</sup> Qingdao University, Qingdao, China	P-03-0739
P22.75	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Neuroprotective Role of TNFalpha-loaded Ln <sup>3</sup> -based Upconversion Nanoparticles in Mouse Model of Huntington's Disease	PRAGYA KOMAL <sup>1</sup> , MANJARI SKV <sup>1</sup> , ANURAG GAUTAM <sup>2</sup> , ANURAG GAUTAM <sup>2</sup>	<sup>1</sup> Assistant Professor, Department of Biology, BITS-Pilani Hyderabad, Hyderabad, India, <sup>2</sup> Associate Professor, O.P.J.S. University (OPJU), Raigarh, Department of Chemistry, Raigarh, India, <sup>3</sup> Department of Biology, BITS-Pilani Hyderabad, Hyderabad, India	P-03-0725
P22.76	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Highly Selective Microglial Uptake of Ceria-Zirconia Nanoparticles for Enhanced Analgesic Treatment of Neuropathic Pain	BOOMIN CHOI <sup>1</sup> , MIN SOH <sup>2</sup> , JUNYOUNG OH <sup>1</sup> , HEEHONG LEE <sup>1</sup> , TAEHWAN HYEON <sup>1</sup> , SUNG JOONG LEE <sup>1</sup>	<sup>1</sup> Department of Neuroscience and Physiology, Dental Research Institute, School of Dentistry, Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Center for Nanoparticle Research, Institute for Basic Science (IBS), Seoul, Korea, Republic of	P-03-0717
P22.77	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	The impact of the gut microbiota on Huntington's disease mice	CAROLINA DE MOURA GUBERT <sup>1</sup> , GERALDINE KONG <sup>1</sup> , JAMIE LEW <sup>1</sup> , CHLOE LOVE <sup>1</sup> , THIBAUT RENOUR <sup>1</sup> , ANTHONY HANNAN <sup>1</sup>	<sup>1</sup> The Florey Institute of Neuroscience and Mental Health, Melbourne, Australia	P-03-0716

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P22.78	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Proteomic profiling of nucleus accumbens synaptosomes following short- and long-term withdrawal from cocaine self-administration in mice	<b>YUN YOUNG YIM<sup>1</sup></b> , CALES J. BROWNE <sup>2</sup> , JUNSHI WANG <sup>2</sup> , RASHAUN S. WILSON <sup>3</sup> , ANGUS C. NAIRN <sup>4</sup> , YAN DONGS <sup>5</sup> , ERIC J. NESTLER <sup>1</sup>	<sup>1</sup> ICahn School of Medicine at Mount Sinai, New York, USA, <sup>2</sup> University of Pittsburgh, Pittsburgh, USA, <sup>3</sup> Yale-NIDA Neuropharmacology Center, New Haven, USA, <sup>4</sup> Yale School of Medicine, Connecticut Mental Health Center, New Haven, USA, <sup>5</sup> University of Pittsburgh, Pittsburgh, USA	P-03-0714
P22.79	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Transcriptional Signatures of Treatment Resistant Depression in Mouse Models	<b>ANGELICA TORRES-BERRIO<sup>1</sup></b> , ERIC M. PARISE <sup>1</sup> , TREVONN GYLES <sup>1</sup> , FREDDYSON J. MARTINEZ-RIVERA <sup>1</sup> , CALEB J. BROWNE <sup>1</sup> , ERIC J. NESTLER <sup>1</sup>	<sup>1</sup> ICahn School of Medicine at Mount Sinai, New York, USA, <sup>2</sup> Morehouse College, Atlanta, USA	P-03-0713
P22.80	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Functional connectivity mapping of hyper-hypoclastic and chronic cerebral hypoperfusion co-induced vascular cognitive impairment mouse models	<b>ZIYU WANG<sup>1</sup></b>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of	P-03-0712
P22.81	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Hippocampal inhibitory interneurons modulate behavioral despair in mice	<b>SANG HO YOON<sup>1</sup></b> , WOO SEOK SONG <sup>2</sup> , SUNG PYO OH <sup>1</sup> , MYOUNG-HWAN KIM <sup>1</sup>	<sup>1</sup> Seoul National University College of Medicine, Seoul, Korea, Republic of	P-03-0711
P22.82	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Genetic spectrum and variability in Chinese patients with amyotrophic lateral sclerosis	<b>LI HONG-FU<sup>1</sup></b> , ZHI-JUN LIU <sup>2</sup> , HUI-XIA LIN <sup>2</sup> , QIAO WEI <sup>2</sup> , ZHI-YING WU <sup>2</sup>	<sup>1</sup> Second Affiliated Hospital Zhejiang University School of Medicine, Hangzhou, China, <sup>2</sup> Zhejiang University School of Medicine, Hangzhou, China, <sup>3</sup> Fujian Medical University, Fuzhou, China	P-03-0710
P22.83	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	DRG2 depletion is associated with Smith-Magenis syndrome in mice	<b>HYE RYEONG LIM<sup>1</sup></b> , JEONGAH KIM <sup>2</sup> , RI YU <sup>1</sup> , JONG HYUK YOON <sup>1</sup> , JEONG WOO PARK <sup>1</sup> , CHANG MAN HA <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of, <sup>2</sup> DGIST, Daegu, Korea, Republic of, <sup>3</sup> Ulsan University, Ulsan, Korea, Republic of	P-03-0708
P22.84	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Inhibition of TBK1 regulates the UPS impairment via p62 phosphorylation in TDP-43 proteinopathies	<b>SHINRYE LEE<sup>1</sup></b> , SEYEON KIM <sup>1</sup> , HYUNG-JUN KIM <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute (KBRI), Daegu, Korea, Republic of	P-03-0689
P22.85	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Validation of novel small molecules in ALS/FTD disease model with TDP-43 toxicity	<b>YU-MI JEON<sup>1</sup></b> , YOUNGHWI KWON <sup>2</sup> , HYUNG-JUN KIM <sup>1</sup>	<sup>1</sup> Department of Neural Development and Disease, Korea Brain Research Institute (KBRI), Daegu, Korea, Republic of, <sup>2</sup> Department of BrainCognitive Sciences, DGIST, Daegu, Korea, Republic of	P-03-0684
P22.86	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Investigating the contribution of astrocytic cholesterol transport in neuronal Aβ generation using human-induced pluripotent stem cells	<b>WOOJIN JEONG<sup>1</sup></b> , HYEIN LEE <sup>1</sup> , JINSOO SEO <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of	P-03-0683
P22.87	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Intellectual disability and cytogenetic abnormalities	<b>BOUTAINA BELKADY<sup>1</sup></b> , RACHIDA CADI <sup>2</sup> , SANAA NASSEREDDINE <sup>3</sup> , ABDELHAMID BARAKAT <sup>4</sup>	<sup>1</sup> University Hassan II of Morocco/ Faculty of Sciences Ain Chock, Casablanca, Morocco, <sup>2</sup> Laboratory of Physopathology, Molecular Genetics and Biotechnology, Faculty of sciences Ain Chock, Casablanca, Morocco, <sup>3</sup> Laboratory of Cytogenetics, Institut Pasteur of Morocco, Casablanca, Morocco, <sup>4</sup> Laboratory of Genomics and Human Genetics, Institut Pasteur of Morocco, Casablanca, Morocco	P-03-0671
P22.88	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Long-term transcranial DC stimulation facilitates cognitive functions recovery in alcohol use disorder	<b>DENIS KIM<sup>1</sup></b> , ZOYA SHIN <sup>1</sup> , ANVAR SARIEV <sup>2</sup>	<sup>1</sup> Tashkent Medical Academy, Department of Psychiatry, Tashkent, Uzbekistan, <sup>2</sup> Korea Institute of Science and Technology, Seoul, Korea, Republic of	P-03-0663
P22.89	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Migraine-associated photophobia: a new mice model for light aversion study	<b>CRISTINA ALBA-DELGADO<sup>1</sup></b> , MARIE RAQUIN <sup>1</sup> , MOHAMED A. ZKIM <sup>1</sup> , CHRISTINE CERCVY <sup>1</sup> , PAUL AVAN <sup>1</sup> , RADHOJANE DALLEL <sup>1</sup> , ISABELLE RANÇON-COLE <sup>1</sup>	<sup>1</sup> Université Clermont Auvergne, Neuro-Dol, INSERMUCA U1107, Clermont-Ferrand, France	P-03-0662
P22.90	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	miR-34b/c inhibition attenuates ischemia-induced death of hippocampal neurons and rescues aberrant synaptic plasticity and cognitive deficits	<b>JEE-YEON HWANG<sup>1</sup></b> , HYE-RAN BYUN <sup>2</sup> , MORGAN PORCH <sup>3</sup> , FABRIZIO PONTARELLI <sup>4</sup> , BRENDA COURT-VAZQUEZ <sup>5</sup> , SUZANNE R. ZUKIN <sup>6</sup>	<sup>1</sup> Department of Pharmacology and Neuroscience, Creighton University School of Medicine, Omaha, USA, <sup>2</sup> Department of Pharmacology and Neuroscience, Creighton University School of Medicine, Omaha, NE, USA, <sup>3</sup> Dominick P. Purpura Department of Neuroscience, Albert Einstein College of Medicine, New York, NY, USA	P-03-0650
P22.91	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Effect of Combination Therapy with Drug, Device, and Exercise for Improving Post Stroke Gait: A Randomised Controlled Trial	<b>BAJUNATH ROY<sup>1</sup></b> , ROHIT BHATIA <sup>1</sup> , NAND KUMAR <sup>1</sup> , SANJAY WADHAWA <sup>1</sup> , M.V. PADMA SRIVASTAVA <sup>1</sup>	<sup>1</sup> All India Institute of Medical Sciences, New Delhi, India	P-03-0648
P22.92	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Functional characterization of mGlu7 mutations identified in patients with developmental disability	<b>JAEMAN SONG<sup>1</sup></b> , YOUNG HO SUH <sup>2</sup>	<sup>1</sup> Seoul national university, Seoul, Korea, Republic of, <sup>2</sup> Seoul national university, Seoul, Korea, Republic of	P-03-0643
P22.93	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Presenilin 2 (PS2) N411 mutation mediates corticosterone-induced autophagic cell death of adult hippocampal neural stem cells	<b>JIHYUN HONG<sup>1</sup></b> , HYUN-KYU AN <sup>1</sup> , HYUNHEE PARK <sup>1</sup> , SEONG-WOON YU <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of	P-03-0638
P22.94	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Development of technology based on specific metabolic regulation of neurodegenerative disease(Research Center for Metabolic Regulation Neurodegenerative disease)	<b>MYEONG OK KIM<sup>1</sup></b> , MYEONG OK KIM <sup>1</sup>	<sup>1</sup> Gyeongsang National University, Jinju, Korea, Republic of	P-03-0636
P22.96	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Visualizing Neural Correlates of Tourette's-like Motor Tics in Brain Slices with Genetically Encoded Voltage Indicators	<b>JUN KYU RHEE<sup>1</sup></b> , BRADLEY J. BAKER <sup>2</sup>	<sup>1</sup> UST, KIST School, Seoul, Korea, Republic of, <sup>2</sup> KIST, Seoul, Korea, Republic of	P-03-0631
P22.97	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Investigation of Cortical Synaptic Structures in Elevated Protein Synthesis of Microglia using Serial Block-face SEM	<b>GYU HYUN KIM<sup>1</sup></b> , ZHI-XIANG XU <sup>2</sup> , SANG-HOON LEE <sup>1</sup> , NA YOUNG DO <sup>1</sup> , CHAN HEE LEE <sup>1</sup> , BAQI XU <sup>3</sup> , KEA JOO LEE <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute (KBRI), Daegu, Korea, Republic of, <sup>2</sup> The Scripps Research Institute, Florida, USA	P-03-0622
P22.98	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	The FDA-approved drug Carvedilol improves vision and retinal morphology in a zebrafish model of retinitis pigmentosa	<b>LOGAN GANZEN<sup>1</sup></b> , YUK FAI LEUNG <sup>1</sup>	<sup>1</sup> Purdue University, West Lafayette, USA	P-03-0619
P22.99	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Studying blood vessel architecture at capillary level in mouse brain	<b>JONG SOON WON<sup>1</sup></b> , SANG IL GUM <sup>1</sup>	<sup>1</sup> Inaese, Daegu, Korea, Republic of	P-03-0612
P22.100	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Potential biomarkers in patients with multiple sclerosis in relapsing and remitting phases	<b>ELAHEH GHOVEHOU<sup>1</sup></b> , SHOHREH TEIMURI <sup>1</sup> , JAFAR VATANDOST <sup>1</sup> , AREF HOSSEINI <sup>1</sup> , MASOOD ETEMADIFAR <sup>2</sup> , MOHAMMAD HOSSEIN NASR ESFAHANI <sup>3</sup> , TIMOTHY L. MEGRAW <sup>4</sup> , KAMRAN GHAEDI <sup>5</sup>	<sup>1</sup> hakim sabzevari university-sabzevar-iran / Department of Cellular Biotechnology, Cell Science Research Center, Royan Institute of Biotechnology, ACECR, Isfahan, Iran, Isfahan, Iran, <sup>2</sup> Division of Cellular and Molecular Biology, Department of Biology, Faculty of Sciences, University of Isfahan, Isfahan, Iran/ Department of Cellular Biotechnology, Cell Science Research Center, Royan Institute of Biotechnology, ACECR, Isfahan, Iran, Isfahan, Iran, <sup>3</sup> Institute of Cell Biology, University of Bern, Bern, Switzerland, Bern, Switzerland, <sup>4</sup> Department of Biology, Hakim Sabzevari University, Sabzevar, Iran, <sup>5</sup> Institute of Biochemistry and Molecular Medicine, NCCR TransCure, University of Bern, Bern, CH-3012, Switzerland, Bern, Switzerland, <sup>6</sup> Department of Neurology, School of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran, Isfahan, Iran, <sup>7</sup> Department of Cellular Biotechnology, Cell Science Research Center, Royan Institute for Biotechnology, ACECR, Isfahan, Iran, Isfahan, Iran, <sup>8</sup> Department of Biomedical Sciences, Florida State University College of Medicine, West Call Street, Tallahassee, FL 32306-4300, USA, Florida, USA	P-03-0610
P22.101	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	JBPO50101 suppress status epilepsy activity by modulation of mGluR1 and mGluR4	<b>HO-SUB PARK<sup>1</sup></b> , EUN-SANG HWANG <sup>1</sup> , GA-YOUNG CHOI <sup>1</sup> , JAE-HO KHL <sup>1</sup> , JI-HO PARK <sup>2</sup>	<sup>1</sup> Department of Gerontology, Graduate School of East-West Medical Science, Kyung Hee University, Yongin, Korea, Republic of, <sup>2</sup> Department of East-West Medicine, Graduate School of East-West Medical Science, Kyung Hee University, Yongin, Korea, Republic of, <sup>3</sup> Department of Alternative and Complementary Medicine, Graduate School of East-West Medical Science, Kyung Hee University, Yongin, Korea, Republic of, <sup>4</sup> Department of Sports Medicine, Graduate School of Sports Science, Kyung Hee University, Yongin, Korea, Republic of	P-03-0602
P22.102	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Rapid removal of Amyloid-β aggregates using superparamagnetic nanoparticles	<b>SHEN NING<sup>1</sup></b> , ALEXANDER ROMPALA <sup>1</sup> , NANDA K. N. SHANMUGAM <sup>1</sup> , INKYU KIM <sup>1</sup> , ALEX S. RODRIGUEZ <sup>1</sup> , STEPHANIE HARTMANN <sup>1</sup> , SHAUN R. PATEL <sup>1</sup> , SE HOON CHOI <sup>1</sup> , RUDOLPH E. TANZI <sup>1</sup> , DOO YEON KIM <sup>1</sup>	<sup>1</sup> Genetics and Aging Research Unit, MassGeneral Institute for Neurodegenerative Disease, Massachusetts General Hospital, Harvard Medical School, Charlestown, USA	P-03-0596
P22.103	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Modified-Sopungunkwon ameliorates amyloid beta oligomer-induced memory deficits and neurodegeneration in Alzheimer's disease models	<b>JIN GYU CHOI<sup>1</sup></b> , NAMKWOON KIM <sup>1</sup> , BOH RAH JOO <sup>1</sup> , MYUNG SOOK OH <sup>1</sup>	<sup>1</sup> Kyung Hee University, Seoul, Korea, Republic of	P-03-1876
P22.104	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Structural and functional brain changes following electroconvulsive therapy (ECT) in schizophrenia patients: A systematic review	<b>SUN-YOUNG MOON<sup>1</sup></b> , MINAH KIM <sup>1</sup> , TAE YOUNG LEE <sup>1</sup> , JUN SOO KWON <sup>1</sup>	<sup>1</sup> Department of Psychiatry, Seoul National University College of Medicine, Seoul, Republic of Korea, Seoul, Korea, Republic of	P-03-1889
P22.105	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.24 12:40	2019.09.24 14:40	Role Of Withania Somnifera In Ischemic Stroke Model Produced By Unilateral Internal Carotid Artery Ligation: A Histological Staining With 2,3,5 Triphenyltetrazolium Chloride And Behavior Analysis	<b>SARUN KOIRALA<sup>1</sup></b> , GP ROUNIAR <sup>2</sup> , SANDIP SHAH <sup>3</sup> , BHAWESH KOIRALA <sup>4</sup> , LAXMAN KHANAL <sup>5</sup>	<sup>1</sup> B. P. Koirala Institute of Health Sciences, dharan, Nepal, <sup>2</sup> B. P. Koirala Institute of Health Sciences, Professor Department of Clinical Pharmacology and Therapeutics, dharan, Nepal, <sup>3</sup> B. P. Koirala Institute of Health Sciences, Department of anatomy, dharan, Nepal, <sup>4</sup> B. P. Koirala Institute of Health Sciences, Department of Clinical Pharmacology and Therapeutics, dharan, Nepal, <sup>5</sup> B. P. Koirala Institute of Health Sciences, Department of anatomy, dharan, Nepal	P-03-0076
P23.01	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.24 12:40	2019.09.24 14:40	Control of neuroinflammation and cognitive functions of experimental animals by optogenetic and chemogenetic manipulation of hippocampal astrocytes	<b>JAE-HONG KIM<sup>1</sup></b> , YUJUNG KIM <sup>1</sup> , MICHIKO NAKAMURA <sup>2</sup> , IL-SUNG JANG <sup>2</sup> , MAAN-GEE LEE <sup>1</sup> , KYOUNGHO SUK <sup>1</sup>	<sup>1</sup> Department of Biomedical Science and Department of Pharmacology, School of Medicine, Kyungpook National University, Daegu, Korea, Republic of, <sup>2</sup> Department of Pharmacology, School of Dentistry, Kyungpook National University, Daegu, Korea, Republic of	P-04-0872
P23.02	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.24 12:40	2019.09.24 14:40	Effects of optogenetic astrocyte activation in hippocampus on mouse behavior	<b>WOO-HYUN CHO<sup>1</sup></b> , KYUNGCHUL NOH <sup>2</sup> , ELLANE BARCELON <sup>2</sup> , SUNG JOONG LEE <sup>2</sup>	<sup>1</sup> Seoul university, Seoul, Korea, Republic of, <sup>2</sup> Department of Neuroscience and Physiology and Dental Research Institute, School of Dentistry, Seoul National University, Seoul, Korea, Republic of	P-04-0864
P23.03	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.24 12:40	2019.09.24 14:40	SNARE-mediated and glia-specific communication ensures proper nerve morphology and function	<b>MATHIAS BÖHME<sup>1</sup></b> , KRISTINA PONIMASKINE <sup>1</sup> , ANTHONY MCCARTHY <sup>1</sup> , ALEXANDER WALTER <sup>1</sup>	<sup>1</sup> Leibniz Institute for Molecular Pharmacology, Berlin, Germany	P-04-0857
P23.04	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.24 12:40	2019.09.24 14:40	Gut microbiota modulates genes involved in the astrocyte-neuron lactate shuttle in the hippocampus	<b>MICHAEL MARGINEANU<sup>1</sup></b> , EOIN SHERWIN <sup>2</sup> , ANNA GOLUBEVA <sup>2</sup> , VERONICA PETERSON <sup>3</sup> , ALAN HOBAN <sup>3</sup> , KIERAN REA <sup>4</sup> , JOHN F. CRYAN <sup>4</sup> , PIERRE MAGISTRETTI <sup>1</sup>	<sup>1</sup> KAUST, Thuwal, Saudi Arabia, <sup>2</sup> APC Microbiome Ireland, Cork, Ireland, <sup>3</sup> Department of Anatomy and Neuroscience, University College Cork, Cork, Ireland, <sup>4</sup> APC Microbiome Ireland; Department of Anatomy and Neuroscience, University College Cork, Cork, Ireland	P-04-0852
P23.05	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.24 12:40	2019.09.24 14:40	Myelin degeneration induced by accumulation of mutant superoxide dismutase 1 promotes pathology of amyotrophic lateral sclerosis	<b>SUHYUN KIM<sup>1</sup></b> , AH-YOUNG CHUNG <sup>1</sup> , JI EUN NA <sup>2</sup> , SE JEONG LEE <sup>2</sup> , SANG HOON JEONG <sup>1</sup> , EUNMI KIM <sup>1</sup> , IM JOO RHYU <sup>2</sup> , HAE-CHUL PARK <sup>1</sup>	<sup>1</sup> Department of Biomedical Sciences, College of Medicine, Korea University, Seoul, Korea, Republic of, <sup>2</sup> Department of Anatomy, College of Medicine, Korea University, Seoul, Korea, Republic of, <sup>3</sup> Biomedical Research Center, Korea University Ansan hospital, Ansan, Korea, Republic of	P-04-0813
P23.06	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.24 12:40	2019.09.24 14:40	Nanostructured surfaces promote differentiation of rat neural stem cells into oligodendrocytes	<b>KRISHNA D. SHARMA<sup>1</sup></b> , KARRER M. ALGHAZALI <sup>2</sup> , AMBAR B. RANGUMAGAR <sup>1</sup> , ANINDYA GHOSH <sup>1</sup> , ALEXANDRU S. BIRIS <sup>3</sup> , JENNIFER Y. XIE <sup>2</sup>	<sup>1</sup> Department of Molecular Biosciences, Arkansas State University, Jonesboro, AR, USA, <sup>2</sup> Department of Basic Sciences, New York Institute of Technology College of Osteopathic Medicine, Jonesboro, AR, USA, <sup>3</sup> Center for Integrative Nanotechnology Sciences, University of Arkansas at Little Rock, Little Rock, AR, USA, <sup>4</sup> Department of Chemistry, University of Arkansas at Little Rock, Little Rock, AR, USA	P-04-0801
P23.07	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.24 12:40	2019.09.24 14:40	Neuregulin1 type3-erbB2/3 signaling is required for selective myelination of primary motor nerves by schwann cells in the zebrafish pns	<b>DONG-WON LEE<sup>1</sup></b> , SUHYUN KIM <sup>1</sup> , EUNMI KIM <sup>1</sup> , INYOUNG JEONG <sup>1</sup> , HWAN-KI KIM <sup>1</sup> , BOA KIM <sup>1</sup> , HAE-CHUL PARK <sup>1</sup>	<sup>1</sup> Department of Biomedical Sciences, Korea University, Seoul, Korea, Republic of	P-04-0798

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P23.08	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.24 12:40	2019.09.24 14:40	Brain microglial activation in chronic pain-associated affective disorder	ELLANE BARCELON <sup>1</sup> , WOO-HYUN CHO <sup>1</sup> , SANG BEOM JUN <sup>2</sup> , SUNG JOONG LEE <sup>1</sup>	<sup>1</sup> Department of Neuroscience and Physiology and Dental Research Institute, School of Dentistry, Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Department of Electronic and Electrical Engineering, Ewha Womans University, Seoul, Korea, Republic of	P-04-0794
P23.09	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.24 12:40	2019.09.24 14:40	Astrocytes and learning dependent synaptic stabilization: role of glycoen-derived lactate	ELENA VEZZOLI <sup>1</sup> , CORRADO CALI <sup>2</sup> , LUISA PONZON <sup>3</sup> , ELISA SOGNE <sup>4</sup> , NICOLAS GAGNON <sup>5</sup> , MAIRA FRANCOLINI <sup>6</sup> , DANIELA BRADA <sup>7</sup> , MARIAELVINA SALA <sup>8</sup> , ANDREA FALUOI <sup>9</sup> , PIERRE J. MAGISTRETTI <sup>7</sup>	<sup>1</sup> Dipartimento di Bioscienza, Università degli Studi di Milano; King Abdullah University of Science and Technology (KAUST), Biological and Environmental Science & Engineering (BESE) Division; <sup>2</sup> Dipartimento di Biologia e Medicina Traslazionale, Università degli Studi di Milano, Milan, Italy; <sup>3</sup> King Abdullah University of Science and Technology (KAUST), Biological and Environmental Science & Engineering (BESE) Division, Thuwal, Saudi Arabia, <sup>4</sup> Dipartimento di Biologia e Medicina Traslazionale, Università degli Studi di Milano, Milan, Italy; <sup>5</sup> CNR, Institute of Neuroscience, Milan, Italy	P-04-0785
P23.10	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.24 12:40	2019.09.24 14:40	Glutathione in neuron-glia cross-talk: functional regulation of physical assembly of astroglial metabolic enzymes and SLC1A amino acid transporters by neuronal factors	GEORGI GEGELASHVILI <sup>1</sup> , OLE J BJERRUM <sup>2</sup>	<sup>1</sup> Illia State University, Tbilisi, Georgia, <sup>2</sup> University of Copenhagen, Copenhagen, Denmark	P-04-0767
P23.11	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.24 12:40	2019.09.24 14:40	The effects of 6-hydroxydopamine on iron metabolism in astrocytes are mediated by hypoxia-inducible factor-2α	MANMAN XU <sup>1</sup> , JUN WANG <sup>1</sup> , JUNXIA XIE <sup>1</sup>	<sup>1</sup> Qingdao University, Qingdao, China	P-04-0761
P23.12	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.24 12:40	2019.09.24 14:40	Functional stoichiometry and membrane topology of the astrocytic membrane protein, MLC1	BYOUNG-CHEOL LEE <sup>1</sup> , JUNMO HWANG <sup>1</sup> , BO-YOUNG YOON <sup>1</sup> , GA-YOUNG LEE <sup>2</sup> , KIPOOM KIM <sup>3</sup> , KUNWOONG PARK <sup>1</sup> , HYUN-HO LIM <sup>1</sup>	<sup>1</sup> Department of Structure and Function of Neural Network, Korea Brain Research Institute, Daegu, Korea, Republic of, <sup>2</sup> Brain Research Core Facilities, Korea Brain Research Institute, Daegu, Korea, Republic of	P-04-0746
P23.13	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.24 12:40	2019.09.24 14:40	Low dose ionizing radiation is possible strategy for shifting of the Microglial activation phenotype.	WEONKUU CHUNG <sup>1</sup> , SE YOUNG CHOI <sup>2</sup> , MI JOO JUNG <sup>2</sup> , DONG WOOK KIM <sup>3</sup> , JONG KIL LEE <sup>4</sup> , HAK YOUNG RHEE <sup>4</sup> , CHANWOO KIM <sup>5</sup> , GOEN-HO JAHNG <sup>6</sup>	<sup>1</sup> Kyunghee University hospital at Gangdong, Seoul, Korea, Republic of, <sup>2</sup> Department of Radiation Oncology, Kyunghee University hospital at Gangdong, Seoul, Korea, Republic of, <sup>3</sup> Department of Pharmacy, College of Pharmacy, Kyung Hee University, Seoul, Korea, Republic of, <sup>4</sup> Department of Neurology, Kyung Hee University Hospital at Gangdong, Seoul, Korea, Republic of, <sup>5</sup> Department of Nuclear Medicine, Kyung Hee University Hospital at Gangdong, Seoul, Korea, Republic of, <sup>6</sup> Department of Radiology, Kyung Hee University Hospital at Gangdong, Seoul, Korea, Republic of	P-04-0740
P23.14	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.24 12:40	2019.09.24 14:40	Molecular basis of the immune receptor TREM2 and the generation of monoclonal antibodies against TREM2, a risk factor in Alzheimer's disease	HYUN JUNG KIM <sup>1</sup> , YEON-WOO PARK <sup>1</sup> , HEE SOON CHOI <sup>1</sup> , HYUN-HO LIM <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of	P-04-0731
P23.15	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.24 12:40	2019.09.24 14:40	Sparse reconstruction of neurons and glial cells of layer VI somatosensory cortex of a juvenile rat	CORRADO CALI <sup>1</sup> , KALPANA KARE <sup>1</sup> , DANIELA BOGES <sup>1</sup> , MARCO AGUS <sup>2</sup> , MARKUS HADWIGER <sup>3</sup> , PIERRE MAGISTRETTI <sup>1</sup>	<sup>1</sup> KAUST, BESE, Thuwal, Saudi Arabia, <sup>2</sup> KAUST, VCC, Thuwal, Saudi Arabia	P-04-0729
P23.16	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.24 12:40	2019.09.24 14:40	The astrocytic membrane protein megalencephalic leukoencephalopathy with subcortical cysts 1 (MLC1) induces membrane protrusion and regulates cellular motility	JUNMO HWANG <sup>1</sup> , HYUN-HO LIM <sup>1</sup>	<sup>1</sup> Department of Structure and Function of Neural Network, Korea Brain Research Institute, Daegu, Korea, Republic of	P-04-0723
P23.17	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.24 12:40	2019.09.24 14:40	Expression and potential roles of TROY, a member of the TNF receptor superfamily, in astrocytes	TOMOKO HISAKAWA <sup>1</sup> , TADASUKE KOMORI <sup>1</sup> , TOSHIO KITAMURA <sup>2</sup> , YOSHIHIRO MORIKAWA <sup>1</sup>	<sup>1</sup> Wakayama Medical University, Wakayama, Japan, <sup>2</sup> The Institute of Medical Science, The University of Tokyo, Tokyo, Japan	P-04-0688
P23.18	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.24 12:40	2019.09.24 14:40	Regulation of adult hippocampal synaptic transmission by astrocytic synapse pruning	JIYOUNG KIM <sup>1</sup> , HYOELUN LEE <sup>1</sup> , HAN KYOUNG CHOE <sup>2</sup> , WON-SUK CHUNG <sup>3</sup> , HYUNGU PARK <sup>4</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of, <sup>2</sup> Daegu Gyeongbuk Institute of Science & Technology, Daegu, Korea, Republic of, <sup>3</sup> Korea Advanced Institute of Science and Technology, Daejeon, Korea, Republic of	P-04-0675
P23.19	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.24 12:40	2019.09.24 14:40	Differential temporal susceptibility to chemotherapeutic treatment in proliferative glioblastoma cancer cells displaying redox and metabolic oscillations	MARIO E. GUIDO <sup>1</sup> , PAULA M WAGNER <sup>2</sup>	<sup>1</sup> CORQUIC CONICET Universidad Nacional de Córdoba, Córdoba, Argentina, <sup>2</sup> CORQUIC CONICET Universidad Nacional de Córdoba, Córdoba, Argentina	P-04-0661
P23.20	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.24 12:40	2019.09.24 14:40	The anti-inflammatory potential of STVNs in modulating microglial activation in cerebral ischemia-reperfusion injury	QIWEN TAN <sup>1</sup> , HUI HU <sup>1</sup> , KAI-LENG TAN <sup>1</sup> , WEN TAN <sup>1</sup>	<sup>1</sup> Guangdong University of Technology, Guangzhou, China	P-04-0594
P23.21	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.24 12:40	2019.09.24 14:40	Astrocytic TTF-1 Mediates LPS-Induced Hypothalamic Inflammation By Modulating NF-κB Signaling	BORA JEONG <sup>1</sup> , JIN WOO KIM <sup>1</sup> , BYUNG JU LEE <sup>1</sup>	<sup>1</sup> University of Ulsan, Ulsan, Korea, Republic of	P-04-0593
P23.22	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.24 12:40	2019.09.24 14:40	Spinal astrocytes contribute to bone cancer pain in mice through interleukin 17A/interleukin 17 receptor A	HUIZHU LIU <sup>1</sup> , XUEJING LI <sup>1</sup> , NING LU <sup>1</sup> , YUQIU ZHANG <sup>1</sup>	<sup>1</sup> Institutes of Brain Science, State Key Laboratory of Medical Neurobiology and MOE Frontiers Center for Brain Science, Fudan University, Shanghai, China	P-04-0553
P23.23	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.24 12:40	2019.09.24 14:40	Neuroprotective effect of exogenous melatonin on the noradrenergic neurons of adult male rats' locus coeruleus nucleus following REM sleep deprivation	SOMAYE MESGAR <sup>1</sup> , BEHNAZ JAMEIE <sup>2</sup>	<sup>1</sup> Neuroscience Reseach Center, Tehran, Iran, <sup>2</sup> Neuroscience Research Center (NRC), Iran University of Medical Sciences, Tehran, Iran, Tehran, Iran	P-04-0548
P23.24	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.24 12:40	2019.09.24 14:40	Phenotypic changes of microglia in adult mice brainstem induced by hypercapnia	JAIME EUGENIN <sup>1</sup> , ESTEFANIA IRIBARRA <sup>1</sup> , SEBASTIAN BELTRAN-CASTILLO <sup>2</sup> , DANIELA CÁCERES <sup>3</sup> , ROMMY VON BERNHARD <sup>4</sup>	<sup>1</sup> Universidad de Santiago de Chile (USACH), Santiago, Chile, <sup>2</sup> Pontificia Universidad Católica de Chile, Santiago, Chile	P-04-0535
P24.01	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.24 12:40	2019.09.24 14:40	Ghrelin receptor signaling in dopamine neurons mediates high fat intake in a binge eating model	MARIA CORNEJO <sup>1</sup> , FRANCO BARRILE <sup>1</sup> , GUADALUPE GARCIA ROMERO <sup>2</sup> , DANIELA CASSANO <sup>3</sup> , MARIA JOSE TOLOSA <sup>4</sup> , MIRTA REYNALDO <sup>5</sup> , MARIA FLORENCIA ANDREOLI <sup>6</sup> , MARIO PERELLO <sup>7</sup>	<sup>1</sup> IMBICE, La Plata, Argentina, <sup>2</sup> IDIP, La Plata, Argentina	P-05-0680
P24.02	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.24 12:40	2019.09.24 14:40	A neural basis for the tonic suppression of sodium appetite.	SEAHYUNG PARK <sup>1</sup> , KEVIN WILLIAMS <sup>2</sup> , CHEN LIU <sup>3</sup> , JONG WOO SOHN <sup>1</sup>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of, <sup>2</sup> University of Texas Southwestern Medical Center, Austin, USA	P-05-0657
P24.03	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.24 12:40	2019.09.24 14:40	The bed nucleus of striatum projected to the arcuate nucleus regulates anxiety-like behavior	XIANGLIAN JIA <sup>1</sup> , KANG HUANG <sup>1</sup> , ZHONGHUA LU <sup>1</sup> , LIPING WANG <sup>1</sup>	<sup>1</sup> Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, Shenzhen, China	P-05-0639
P24.04	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.24 12:40	2019.09.24 14:40	Hypothalamic TONEBP regulates leptin action through control of NF-κB activation	DONG HEE KIM <sup>1</sup> , HAN RAE KIM <sup>1</sup> , DASOL KANG <sup>1</sup> , BORA JEONG <sup>1</sup> , KWANG KON KIM <sup>1</sup> , BYUNG JU LEE <sup>1</sup>	<sup>1</sup> University of Ulsan, Ulsan, Korea, Republic of	P-05-0630
P24.05	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.24 12:40	2019.09.24 14:40	Dose-dependent effect of AdipoRon on modulating adult hippocampal neurogenesis and neurocognitive behaviours in mice	HO YIN THOMAS LEE <sup>1</sup> , AHADULLAH <sup>1</sup> , SONATA SUK YU YAU <sup>1</sup> , HO YIN THOMAS LEE <sup>1</sup>	<sup>1</sup> The Hong Kong Polytechnic University, Hong Kong, Hong Kong SAR, China	P-05-0628
P24.06	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.24 12:40	2019.09.24 14:40	A hypothalamic circuit for behavioral thermoregulation	HOE-GON RYU <sup>1</sup> , SIEUN JUUNG <sup>1</sup> , MYUNGSUN LEE <sup>1</sup> , DONG-YOON KIM <sup>1</sup> , GYURYANG HEO <sup>1</sup> , MINYO KIM <sup>1</sup> , JONG WHI PARK <sup>1</sup> , HAN-EOL PARK <sup>1</sup> , DONG-JUN KOO <sup>1</sup> , SUNG-YON KIM <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-05-0613
P24.07	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.24 12:40	2019.09.24 14:40	Phosphorylation of eukaryotic translation initiation factor 2α in AgRP neurons is important in control of whole body energy balance	KWANG KON KIM <sup>1</sup> , JAE GEUN KIM <sup>2</sup> , BYUNG JU LEE <sup>1</sup>	<sup>1</sup> University of Ulsan, Ulsan, Korea, Republic of, <sup>2</sup> Incheon National University, Incheon, Korea, Republic of	P-05-0567
P24.08	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.24 12:40	2019.09.24 14:40	Role of specific phospholipase C beta subtypes in serotonin 2C receptor activation of arcuate POMC neurons	JEEWON CHOI <sup>1</sup> , JONG-WOO SOHN <sup>1</sup>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of	P-05-0561
P24.09	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.24 12:40	2019.09.24 14:40	Studies on the role of insulin signaling in the autonomic nervous system	USU HYUN <sup>1</sup> , JONG-WOO SOHN <sup>1</sup>	<sup>1</sup> Department of Biological Sciences, KAIST, Daejeon, Korea, Republic of	P-05-0558
P24.10	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.24 12:40	2019.09.24 14:40	Role of serotonin 2C receptors expressed by CRH neurons	HOON-SEON YOO <sup>1</sup> , JONG-WOO SOHN <sup>1</sup>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of	P-05-0557
P24.11	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.24 12:40	2019.09.24 14:40	Dissociative symptom and basal cortisol level in patients with PTSD	DONGIL MIN <sup>1</sup> , SEUNG YEON BAIK <sup>1</sup> , AERAN KWON <sup>1</sup> , MIN JIN JIN <sup>1</sup> , YOURIM KIM <sup>1</sup> , SEUNG-HWAN LEE <sup>2</sup>	<sup>1</sup> Clinical Emotion and Cognition Research Laboratory, Goyang-si, Korea, Republic of, <sup>2</sup> Department of Psychiatry, Itan Park Hospital, Inje University College of Medicine, Goyang-si, Korea, Republic of	P-05-0544
P24.12	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.24 12:40	2019.09.24 14:40	Clarifying the brain mechanism underlying the link between social hierarchy and glucose metabolism	RIKAKO UKIHI <sup>1</sup> , YUKARI TAKAHASHI <sup>1</sup> , YAE K. SUGIMURA <sup>1</sup> , FUSAO KATO <sup>2</sup>	<sup>1</sup> Department of Neuroscience, The Jikei University School of Medicine, Tokyo, Japan, <sup>2</sup> Department of Neuroscience, The Jikei University School of Medicine, Tokyo, Japan	P-05-0518
P24.13	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.24 12:40	2019.09.24 14:40	Insulin synthesized in the paraventricular nucleus of the hypothalamus regulates body length by modulating pituitary growth hormone production	KYUNGCHAN KIM <sup>1</sup> , JAEMEUN LEE <sup>1</sup> , JAE HYUN CHO <sup>1</sup> , EUN-KYOUNG KIM <sup>1</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, DGIST, Daegu, Korea, Republic of	P-05-0487
P25.01	Grand Ballroom, 3F	New technology - Neurotool	2019.09.24 12:40	2019.09.24 14:40	Development of improved light sheet thera microscopy for whole brain neuron network imaging	HOONCHUL CHANG <sup>1</sup> , BUMJU KIM <sup>1</sup> , KI HEAN KI HEAN <sup>1</sup>	<sup>1</sup> POSTECH, Pohang, Korea, Republic of	P-07-0970
P25.02	Grand Ballroom, 3F	New technology - Neurotool	2019.09.24 12:40	2019.09.24 14:40	FxClear, a free-hydrogel electrophoretic tissue clearing method for rapid de-lipidation of tissues with high preservation of immunoreactivity	EUNSOO LEE <sup>1</sup> , JYUNGYOON CHOI <sup>1</sup> , JUNE HOAN KIM <sup>1</sup> , WOONG SUN <sup>1</sup>	<sup>1</sup> Korea University College of Medicine, Seoul, Korea, Republic of	P-07-0959
P25.03	Grand Ballroom, 3F	New technology - Neurotool	2019.09.24 12:40	2019.09.24 14:40	High resolution whole brain neuron network imaging by orthogonal light sheet microscopy with focus sweeping.	BUMJU KIM <sup>1</sup> , HOONCHUL CHANG <sup>1</sup> , KI HEAN KIM <sup>1</sup>	<sup>1</sup> POSTECH, Pohang, Korea, Republic of	P-07-0948
P25.04	Grand Ballroom, 3F	New technology - Neurotool	2019.09.24 12:40	2019.09.24 14:40	Volume entropy and maturation of normal rat brain	HWANHEE LEE <sup>1</sup> , SEUNGYUN HA <sup>3</sup> , HONGYOON CHOI <sup>1</sup> , HYEJUN KANG <sup>1</sup> , HYEKYOUNG LEE <sup>2</sup> , SEONHEE LIM <sup>4</sup> , DONG SOO LEE <sup>2</sup>	<sup>1</sup> Department of Nuclear Medicine, Seoul National University Hospital, Seoul, Korea, Republic of, <sup>2</sup> Department of Molecular Medicine and Biopharmaceutical Sciences, Graduate School of Convergence Science and Technology, and College of Medicine or College of Pharmacy, Seoul National University, Seoul, Korea, Republic of, <sup>3</sup> Radiation Medicine Research Institute, Seoul National University College of Medicine, Seoul, Korea, Republic of, <sup>4</sup> Department of Nuclear Medicine, Seoul National University College of Medicine, Seoul, Republic of Korea, Seoul, Korea, Republic of, <sup>5</sup> Department of Mathematical Sciences, Seoul National University, Seoul, Korea, Republic of	P-07-0937
P25.05	Grand Ballroom, 3F	New technology - Neurotool	2019.09.24 12:40	2019.09.24 14:40	Simulation study of implantable magnetic stimulation on a rat brain	KYEONG JAE LEE <sup>1</sup> , SOHEE KIM <sup>1</sup>	<sup>1</sup> Daegu Gyeongbuk Institute of Science and Technology, Daegu, Korea, Republic of	P-07-0933
P25.06	Grand Ballroom, 3F	New technology - Neurotool	2019.09.24 12:40	2019.09.24 14:40	PARIS, an optogenetic method for functionally mapping gap junctions	LING WU <sup>1</sup> , AO DONG <sup>2</sup> , LITING DONG <sup>2</sup> , SHI-QIANG WANG <sup>2</sup> , YULONG LI <sup>1</sup>	<sup>1</sup> Peking University, China, Beijing, China, <sup>2</sup> Peking University, Beijing, China	P-07-0916
P25.07	Grand Ballroom, 3F	New technology - Neurotool	2019.09.24 12:40	2019.09.24 14:40	A specific, sensitive genetically-encoded fluorescent sensor for detecting somatostatin	TONGRUI QIAN <sup>1</sup> , HUAN WANG <sup>1</sup> , YULONG LI <sup>1</sup>	<sup>1</sup> Peking University, Beijing, China	P-07-0907
P25.08	Grand Ballroom, 3F	New technology - Neurotool	2019.09.24 12:40	2019.09.24 14:40	High spatial and temporal resolution differentiation of cortical vessels in nonhuman primate	LIANG ZHU <sup>1</sup> , ZHAOCHONG CAI <sup>2</sup> , MENGQI WANG <sup>1</sup> , ANNA WANG ROE <sup>1</sup> , JUN QIAN <sup>2</sup> , WANG XI <sup>1</sup>	<sup>1</sup> Interdisciplinary Institute of Neuroscience and Technology, Zhejiang University School of Medicine, Hangzhou, China, <sup>2</sup> State Key Laboratory of Modern Optical Instrumentation, Center for Optical and Electromagnetic Research, Joint Research Laboratory of Optics of Zhejiang Normal University and Zhejiang University, Zhejiang University, Hangzhou, China	P-07-0900
P25.09	Grand Ballroom, 3F	New technology - Neurotool	2019.09.24 12:40	2019.09.24 14:40	Generation of neuronal cell type-specific BAC transgenic mouse models for brain mapping	JIWOO KIM <sup>1</sup> , HAYOUNG YANG <sup>1</sup> , HYUNDUK KIM <sup>1</sup> , YUJIN KIM <sup>1</sup> , SUNGBO SHIM <sup>1</sup>	<sup>1</sup> Chungbuk National University, Cheongju, Korea, Republic of	P-07-0892
P25.10	Grand Ballroom, 3F	New technology - Neurotool	2019.09.24 12:40	2019.09.24 14:40	MALDI mass spectrometry imaging of neuroprotective proteins against amyloid beta at a single cell resolution based on micro-scale metal pattern arrays	JAEMYUNG JANG <sup>1</sup> , SEUNGELUN YEO <sup>1</sup> , HYUN JIN JUNG <sup>1</sup> , DASOM KIM <sup>1</sup> , YOUNGSHIK CHOE <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of	P-07-0809
P25.11	Grand Ballroom, 3F	New technology - Neurotool	2019.09.24 12:40	2019.09.24 14:40	An agarose gel-based neurosphere culture system leads to enrichment of neuronal lineage cells in vitro	KYUHEE PARK <sup>1</sup> , YEONJU NAM <sup>1</sup> , YOUNMUN CHOI <sup>2</sup>	<sup>1</sup> Gyeonggido Business & Science Accelerator, Gwanggyo-ro147, Yeongtong-gu, Wuson, Gyeonggi-do, 16229, Republic of Korea, Korea, Republic of, <sup>2</sup> Gyeonggido Business & Science Accelerator, Suwon, Korea, Republic of	P-07-0795
P25.12	Grand Ballroom, 3F	New technology - Neurotool	2019.09.24 12:40	2019.09.24 14:40	Magneto is ineffective in controlling electrical properties of cerebellar Purkinje cells	FANGXIAO XU <sup>1</sup> , LIN ZHOU <sup>1</sup> , YING SHEN <sup>1</sup>	<sup>1</sup> Zhejiang University, Hangzhou, China	P-07-0779

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P25.13	Grand Ballroom, 3F	New technology - Neurotool	2019.09.24 12:40	2019.09.24 14:40	Neural interfaces by hydrogels	XIAOMENG WANG <sup>1</sup> , HAO SHENG <sup>2</sup> , HAO WANG <sup>3</sup>	<sup>1</sup> Zhejiang University, Hangzhou, China, <sup>2</sup> Xi'an Jiaotong University, Xi'an, China	P-07-0778
P25.14	Grand Ballroom, 3F	New technology - Neurotool	2019.09.24 12:40	2019.09.24 14:40	DXplorer: Intelligent and interactive dendritic spine analysis based on 3D morphological features	JUNYOUNG CHOI <sup>1</sup> , SANG-EUN LEE <sup>2</sup> , EUNJI CHO <sup>2</sup> , YUTARO KASHIWAGI <sup>3</sup> , SHIGEO OKABE <sup>3</sup> , SUNGHOE CHANG <sup>4</sup> , WON-KI JEONG <sup>1</sup>	<sup>1</sup> Ulsan National Institute of Science and Technology, Ulsan, Korea, Republic of, <sup>2</sup> Department of Physiology and Biomedical Sciences, Seoul National University College of Medicine, Seoul, Korea, Republic of, <sup>3</sup> Department of Cellular Neurobiology, Graduate School of Medicine, University of Tokyo, Tokyo, Japan	P-07-0758
P25.15	Grand Ballroom, 3F	New technology - Neurotool	2019.09.24 12:40	2019.09.24 14:40	Blind Deconvolution Microscopy Using Cycle Consistent CNN with Explicit PSF Layer	JONG CHUL YE <sup>1</sup> , SEUNGJUN LIM <sup>1</sup>	<sup>1</sup> Korea Advanced Institute of Science and Technology, Daejeon, Korea, Republic of	P-07-0736
P25.16	Grand Ballroom, 3F	New technology - Neurotool	2019.09.24 12:40	2019.09.24 14:40	Functional ultrasound - novel in-vivo imaging technique for pre-clinical CNS drug discovery	DIANA MISZCZUK <sup>1</sup> , ANNA-MARI KARKKAINEN <sup>1</sup> , JUHO KOPONEN <sup>1</sup> , TULLKA MIETTINEN <sup>1</sup> , ARTEM SHATILLO <sup>1</sup>	<sup>1</sup> Charles River Discovery Services, Kuopio, Finland	P-07-0669
P25.17	Grand Ballroom, 3F	New technology - Neurotool	2019.09.24 12:40	2019.09.24 14:40	An improved second generation genetically-encoded dopamine sensor for in vivo studies	YIZHOU ZHUO <sup>1</sup> , FANGMAO SUN <sup>1</sup> , JIANZHONG ZENG <sup>1</sup> , YAJUN ZHANG <sup>1</sup> , MAO JING <sup>1</sup> , JINGHENG ZHOU <sup>1</sup> , JIESI FENG <sup>1</sup> , HUAN WANG <sup>1</sup> , GUOHONG CUI <sup>1</sup> , YULONG LI <sup>1</sup>	<sup>1</sup> State Key Laboratory of Membrane Biology, Peking University School of Life Sciences, PKU-IDG/McGovern Institute for Brain Research, Peking-Tsinghua Center for Life Sciences, Beijing, China, <sup>2</sup> Department of Pharmacology, University of Virginia School of Medicine, Charlottesville, USA, <sup>3</sup> Neurobiology Laboratory, National Institute of Environmental Health Sciences, National Institutes of Health, Research Triangle Park, Durham, USA	P-07-0655
P25.18	Grand Ballroom, 3F	New technology - Neurotool	2019.09.24 12:40	2019.09.24 14:40	Infant skull stripping based on the fuzzy c-means thresholding in T2-weighted magnetic resonance images	HYOUNG BAE <sup>1</sup> , DONGCHAN KIM <sup>1</sup> , SUNKYUE KIM <sup>1</sup> , YEJI HAN <sup>2</sup>	<sup>1</sup> Neuroscience Research Institute, Gachon University, Incheon, Korea, Republic of, <sup>2</sup> Gachon University, Incheon, Korea, Republic of	P-07-0651
P25.19	Grand Ballroom, 3F	New technology - Neurotool	2019.09.24 12:40	2019.09.24 14:40	Identification of neuronal ensembles that promote drug addiction	KEVIN BEIER <sup>1</sup>	<sup>1</sup> University of California, Irvine, Irvine, USA	P-07-0646
P25.20	Grand Ballroom, 3F	New technology - Neurotool	2019.09.24 12:40	2019.09.24 14:40	Multi-adaptable double exponential model for event-related ROI detection in calcium imaging data	JIHO PARK <sup>1</sup> , KYUNGSOO KIM <sup>1</sup> , JU-WOONG CHOI <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of	P-07-0644
P26.01	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	Rab3 interacting molecule 1 (RIM1) gene is transcriptionally regulated by NeuroD1	NARAYAN BASHYAL <sup>1</sup> , TAE-YOUNG LEE <sup>2</sup> , JUNG-MI CHOI <sup>2</sup> , SUNG-SOO KIM <sup>2</sup>	<sup>1</sup> Ajou University, Suwon, Korea, Republic of, <sup>2</sup> Ajou University School of Medicine, Suwon, Korea, Republic of	P-08-0941
P26.02	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	Antibody screening for the investigating the clustering patterns of ion channels in the cortical neurons	EUNA LEE <sup>1</sup> , JUNMO HWANG <sup>2</sup> , HYUNHO LIM <sup>2</sup>	<sup>1</sup> DGIST, KBR1, Daegu, Korea, Republic of, <sup>2</sup> Korea Brain Research Institute, Daegu, Korea, Republic of	P-08-0887
P26.03	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	Synaptic regulation of intrinsic excitability of hippocampal CA3 pyramidal cells: ex-vivo study	KISANG EOM <sup>1</sup> , DONG-GU LEE <sup>1</sup> , WON-KYUNG HO <sup>1</sup> , SUKHO LEE <sup>1</sup>	<sup>1</sup> Seoul National University College of Medicine, Seoul, Korea, Republic of	P-08-0876
P26.04	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	Specific motor learning memory traces are affected by SK2 channels-dependent modulation of excitability in cerebellar Purkinje cells	GIORGIO GRASSELLI <sup>1</sup> , HENK-JAN BOELE <sup>2</sup> , HEATHER K. TITTLE <sup>1</sup> , NORA BRADFORD <sup>1</sup> , LISA VAN BEERS <sup>1</sup> , LINDSEY JAY <sup>1</sup> , CHRIS I. DE ZEEUW <sup>1</sup> , MARTIJN SCHONEVILLE <sup>2</sup> , CHRISTIAN HANSEL <sup>1</sup>	<sup>1</sup> Department of Neurobiology, University of Chicago, Chicago, USA, <sup>2</sup> Department of Neuroscience, Erasmus MC, Rotterdam, Netherlands	P-08-0850
P26.05	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	Lactate enhances NMDA receptor responses via two distinct mechanisms	GABRIEL HERRERA-LOPEZ <sup>1</sup> , FOUAD LEMTIRI-CHLIEH <sup>1</sup> , HANAN MAHMOOD <sup>1</sup> , LORENE MOTTIER <sup>2</sup> , HUBERT FUMELLI <sup>1</sup> , PIERRE J. MAGISTRETTE <sup>1</sup>	<sup>1</sup> Cinvestav-IPN, Mexico City, Mexico, <sup>2</sup> BESE, King Abdullah University of Science and Technology, Thuwal, Saudi Arabia, <sup>3</sup> Department of Neuroscience, UConn Health, Farmington, USA	P-08-0832
P26.06	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	The relation of functional states of dendritic spines with contents of micro-RNA	HYUN JIN KIM <sup>1</sup> , IK-BUM PARK <sup>2</sup> , KI-BONG SUNG <sup>3</sup> , HA-MIN LEE <sup>1</sup> , JUNG HYUN PYO <sup>1</sup> , SOYEON YUN <sup>1</sup> , JOUNG-HUN KIM <sup>1</sup>	<sup>1</sup> Dipt. of Life Sciences, POSTECH, Pohang, Korea, Republic of, <sup>2</sup> Division of Integrative Biosciences and Biotechnology, and Research Institute of Industrial Science and Technology, POSTECH, Pohang, Korea, Republic of	P-08-0796
P26.07	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	The distinct structural and functional heterogeneity of dopamine synapses in the brain	HYUN-JIN KIM <sup>1</sup> , BYUNGJAE HWANG <sup>1</sup> , BYEONG EUN LEE <sup>1</sup> , JIEUN LEE <sup>1</sup> , YOUNGSEON LEE <sup>1</sup> , JUNG-HOON PARK <sup>1</sup> , JAE-IL KIM <sup>1</sup>	<sup>1</sup> UNIST, Ulsan, Korea, Republic of	P-08-0790
P26.08	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	Functional role of the C-terminal domain of Bestrophin-1, a calcium-activated chloride channel	DONG-HYUN KIM <sup>1</sup> , JUNMO HWANG <sup>1</sup> , HYUNHO LIM <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of	P-08-0727
P26.09	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	Deficiency of DRK2 increases the spine density and excitatory synaptic transmission in CA1 neurons	WOO SEOK SONG <sup>1</sup> , SANG HO YOON <sup>1</sup> , SUNG PYO OH <sup>1</sup> , KYEONG-YEOL PARK <sup>1</sup> , MYOUNG-HWAN KIM <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-08-0686
P26.10	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	EGTA can inhibit vesicular release in the 'nanodomains' distance from Ca channels	YUKIHIRO NAKAMURA <sup>1</sup>	<sup>1</sup> Jikei University, Tokyo, Japan	P-08-0685
P26.11	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	Circadian Regulation by REV-ERB $\alpha$ Mediates Hippocampal E-LTP in a Time-dependent Manner	JA EUN CHOI <sup>1</sup> , SOMI KIM <sup>1</sup> , JISU LEE <sup>1</sup> , KYUNGIN KIM <sup>2</sup> , MIN-JEONG KIM <sup>1</sup> , ILGANG HONG <sup>3</sup> , BONG-KIUN KAANG <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Department of Brain and Cognitive Sciences, DGIST, Daegu, Korea, Republic of	P-08-0682
P26.12	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	Age-related shift in the hippocampal synaptic plasticity is dependent on p75 neurotrophin receptor	LIK WEI WONG <sup>1</sup> , WEI LIN <sup>1</sup> , YEE SONG CHONG <sup>1</sup> , SAJKUMAR SREEDHARAN <sup>1</sup>	<sup>1</sup> National University of Singapore, Singapore, Singapore	P-08-0668
P26.13	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	Cellular mechanisms responsible for melanocortin-4 receptor effects in sympathetic preganglionic neurons	SANG-HYEON JU <sup>1</sup> , JONG-WOO SOHN <sup>2</sup>	<sup>1</sup> Graduate School of Medical Science and Engineering, Korea Advanced Institute of Science and Technology, Daejeon, Korea, Republic of, <sup>2</sup> Department of Biological Sciences, Korea Advanced Institute of Science and Technology, Daejeon, Korea, Republic of	P-08-0660
P26.14	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	Neural mechanisms of a novel G $\rho$ L1-1 receptor agonist-mediated appetite suppression	SUJIN YOO <sup>1</sup> , EUNSEON YOO <sup>1</sup> , JONG-WOO SOHN <sup>1</sup>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of	P-08-0658
P26.15	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	Agria as a Presynaptic Differentiation Inducer and Its Proteolytic Regulation by MMPs	MARILYN JANICE OENTARYO <sup>1</sup> , CHI WAI LEE <sup>1</sup>	<sup>1</sup> The University of Hong Kong, Hong Kong SAR, China	P-08-0626
P26.16	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	Role of specific GIRK channel subunits in arcuate NPY/AgRP neurons	YOUNG OH <sup>1</sup> , JONG-WOO SOHN <sup>1</sup>	<sup>1</sup> Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea, Republic of	P-08-0601
P26.17	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	$\beta$ -amyloid preconditioning enhance cellular tolerance towards A $\beta$ -induced toxicity via the BDNF pathway	XIN YI YEO <sup>1</sup> , SEUNG HYUN BAEK <sup>2</sup> , FANG ZHEN WEE <sup>1</sup> , JIONG TANG <sup>1</sup> , SANGYOUNG JUNG <sup>1</sup> , DONG-GYU JO <sup>2</sup>	<sup>1</sup> Singapore Biomaging Consortium (SBIC), A*STAR, Singapore, Singapore, <sup>2</sup> School of Pharmacy, Sungkyunkwan University, Suwon, Korea, Republic of	P-08-0599
P26.18	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	Dopamine D2 Receptors Regulate the Action Potential Threshold by Modulating T-type Calcium Channels in Stellate Cells of the Medial Entorhinal Cortex	ZHUO HUANG <sup>1</sup> , XUEQIN JIN <sup>2</sup>	<sup>1</sup> Peking University, Beijing, China, <sup>2</sup> Peking University, Beijing, China	P-08-0571
P26.19	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	Temporal gating of synaptic competition in the lateral amygdala by cannabinoid receptor modulation of the thalamic input	NATALIA MADEIRA <sup>1</sup> , ANA DRUMOND <sup>1</sup> , ROSALINA FONSECA <sup>1</sup> , ROSALINA FONSECA <sup>1</sup>	<sup>1</sup> NOVA Medical School - Universidade NOVA de Lisboa, Lisbon, Portugal	P-08-0569
P26.21	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	Neur1 and neur2 are required for the regulation of hippocampus-dependent spatial memory and protein-synthesis dependent LTP.	JAHYUN LEE <sup>1</sup> , CHAERY LEE <sup>1</sup> , POJEONG PARK <sup>1</sup> , SOMI KIM <sup>1</sup> , HYE-RYEOON LEE <sup>1</sup> , YESEUL LEE <sup>1</sup> , EUN-HYE JANG <sup>1</sup> , YOUNG-YUN KONG <sup>1</sup> , BONG-KIUN KAANG <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-08-0522
P26.22	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	Molecular Control of the Cholinergic Interneuron Activity in the developing striatum	YADOLLAH BANJAR-SLAMLOO <sup>1</sup> , NOORYA AHMED <sup>1</sup> , LINGXIAO GAO <sup>1</sup> , SHAAM AL ABDI <sup>1</sup> , ALEXANDER ROM-HCHEO-GAUTHIER <sup>1</sup> , YOVINA SONTANI <sup>1</sup> , EHSAN ARABZADEH <sup>1</sup> , NATHALIE DEHORTER <sup>1</sup>	<sup>1</sup> Australian National University, Canberra, Australia	P-08-0498
P26.23	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	Glutamatergic activity modulates presynaptic spatial specificity in C. elegans	WANG MENGQING <sup>1</sup> , ZHIYONG SHAO <sup>1</sup>	<sup>1</sup> Department of Neurosurgery, State Key Laboratory of Medical Neurobiology and MOE Frontiers Center for Brain Science, Institutes of Brain Science, Zhongshan Hospital, Fudan University, Shanghai, 200032, China, Shanghai, China	P-08-0469
P26.24	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	Role of neuronal activity and metaplastic state in homeostatic synaptic plasticity	BYRCE GRIER <sup>1</sup> , VARUN CHOKSHI <sup>2</sup> , ANDREW DYKMAN <sup>2</sup> , CRYSTAL LANTZ <sup>2</sup> , ERNST NEBUR <sup>1</sup> , ELIZABETH QUINLAN <sup>2</sup> , HEY-KYOUNG LEE <sup>1</sup>	<sup>1</sup> Johns Hopkins University School of Medicine, Baltimore, USA, <sup>2</sup> Johns Hopkins University, Baltimore, USA, <sup>3</sup> University of Maryland, College Park, USA	P-08-0429
P26.25	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	Age-related Cognitive Impairment: Role of Reduced Synaptobrevin-2 Levels in the Decline of Learning and Memory and Changes in Neurotransmission	FERENC DEAK <sup>1</sup> , ALBERT OROCK <sup>1</sup> , SREEMATHI LOGAN <sup>1</sup>	<sup>1</sup> Univ. Oklahoma HSC, Oklahoma City, USA	P-08-0428
P26.26	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.24 12:40	2019.09.24 14:40	Peripheral nerve injury induces rapid turnover of cortical NCAM1 and synaptic reorganization	JIL KIM <sup>1</sup> , HYOUNG-GON KO <sup>1</sup> , JUN-HYEOK CHOI <sup>1</sup> , DONG IK PARK <sup>2</sup> , SUKJAE KANG <sup>3</sup> , CHAE-SEOK LIM <sup>1</sup> , SU-EON SIM <sup>1</sup> , JAEHOON SHIM <sup>1</sup> , SIYONG KIM <sup>1</sup> , TAE-HYEOK CHOI <sup>1</sup> , SANGHUN YE <sup>1</sup> , JAEHYUN LEE <sup>1</sup> , POJEONG PARK <sup>1</sup> , SOMI KIM <sup>1</sup> , JEEHAEN DO <sup>1</sup> , JIHYE PARK <sup>1</sup> , ARIFUL ISLAM <sup>1</sup> , HYUN JEONG KIM <sup>1</sup> , CHRISTOPH TURCK <sup>2</sup> , GRAHAM COLLINGSRIDGE <sup>3</sup> , MIN ZHUO <sup>3</sup> , JIAH LEE <sup>1</sup> , BONG-KIUN KAANG <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Max Planck Institute of Psychiatry, Munich, Germany, <sup>3</sup> University of Toronto, Toronto, Canada	P-08-0395
P27.01	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.24 12:40	2019.09.24 14:40	Characterization of prefrontal projections to dorsomedial striatal compartments.	KYUNHYUN CHOI <sup>1</sup> , SARA SEYEDROUBARI <sup>1</sup> , MARC FUCILLO <sup>1</sup>	<sup>1</sup> University of Pennsylvania, Philadelphia, USA	P-09-1159
P27.02	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.24 12:40	2019.09.24 14:40	Network connectivity associated with delusion in patients with schizophrenia	MINJI HA <sup>1</sup> , TAE YOUNG LEE <sup>2</sup> , JUN SOO KWON <sup>2</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, Seoul National University College of Natural Science, Seoul, Korea, Republic of, <sup>2</sup> Department of Psychiatry, Seoul National University College of Medicine, Seoul, Korea, Republic of	P-09-1144
P27.03	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.24 12:40	2019.09.24 14:40	Nucleus accumbens may contain neural representation of morphine withdrawal syndrome related behaviors.	AMIR-MOHAMMAD ALIZADEH <sup>1</sup> , ABBAS HAGH-PARAST <sup>1</sup> , MOHAMMAD ISMAIL ZIBAFI <sup>1</sup> , SHOLEH JAMALI <sup>1</sup>	<sup>1</sup> Shahid Beheshti University/Neuroscience Research Center, Tehran, Iran, <sup>2</sup> Shahid Beheshti University/Laser and Plasma Research Institute, Tehran, Iran	P-09-1124
P27.04	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.24 12:40	2019.09.24 14:40	Altered functional connectivity of prefrontal cortex in healthy elderly and Alzheimer's disease patient during a verbal fluency task: an fNIRS study	MINHEE KIM <sup>1</sup> , THIEN NGUYEN <sup>1</sup> , BYEONG C. KIM <sup>2</sup> , JEONGHWAN GWAK <sup>1</sup> , JANG JAE LEE <sup>1</sup> , KYU YEONG CHOI <sup>1</sup> , KUN HO LEE <sup>1</sup> , JAE GWAN KIM <sup>1</sup>	<sup>1</sup> Department of Biomedical Science and Engineering, GIST, Gwangju, Korea, Republic of, <sup>2</sup> Department of Neurology, Chonnam National University Medical School, Gwangju, Korea, Republic of, <sup>3</sup> Department of Software, Korea National University of Transportation, Chungju, Korea, Republic of, <sup>4</sup> Department of Biomedical Science, Chosun University, Gwangju, Korea, Republic of	P-09-1096
P27.05	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.24 12:40	2019.09.24 14:40	Dopamine ramping as a prediction error signal in the presence of dynamic sensory cues	HYUNGOO KIM <sup>1</sup> , NAOSHIGE UCHIGAE <sup>1</sup>	<sup>1</sup> Harvard University, Cambridge, USA	P-09-1068
P27.06	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.24 12:40	2019.09.24 14:40	Identification of transcriptomic changes during brain aging and neurodegeneration using interaction-based Support Vector Machine model	TIBOR NANASI <sup>1</sup> , ISTVAN ULBERT <sup>1</sup> , TONY WYSS-CORAY <sup>2</sup> , BENOIT LEHALIER <sup>3</sup>	<sup>1</sup> MTA-TTK, Budapest, Hungary, <sup>2</sup> Stanford University, VA Palo Alto Health Care System, Stanford, CA, Palo Alto, CA, USA, <sup>3</sup> Stanford University, Stanford, CA, USA	P-09-1052
P27.07	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.24 12:40	2019.09.24 14:40	Study of the gap junction network in C. elegans	TAEGON CHUNG <sup>1</sup> , JEAHYUNG HEO <sup>1</sup> , KYUNGWON PARK <sup>1</sup> , SANGYEOL KIM <sup>1</sup> , IKSOO CHANG <sup>1</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, Daegu Gyeongsang Institute of Science and Technology, Daegu, Korea, Republic of	P-09-1031
P27.08	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.24 12:40	2019.09.24 14:40	Decline of unidirectional alpha connections in the aging brain	BILINT FILE <sup>1</sup> , BRIGITTA TÖTH <sup>2</sup> , ZSÓFIA KARDOS <sup>2</sup> , ROLAND BOHÁ <sup>2</sup> , ISTVÁN ULBERT <sup>1</sup> , ZOLTÁN SOMOGYVÁRI <sup>1</sup> , MÁRK MOLNÁR <sup>2</sup>	<sup>1</sup> Pázmány Péter Catholic University, Budapest, Hungary, <sup>2</sup> Institute of Cognitive Neuroscience and Psychology, RCHS, HAS, Budapest, Hungary, <sup>3</sup> Wigner Research Centre for Physics, HAS, Budapest, Hungary	P-09-0996
P27.09	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.24 12:40	2019.09.24 14:40	Neural control of high nutrient induced morning activity peak delay in Drosophila	SANG HYUK LEE <sup>1</sup> , EUNJOO CHO <sup>1</sup> , EUN YOUNG KIM <sup>1</sup>	<sup>1</sup> Ajou University, suwon, Korea, Republic of	P-09-0938
P27.10	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.24 12:40	2019.09.24 14:40	Universality in the transition to lissencephaly for cortical morphology across length scales for individual human cortices	BRUNO MOTA <sup>1</sup> , YULIANG WANG <sup>2</sup>	<sup>1</sup> UFPR, Rio de Janeiro, Brazil, <sup>2</sup> Newcastle University, Newcastle, UK	P-09-0932
P27.11	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.24 12:40	2019.09.24 14:40	Vasoactive intestinal peptide regulates the expression patterns of corticotrophin-releasing hormone (CRH) in the paraventricular nucleus	IMAH PARK <sup>1</sup> , JEONGHAH KIM <sup>1</sup> , DOYEON KIM <sup>2</sup> , SANGWON JANG <sup>3</sup> , KYOUNG KU <sup>1</sup> , MIJUNG CHOI <sup>1</sup> , YOUNGSHIK CHOE <sup>3</sup> , KYUNGIN KIM <sup>1</sup>	<sup>1</sup> Daegu Gyeongbuk Institute of Science and Technology (DGIST), Daegu, Korea, Republic of, <sup>2</sup> Seoul National University, Seoul, Korea, Republic of, <sup>3</sup> Korea Brain Research Institute (KBR1), Daegu, Korea, Republic of	P-09-0926

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P27.12	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.24 12:40	2019.09.24 14:40	Universal control of diverse aggressive behaviors by the posterior substantia innominata	ZHENGGANG ZHU <sup>1</sup> , YANQIN YU <sup>1</sup> , SHUMIN DUAN <sup>1</sup>	<sup>1</sup> Zhejiang University, Hangzhou, China	P-09-0917
P27.13	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.24 12:40	2019.09.24 14:40	Social context modulates auditory activity in a songbird VTA/SNc	SHIN YANAGIHARA <sup>1</sup> , MAKI IKEBUCHI <sup>2</sup> , CHIHIRO MORI <sup>1</sup> , RYOSUKE O. TACHIBANA <sup>1</sup> , KAZUO OKANOYA <sup>1</sup>	<sup>1</sup> The University of Tokyo, Tokyo, Japan, <sup>2</sup> RIKEN, Wako-Shi, Japan	P-09-0868
P27.14	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.24 12:40	2019.09.24 14:40	Emerging spatial representations in hippocampal neurons in mice navigating in virtual reality	NURI JEONG <sup>1</sup> , STEPHANIE PRINCE <sup>1</sup> , ABIGAIL PAULSON <sup>1</sup> , LU ZHANG <sup>1</sup> , MATTHEW ATTKAREN <sup>1</sup> , ANNABELLE SINGER <sup>1</sup>	<sup>1</sup> Coulter Dept. of Biomedical Engineering, Georgia Institute of Technology and Emory School of Medicine, Atlanta, USA	P-09-0859
P27.15	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.24 12:40	2019.09.24 14:40	The alteration of brain connectivity in frontal lobe epilepsy patients based on the alpha band analysis after vagal nerve stimulation	ZHI-JI WANG <sup>1</sup> , BAO-HUA ZHU <sup>1</sup> , EUN-SEONG KIM <sup>1</sup> , JUN-GE LIANG <sup>1</sup> , YUN-JUNG HUR <sup>1</sup> , DONG-PYO LEE <sup>1</sup> , HEUNG-DONG KIM <sup>1</sup> , NAM-YOUNG KIM <sup>1</sup>	<sup>1</sup> RFIC Center, Kwangwoon University, Seoul, Korea, Republic of, <sup>2</sup> RFIC Center, Kwangwoon University, Jiangnan University, Seoul, Wuxi, China, <sup>3</sup> Department of Pediatrics, Haeundae Paik Hospital, Inje University College of Medicine, Pusan, Korea, Republic of, <sup>4</sup> Epilepsy Research Institute, Yonsei University, College of Medicine, Seoul, Korea, Republic of, <sup>5</sup> Epilepsy Research Institute, Yonsei University, College of Medicine, Department of Pediatrics, Pediatric Epilepsy Clinic, Severance Children's Hospital, Yonsei University College of Medicine, Seoul, Korea, Republic of	P-09-0804
P27.16	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.24 12:40	2019.09.24 14:40	Identification of epileptogenic zone based on network-connectivity analysis derived from the frequency spectrum of the recorded EEG	ZHI-JI WANG <sup>1</sup> , EUN-SEONG KIM <sup>1</sup> , JUN-GE LIANG <sup>1</sup> , YUN-JUNG HUR <sup>1</sup> , DONG-PYO LEE <sup>1</sup> , HEUNG-DONG KIM <sup>1</sup> , NAM-YOUNG KIM <sup>1</sup>	<sup>1</sup> RFIC Center, Kwangwoon University, Seoul, Korea, Republic of, <sup>2</sup> RFIC Center, Kwangwoon University, Jiangnan University, Seoul, Wuxi, China, <sup>3</sup> Department of Pediatrics, Haeundae Paik Hospital, Inje University College of Medicine, Pusan, Korea, Republic of, <sup>4</sup> Epilepsy Research Institute, Yonsei University, College of Medicine, Seoul, Korea, Republic of, <sup>5</sup> Epilepsy Research Institute, Yonsei University, College of Medicine, Department of Pediatrics, Pediatric Epilepsy Clinic, Severance Children's Hospital, Yonsei University College of Medicine, Seoul, Korea, Republic of	P-09-0803
P27.17	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.24 12:40	2019.09.24 14:40	Modeling the Effects of Cortisol in Serotonergic-Kynurenic Pathways in the Etiology of Depressive Behavior	FELIPE DALVI-GARCIA <sup>1</sup> , LUIS LOPES DA FONSECA <sup>1</sup> , CECILIA HEDIN-PEREIRA <sup>1</sup> , ANA TEREZA RIBEIRO DE VASCONCELOS <sup>2</sup> , EBERHARD VOIT <sup>3</sup>	<sup>1</sup> National Laboratory for Scientific Computing, Petropolis, Brazil, <sup>2</sup> National Laboratory of Scientific Computing, Petropolis, Brazil, <sup>3</sup> Georgia Institute of Technology, Atlanta, USA, <sup>4</sup> Federal University of Rio de Janeiro, Rio de Janeiro, Brazil	P-09-0786
P27.18	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.24 12:40	2019.09.24 14:40	Responses to hypercapnia and hypoxia of neurons in the cardio-respiratory center of the ventral medulla of newborn rats	HIROSHI ONIMARU <sup>1</sup> , KEIKO IKEDA <sup>2</sup> , HIROYUKI IGARASHI <sup>3</sup> , HIROMU YAWO <sup>4</sup> , KAZUTO KOBAYASHI <sup>5</sup> , SATORU ARATA <sup>6</sup> , KIYOSHI KAWAKAMI <sup>7</sup> , MASAAHIKO IZUMIZAKI <sup>8</sup>	<sup>1</sup> Showa University, 1-5-8 Hatanodai, Shinagawa-ku, Tokyo, Japan, <sup>2</sup> Department of Physiology, International University of Health and Welfare (IUHW), 4-3 Kozunomori, Naita City, Chiba 286-8686, Japan, <sup>3</sup> Department of Physiology and Pharmacology, Schulich School of Medicine and Dentistry, Robarts Research Institute, Western University, London, Ontario, N6A 5B7, Canada, <sup>4</sup> The Institute for Solid State Physics, The University of Tokyo, Kashiba 777-8551, Japan, <sup>5</sup> Dept Mol Genet. (Inst Bio Sic.) Fukushima Med Univ, Fukushima, Japan, <sup>6</sup> Department of Biochemistry, Faculty of Arts and Sciences, Showa University, Fujiyoshida, Yamanshi 403-0005, Japan, <sup>7</sup> Division of Biology, Center for Molecular Medicine, Jichi Medical University, Shimotsuke, Tochigi 329-0498, Japan, <sup>8</sup> Department of Physiology, Showa University School of Medicine, Tokyo 142-8555, Japan	P-09-0772
P27.19	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.24 12:40	2019.09.24 14:40	Effect of cannabinoids in prefrontal on effort-based decision making mediates via the change in p-CREB and p-GSK3	ZAHRA FATAHIVANANI <sup>1</sup> , ABBAS HAGHPARAST <sup>1</sup>	<sup>1</sup> Shahid Beheshti University of Medical Science, Tehran, Iran, Tehran, Iran	P-09-0681
P27.20	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.24 12:40	2019.09.24 14:40	Computational analysis of damaging rnsNP in Human STXBP1 gene involved in early infantile epileptic encephalopathy: molecular modeling and dynamics study	AL MEHDI KRAMI <sup>1</sup> , RACHIDA ROKY <sup>2</sup> , ABDELHAMID BARAKAT <sup>3</sup> , HALIMA NAHLI <sup>3</sup>	<sup>1</sup> Laboratory of Physiology and Molecular Genetics, Department of Biology, Faculty of Sciences Ain Chock / Laboratory of Genomics and Human Genetics, Institut Pasteur du Maroc, 20360, Casablanca, Morocco, <sup>2</sup> Laboratory of Physiology and Molecular Genetics, Department of Biology, Faculty of Sciences Ain Chock, casablanca, Morocco, <sup>3</sup> Laboratory of Genomics and Human Genetics, Institut Pasteur du Maroc, 20360, Casablanca, Morocco, casablanca, Morocco	P-09-0672
P27.21	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.24 12:40	2019.09.24 14:40	Lipidomics of human brain regions	ANNA TKACHEV <sup>1</sup> , EKATERINA KHRAMEEVA <sup>1</sup> , MARIA OSETROVA <sup>1</sup> , PHILIPP KHAITOVICH <sup>1</sup>	<sup>1</sup> Skolkov Institute of Science and Technology, Moscow, Russia	P-09-0641
P27.22	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.24 12:40	2019.09.24 14:40	Traumatic memory engram cells replay in the resting state of a conscious mouse	KSENIYA TOROPOVA <sup>1</sup> , OLGA IVASHKINA <sup>1</sup> , ANNA GRUZDEVA <sup>1</sup> , ANNA IVANOVA <sup>2</sup> , ELENA KONNOVALOVA <sup>3</sup> , DMITRY IVASHKIN <sup>4</sup> , ALEKSEY IVANITSKY <sup>4</sup> , KONSTANTIN ANOKHIN <sup>5</sup>	<sup>1</sup> Institute of Advanced Brain Studies MSU; NRC Kurchatov Institute, Moscow, Russia, <sup>2</sup> NRC Kurchatov Institute, Moscow, Russia, <sup>3</sup> Anokhin Institute of Normal Physiology, Moscow, Russia, <sup>4</sup> Institute of Higher Nervous Activity and Neurophysiology of RAS, Moscow, Russia, <sup>5</sup> Institute of Advanced Brain Studies MSU; Anokhin Institute of Normal Physiology, Moscow, Russia	P-09-0615
P27.23	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.24 12:40	2019.09.24 14:40	Studies On The Lateralization Of Mouse Insular Cortex In Mediating Aversive Behavior	KAI QIAN <sup>1</sup> , YU WU <sup>1</sup> , SHUANG QIU <sup>1</sup>	<sup>1</sup> Zhejiang university, Hangzhou, China	P-09-0595
P27.24	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.24 12:40	2019.09.24 14:40	Cortical propagation of slow-oscillation-associated waves unveiled by fast time fMRI scanning	FELIPE AEDO JURV <sup>1</sup> , DIRK CLEPPEN <sup>2</sup> , LARA HAMZEHOUPUR <sup>3</sup> , ALBRECHT STROH <sup>4</sup>	<sup>1</sup> Institute of Pathophysiology - University Medical Center Mainz, Mainz, Germany, <sup>2</sup> German Resilience Center, Mainz, Germany, <sup>3</sup> Institute of Pathophysiology - University Medical Center Mainz / German Resilience Center, Mainz, Germany	P-09-0570
P28.01	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	Luminance signals in the human brain	JEROME SANES <sup>1</sup> , SHAI SABBAGH <sup>2</sup> , MICHAEL WORDEN <sup>1</sup> , DAVID BERSON <sup>1</sup>	<sup>1</sup> Brown University, Providence, USA, <sup>2</sup> Hebrew University Jerusalem, Jerusalem, Israel	P-10-1071
P28.02	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	Modulation of nociception by social bonds in the monogamous rodent: c-Fos expression in the brain "pain matrix" under conditions of inflammatory pain.	TAKAHIRO OKUDA <sup>1</sup> , YOJI OSAKO <sup>2</sup> , KOU TAKAHASHI <sup>2</sup> , KENJIRO TANAKA <sup>3</sup> , TAKAO OKABE <sup>4</sup> , HIDEAKI TAKEYASHI <sup>5</sup> , LARRY YOUNG <sup>6</sup> , TAKAHIRO USHIDA <sup>5</sup> , KAZUNARI YURI <sup>7</sup>	<sup>1</sup> Department of Physical Therapy, Tosa Rehabilitation College, Kochi, Japan, <sup>2</sup> Department of Neurobiology and Anatomy, Kochi Medical School, Kochi University, Kochi, Japan, <sup>3</sup> Department of Physical Therapy, Tosa Rehabilitation College, Kochi, Japan, <sup>4</sup> Center for Translational Social Neuroscience, Yerkes National Primate Center, Emory University School of Medicine, Atlanta, USA, <sup>5</sup> Multidisciplinary Pain Center, Aichi Medical University, Aichi, Japan	P-10-1060
P28.03	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	Neuroimaging evidence for auditory motion velocity discrimination	I-HUI HSIEH <sup>1</sup> , CHAO-AN MENG <sup>1</sup>	<sup>1</sup> National Central University, Jhongli City, Taiwan, China	P-10-1055
P28.04	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	Electrical activity evoked by 10kHz spinal cord stimulation on superficial dorsal horn neurons in neuropathic pain rats	DONGCHUL LEE <sup>1</sup> , KWAN YEOP LEE <sup>2</sup> , KERRY BRADLEY <sup>3</sup> , DAVID SPANSHWICK <sup>4</sup>	<sup>1</sup> Neuro Corp, Redwood city, USA, <sup>2</sup> Neuro, Redwood city, USA, <sup>3</sup> University of Warwick, Warwick, UK	P-10-0919
P28.05	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	FMRamide-related neuropeptide FLP-12 regulate head locomotion of C. elegans	DO-YOUNG KIM <sup>1</sup> , CHUNGYU PARK <sup>1</sup> , KYUNGMIN MOON <sup>1</sup> , JINMAHN KIM <sup>1</sup> , KYUHYUNG KIM <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of	P-10-0903
P28.06	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	Analysis of neural signals recorded from substantia nigra pars compacta for brain machine interface in freely moving rat	HAE-YONG PARK <sup>1</sup> , SEONGJIN HER <sup>2</sup> , CHIN SU KOH <sup>3</sup> , HWAN GON LEE <sup>4</sup> , IN SEOK SEO <sup>5</sup> , KYUNG HWAN KIM <sup>6</sup> , JIN WOO CHANG <sup>7</sup> , HYUNG-CHEUL SHIN <sup>8</sup>	<sup>1</sup> Department of Physiology, College of Medicine, Hallym University, Chuncheon, Korea, Republic of, <sup>2</sup> Department of Biomedical Engineering, College of Health Science, Yonsei University, Wonju, Korea, Republic of, <sup>3</sup> Department of Neurosurgery, College of Medicine, Yonsei University, Seoul, Korea, Republic of, <sup>4</sup> Department of Physical Education, Hallym University, Chuncheon, Korea, Republic of	P-10-0894
P28.07	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	Central processing of itch in the midbrain reward center	XIN-YU SU <sup>1</sup> , MING CHEN <sup>1</sup> , TIAN-LE XU <sup>1</sup>	<sup>1</sup> Collaborative Innovation Center for Brain Science, Department of Anatomy and Physiology, Shanghai Jiao Tong University School of Medicine, Shanghai 200025, China, Shanghai, China, <sup>2</sup> Human Institute, ShanghaiTech University, Shanghai 201210, China, Shanghai, China	P-10-0890
P28.08	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	Machine-Learning Based Automatic and Real-time Detection of Mouse Scratching Behaviors	KYEONGHO LEE <sup>1</sup> , INGYU PARK <sup>3</sup> , KAUSIK BISHAYEE <sup>4</sup> , UNJOO LEE <sup>2</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, DGIST, Daegu 42988, Daegu, Korea, Republic of, <sup>2</sup> Department of Electrical Engineering, Hallym University, Chuncheon 24252, Chuncheon, Korea, Republic of, <sup>3</sup> Department of Electrical Engineering, Hallym University, Chuncheon 24252, Chuncheon, Korea, Republic of, <sup>4</sup> Department of Pharmacology, College of Medicine, Hallym University, Chuncheon 24252, Chuncheon, Korea, Republic of	P-10-0889
P28.09	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	Odor-taste multisensory integration in Drosophila	HONGPING WEI <sup>1</sup> , HOKTO KAZAMA <sup>1</sup> , HOKTO KAZAMA <sup>1</sup>	<sup>1</sup> Center for Brain Science, RIKEN, Japan, Saitama, Japan	P-10-0863
P28.10	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	Positive Impact of Enriching the Environment during Development on the Mouse Visual System	CHRISTIAN CASANOVA <sup>1</sup> , STEPHANIE HO-TRAN <sup>1</sup> , ANTHIA ROJEWSKI <sup>1</sup> , SOLENN TISSIER <sup>1</sup> , SAMUEL BÉLANGER <sup>1</sup> , OLIVIA BIBOLLET-BAHENA <sup>1</sup>	<sup>1</sup> University of Montreal, Montreal, Canada	P-10-0854
P28.11	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	Serotonin 1B receptors are involved in presynaptic inhibition of proprioceptive afferent transmission to jaw-closing motoneurons	TOMOINOUE <sup>1</sup> , AI NAGATA <sup>2</sup> , KIYOMI NAKAYAMA <sup>3</sup> , SHIRO NAKAMURA <sup>4</sup> , AYAKO MOCHIZUKI <sup>5</sup> , MASANORI TAKATSU <sup>1</sup> , KOUTARO MAKI <sup>6</sup>	<sup>1</sup> Department of Oral Physiology, Showa University School of Dentistry, Tokyo, Japan, <sup>2</sup> Department of Orthodontics, Showa University School of Dentistry, Tokyo, Japan	P-10-0834
P28.12	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	Effect of C. Sprogenese-derived metabolites on the circadian rhythm of Period2 and Bmal1 expression	KYOJUN KU <sup>1</sup> , INAH PARK <sup>2</sup> , JEONGAH KIM <sup>2</sup> , DOYEON KIM <sup>2</sup> , SANGWON JANG <sup>2</sup> , MIJUNG CHOI <sup>2</sup> , HAN KYOUNG CHOE <sup>2</sup> , KYUNGIN KIM <sup>1</sup>	<sup>1</sup> Daegu Gyeongbuk Institute of Science and Technology, Daegu, Korea, Republic of, <sup>2</sup> Department of Brain and Cognitive Sciences, Daegu Gyeongbuk Institute of Science and Technology (DGIST), Daegu, Korea, Republic of, <sup>3</sup> Interdisciplinary Program in Neuroscience, College of Natural Sciences, Seoul National University, Seoul, Korea, Republic of	P-10-0819
P28.13	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	Dysregulated miR-18b by MITF promotes CTGF expression in DM1	KYUNG WON CHOI <sup>1</sup> , JUNG JOON SUNG <sup>1</sup>	<sup>1</sup> Seoul Nation University Hospital, Seoul, Korea, Republic of	P-10-0792
P28.14	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	Gait selection of Caenorhabditis elegans is regulated by mechanosensitive DEG/ENAC channels	KYEONG MIN MOON <sup>1</sup> , JINMAHN KIM <sup>1</sup> , JIHYE YEON <sup>1</sup> , KYUHYUNG KIM <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of	P-10-0791
P28.15	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	Audio-motor and visual-motor synchronization in healthy children and children with cerebellum lesions	ANASTASIA KOVALEVA <sup>1</sup> , VICTOR ANISIMOV <sup>2</sup> , MARINA SHURUPOVA <sup>2</sup>	<sup>1</sup> Anokhin Research Institute of Normal Physiology, Moscow, Russia, <sup>2</sup> Lomonosov Moscow State University, Moscow, Russia	P-10-0782
P28.16	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	Prior expectation reduces the trial-by-trial variation of pursuit direction and interneuronal correlations in macaque area MT	JEONGJUN PARK <sup>1</sup> , SEOLMIN KIM <sup>2</sup> , JOONYEOL LEE <sup>2</sup>	<sup>1</sup> Sungkyunkwan University, suwon-si, Korea, Republic of, <sup>2</sup> Sungkyunkwan University, Suwon-si, Korea, Republic of	P-10-0773
P28.17	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	Effect of local hypothermia of the spinal cord on the motor evoked potentials of the hindlimb muscles after spinal cord injury in rat	DINARA SILANTYEVA <sup>1</sup> , EKATERINA LOBAN <sup>1</sup> , MARIA RAIMOVA <sup>1</sup> , TATYANA BALTINA <sup>1</sup>	<sup>1</sup> Kazan Federal University, Kazan, Russia	P-10-0757
P28.18	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	Efferent projections of granular insular cortex receiving proprioception from jaw-closing muscle spindles	FUMHIKO SATO <sup>1</sup> , YUMI TSUTSUMI <sup>1</sup> , HARUKA OHARA <sup>1</sup> , YUME UEMURA <sup>1</sup> , TAKAHIRO FURUTA <sup>1</sup> , ATSUSHI YOSHIDA <sup>1</sup>	<sup>1</sup> Department of Oral Anatomy and Neurobiology, Graduate School of Dentistry, Osaka University, Suita, Japan	P-10-0751
P28.19	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	cIAP1 may be involved in survival of the olfactory system	SUNJU LEE <sup>1</sup> , SUN AE MOON <sup>1</sup> , SO YEUN KIM <sup>1</sup> , CHEIL MOON <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of	P-10-0735
P28.20	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	The gap-pre-pulse inhibition of the acoustic startle reflex: statistics, criticism and future applications	ACHIM SCHILLING <sup>1</sup> , PATRICK KRAUSS <sup>1</sup> , KONSTANTIN TZIRIDIS <sup>1</sup> , HOLGER SCHULZE <sup>1</sup>	<sup>1</sup> Experimental Otolaryngology, Neuroscience Group, University Hospital Erlangen, Erlangen, Germany	P-10-0734

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P28.21	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	Functionally associated classification of human olfactory receptor superfamily in the function associated manner	JYUN CHOE <sup>1</sup> , SANG EUN RYU <sup>1</sup> , JISUB BAE <sup>1</sup> , TAMMY SHIM <sup>1</sup> , CHEIL MOON <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of	P-10-0730
P28.22	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	Haptic, visual, auditory surface texture perception	JUNSU KIM <sup>1</sup> , YOSUP SO <sup>1</sup> , HYEONJEONG LEE <sup>1</sup> , JAE-HWAN KANG <sup>1</sup>	<sup>1</sup> Institute for Basic Science, Suwon, Korea, Republic of	P-10-0726
P28.23	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	Dorsal and ventral processing streams of somatosensory system in human	SEOKYUN RYUN <sup>1</sup> , MINKYU KIM <sup>2</sup> , JUNE SIC KIM <sup>1</sup> , CHUN KEE CHUNG <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Seoul National University, Seoul, Korea, Republic of	P-10-0687
P28.24	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	The olfactory bulb contributes to the accommodation of odor responses: The input-output transformation.	LAWRENCE COHEN <sup>1</sup> , DOUGLAS STORAGE <sup>2</sup>	<sup>1</sup> Yale and KIST, New Haven and Seoul, USA, <sup>2</sup> Florida State University, Tallahassee, USA	P-10-0674
P28.25	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	Programmed Death-1 ligand 1 downregulates TRPV1 function in Dorsal root ganglion neurons and alleviates mice bone cancer pain	CAO QILAI <sup>1</sup> , ZHANG YU-QIU <sup>1</sup>	<sup>1</sup> Fudan University, Shanghai, China	P-10-0667
P28.26	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	Analysis of tongue strength and swallowing in COPD and Healthy Ageing	ISABELLA EPIU <sup>1</sup> , CLAIRE BOSWELL-RUYS <sup>1</sup> , SIMON GANDAVIA <sup>2</sup> , JANE BUTLER <sup>1</sup> , ANNA HUDSON <sup>2</sup>	<sup>1</sup> Neuroscience Research Australia - UNSW, Sydney, Australia, <sup>2</sup> Neuroscience Research Australia, Sydney, Australia	P-10-0609
P28.27	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	Ocular torsion and vertical divergence: A joint motor output for multisensory balance integration in the roll plane	TOBIAS WIBBLE <sup>1</sup> , TONY PANSELL <sup>1</sup>	<sup>1</sup> Karolinska Institutet, Stockholm, Sweden	P-10-0605
P28.28	Grand Ballroom, 3F	Sensory and motor systems	2019.09.24 12:40	2019.09.24 14:40	Effect of chronic alcohol consumption on visual stimulus onset and offset in the rat visual cortex and lateral geniculate nucleus	OSVALDAS RUKSENAS <sup>1</sup> , REDAS DULINSKAS <sup>1</sup>	<sup>1</sup> Vilnius University, Vilnius, Lithuania	P-10-0603
P29.01	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Behavioral changes after nicotine challenge are associated with $\alpha 7$ nicotinic acetylcholine receptor stimulated glutamate release in the rat dorsal striatum	SUMIN SOHN <sup>1</sup> , IN SOO RYU <sup>2</sup> , JU HWAN YANG <sup>2</sup> , JIEUN KIM <sup>1</sup> , SUNGHYUN KIM <sup>1</sup> , EUN SANG CHOE <sup>1</sup>	<sup>1</sup> Department of Biological Sciences, Pusan National University, Busan, Korea, Republic of, <sup>2</sup> Research Center for Safety Pharmacology, Korea Institute of Toxicology, Daejeon, Korea, Republic of	P-11-1070
P29.02	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Integrated proteomics approach for understanding of Alzheimer's disease	JONG HYUK YOON <sup>1</sup> , DAYEA KIM <sup>2</sup> , JAEYOON KIM <sup>3</sup> , HYEONGJOO LEE <sup>4</sup> , JAEWANG GHIM <sup>5</sup> , BYUNG JUN KANG <sup>6</sup> , PARKYOUNG SONG <sup>7</sup> , SUNG HO RYU <sup>8</sup> , TAEHOON G. LEE <sup>4</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of, <sup>2</sup> Daegu-Gyeongsang Medical Innovation Foundation, Daegu, Korea, Republic of, <sup>3</sup> Yonsei University, Seoul, Korea, Republic of, <sup>4</sup> NovoCell Technology, Inc., Pohang, Korea, Republic of	P-11-1062
P29.03	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Regulatory effects of histone deacetylase inhibitors on Schwann cell growth and axonal regeneration	KI-JOONG KIM <sup>1</sup> , UK NAMGUNG <sup>1</sup>	<sup>1</sup> Daejeon University, Daejeon, Korea, Republic of	P-11-1056
P29.04	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Searching for Neural Circuits involved in Courtship Behavior and Ovipositor Extension in <i>Drosophila Melanogaster</i>	HSIAOCHI CHENG <sup>1</sup> , TSUNG-HAN KUO <sup>1</sup>	<sup>1</sup> National Tsing Hua University, Taiwan, Hsinchu, Taiwan, China	P-11-1054
P29.05	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Coenzyme Q10 Influences on the Levels of TNF- $\alpha$ and IL-10 and the Ratio of Bax/Bcl2 in a Menopausal Rat Model Following Lumbar Spinal Cord Injury	MARYAM SOLEIMANI <sup>1</sup> , SEYED BEHNAMIN JAMEIE <sup>2</sup> , SAJAD HASSANZADEH <sup>3</sup>	<sup>1</sup> Department of Medical Basic Sciences, University of Social Welfare and Rehabilitation Sciences, Tehran, Iran, Tehran, Iran, <sup>2</sup> Neuroscience Research Center (NRC), Iran University of Medical Sciences, Tehran, Iran, Tehran, Iran	P-11-1050
P29.06	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Continuous speech-evoked EEG signals reveal dominant components in spoken sentence comprehension	TRANG LE THI <sup>1</sup> , YOUNGMIN NA <sup>1</sup> , MINJAE JEON <sup>1</sup> , JIHWAN WOO <sup>1</sup>	<sup>1</sup> Department of Biomedical Engineering, University of Ulsan, Ulsan, Korea, Republic of	P-11-0994
P29.07	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	High-throughput epitope profiling of antibodies in the plasma of Alzheimer's disease patients using random peptide microarrays	KYU-YOUNG SIM <sup>1</sup> , KUN HO LEE <sup>2</sup> , SANG-HEON PARK <sup>1</sup> , KYU YEONG CHOI <sup>3</sup> , JUNG EUN PARK <sup>2</sup> , JUNG SUP LEE <sup>2</sup> , BYEONG C. KIM <sup>4</sup> , JEONGHWAN GWAK <sup>5</sup> , WOO KEUN SONG <sup>1</sup> , SUNG-GYOO PARK <sup>1</sup>	<sup>1</sup> Gwangju Institute of Technology and Science, Gwangju, Korea, Republic of, <sup>2</sup> National Research Center for Dementia, Chosun University, Department of Biomedical Science and BK21-plus Research Team for Bioactive Control Technology, Chosun University, Gwangju, Korea, Republic of, <sup>3</sup> National Research Center for Dementia, Chosun University, Gwangju, Korea, Republic of, <sup>4</sup> National Research Center for Dementia, Chosun University, Chosun University, Department of Neurology, Chonnam National University Medical School, Gwangju, Korea, Republic of, <sup>5</sup> Biomedical Research Institute & Department of Radiology, Seoul National University Hospital, Seoul, Korea, Republic of	P-11-0990
P29.08	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Effect of ethanol leaf extract of <i>Moringa oleifera</i> on oxidative enzymes, nitric granules and histomorphology of inferior colliculus following quinine toxicity in Wistar rats	IDORENYIN UMOH <sup>1</sup> , THERESA EKANEM <sup>2</sup> , JUSTINA UDOTONG <sup>1</sup> , HERBERT MBAGWU <sup>1</sup>	<sup>1</sup> University of Uyo, Uyo, Nigeria, <sup>2</sup> University of Calabar, Calabar, Nigeria	P-11-0972
P29.09	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Sympathetic activity mediates extra-medullary erythropoiesis in the primate vascular system of heart failure rats	PAN DONG RYU <sup>1</sup> , YIMING SHEN <sup>1</sup>	<sup>1</sup> Department of Veterinary Pharmacology, College of Veterinary Medicine and Research Institute for Veterinary Science, Seoul National University, Seoul 08626, Republic of Korea, Seoul, Korea, Republic of	P-11-0962
P29.10	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Hemodynamic correlation imaging of the mouse brain for application in unilateral neurodegenerative diseases	SEUNG-HO PAIK <sup>1</sup> , YOUNGWOON CHOI <sup>1</sup> , ZEPHANIAH PHILLIPS V <sup>1</sup> , BEOP-MIN KIM <sup>1</sup>	<sup>1</sup> KOREA University, Seoul, Korea, Republic of	P-11-0913
P29.11	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Beneficial effects of hMSC treatment in LPS-induced animal model of cerebellar ataxia	DONGYEONG YOON <sup>1</sup> , KYONGHO SUK <sup>2</sup> , JUNGWAN HONG <sup>3</sup> , SANG RYONG KIM <sup>1,3</sup>	<sup>1</sup> School of Life Sciences, BK21 plus KNU Creative BioResearch Group, Kyungpook National University, Daegu 41566, Republic of Korea, <sup>2</sup> Department of Pharmacology, BK21 plus KNU Biomedical Convergence Program, School of Medicine, Kyungpook National University, Daegu 41944, Republic of Korea, <sup>3</sup> Brain Science and Engineering Institute, Kyungpook National University, Daegu 41944, Republic of Korea	P-11-0912
P29.12	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	The effect of social environment on the health of <i>Drosophila</i>	SHENG-HAO WANG <sup>1</sup> , PIN-YUN SHEN <sup>2</sup> , YI-LIN CHEN <sup>2</sup> , YU-CHIAO LIN <sup>1</sup> , TSUNG-HAN KUO <sup>1</sup>	<sup>1</sup> National Tsing Hua University, Hsinchu, Taiwan, China, <sup>2</sup> National Hsinchu Girls' Senior High School, Hsinchu, Taiwan, China	P-11-0906
P29.13	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Classification of Parkinson's Disease Using Resting-State Hemodynamic Signals and Convolutional Neural Network	SHIN-YOUNG KANG <sup>1</sup> , YOUNGWOON CHOI <sup>1</sup> , SEUNG-HO PAIK <sup>1</sup> , ZEPHANIAH PHILLIPS V <sup>1</sup> , BEOP-MIN KIM <sup>1</sup>	<sup>1</sup> Korea University, Seoul, Korea, Republic of	P-11-0902
P29.14	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Social environment mediates lifespan and physiology in <i>Drosophila</i>	YU-CHIAO LIN <sup>1</sup> , SHENG-HAO WANG <sup>1</sup> , PIN-YUN SHEN <sup>2</sup> , YI-LIN CHEN <sup>2</sup> , TSUNG-HAN KUO <sup>1</sup>	<sup>1</sup> National Tsing Hua University, Hsinchu, Taiwan, China, <sup>2</sup> National Hsinchu Girls' Senior High School, Hsinchu, Taiwan, China	P-11-0893
P29.15	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Therapy for Neuroblastoma Using Aptamer-miRNA / siRNA Conjugates Targeting the LPAR Pathway	HEEYOUNG PARK <sup>1</sup> , ALI SADRA <sup>1</sup> , SUNG-OH HUH <sup>1</sup>	<sup>1</sup> Department of Pharmacology, College of Medicine, Institute of Natural Medicine, Hallym University, Chuncheon, Gangwon-do, 24252, Republic of Korea, Chuncheon, Korea, Republic of	P-11-0878
P29.16	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Impact of IDH1 mutation on long-term survival in Mongolian patients with diffuse brain glioma	ENKHEE OCHIRJAV <sup>1</sup> , TUUL BALDANDORJ <sup>1</sup> , GHEEYOUNG CHOE <sup>2</sup> , BAYARMAA ENKHBAT <sup>1</sup>	<sup>1</sup> Mongolian National University of Medical Sciences, Ulaanbaatar, Mongolia, <sup>2</sup> Seoul National University Bundang Hospital, Seongnam, Korea, Republic of	P-11-0856
P29.17	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Exploring the ligand efficacy and signal transduction of Cannabinoid Receptor 1 (CB1) using Molecular Dynamics simulations	SANG HO JI <sup>1</sup> , SANG WON JUNG <sup>1</sup> , WOOKYUNG YU <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of	P-11-0848
P29.18	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Targeting the Difficult-to-Drug CD71 and MYCN with Gambogic Acid and Vorinostat in a Class of Neuroblastomas	KAUSIK BISHAYEE <sup>1</sup> , VINAY DUBEY <sup>1</sup> , ALI SADRA <sup>1</sup> , SUNG-OH HUH <sup>1</sup>	<sup>1</sup> Department of Pharmacology, College of Medicine, Institute of Natural Medicine, Hallym University, South Korea, Chuncheon, Korea, Republic of	P-11-0831
P29.19	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Aquilaria Lignum extract attenuates brain injury by hippocampal oxidative stress in chronic restraint mice	SUNG BAE LEE <sup>1</sup> , CHANG GUE SON <sup>1</sup>	<sup>1</sup> Institute of Traditional Medicine and Bioscience, Daejeon University, Daejeon, Korea, Republic of	P-11-0830
P29.20	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Plasma contact factors as novel diagnostic biomarkers for Alzheimer's disease	JUNG EUN PARK <sup>1</sup> , DO SUNG LIM <sup>1</sup> , YEONG HEE CHO <sup>2</sup> , KYU YEONG CHOI <sup>1</sup> , JANG JAE LEE <sup>1</sup> , BYEONG C. KIM <sup>1</sup> , KUN HO LEE <sup>1</sup> , JUNG SUP LEE <sup>1</sup>	<sup>1</sup> Chosun University, Gwangju, Korea, Republic of, <sup>2</sup> Chonnam National University Medical School, Gwangju, Korea, Republic of	P-11-0828
P29.21	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Characterization of Molecular Mechanisms underlying Voltage-Gated Ca <sup>2+</sup> Channel Modulation by DREADD	YOUNG-SEOK KIM <sup>1</sup> , BYUNG-CHANG SUH <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of	P-11-0800
P29.22	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Rapid resensitization of ASIC2a is conferred by three amino acid residues in the N-terminus	JAE SEUNG LEE <sup>1</sup> , HAE-JIN KWEEON <sup>1</sup> , BYUNG-CHANG SUH <sup>1</sup> , HYOSANG LEE <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of	P-11-0793
P29.23	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Effects of mGluR5 knockout on acute NMDA receptor antagonist-induced changes in glucose metabolism: an [ <sup>18</sup> F]FDG microPET and MRS study	YO-HAN JOO <sup>1</sup> , YUN-KWAN KIM <sup>1</sup> , IN-GYU CHOI <sup>1</sup> , YI-SEUL CHOE <sup>1</sup> , YOUNG-DON SON <sup>2</sup> , HANG-KEUN KIM <sup>1</sup> , HYEONJUN KIM <sup>1</sup> , JONG-HOON KIM <sup>2</sup>	<sup>1</sup> Neuroscience Research Institute, Gachon University, Incheon, Korea, Republic of, <sup>2</sup> Department of Psychiatry, Gachon University College of Medicine, Gil Medical Center, Neuroscience Research Institute, Gachon University, Incheon, Korea, Republic of, <sup>3</sup> Department of Biomedical Engineering, College of Health Science, Neuroscience Research Institute, Gachon University, Incheon, Korea, Republic of, <sup>4</sup> Department of Radiology, Seoul National University Hospital, Seoul, Korea, Republic of	P-11-0781
P29.24	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Association between human <i>in vivo</i> metabotropic glutamate receptor-5 availability and white matter microstructural integrity: A [ <sup>18</sup> F]CJABP688 PET and diffusion tensor imaging study	JONG-HOON KIM <sup>1</sup> , SONG-E KIM <sup>2</sup> , YO-HAN JOO <sup>2</sup> , YOUNG-DON SON <sup>2</sup> , SANG-YOON LEE <sup>2</sup> , HANG-KEUN KIM <sup>3</sup>	<sup>1</sup> Department of Psychiatry, Gachon University College of Medicine, Gil Medical Center, Neuroscience Research Institute, Gachon University, Incheon, Korea, Republic of, <sup>2</sup> Department of Biomedical Engineering, College of Health Science, Neuroscience Research Institute, Gachon University, Incheon, Korea, Republic of, <sup>3</sup> Department of Neuroscience, Gachon University College of Medicine, Neuroscience Research Institute, Gachon University, Incheon, Korea, Republic of	P-11-0760
P29.25	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Functional networks study of Gc protein using coevolution analysis	MINJAE SEO <sup>1</sup> , WOOKYUNG YU <sup>1</sup>	<sup>1</sup> DGIST(Daegu gyeongbuk institute of science & technology), DAEGU, Korea, Republic of	P-11-0750
P29.26	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	LTP induces translocation of MAP2 to dendritic spines of hippocampal neurons	YOONJU KIM <sup>1</sup> , KEA JOO LEE <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of	P-11-0742
P29.27	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Development of a novel amyloid specific gadolinium contrast agent for MR imaging modality in alzheimer's disease mouse brain	AHRUM BAEK <sup>1</sup> , GARAM CHOI <sup>2</sup> , HEE-KYUNG KIM <sup>1</sup> , YONGMIN CHANG <sup>1</sup>	<sup>1</sup> Kyungpook national university, Daegu, Korea, Republic of, <sup>2</sup> Myungmoon Bio. Co., Ltd., Daegu, Korea, Republic of	P-11-0732
P29.28	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Analysis of immune alterations and their relationship to bacterial infection after stroke	MINHA KIM <sup>1</sup> , YUREE LIM <sup>1</sup> , YENA OH <sup>1</sup> , MYUNG-SHIN JEON <sup>1</sup>	<sup>1</sup> Inha University/College of Medicine/Translational Research Center, Inha University Hospital, Incheon, Korea, Republic of	P-11-0722
P29.29	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Ischemic damage on neural retina is induced by unilateral common carotid artery occlusion	DEOKHO LEE <sup>1</sup> , KI YOUNG YOON <sup>2</sup> , HYUN BEOM SONG <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Seoul National University, Seoul, Korea, Republic of	P-11-0705
P29.30	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Transduced Tat-CIAPIN1 protects dopaminergic neuronal cells from MPP <sup>+</sup> and MPTP-induced damage	YEONJOO CHOI <sup>1</sup> , DAE WON KIM <sup>2</sup> , MIN JEA SHIN <sup>1</sup> , JINSEU PARK <sup>1</sup> , KYU HYUNG HAN <sup>1</sup> , SUNG-WOO CHO <sup>2</sup> , WON SIK EUM <sup>1</sup> , SOO YOUNG CHOI <sup>1</sup>	<sup>1</sup> Hallym University, Chuncheon, Korea, Republic of, <sup>2</sup> Gangneung-Wonju National University, Gangneung, Korea, Republic of, <sup>3</sup> University of Ulsan College of Medicine, Seoul, Korea, Republic of	P-11-0659
P29.31	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Advanced trap lateral flow immunoassay sensor for the detection of cortisol in human body fluids	HYUN-KYUNG OH <sup>1</sup> , GYEO-RE HAN <sup>1</sup> , MIN-GON KIM <sup>1</sup>	<sup>1</sup> Gwangju Institute of Science and Technology, Gwangju, Korea, Republic of	P-11-0652
P29.32	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Low-intensity, Kilohertz Frequency Spinal Cord Stimulation Differentially Affects Excitatory and Inhibitory Neurons in the Rodent Superficial Dorsal Horn	KWAN-YEOP LEE <sup>1</sup> , CHILMAN BAE <sup>2</sup> , JUN-HO LA <sup>2</sup> , DONGCHUL LEE <sup>1</sup> , ZACK KAGAN <sup>3</sup> , KERRY BRADLEY <sup>1</sup>	<sup>1</sup> Neuro Corp, Redwood city, USA, <sup>2</sup> Department of Neuroscience, Cell Biology, and Anatomy, University of Texas Medical Branch, Galveston, USA	P-11-0649
P29.33	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	<i>Rauwolfia vomitoria</i> Alzet <sup>®</sup> root bark extract affects behaviour and brain microstructures	MOSES EKONG <sup>1</sup> , MOKUTIMA ELUWA <sup>2</sup> , MONDAY AKPANABIATU <sup>1</sup> , THERESA EKANEM <sup>3</sup>	<sup>1</sup> University of Uyo, Uyo, Nigeria, <sup>2</sup> University of Calabar, Calabar, Nigeria	P-11-0640
P29.34	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Effects of <i>Nigella arvensis</i> (black seed) on the brain of mice exposed to environmental pollutant toluene	SHEENA TIONS <sup>1</sup> , NUR LISA MOHD YUSOFF <sup>2</sup> , DURRIYYAH SHARIFAH HASAN ADL <sup>3</sup>	<sup>1</sup> University of Malaya, Kuala Lumpur, Malaysia, <sup>2</sup> University of Malaya, Kuala Lumpur, Malaysia, <sup>3</sup> University of Malaya, Kuala Lumpur, Malaysia	P-11-0637
P29.35	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Immunohistochemical Assessment of the Effect of Cofidine Containing Cough Medication On The Prefrontal Cortex And Cerebellum of Wistar Rats	THERESA EKANEM <sup>1</sup> , VICTOR ARCHIBONG <sup>2</sup> , ANOZENG IGIRI <sup>4</sup>	<sup>1</sup> University of Calabar, Cross River State, Nigeria, Calabar, Nigeria, <sup>2</sup> Department of Anatomical Sciences, Faculty of Basic Medical Sciences, University of Calabar, Calabar, Nigeria, <sup>3</sup> Department of Anatomy, Faculty of Biomedical Sciences, Kampala International University, Ishaka, Uganda, <sup>4</sup> Department of Anatomical Sciences, Faculty of Basic Medical Sciences, University of Calabar, Calabar, Nigeria	P-11-0598

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P29.36	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	A modulated microwave on-chip probe system for brain stimulation	SEONGWOO OH <sup>1</sup> , JINHYUN KIM <sup>2</sup> , JEIWOON CHO <sup>2</sup> , JUNGSEUK OH <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Catholic Kwandong University, Gangneung-si, Korea, Republic of	P-11-0588
P29.37	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Neuronal circuit of spxin 1/2 neurons and its role of spxin 1 in the zebrafish habenula	HYUNG JONG <sup>1</sup> , EUNMI KIM <sup>1</sup> , SUHYUN KIM <sup>1</sup> , JAE YOUNG SEONG <sup>2</sup> , HAE-CHUL PARK <sup>1</sup>	<sup>1</sup> Korea University, Ansan, Korea, Republic of, <sup>2</sup> Korea University, Seoul, Korea, Republic of	P-11-0586
P29.38	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Post-translational modulation of O-linked β-N-acetylglucosamine (O-GlcNAcylation) regulates autophagic activity and autophagosome formation in mouse cortical astrocytes	MD. ATAUR RAHMAN <sup>1</sup> , HONGIK HWANG <sup>1</sup> , YOONJEONG CHO <sup>2</sup> , HYEYHON RHM <sup>1</sup>	<sup>1</sup> Korea Institute of Science and Technology (KIST), Seoul, Korea, Republic of, <sup>2</sup> Korea Institute of Science and Technology (KIST), and Division of Bio-Medical Science and Technology, KIST School, Korea University of Science and Technology (UST) Seoul 02792, Republic of Korea, Seoul, Korea, Republic of	P-11-0580
P29.39	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Gene expression changes in the spinal cord segments following contusion spinal cord injury and its implications in gene therapy	SANKAR VENKATACHALAM <sup>1</sup> , FELICIA MARY MICHAEL <sup>1</sup> , PREEJA CHANDRAN <sup>1</sup> , KHAVIYAA CHANDRAMOHAN <sup>1</sup> , KRITHIKA IYER <sup>1</sup>	<sup>1</sup> Department of Anatomy, University of Madras, Chennai, India	P-11-0579
P29.40	Grand Ballroom, 3F	Others	2019.09.24 12:40	2019.09.24 14:40	Plasma biomarker panel for brain Aβ deposition in Alzheimer's disease	SUNHO HAN <sup>1</sup> , JONG-CHAN PARK <sup>1</sup> , HANGYEORE LEE <sup>2</sup> , HYOBEON JEONG <sup>3</sup> , MIN SOO SYUN <sup>1</sup> , JINGI BAE <sup>2</sup> , HOKELIN KIM <sup>1</sup> , DAHYUN YI <sup>1</sup> , YU KYEONG KIM <sup>1</sup> , SEONG A SHIN <sup>1</sup> , DONG YOUNG LEE <sup>2</sup> , DAHEE HWANG <sup>2</sup> , SANG-WON LEE <sup>2</sup> , INHEE MOOK-JUNG <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Korea University, Seoul, Korea, Republic of, <sup>3</sup> Genome Biology Unit, Helmholtz, Korea, Republic of, <sup>4</sup> SMG-SNU Boramae Medical Center, Seoul, Korea, Republic of, <sup>5</sup> Seoul National University Hospital, Seoul, Korea, Republic of	P-11-0560
P30.01	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	MAO-B inhibitor improves memory functions in the mouse model of post-operative cognitive decline	SUNGHO MAENG <sup>1</sup> , MINSU YOU <sup>1</sup> , JUNHYUK CHOI <sup>1</sup> , WOORI BAE <sup>1</sup> , GAELL HAN <sup>1</sup> , SEUNG-YUN CHA <sup>1</sup> , JEONGHUN LEE <sup>1</sup>	<sup>1</sup> Graduate School of East-West Medical Science, Kyung-Hee University, Yongin, Korea, Republic of	P-01-1482
P30.02	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Alteration of GABA transporter impairs cognitive behavior in Sting knockout mice	SHIRANJIVI NEUPANE <sup>1</sup> , RAMESH SHARMA <sup>1</sup> , HYUN JIN SHIN <sup>1</sup> , SU EUN PARK <sup>1</sup> , JIN BONG PARK <sup>1</sup>	<sup>1</sup> Department of Medical Sciences, Department of BK21 Plus, School of Medicine, Chungnam National University, Daejeon, Korea, Republic of	P-01-1497
P30.03	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	The submissive state is tuned by the habenulo-interpedunculo-median raphe pathway and is overridden by activation of the 5HT neurons in the median raphe.	MIHO MATSUMATA <sup>1</sup> , KENZO HIRAO <sup>2</sup> , TAKUMA KOBAYASHI <sup>1</sup> , TAKU SUGIYAMA <sup>2</sup> , YUKI KOBAYASHI <sup>1</sup> , ARTHUR HUANG <sup>3</sup> , THOMAS MCHUGH <sup>3</sup> , SHIGEYOSHI ITOHARA <sup>4</sup> , HITOSHI OKAMOTO <sup>3</sup>	<sup>1</sup> Hiroshima Univ., Hiroshima, Hiroshima, Japan, <sup>2</sup> RIKEN Center for Brain Science (CBS), Wako, Saitama, Japan	P-01-1498
P30.04	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Asymmetric P300 features in Alzheimer's disease may be related to cognitive decline - An EEG study	EUNPYO KIM <sup>1</sup> , SEHYEON JANG <sup>1</sup> , JEONGHWAN GWAK <sup>1</sup> , KYU YEONG CHOI <sup>1</sup> , BYEONG C. KIM <sup>2</sup> , JONG-IN SONG <sup>1</sup> , KUN HO LEE <sup>1</sup> , SUNG CHAN JUN <sup>1</sup>	<sup>1</sup> School of Electrical Engineering and Computer Science, Gwangju Institute of Science and Technology, Gwangju, Korea, Republic of, <sup>2</sup> Biomedical Research Institute & Department of Radiology, Seoul National University Hospital (SNUH), Seoul, Korea, Republic of, <sup>3</sup> National Research Center for Dementia, Chosun University, Department of Biomedical Science, Chosun University, Gwangju, Korea, Republic of, <sup>4</sup> Department of Neurology, Chonnam National University Medical School, National Research Center for Dementia, Chosun University, Gwangju, Korea, Republic of, <sup>5</sup> National Research Center for Dementia, Chosun University, Department of Biomedical Science, Chosun University, BK21-plus Research Team for Bioactive Control Technology, Chosun University, Gwangju, Korea, Republic of	P-01-1501
P30.05	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Lateral orbitofrontal cortex is associated with human cognitive dynamics in the congruency sequence effect	NAN LI <sup>1</sup> , KANG CHENG <sup>1</sup> , R ALLEN WAGGONER <sup>1</sup> , KEIJI TANAKA <sup>1</sup>	<sup>1</sup> RIKEN, Wako, Japan	P-01-1502
P30.06	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	The effect of audio-visual stimulation on sleep quality	HYEYOUN JOO <sup>1</sup> , HYUNWOO NAM <sup>2</sup> , DAE LIM KOO <sup>2</sup> , JEH-KWANG RYU <sup>1</sup> , SUNKYUE KIM <sup>2</sup> , KYOUNG-MIN LEE <sup>2</sup>	<sup>1</sup> Interdisciplinary program in Cognitive Science, Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Department of Neurology, Seoul National University Hospital, Seoul National University College of Medicine, Seoul, Korea, Republic of, <sup>3</sup> Department of Neurology, Boramae Medical Center, Seoul National University College of Medicine, Seoul, Korea, Republic of, <sup>4</sup> Institution for Cognitive Science, Seoul National University, Seoul, Korea, Republic of, <sup>5</sup> Neuroscience Research Institute, Gachon University, Incheon, Korea, Republic of	P-01-1504
P30.07	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Disociable PFC activity and attentional modulation in response to two kinds of affective arousal	HANEUL SONG <sup>1</sup> , SANG AH LEE <sup>1</sup>	<sup>1</sup> Korea Advanced Institute of Science and Technology, Daejeon, Korea, Republic of	P-01-1510
P30.08	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Improved sleep-wake behavior after gamma entrainment with acoustic stimulation in a mouse model of Alzheimer's disease	MINCHEOL PARK <sup>1</sup> , SEUNGSUN RYU <sup>1</sup> , JUHO LEE <sup>1</sup> , JIEUN JUNG <sup>1</sup> , TAE KIM <sup>1</sup>	<sup>1</sup> Gwangju Institute of Science and Technology, Gwangju, Korea, Republic of	P-01-1512
P30.09	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Mathematical approach on social hierarchical behaviors with eBRAIN(The novel system for research of collective animals)	CHAE WOO KIM <sup>1,2</sup> , JISOO KIM <sup>1,2</sup> , WOSEUP YOUNG <sup>1</sup> , SUNG Q LEE <sup>1</sup> , JEE HYUN CHOI <sup>1,2</sup>	<sup>1</sup> Korea Institute of Science and Technology, Seoul, Korea, Republic of, <sup>2</sup> University of Science and Technology, Seoul, Korea, Republic of, <sup>3</sup> Korea University, Seoul, Korea, Republic of, <sup>4</sup> Electronics and Telecommunications Research Institute., Daejeon, Korea, Republic of	P-01-1515
P30.10	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	The effect of chemo-genetic inhibition of an alcohol-context encoding neuronal ensemble in the ventral subiculum on context-induced relapse, after punishment imposed abstinence in rats.	JENNIFER VAN KLAVEREN <sup>1</sup> , NATHAN MARCHANT <sup>2</sup> , DUSTIN SCHEITERS <sup>3</sup> , MICHEL VAN DEN OEVER <sup>4</sup> , MARIANA PINTO DE MATOS <sup>5</sup> , TACO DE VRIES <sup>6</sup>	<sup>1</sup> University of Amsterdam/ Dept. of Anatomy & Neurosciences, VU University Medical Center, Amsterdam, Netherlands, <sup>2</sup> Dept. of Anatomy & Neurosciences, VU University Medical Center, Amsterdam, Netherlands, <sup>3</sup> Dept. of Molecular and Cellular Neurobiology, Center for Neurogenetics and Cognitive Research, Neuroscience campus Amsterdam, VU University Amsterdam, Amsterdam, Netherlands	P-01-1516
P30.11	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Typical development of statistical learning for anticipatory pursuit eye movements	CHRISTINE DERUELLE <sup>1</sup> , ALICE ROBIN <sup>1</sup> , CHLOÉ PASTUREL <sup>1</sup> , ANNA MONTAGNINI <sup>1</sup> , GUILLAUME MASSON <sup>1</sup>	<sup>1</sup> Institut de Neurosciences de la Timone, Aix-Marseille Université & CNRS, Marseille, France	P-01-1523
P30.12	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Regulation of memory maintenance	PAVEL BALABAN <sup>1</sup>	<sup>1</sup> Institute of Higher Nervous Activity & Neurophysiology, Moscow, Russia	P-01-1525
P30.13	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Relative Effects of Body Postion and Spatial Cognition on Presence When Playing Virtual Reality Games	AELKE KIM <sup>1</sup> , KYOUNG-MIN LEE <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-01-1530
P30.14	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Improving Attention Level through Interactive Neurofeedback Game	HYUNJI KIM <sup>1</sup> , S. KIM <sup>1</sup> , E. LEE <sup>1</sup> , K. WON <sup>2</sup> , S. C. JUN <sup>2</sup> , MINKYU AHN <sup>1</sup>	<sup>1</sup> Handong Global University, Pohang, Korea, Republic of, <sup>2</sup> Gwangju Institute of Science and Technology, Gwangju, Korea, Republic of	P-01-1537
P30.15	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Behavioural Study on Stress-induced Modulation of Cognitive Flexibility in the Hippocampus	JAE-YOUNG JOO <sup>1</sup> , JI-WOO CHOI <sup>1</sup> , JOON-GYU HEO <sup>1</sup> , SEUNG-MI OH <sup>1</sup> , YOUNG-MI LEE <sup>1</sup> , SEO-JIN OH <sup>1</sup> , YUN-GWON YEO <sup>1</sup> , YONG-SEOK OH <sup>2</sup>	<sup>1</sup> School of Undergraduate Studies, Daegu-Gyeongbuk Institute of Science and Technology (DGIST), Daegu, Korea, Republic of, <sup>2</sup> Molecular Psychiatry Laboratory, Department of Brain-Cognitive Science, Daegu-Gyeongbuk Institute of Science and Technology (DGIST), Daegu, Korea, Republic of	P-01-1544
P30.16	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Influence of transcranial direct current stimulation on inhibition related oscillatory brain activity	BERNIS SUTCUBASI <sup>1</sup> , EMINE ELIF ULUY <sup>1</sup> , ZEYNEP KUCUK <sup>1</sup> , ZEYNEP TARMAN <sup>1</sup> , BARIS METIN <sup>1</sup> , BERNA SARIF <sup>1</sup> , BERNA SARI <sup>1</sup>	<sup>1</sup> Uskudar University, Istanbul, Turkey, <sup>2</sup> Department of Psychology, Uskudar University, Istanbul, Turkey, <sup>3</sup> Technology Transfer Office, Uskudar University, Istanbul, Turkey, <sup>4</sup> Innovative Center of Applied Neurosciences, Istinye University, Istanbul, Turkey	P-01-1545
P30.17	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	The involvement of EAAC1 in Early-life stress induced Depression-like behavior	RAN-SOOK WOO <sup>1</sup> , HAN BYEOL KIM <sup>1</sup> , JI-YOUNG YOO <sup>1</sup> , SEUNG-YEON YOO <sup>1</sup> , JUN-HO LEE <sup>2</sup>	<sup>1</sup> Eulji University, Daejeon, Korea, Republic of, <sup>2</sup> Daejeon University, Daejeon, Korea, Republic of	P-01-1547
P30.18	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	A COMPARATIVE STUDY OF NEUROCOGNITIVE SIDE-EFFECTS OF VARIOUS TREATMENTS FOR CHILDHOOD EPILEPSY IN ZAMBIA.	RAVI PAUL <sup>1</sup> , SUSAN CHUNGU <sup>2</sup>	<sup>1</sup> University of Zambia, Lusaka, Zambia, <sup>2</sup> University of Zambia, Lusaka, Zambia	P-01-1551
P30.19	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Effect of listening to high arousal music with different valences on reaction time and interference control: Evidence from Simon task	MOHAMED SOBEHH <sup>1</sup> , GURKAN ÖZTÜRK <sup>2</sup> , MOHAMED HAMED <sup>3</sup>	<sup>1</sup> Regenerative and Restorative Medical Research Center, Istanbul Medipol University, Turkey, <sup>2</sup> Neuroscience and Biotechnology program, Faculty of Science, Alexandria University, Egypt, Cairo, Egypt, <sup>3</sup> Professor of Physiology, International School of Medicine, Istanbul Medipol University, Turkey, <sup>4</sup> Regenerative and Restorative Medical Research Center, Istanbul Medipol University, Turkey, Istanbul, Turkey, <sup>5</sup> MD of Neurology, Faculty of Medicine, Al-Azhar University, Cairo, Egypt	P-01-1553
P30.20	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Beneficial effects of environmental enrichment on substrate utilization and neurobehavioral functions	SOONIL PYO <sup>1</sup> , SUK-YOUNG SONG <sup>1</sup> , JI HEA YU <sup>2</sup> , JUNG HWA SEO <sup>2</sup> , YOON-KYUM SHIN <sup>1</sup> , SOHYUN WI <sup>2</sup> , AHEUM BAEK <sup>2</sup> , BAE-GEUN NAM <sup>1</sup> , EUNJU CHO <sup>1</sup> , SEONGMOON JO <sup>1</sup> , JEONGHYUN HEO <sup>1</sup> , SUNG-RAE CHO <sup>2</sup>	<sup>1</sup> Brain Korea 21 PLUS Project for Medical Science, Yonsei University, Seoul, Republic of Korea, Seoul, Korea, Republic of, <sup>2</sup> Department and Research Institute of Rehabilitation Medicine, Yonsei University College of Medicine, Seoul, Korea, Republic of, <sup>3</sup> Graduate Program of Nano Science and Technology, Yonsei University, Seoul, Republic of Korea, Seoul, Korea, Republic of	P-01-1554
P30.21	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	The CIC-type chloride channel CLH-1 regulates gustatory learning in the nematode C. elegans	CHANHYUN PARK <sup>1</sup> , YUKI SAKURAI <sup>1</sup> , SHINJI KANDA <sup>1</sup> , YUICHI IINO <sup>1</sup> , HIROFUMI KUNITOMO <sup>1</sup>	<sup>1</sup> Department of Biological Sciences, The University of Tokyo, Tokyo, Japan	P-01-1557
P30.22	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Scalp Acupuncture for Post-stroke Cognitive Impairment: A Systematic Review and Meta-Analysis	HUI ZHANG <sup>1</sup> , MICHELLE PARK <sup>2</sup> , YONGMEI YAN <sup>1</sup> , MIKALA C OSAN <sup>3</sup> , RAVEENDHARA R BANNU <sup>4</sup> , CHENCHEN WANG <sup>2</sup>	<sup>1</sup> Shaanxi University of Chinese Medicine, Xianyang, China, <sup>2</sup> Tufts University School of Medicine, Boston, Massachusetts, United States, Boston, USA, <sup>3</sup> Center for Treatment Comparison and Integrative Analysis, Division of Rheumatology, Tufts Medical Center, Boston, Massachusetts, United States, Boston, USA	P-01-1558
P30.23	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Neg1 KO mice show socially submissive phenotype when co-housed with wild-type mice	KEEBUM PARK <sup>1</sup> , KYUNGLIM NOH <sup>1</sup> , SUNG JOONG LEE <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-01-1569
P30.24	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Discrimination learning using USV is affected by the biologically prepared associations between USVs and pleasure/distress	SHIOMI HAKATAYA <sup>1</sup> , YUMI SAITO <sup>1</sup> , NORIKO KATSU <sup>1</sup> , MAKIKO KAMIJO <sup>1</sup> , SHOKO YUKI <sup>1</sup> , KAZUO OKANOYA <sup>1</sup>	<sup>1</sup> The University of Tokyo, Tokyo, Japan, <sup>2</sup> Doshisha University, Kyoto, Japan	P-01-1571
P30.25	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Vitamin B1 deficiency impairs hippocampal dependent memory through brain inflammation and hippocampal degeneration followed by down-regulation of CREB signaling	RYUHEI TSUJII <sup>1</sup> , TAKUYA KISHIMOTO <sup>1</sup> , KAN NAGATA <sup>1</sup> , TAMAE WATANABE <sup>1</sup> , SATOSHI KIDA <sup>2</sup>	<sup>1</sup> Department of Bioscience, Tokyo University of Agriculture, Tokyo, Japan, <sup>2</sup> Graduate School of Agriculture and Life Sciences, The University of Tokyo, Tokyo, Japan	P-01-1577
P30.26	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Tract-based Fractional Anisotropy predicts WAIS Intelligence Quotient indices and subtest performance	DAYLIN GONGORA <sup>1</sup> , MAYRIM VEGA-HERNANDEZ <sup>2</sup> , PEDRO VALDES-SOSA <sup>1</sup> , MARJAN JAHANSHAH <sup>1</sup> , MARIA BRINGAS-VEGA <sup>1</sup>	<sup>1</sup> The Clinical Hospital of Chengdu Brain Science Institute, MOE Key Lab for Neuroinflammation, University of Electronic Science and Technology of China/Cuban Neuroscience Center, Chengdu, China, <sup>2</sup> Cuban Neuroscience Center, Havana, Cuba, <sup>3</sup> The Clinical Hospital of Chengdu Brain Science Institute, MOE Key Lab for Neuroinflammation, University of Electronic Science and Technology of China/UCL Queen Square Institute of Neurology, Chengdu, China	P-01-1578
P30.27	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	DSCR1 regulates adult hippocampal neurogenesis by modulating the mR-124/TET1 regulatory axis.	CHI YEOL CHOI <sup>1</sup> , TAEHOON KIM <sup>1</sup> , KYUNG-TAI MIN <sup>1</sup>	<sup>1</sup> UNIST, Ulsan, Korea, Republic of	P-01-1587
P30.28	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	The specific role of GABAergic interneurons in fear extinction	HUNZHANG XUELIAN FAN <sup>1</sup> , WEIDONG LI <sup>1</sup>	<sup>1</sup> Shanghai Jiao Tong University, Shanghai, China	P-01-1591
P30.29	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Tonic signaling of habenula and periaqueductal gray for eye contact and sentimental reasons	YUCHAN LEE <sup>1</sup> , KAZUTAKA MAEDA <sup>2</sup> , OKIHIDE HIKOSAKA <sup>1</sup>	<sup>1</sup> Laboratory of Sensorimotor Research, National Eye Institute, Bethesda, USA	P-01-1593
P30.30	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Functional implication of retinoic acid-responsive subpopulation of dentate granule cells in encoding of reward-associated spatial memory.	YUN-GWON YEO <sup>1</sup> , YONG-SEOK OH <sup>1</sup>	<sup>1</sup> Molecular Psychiatry Laboratory, Department of Brain-Cognitive Science, Daegu-Gyeongbuk Institute of Science and Technology (DGIST), Daegu, Korea, Republic of	P-01-1595
P30.31	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Active visual perception induced by spontaneous rhythmic eye movement	WOCHUL CHOI <sup>1</sup> , SE-BUM PAIK <sup>1</sup>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of	P-01-1599
P30.32	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Brazilian Açaí Influences Anxiety Related Behavior, Antioxidative Enzymes and BDNF Release in Rats	MICHELE SCHULTZ <sup>1</sup> , EMERSON PEREIRA <sup>1</sup> , DANIELA MIRANDA <sup>1</sup> , SIMONE TEIXEIRA <sup>1</sup> , SORAIJA COSTA <sup>1</sup>	<sup>1</sup> University of São Paulo, São Paulo, Brazil	P-01-1611
P30.33	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	A corticotropin-releasing factor homolog sets the level of sexual motivation in female Drosophila	DO-HYOUNG KIM <sup>1</sup> , YOUNG-HOON JANG <sup>1</sup> , KANG-MIN LEE <sup>1</sup> , YOUNG-JOON KIM <sup>1</sup>	<sup>1</sup> Gwangju Institute of Science and Technology, Gwangju, Korea, Republic of	P-01-1613

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P30.34	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Fear memory generalization: does puberty and sex matter?	ANA PAULA CRESTANI <sup>1</sup> , FERNANDA NOGUEIRA LOTZ ALVES <sup>2</sup> , MIRELE ARAUJO CASAGRANDE <sup>2</sup> , BRUNO POPIK <sup>2</sup> , KETLYN TALISE KNACK GUERRA <sup>2</sup> , LUCAS DE OLIVEIRA ALVARES <sup>2</sup> , JORGE ALBERTO QUILLFELD <sup>2</sup>	<sup>1</sup> University of São Paulo, Ribeirão Preto, Brazil, <sup>2</sup> Federal University of Rio Grande do Sul, Porto Alegre, Brazil	P-01-1615
P30.35	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Intraoperative mapping of cognitive control regions in the frontal cortex using electrocorticography	MOATAZ ASSEM <sup>1</sup> , MIKE HART <sup>2</sup> , RAFAEL ROMERO-GARCIA <sup>3</sup> , JESSICA INGHAM <sup>4</sup> , ALEXA MCDONALD <sup>5</sup> , LUCA VILLA <sup>6</sup> , ROHITASHA SINHA <sup>7</sup> , JOHN DUNCAN <sup>8</sup> , THOMAS SANTARIUS <sup>9</sup> , YARA EREZ <sup>10</sup>	<sup>1</sup> MRC Cognition and Brain Sciences Unit, University of Cambridge, Cambridge, UK, <sup>2</sup> Department of Neurosurgery, Addenbrooke's hospital, Cambridge, Cambridge, UK, <sup>3</sup> Department of Psychiatry, University of Cambridge, Cambridge, UK, <sup>4</sup> Department of Neuropsychology, Cambridge University Hospitals NHS Foundation Trust, Cambridge, UK, <sup>5</sup> MRC Cognition and Brain Sciences Unit, University of Cambridge & Department of Experimental Psychology, University of Oxford, Cambridge, UK, <sup>6</sup> Department of Neurosurgery, Addenbrooke's hospital, Cambridge & Physiology, Development and Neuroscience, University of Cambridge, Cambridge, UK	P-01-1616
P30.36	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Blockade of cannabinoid type 2 receptor inhibits a working memory impairment relevant for schizophrenia	LUIS EDUARDO NUNES <sup>1</sup> , GILDA NEVES <sup>1</sup> , NEWTON CASTRO <sup>1</sup> , BRENDA ANDRADE <sup>1</sup> , GISELY CUNHA <sup>1</sup> , NATHALIA CUNHA <sup>1</sup> , THAINA LIONE <sup>1</sup> , NICOLE NAZARETH <sup>1</sup> , ADRIANA MARQUES <sup>1</sup> , BRUNA FERREIRA <sup>1</sup> , FABIOLA DINIZ <sup>2</sup> , GUSTAVO FERREIRA <sup>2</sup>	<sup>1</sup> Institute of Biomedical Sciences, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil, <sup>2</sup> Institute of Medical Biochemistry, Federal University of Rio de Janeiro, Rio de Janeiro, Brazil	P-01-1621
P30.37	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Influence of early life experience on vocal responsiveness to social signal in songbirds	TOMOKO FUJII <sup>1</sup> , MAKI IKEBUCHI <sup>2</sup> , KAZUO OKANOYA <sup>1</sup>	<sup>1</sup> The University of Tokyo, Meguro, Tokyo, Japan, <sup>2</sup> RIKEN, Wako, Saitama, Japan	P-01-1622
P30.38	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	HDAC2/SUV39H1-regulated hippocampal stress adaptation system controls persistent depressive behavior	JUNGEUN LEE <sup>1</sup> , PYUNG-LIM HAN <sup>1</sup>	<sup>1</sup> Ewha Womans University, Seoul, Korea, Republic of	P-01-1627
P30.39	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Temporal Order Memory Performance as a Behavioral Biomarker of Alzheimer's Disease	JEUN HWANG <sup>1</sup> , JIN HYUCK PARK <sup>2</sup> , SANG AH LEE <sup>1</sup>	<sup>1</sup> Korea Advanced Institute of Science and Technology(KAIST), Daejeon, Korea, Republic of, <sup>2</sup> Soon Chun Hyang University, Asan, Korea, Republic of	P-01-1636
P30.40	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Amygdala responses to subthreshold angry faces predict attention bias to suprathreshold angry faces	HEUNGSIK YOON <sup>1</sup> , SANG HEE KIM <sup>1</sup>	<sup>1</sup> Korea University, Seoul, Korea, Republic of	P-01-1641
P30.41	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Analysis of the neuroanatomical correlates representing depressive phenotypes projected into the currently used behavioral tests	EUN-HWA LEE <sup>1</sup> , PYUNG-LIM HAN <sup>1</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, Ewha Womans University, Seoul, Korea, Republic of	P-01-1644
P30.42	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Visual working memory load induces similar representational structures in a distributed cortical network	JINYONG CHUNG <sup>1</sup> , DO-JOON YI <sup>1</sup>	<sup>1</sup> Yonsei University, Seoul, Korea, Republic of	P-01-1647
P30.43	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Feedback-based social perception training influence interpretations of ambiguous social cues.	YUSEOK JEONG <sup>1</sup> , SANGHEE KIM <sup>1</sup>	<sup>1</sup> Korea University, Seoul, Korea, Republic of	P-01-1649
P30.44	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Accumbal Adenosine A <sub>2A</sub> Receptor Inactivation Facilitates Goal-Directed Behavior by Pavlovian-Instrumental Transfer and the striatal collateral connectivity	JIANG FAN CHEN <sup>1</sup> , YAN HE <sup>2</sup> , YAN LI <sup>2</sup> , XINRAN PAN <sup>2</sup> , ZHILAN PU <sup>2</sup> , MOZI CHEN <sup>2</sup>	<sup>1</sup> Korea Advanced Institute of Science and Technology(KAIST), Daejeon, Korea, Republic of, <sup>2</sup> Wenzhou Medical University, Wenzhou, China	P-01-1654
P30.45	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Value-coding neurons in the subthalamic nucleus: Current and historical value coding for controlled and automatic saccade.	HAIYAN JIANG <sup>1</sup> , HYOUNG F. KIM <sup>1</sup>	<sup>1</sup> School of Biological Sciences, Seoul National University, Gwanak-gu, Seoul, 08826, Center for Neuroscience Imaging Research, Institute for Basic Science, Suwon, Korea, Republic of	P-01-1658
P30.46	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	The neural representation of rich event memory in the human brain	SAEBYUL LEE <sup>1</sup> , SU KEUN JEONG <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of	P-01-1663
P30.47	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Visual working memory load induces similar representational structures in a distributed cortical network	JINYONG CHUNG <sup>1</sup> , DO-JOON YI <sup>2</sup>	<sup>1</sup> Yonsei University, Seoul, Korea, Republic of, <sup>2</sup> Yonsei University, Seoul, Korea, Republic of	P-01-1668
P30.48	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Effects of environmental enrichment and stress paradigm experience on adolescent period alter behaviors and neurochemistry in rats	RONGHUA YUAN <sup>1</sup> , JI HYE PARK <sup>2</sup> , YIN YI XIONG <sup>3</sup> , EUL SIG CHOI <sup>1</sup> , MI JUNG HAN <sup>4</sup> , SEOUL LEE <sup>2</sup>	<sup>1</sup> Department of Pharmacology, Wonkwang University School of Medicine, Jeonbuk, Korea, Republic of, <sup>2</sup> Department of Pharmacology and Wonkwang Brain Research Institute, Wonkwang University School of Medicine, Iksan, Korea, Republic of, <sup>3</sup> Department of Pharmacology and Wonkwang Brain Research Institute, Wonkwang University School of Medicine, Jeonbuk, Korea, Republic of, <sup>4</sup> Department of Pharmacology, Wonkwang University School of Medicine, Jeonbuk, Korea, Republic of	P-01-1671
P30.49	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Processes of subliminal stimulation in audiovisual integration	YESEUL CHOI <sup>1</sup> , KYOUNGMIN LEE <sup>1</sup> , MINHEE SEO <sup>1</sup> , JEH-KWANG RYU <sup>1</sup>	<sup>1</sup> University, Seoul, Korea, Republic of	P-01-1677
P30.50	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Impaired Cognitive abilities in first-degree sibling of individuals with Temporal lobe epilepsy	LANGZI TAN <sup>1</sup> , LILI LONG <sup>2</sup>	<sup>1</sup> Xiangyuan, Central South University, Changsha, Hunan province, China, <sup>2</sup> Xiangya hospital of Central south university, Changsha, Hunan province, China	P-01-1679
P30.51	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Gait pattern analysis to suggest one of factors classifying alzheimer's disease level using deep learning based on convolutional neural network	CHEOL-BIN PARK <sup>1</sup> , HYUNSU JEONG <sup>1</sup> , KYU YEONG CHOI <sup>1</sup> , BYEONG C. KIM <sup>2</sup> , JANG JAE LEE <sup>3</sup> , KUN HO LEE <sup>4</sup> , JONG-IN SONG <sup>5</sup> , JEONGHWAN GWAK <sup>6</sup>	<sup>1</sup> School of Electrical Engineering and Computer Science, Gwangju Institute of Science and Technology, Gwangju, Korea, Republic of, <sup>2</sup> Department of Software, Korea National University of Transportation, Chungju, Korea, Republic of, <sup>3</sup> National Research Center for Dementia, Chosun University, Gwangju, Korea, Republic of, <sup>4</sup> Department of Neurology, Chonnam National University Medical School, Gwangju, EI Salvador, <sup>5</sup> Department of Biomedical Science, Chosun University, Gwangju, Korea, Republic of	P-01-1680
P30.52	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Positive Effects of Physical Fitness on Cognitive Control among Older Adults	MINHA CHANG <sup>1</sup> , JEH-KWANG RYU <sup>1</sup> , DA HEI JUNG <sup>1</sup> , KYOUNG-MIN LEE <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-01-1681
P30.53	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	The role of Accumbal isthmus Schott on hippocampal neuron protection in Alzheimer's Disease	LITING JI <sup>1</sup> , YUNBO FU <sup>1</sup> , YUJIA ZHANG <sup>2</sup> , CHANGYU LI <sup>1</sup>	<sup>1</sup> University, Hangzhou, China, <sup>2</sup> University, Hangzhou, China	P-01-1683
P30.54	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Mechanistic pathway involved in hippocampal hypoxia inducing cognitive impairment and neurodegeneration.	PRIYANKA RANI <sup>1</sup> , ANJU KATYAL <sup>1</sup>	<sup>1</sup> University of Delhi, New Delhi, India	P-01-1688
P30.55	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Contribution of prosodic cues in song learning by Bengalese finches <i>Lonchura striata</i> var. <i>domestica</i>	TOMOKO MIZUHARA <sup>1</sup> , RYOSUKE TACHIBANA <sup>1</sup> , KAZUHIRO WADA <sup>2</sup> , KAZUO OKANOYA <sup>1</sup> , KAZUO OKANOYA <sup>1</sup>	<sup>1</sup> The University of Tokyo, Tokyo, Japan, <sup>2</sup> Hokkaido University, Hokkaido, Japan	P-01-1689
P30.56	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Moringa oleifera ameliorates the cholinergic-mediated memory via modulating the oxidative stress biomarkers in dementia mice model	SADIA YEASMIN <sup>1</sup> , SADIKA ISLAM <sup>2</sup> , ISRAT YESMIN <sup>2</sup> , FARHANA YASMIN <sup>3</sup> , ABDUL KAIUM <sup>3</sup> , MD. ASHRAFUR RAHMAN <sup>4</sup>	<sup>1</sup> Dept. of Pharmaceutical sciences, North South University, Dhaka, Bangladesh, <sup>2</sup> Assistant Professor, Dept. of Pharmaceutical sciences, North South University, Dhaka, Bangladesh, <sup>3</sup> Dept. of Pharmaceutical sciences, North South University, Dhaka, Bangladesh, <sup>4</sup> Dept. of Pharmaceutical sciences, North South University, Dhaka, Bangladesh	P-01-1691
P30.57	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Increased anxiety-like and depression-related behaviors during the postpartum period in inbred BALB/c and C57BL/6 strains	HIROTAKA SHOJI <sup>1</sup> , TSUYOSHI MIYAKAWA <sup>1</sup>	<sup>1</sup> Division of Systems Medical Science, Institute for Comprehensive Medical Science, Fujita Health University, Toyoake, Japan	P-01-1700
P30.58	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Neuregulin1 improves social deficits and anxiety-like behavior induced by COC <sub>1</sub> microinjection into the mouse ventral hippocampus	RAN-SOOK WOO <sup>1</sup> , SEUNG-YEON YOO <sup>1</sup> , JI-YOUNG YOO <sup>1</sup> , HAN-BYEOL KIM <sup>1</sup> , JUN-HO LEE <sup>2</sup>	<sup>1</sup> Eulji University, College of Medicine, Daejeon, Korea, Republic of, <sup>2</sup> Daejeon University, Daejeon, Korea, Republic of	P-01-1710
P30.59	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Earlier age at onset for APOE ε4-mediated β-amyloid deposition in East Asians	TAMIL INIYAN GUNASEKARAN <sup>1</sup> , JANG JAE LEE <sup>1</sup> , YU YOUNG CHOI <sup>1</sup> , SARANG KANG <sup>1</sup> , JUNGSOO GIM <sup>2</sup> , KYU YEONG CHOI <sup>1</sup> , KUN HO LEE <sup>2</sup>	<sup>1</sup> National Research Center for Dementia, Chosun University, Gwangju, Korea, Republic of, <sup>2</sup> National Research Center for Dementia, Chosun University, Department of Life Science, Chosun University, Department of Biomedical Science, Chosun University, Gwangju, Korea, Republic of, <sup>3</sup> National Research Center for Dementia, Chosun University, Department of Biomedical Science, Chosun University, Gwangju, Korea, Republic of	P-01-1712
P30.60	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	From fMRI to chords: Chord-based neural decoding for natural music	YICHUAN X. MA <sup>1</sup>	<sup>1</sup> Department of Electrical and Electronic Engineering, The University of Hong Kong, Hong Kong, Hong Kong SAR, China	P-01-1731
P30.61	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	The GABA-permeable Best1 channel maintains deep Non-REM sleep duration.	JEA KWON <sup>1</sup> , JOOHYUN HONG <sup>2</sup> , HANKYUL KWAK <sup>2</sup> , EUNJI CHEONG <sup>3</sup> , C. JUSTIN LEE <sup>1</sup>	<sup>1</sup> KU-KIST Graduate School of Converging Science and Technology, Korea University, Seoul, Korea, Republic of, <sup>2</sup> Center for Cognition and Society, Institute for Basic Science, Daejeon, Korea, Republic of, <sup>3</sup> Department of Biotechnology, College of Life Science and Biotechnology, Yonsei University, Seoul, Korea, Republic of	P-01-1735
P30.62	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Altered core networks of brain connectivity and personality traits in Internet gaming disorder	JIWON CHUN <sup>1</sup> , CHANG-HYUN PARK <sup>1</sup> , HYUN CHO <sup>1</sup> , DAI-JIN KIM <sup>1</sup>	<sup>1</sup> Catholic University of Korea College of Medicine, Seoul, Korea, Republic of	P-01-1738
P30.63	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Direct coordinate transformation from the retinotopic to the allocentric in the monkey precuneus	MOTOAKI UCHIMURA <sup>1</sup> , HIRONORI KUMANO <sup>1</sup> , SHIGERU KITAZAWA <sup>1</sup>	<sup>1</sup> Graduate School of Frontier Biosciences, Osaka University, Osaka, Japan	P-01-1741
P30.64	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Effect of tremor on neuropsychological and psychological variables in Parkinson's disease	MARIA IMMACULADA RUIZ-GARCIA <sup>1</sup> , CARMEN SAEZ-ZEA <sup>2</sup> , MIRIAM SICRE-MARQUEZ <sup>2</sup> , JOSE ANTONIO MUELA MARTINEZ <sup>2</sup>	<sup>1</sup> University of Jaen, Jaen, Spain, <sup>2</sup> University of Granada, Granada, Spain	P-01-1742
P30.65	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Accumbal MeCP2 in Dopamine D2 Receptor-Expressing Neurons Regulates Cocaine Intake After Exposure To Chronic Restraint Stress In Mice	JINHEE BAE <sup>1</sup> , SUJIN AHN <sup>1</sup> , SANGJOON LEE <sup>1</sup> , HEH-IN IM <sup>1</sup>	<sup>1</sup> Convergence Research Center for Diagnosis, Treatment and Care System of Dementia, Korea Institute of Science and Technology (KIST), Seoul, Korea, Republic of	P-01-1750
P30.66	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Hierarchical inference as a normative account for serial dependence	DONG-GYU YOO <sup>1</sup> , SUNGJAE KIM <sup>1</sup> , JUNGWON RYU <sup>1</sup> , SANG-HUN LEE <sup>1</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, Seoul National University, Seoul, Korea, Republic of	P-01-1758
P30.67	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Dopaminergic circuitry regulating compulsive eating behavior	BOKYEONG KIM <sup>1</sup> , JA-HYUN BAIK <sup>1</sup>	<sup>1</sup> Korea University, Seoul, Korea, Republic of	P-01-1762
P30.68	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Attenuation of scopolamine-induced learning and memory impairment by α-pinepine in C57BL/6 Mice	JUNG-HEE JANG <sup>1</sup> , CHAN LEE <sup>1</sup>	<sup>1</sup> Keimyung University, School of Medicine, Daegu, Korea, Republic of	P-01-1764
P30.69	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Role of M1 receptor in the retrieval of old consolidated memory in rats	ZEHRA BATOOL <sup>1</sup> , SAIDA HAIDER <sup>2</sup> , SHABANA U. SIMJEE <sup>3</sup>	<sup>1</sup> Dr. Panjwani Center for Molecular Medicine and Drug Research, International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan, <sup>2</sup> Neurochemistry and Biochemical Neuropharmacology Research Unit, Department of Biochemistry, University of Karachi, Karachi, Pakistan, <sup>3</sup> H.E.J. Research Institute of Chemistry, International Centre for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan	P-01-1776
P30.70	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	How do Adolescents with and without Depression differ in Brain Activity when Neurofeedback is given during Self-Face Processing?	SEWON OH <sup>1</sup> , JIA YUAN TEOH <sup>2</sup> , GARRY SMYDAS <sup>3</sup> , BRIANNA BARSTAD <sup>4</sup> , SUMAYA MOHAMED <sup>5</sup> , SHABAD WASHIST <sup>6</sup> , KAMIL UGBRAL <sup>5</sup> , JOHN STRUPP <sup>7</sup> , KATHLEEN THOMAS <sup>7</sup> , HANNAH SCOTT <sup>8</sup> , KARINA QUEVEDO <sup>9</sup> , KARINA QUEVEDO <sup>9</sup>	<sup>1</sup> Department of Psychology, College of Liberal Arts, University of Minnesota - Twin Cities, Minneapolis, USA, <sup>2</sup> Department of Psychiatry, Medical School, University of Minnesota - Twin Cities, Minneapolis, USA, <sup>3</sup> School of Public Health, University of Pittsburgh, Pittsburgh, USA, <sup>4</sup> Department of Neuroscience, Medical School, University of Minnesota - Twin Cities, Minneapolis, USA, <sup>5</sup> Department of Medicine, Medical School, University of Minnesota - Twin Cities, Minneapolis, USA, <sup>6</sup> Minnesota Supercomputing Institute, Minneapolis, USA, <sup>7</sup> Center for Neurobehavioral Development, Medical School, University of Minnesota - Twin Cities, Minneapolis, USA	P-01-1789
P30.71	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Alterations of the effective connectivity during working memory in Schizophrenia: Dynamic Causal Modeling of EEG	JINSEOK EO <sup>1</sup> , SUK KYOON AN <sup>1</sup> , HAE-JEONG PARK <sup>1</sup>	<sup>1</sup> University, Seoul, Korea, Republic of	P-01-1791
P30.72	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Effects of trait sensitivity to negative feedback on motivation and anxiety of rats following acute administration of antidepressant drugs	RAFAL RYGULA <sup>1</sup> , KAROLINA NOWORYTA-SKOKLOWSKA <sup>1</sup> , ANNA KOZUB <sup>1</sup> , ROBERT DROZD <sup>1</sup>	<sup>1</sup> Maj Institute of Pharmacology Polish Academy of Sciences, Krakow, Poland	P-01-1796

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P30.73	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Hippocampal 5HT <sub>1A</sub> and 5HTT alterations lead to Cognitive Deficits associated with major depressive disorder in a 14-day combined stress rat model	<b>GWLADYS NGOUPAYE<sup>1</sup></b> , THOBEKA MADLALA <sup>2</sup> , MUSA MABANLA <sup>3</sup>	<sup>1</sup> Department of Animal Biology, Faculty of Science, University of Durban-Westville, P.O. Box 67, Durban, 4001, Durban, South Africa, <sup>2</sup> Discipline of Human Physiology, School of Laboratory Medicine & Medical Sciences, College of Health Sciences, University of KwaZulu-Natal, Durban, 4000, South Africa, Durban, South Africa	P-01-1804
P30.74	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	The effect of sexual behavior and social interaction in the memory of old and young male rats.	<b>ALEJANDRO TAPIA-DE JESÚS<sup>1</sup></b> , LUIS RODRIGUEZ-SERRANO <sup>1</sup> , MARIA FLORENCIA MATA-ESQUIVIAZ <sup>1</sup> , PEDRO ESPINOZA-VILLAFRANCA <sup>1</sup> , MARIA ELENA CHAVEZ <sup>2</sup> , GUSTAVO LAGO <sup>3</sup> , OSCAR GALICIA-CASTILLO <sup>4</sup> , SAID HERNANDEZ-GONZALEZ <sup>5</sup> , ISABEL LÓPEZ-CORTINA <sup>6</sup> , XIMENA PALACIOS-BAUTISTA <sup>7</sup> , MARIO BUENROSTRO-JAURAGUI <sup>8</sup>	<sup>1</sup> Universidad Iberoamericana, Ciudad de México, Mexico	P-01-1811
P30.75	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	The effect of chronic cerebral hyperperfusion on the pathology of Alzheimer's disease: A positron emission tomography study in rats	<b>JUNG-IN LEE<sup>1</sup></b> , JAE-HYUNG PARK <sup>1</sup> , JEONG-HO HONG <sup>2</sup> , SANG-WOO LEE <sup>3</sup> , KYUNG-WHA YOON <sup>4</sup> , HYUN DONG JI <sup>5</sup> , KYOUNG SOOK WON <sup>1</sup> , BONG-IL SONG <sup>1</sup> , HAE WON KIM <sup>1</sup>	<sup>1</sup> Kaemyung University, School of Medicine, Daegu, Korea, Republic of, <sup>2</sup> Kyungpook National University, School of Medicine, Daegu, Korea, Republic of	P-01-1819
P30.76	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Construal level and ego depletion influence on self-control performance of military personnel with and without burnout	<b>ALEXANDER UNGER<sup>1</sup></b> , JULIE PAPASTAMATELOU <sup>1</sup> , LENING A. OLIVERA-FIGUEROA <sup>3</sup>	<sup>1</sup> Ludwigshafen University of Business and Society, Ludwigshafen, Germany, <sup>2</sup> Ludwigshafen University of Business and Society, Ludwigshafen, Germany, <sup>3</sup> Yale University School of Medicine, New Haven, USA	P-01-1822
P30.77	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Experience of defeat in the social conflict induces potentiation of glutamatergic transmission in the ventral interpeduncular nucleus.	<b>MASAE KINOSHITA<sup>1</sup></b> , MING-YI CHOU <sup>1</sup> , HITOSHI OKAMOTO <sup>2</sup>	<sup>1</sup> Lab. for Neural Circuit Dynamics of Decision Making, RIKEN CBS, Saitama, Japan	P-01-1825
P30.78	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Does methylphenidate exposure affect sexual behavior and locomotor activity in male rats?	<b>LYDIA MIHALĚKOVÁ<sup>1</sup></b> , ANNA OCHOZKOVÁ <sup>1</sup> , ROMANA ŠLAMBEROVÁ <sup>1</sup>	<sup>1</sup> Charles University, Third faculty of medicine, Prague, Czech Republic	P-01-1826
P30.79	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Pistachio supplementation effectively rescued PD-like motor and non-motor symptoms and attenuated the behavioral, neurochemical and biochemical deficits induced by rotenone toxicity in rats.	<b>SAIDA HAIDER<sup>1</sup></b> , SYEDA MADIHA <sup>1</sup> , ZEHRABATOOOL <sup>2</sup> , SAJICA TABASSUM <sup>3</sup>	<sup>1</sup> Neurochemistry and Biochemical Neuropharmacology Research Unit, Department of Biochemistry, University of Karachi, Karachi, Pakistan, <sup>2</sup> Dr. Panjwani Center for Molecular Medicine and Drug Research, International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan, <sup>3</sup> Department of Biosciences, Shaheed Zulfiqar Ali Bhutto University, Karachi, Pakistan	P-01-1828
P30.80	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Psychological Resilience Mediates Associations of Political Attitudes with Intrinsic Functional Brain Connectivity	<b>TAEKWAN KIM<sup>1</sup></b> , JI-WON HUR <sup>2</sup> , SEOYEON KWAK <sup>1</sup> , JUN SOO KWON <sup>2</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, Seoul National University College of Natural Sciences, Seoul, Korea, Republic of, <sup>2</sup> Department of Psychiatry, Seoul National University College of Medicine, Department of Brain and Cognitive Sciences, Seoul National University College of Natural Sciences, Seoul, Korea, Republic of, <sup>3</sup> Department of Psychology, Chung-Ang University, Seoul, Korea, Republic of	P-01-1836
P30.81	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Resting-state functional connectivity of the striatum predicts improvement in negative symptoms and general functioning in patients with first-episode psychosis: A 1-year naturalistic follow-up study	<b>SANGHOON OH<sup>1</sup></b> , MINAH KIM <sup>1</sup> , TAE YOUNG LEE <sup>1</sup> , TAEKWAN KIM <sup>1</sup> , JUN SOO KWON <sup>2</sup>	<sup>1</sup> Department of Psychiatry, Seoul National University College of Medicine, Department of Neuropsychiatry, Seoul National University Hospital, Seoul, Korea, Republic of, <sup>2</sup> Department of Psychiatry, Seoul National University College of Medicine, Department of Neuropsychiatry, Seoul National University Hospital, Department of Brain and Cognitive Sciences, Seoul National University College of Natural Sciences, Institute of Human Behavioral Medicine, Seoul National University Medical Research Center, Seoul, Korea, Republic of, <sup>3</sup> Department of Neuropsychiatry, Seoul National University Hospital, Seoul, Korea, Republic of, <sup>4</sup> Department of Brain and Cognitive Sciences, Seoul National University College of Natural Sciences, Seoul, Korea, Republic of	P-01-1860
P30.82	Grand Ballroom, 3F	Cognition and behavior	2019.09.25 12:40	2019.09.25 14:40	Activation of Leptin Receptor-expressing Neurons in Lateral Hypothalamus Enhances Food-seeking Behavior without Altering Food Intake in Mice	<b>YOUNG HEE LEE<sup>1</sup></b> , DONG-SOO HA <sup>2</sup> , JOON SEOK PARK <sup>2</sup> , HYUNG JIN CHOI <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Seoul National University, Seoul, Korea, Republic of	P-01-1862
P31.01	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	Effects of rapamycin treatment on impaired social interaction and gene expression in mice treated prenatally with valproic acid.	<b>HIROKO KOTAJIMA<sup>1</sup></b> , TOSHIYUKI KOBAYASHI <sup>2</sup> , HIROFUMI KASHII <sup>1</sup> , ATSUSHI SATO <sup>3</sup> , YOKO HAGINO <sup>4</sup> , MIHO TANAKA <sup>5</sup> , YASUMASA NISHITO <sup>6</sup> , YUKIO TAKAMATSU <sup>1</sup> , SHIGEO UCHINO <sup>7</sup> , KAZUTAKA IKEDA <sup>1</sup>	<sup>1</sup> Tokyo Metropolitan Institute of Medical Science, Tokyo, Japan, <sup>2</sup> Junteno University, Tokyo, Japan, <sup>3</sup> The University of Tokyo Hospital, Tokyo, Japan, <sup>4</sup> School of Science and Engineering, Teikyo University, Tochigi, Japan	P-02-1495
P31.02	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	Retinotopic mapping as a determinant of columnar and salt-and-pepper organization of orientation tuning in visual cortex	<b>JAESON JANG<sup>1</sup></b> , MIN SONG <sup>2</sup> , SE-BUM PAIK <sup>2</sup>	<sup>1</sup> Department of Bio and Brain Engineering, KAIST, Daejeon, Korea, Republic of, <sup>2</sup> Department of Bio and Brain Engineering, Program of Brain and Cognitive Engineering, KAIST, Daejeon, Korea, Republic of, <sup>3</sup> Department of Bio and Brain Engineering, Program of Brain and Cognitive Engineering, KAIST, Daejeon, Korea, Republic of	P-02-1549
P31.03	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	Event related potentials of emotional face processing in premature and full-term infants	<b>CINTLI CAROLINA CARBAJAL-VALENZUELA<sup>1</sup></b> , EFRAIN SANTIAGO RODRIGUEZ <sup>2</sup> , THALIA HARMONY <sup>3</sup> , GLORIA NE LIDA AVECILLA-RAMIREZ <sup>4</sup>	<sup>1</sup> Autonomous University of Queretaro, Queretaro, Mexico, <sup>2</sup> National Autonomous University of Mexico, Queretaro, Mexico, <sup>3</sup> National Autonomous University of Mexico, Queretaro, Mexico	P-02-1581
P31.04	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	Neuro-inflammatory changes in young adult depressive mice induced by accumulative mild stress in the early-life course	<b>JINHO KIM<sup>1</sup></b> , EUNJO NAM <sup>2</sup> , YOO-HUN SUH <sup>3</sup> , KEUN-A CHANG <sup>2</sup>	<sup>1</sup> Department of Health Sciences and Technology, GAIHST, Gachon University, Incheon 21999, Korea, Incheon, Korea, Republic of, <sup>2</sup> Department of Pharmacology, College of Medicine, Gachon University, Incheon 21936, Korea, Incheon, Korea, Republic of, <sup>3</sup> Neuroscience Research Institute, Gachon University, Incheon 21565, Korea, Incheon, Korea, Republic of	P-02-1590
P31.05	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	Establishment of HESC-derived DRG-like structure to model peripheral neuropathies.	<b>YOUNG HYUN CHEE<sup>1</sup></b> , SEUNG KWON LIM <sup>1</sup> , JEONG HEE KIM <sup>1</sup> , SUNG SU HANG <sup>1</sup> , YONG JUN KIM <sup>1</sup>	<sup>1</sup> Department of Pathology, College of Medicine, Kyung Hee University, Seoul, Korea, Republic of	P-02-1594
P31.06	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	The effect of prenatal exposure to opioids on the cerebellum using the developing chicken embryo	<b>MUSSIE GHEZU HADERA<sup>1</sup></b> , JANNIKE MØRCH ANDERSEN <sup>2</sup> , SYNNE STEINSLAND <sup>3</sup> , RAGNHILD ELIZABETH PAULSEN <sup>4</sup>	<sup>1</sup> School of Pharmacy, University of Oslo, Oslo, Norway, <sup>2</sup> Department of Forensic Sciences, Oslo University Hospital, Oslo, Norway	P-02-1604
P31.07	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	The roles of intercellular Vax1 transfer in mouse visual system development	<b>KWANG WOOK MN<sup>1</sup></b> , YOUNG HOON SUNG <sup>2</sup> , NAM SUK KIM <sup>1</sup> , JAE HYUN KIM <sup>1</sup> , JEE MYUNG YANG <sup>1</sup> , HAN WOONG LEE <sup>1</sup> , SELUNG-HEE LEE <sup>1</sup> , JIN WOO KIM <sup>1</sup>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of, <sup>2</sup> Yonsei university, Seoul, Korea, Republic of	P-02-1646
P31.08	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	SIAH 1, an E3 ligase facilitates ubiquitination and proteasomal degradation of Akt3 in neuron.	<b>EUN-JU JIN<sup>1</sup></b> , HYO RIM KO <sup>1</sup> , SANG BAE LEE <sup>2</sup> , CHUNG KWON KIM <sup>1</sup> , TAEGWAN YUN <sup>1</sup> , SUNG-WOO CHO <sup>3</sup> , KYE WON PARK <sup>4</sup> , JEE-YIN AHN <sup>1</sup>	<sup>1</sup> Department of Molecular Cell Biology, Sungkyunkwan University School of Medicine, Suwon, Korea, Republic of, <sup>2</sup> Institute for Cancer Genetics, Columbia University Medical Center, New York 10032, USA, New York, USA, <sup>3</sup> Department of Biochemistry and Molecular Biology, University of Ulsan, College of Medicine, Seoul, Korea, Republic of, <sup>4</sup> Department of Food Science and Biotechnology, College of Biotechnology and Bioengineering, Sungkyunkwan university, Suwon, Korea, Republic of	P-02-1660
P31.09	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	Biased synaptic connections from mossy fibers to cerebellar granule cells	<b>KEIKO TANAKA-YAMAMOTO<sup>1</sup></b> , YUKIO YAMAMOTO <sup>2</sup> , TAE GON KIM <sup>2</sup>	<sup>1</sup> Korea Institute of Science and Technology (KIST), University of Science and Technology (UST), Seoul, Korea, Republic of, <sup>2</sup> Korea Institute of Science and Technology (KIST), Seoul, Korea, Republic of	P-02-1667
P31.10	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	High glucose alters the DNA methylation in human neural progenitor cells	<b>THAMEEM DHEEN<sup>1</sup></b> , DEEPIKA KANDILYA <sup>1</sup> , SUKANYA SHYAMASUNDAR <sup>1</sup> , DHIRAJ KUMAR SINGH <sup>1</sup> , KARTHIK MALLANAKARAMAN <sup>1</sup> , MANOOR PRAKASH HANDE <sup>1</sup> , WALTER STUNKEL <sup>1</sup> , YAP SENG CHONG <sup>1</sup>	<sup>1</sup> National University of Singapore, Singapore, Singapore	P-02-1678
P31.11	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	Development of Metacognition in Adolescence	<b>KELSSY KAWATA<sup>1</sup></b> , KIYOTO KASAI <sup>1</sup> , SHINSUKE KOIKE <sup>1</sup> , YUKO NAKAMURA <sup>1</sup>	<sup>1</sup> The Tokyo University, Tokyo, Japan	P-02-1716
P31.12	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	Nervous system associated pathway reconstruction to decipher the neuroethology of <i>Oryctes rhinoceros</i> , the coconut rhinoceros beetle	<b>KUMAR ARVIND<sup>1</sup></b> , RAJESH M.K. <sup>2</sup> , TONY GRACE <sup>1</sup>	<sup>1</sup> Central University of Kerala, Kasaragod, India, <sup>2</sup> ICAR-Central Plantation Crops Research Institute (ICAR-CPCRI), Kasaragod, India	P-02-1727
P31.13	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	Postsynaptic SNX9 is required for normal synaptic growth interacting with Ack and regulates synaptic level of Glutamate receptor	<b>HYUN GWAN PARK<sup>1</sup></b> , SEUNGBOK LEE <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Korea, Republic of	P-02-1730
P31.14	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	Biological roles of CLCM in human neuronal development	<b>DAYEON KIM<sup>1</sup></b> , HYUNSU DO <sup>1</sup> , GEURIM SON <sup>1</sup> , YENI KIM <sup>2</sup> , SONGHEE JEON <sup>1</sup> , JINU HAN <sup>1</sup>	<sup>1</sup> Korea Advanced Institute of Science and Technology, Daejeon, Korea, Republic of, <sup>2</sup> National Center for Mental Health, Seoul, Korea, Republic of, <sup>3</sup> Chonnam National University, Gwangju, Korea, Republic of	P-02-1749
P31.15	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	Optimization and Classification of Developmental Brain Diseases Using Machine Learning of Functional Brain Networks	<b>HYUNSEOK BANG<sup>1</sup></b> , SOLE YOO <sup>3</sup> , HAE-YOON CHOI <sup>3</sup> , CHONGWON PAE <sup>1</sup> , HAE-JEONG PARK <sup>2</sup>	<sup>1</sup> Brain Korea 21 PLUS Project for Medical Science, Yonsei University, Seoul, Korea, Republic of, <sup>2</sup> Department of Nuclear Medicine and Radiology, and Severance Biomedical Science Institute, Yonsei University College of Medicine, Seoul, Korea, Republic of, <sup>3</sup> Institute of Human Complexity and Systems Science, System Science Center for Brain and Cognition, Yonsei University, Seoul, Korea, Seoul, Korea, Republic of	P-02-1755
P31.16	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	Cell type-specific transcriptome profiling of cortical neural progenitors in the developing brain	<b>JANE JUNG<sup>1</sup></b> , HOSUNG JUNG <sup>2</sup>	<sup>1</sup> Brain Korea 21 PLUS Project for Medical Science, Yonsei University College of Medicine, Seoul, Korea, Republic of, <sup>2</sup> Department of Anatomy and Brain Research Institute, Yonsei University College of Medicine, Seoul, Korea, Republic of	P-02-1756
P31.17	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	Correlations between father-child interaction and brain structure: Fetal and neonatal brain development and skeletal growth are impaired by iodine excess during pregnancy in associated with thyroid dysfunction in rodent	<b>MICHIKO ASANO<sup>1</sup></b> , KAZUO OKANOYA <sup>1</sup>	<sup>1</sup> The University of Tokyo, Tokyo, Japan	P-02-1757
P31.18	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	Dynamics of axonal $\beta$ -actin mRNA in live hippocampal neurons.	<b>WOJUN SONG<sup>1</sup></b> , HYUNGIN CHOI <sup>1</sup>	<sup>1</sup> Seoul national university, Seoul, Korea, Republic of	P-02-1759
P31.19	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	Dynamics of axonal $\beta$ -actin mRNA in live hippocampal neurons.	<b>BYUNG HUN LEE<sup>1</sup></b> , SEOKYOUNG BANG <sup>2</sup> , SEUNGRYUL LEE <sup>2</sup> , HYEYOON PARK <sup>1</sup>	<sup>1</sup> Department of Physics and Astronomy, Seoul National University, Seoul, 08826, Korea, Seoul, Korea, Republic of, <sup>2</sup> Division of WCU (World Class University) Multiscale Mechanical Design School of Mechanical and Aerospace Engineering Institute of Advanced Machinery and Design Seoul National University, Seoul, Seoul, Korea, Republic of	P-02-1773
P31.20	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	EphA3 ectodomain and GDNF regulate FAK activity during axon growth of retinal ganglion cells	<b>GONZALO SPELZINI<sup>1</sup></b> , MARA MEDITORI <sup>1</sup> , LUISA RENEE TERUEL <sup>1</sup> , VIVIANA SANCHEZ <sup>2</sup> , LUCIANO FIORE <sup>1</sup> , GABRIEL SCIOCCONE <sup>1</sup>	<sup>1</sup> CONICET - Universidad de Buenos Aires, Instituto de Biología Celular y Neurociencias "Prof. E. De Robertis" (IBCN), Universidad de Buenos Aires, Facultad de Medicina, Departamento de Biología Celular, Histología, Embriología y Genética, Buenos Aires, Argentina	P-02-1775
P31.21	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	Calmodulin mediates Ca <sup>2+</sup> -dependent inhibition of Tie2 signaling and acts as a developmental brake during embryonic angiogenesis	<b>JIYEON OHK<sup>1</sup></b> , BOYOON CHOI <sup>1</sup> , HOSUNG JUNG <sup>1</sup>	<sup>1</sup> Yonsei University College of Medicine, Seoul, Korea, Republic of	P-02-1777
P31.22	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	Ribosome heterogeneity in retinal development	<b>HYEYOUNG KIM<sup>1</sup></b> , HOSUNG JUNG <sup>1</sup>	<sup>1</sup> Yonsei university, Seoul, Korea, Republic of	P-02-1782
P31.23	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	A Possible Association between Zika Virus Infection and CDK5RAP2 mutations	<b>ESTEPHANIA CANDELLO<sup>1</sup></b> , ANA MARIA SANZ <sup>2</sup> , DIANA RAMIREZ <sup>2</sup> , LORENA DIAZ <sup>2</sup> , ANA MARIA GRANADOS <sup>2</sup> , FERNANDO ROSSO <sup>2</sup> , HARRY PACHAJOA <sup>1</sup>	<sup>1</sup> Universidad Icesi-University College London, London, UK, <sup>2</sup> Fundacion Valle del Lili, Cali, Colombia, <sup>3</sup> Universidad Icesi, Cali, Colombia, <sup>4</sup> Universidad Icesi-Fundacion Valle del Lili, Cali, Colombia	P-02-1795

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P31.24	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	Brain and Molecular Aging Biomarkers in Youths Exposed to Maltreatment: A Longitudinal Study	MATEUS LEVANDOWSKI <sup>1</sup> , LUCAS POITEVIN BANDINELLI <sup>2</sup> , ANDRE ZUGMAN <sup>3</sup> , SINTIA BELANGERO <sup>4</sup> , ANDREA JACKOWSKI <sup>5</sup> , KATHRYN ERICKSON-RIDOUT <sup>6</sup> , KATJIA FRANKE <sup>7</sup> , PEDRO PAN <sup>8</sup> , GIOVANNI SALLUM <sup>9</sup> , ANDREY TYRKA <sup>10</sup> , RODRIGO GRASSI-OLIVEIRA <sup>11</sup>	<sup>1</sup> Universidade Federal de Pelotas, Porto Alegre, Brazil, <sup>2</sup> Universidade do Vale do Rio dos Sinos, Porto Alegre, Brazil, <sup>3</sup> Uniniter, Porto Alegre, Brazil, <sup>4</sup> UNIFESP, São Paulo, Brazil, <sup>5</sup> Brown University, Providence, USA, <sup>6</sup> Jena University Hospital, Jena, Germany, <sup>7</sup> UFRRGS, Porto Alegre, Brazil, <sup>8</sup> PUCRS, Porto Alegre, Brazil	P-02-1807
P31.25	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	Id2 regulates $\alpha$ -tubulin acetylation by Sir2, promoting axon growth	BYEONG-SEONG KIM <sup>1</sup> , TAEGWAN YOON <sup>2</sup> , JEE-YIN AHN <sup>2</sup>	<sup>1</sup> Sungkyunkwan university, Suwon, Korea, Republic of, <sup>2</sup> Sungkyunkwan university, Suwon, Korea, Republic of	P-02-1821
P31.26	Grand Ballroom, 3F	Development	2019.09.25 12:40	2019.09.25 14:40	The role of nArgBP2 in the axonal growth cone	JEAYEOK HONG <sup>1</sup> , HOSUNG JUNG <sup>2</sup>	<sup>1</sup> Yonsei University College of Medicine, Seoul, Korea, Republic of, <sup>2</sup> Yonsei University College of Medicine, Seoul, Korea, Republic of	P-02-1852
P32.01	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Nurr1 ligands ameliorate behavioural deficits on Parkinson's Disease-context in vivo models	HUI TING TOH <sup>1</sup> , SREEKANTH RAJAN <sup>1</sup> , JUN YEBOO YOO <sup>1</sup> , ADELINE HENRY BASIL <sup>2</sup> , ZIYI WANG <sup>2</sup> , GERALDINE GOH <sup>3</sup> , KAH-LEONG LIM <sup>4</sup> , HO SUP YOON <sup>5</sup>	<sup>1</sup> School of Biological Sciences, Nanyang Technological University, Singapore, Singapore, <sup>2</sup> School of Biological Sciences and NTU Institute of Structural Biology, Nanyang Technological University, Singapore, Singapore, <sup>3</sup> National Neuroscience Institute, Singapore, Singapore, <sup>4</sup> National Neuroscience Institute, Department of Physiology, Yong Loo Lin School of Medicine, National University of Singapore, Singapore, Singapore	P-03-0587
P32.02	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Neuregulin1 Attenuates H <sub>2</sub> O <sub>2</sub> -Induced Reductions in EAAC1 Protein Levels and Reduces H <sub>2</sub> O <sub>2</sub> -Induced Oxidative Stress	JI-YOUNG YOO <sup>1</sup> , HAN-BYEOL KIM <sup>1</sup> , SEUNG-YEON YOO <sup>1</sup> , JUN-HO LEE <sup>2</sup> , RAN-SOOK WOO <sup>1</sup>	<sup>1</sup> Eulji University, Daejeon, Korea, Republic of, <sup>2</sup> Daejeon University, Daejeon, Korea, Republic of	P-03-0582
P32.03	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Zinc dyshomeostasis plays a key role in inflammasome formation in cultured neurons and astrocytes following LPS or OGD exposure	HYUN SEO PARK <sup>1</sup> , JAE-YOUNG KOH <sup>2</sup>	<sup>1</sup> Asan institute for life science, Seoul, Korea, Republic of, <sup>2</sup> Department of Neurology, ASAN medical center, Seoul, Korea, Republic of	P-03-0575
P32.04	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Characterization of adult hippocampal neurogenesis and hippocampal function in p53 knockout mice	YE WON LEE <sup>1</sup> , SEONGHEE JUNG <sup>1</sup> , SEONGWON CHOE <sup>1</sup> , HYEONJEONG JEONG <sup>1</sup> , SEONG-WOON YU <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of	P-03-0566
P32.05	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Mutation screening in Chinese patients with familial Alzheimer's disease by whole-exome sequencing	QING-QING TAO <sup>1</sup> , BIN JIANG <sup>2</sup> , ZHI-YING WU <sup>1</sup>	<sup>1</sup> Second Affiliated Hospital, Zhejiang University School of Medicine, Hangzhou, China, <sup>2</sup> Second Affiliated Hospital, Zhejiang University School of Medicine, Hangzhou, China	P-03-0564
P32.06	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Increases of intracellular zinc under sublethal concentration activates neurite outgrowth	JHEE KIM <sup>1</sup> , YANG-HEE KIM <sup>1</sup>	<sup>1</sup> Sejong University, Seoul, Korea, Republic of	P-03-0559
P32.07	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Changes in the coupling of slow-waves with spindles tracks motor recovery after stroke	JAEKYUNG KIM <sup>1</sup> , APRIL HISHNUMA <sup>1</sup> , LING GUO <sup>1</sup> , SEOK-JOON WON <sup>2</sup> , KARUNESH GANGULY <sup>1</sup>	<sup>1</sup> University of California, San Francisco, San Francisco, USA, <sup>2</sup> San Francisco Veterans Affairs Medical Center, San Francisco, USA	P-03-0550
P32.08	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Changes associated with the high-fat diet in the expression of D1R/D2R dopaminergic receptors in the frontal cortex of a murine model of sporadic Alzheimer's Disease	JESUS MENDIOLA-PRECOMA <sup>1</sup> , ARELY JANET FLORES-MONCÓN <sup>1</sup> , LAURA CRISTINA BERUMEN <sup>1</sup> , JESICA ESTHER ESCOBAR-CABRERA <sup>1</sup> , GUADALUPE GARCIA-ALCOCER <sup>1</sup>	<sup>1</sup> Posgrado en Ciencias Químico-Biológicas, Universidad Autónoma de Querétaro, Querétaro, Mexico	P-03-0549
P32.09	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	ZnO foliar acid conjugated nano-particles induce apoptosis on Glioblastoma U-87MG tumor cell: An in vitro study	SEYED BEHNAMEH JAMIEI <sup>1</sup> , MONA FARHADI <sup>1</sup> , MARFAVI ZAHRA <sup>1</sup> , VAHID PIRHAJATI <sup>1</sup> , MELIKASADT AJMINEH <sup>1</sup> , MANASADT JAMIEI <sup>1</sup>	<sup>1</sup> Neuroscience Research Center Iran University of Medical Sciences, Tehran, Iran, <sup>2</sup> Neuroscience Research Center - Iran University of Medical Sciences, Tehran, Iran, <sup>3</sup> Department of Microbiology, Karaj Branch, Islamic Azad University, Karaj, Iran, Tehran, Iran, <sup>4</sup> Neuroscience Research Center - Iran University of Medical Sciences, Tehran, Iran	P-03-0547
P32.10	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Discovery of Two-Photon MAO-B Chemical Probes for Neurodegenerative Diseases	RINA KWAG <sup>1</sup> , JIHYE SEONG <sup>2</sup> , HYUNAH CHOO <sup>2</sup>	<sup>1</sup> Department of Chemistry, Korea University / Center of Neuro-Medicine, Brain Science Institute, Korea Institute of Science and Technology, Seoul, Korea, Republic of, <sup>2</sup> Center of Neuro-Medicine, Brain Science Institute, Korea Institute of Science and Technology / Division of Bio-Medical Science and Technology, KIST school, Korea University of Science and Technology (UST), Seoul, Korea, Republic of, <sup>3</sup> Center of Neuro-Medicine, Brain Science Institute, Korea Institute of Science and Technology / Convergence Research Center for Diagnosis Treatment Care of Dementia, Korea Institute of Science and Technology / Division of Bio-Medical Science and Technology, KIST school, Korea University of Science and Technology (UST), Seoul, Korea, Republic of	P-03-0541
P32.11	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Orexin and MCH neurons double ablated mice showed severe sleep attack and cataplexy	HUNG CHLUNG <sup>1</sup> , DAISUKE ONO <sup>2</sup> , AKIHIRO YAMANAKA <sup>2</sup>	<sup>1</sup> Nagoya University, Nagoya, Japan, <sup>2</sup> Department of Neuroscience II, Research Institute of Environmental Medicine, Nagoya University, Nagoya, Japan, Japan	P-03-0540
P32.12	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Stigmasterol stimulates neuronal migration through Reln-ApoE2-JNK signaling in neurosphere migration assays	MD. NAZMUL HAQUE <sup>1</sup> , MD. ABDUL HANNAN <sup>1</sup> , RAJU DASH <sup>1</sup> , HOJIN CHOI <sup>1</sup> , IL SOO MOON <sup>1</sup>	<sup>1</sup> Department of Anatomy, Dongguk University Graduate School of Medicine, Gyeongju 38066, Korea, Republic of	P-03-0539
P32.13	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Chromatin-bound oxidized $\alpha$ -synuclein causes strand breaks in neuronal genomes in in vitro models of Parkinson's Disease	VELMARINI VASQUEZ <sup>1</sup> , JOY MITRA <sup>2</sup> , PAVANA M. HEGDE <sup>1</sup> , ARVIND PANDEY <sup>1</sup> , SHILADITYA SENGUPTA <sup>1</sup> , SANKAR MITRA <sup>3</sup> , K. S. RAO <sup>4</sup> , MURALIDHAR HEGDE <sup>1</sup>	<sup>1</sup> Department of Radiation Oncology, Houston Methodist Research Institute, Houston, TX, USA, <sup>2</sup> Department of Radiation Oncology, Houston Methodist Research Institute, Houston, TX, USA, <sup>3</sup> Department of Radiation Oncology, Houston Methodist Research Institute, Houston, TX, USA, <sup>4</sup> Centre for Neuroscience, Instituto de Investigaciones Científicas y Servicios de Alta Tecnología, Panama, Panama	P-03-0531
P32.14	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Association between polygenic risk scores for attention-deficit/hyperactivity disorder and asthma in the 1982 Pelotas birth cohort	DOUGLAS TEIXEIRA LEFFA <sup>1</sup> , FERNANDO BARROS <sup>2</sup> , LUIS AUGUSTO RONDHE <sup>3</sup> , LUCIANA TOVO-RODRIGUES <sup>4</sup>	<sup>1</sup> UFRGS, Porto Alegre, Brazil, <sup>2</sup> UFPA, Pelotas, Brazil	P-03-0529
P32.15	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Environmental enrichment modulates depressive-like behavior and hippocampal neuroplasticity in the YAC128 mouse model of Huntington's disease	PATRICIA S BROCARD <sup>1</sup> , EVELINI PLACIDO <sup>1</sup> , ANA CLAUDIA WINK <sup>1</sup> , CRISTINE DE PAULA NASCIMENTO-CASTRO <sup>2</sup> , ANA LUCIA S. RODRIGUES <sup>3</sup> , JOANA GIL-MOHAPÉL <sup>4</sup>	<sup>1</sup> Universidade Federal de Santa Catarina, Florianópolis, Brazil, <sup>2</sup> University of Victoria, Victoria, Canada	P-03-0528
P32.16	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Hemispherical asymmetry in reports gene or protein expression related to mood disorders in the brain of rodents: a pilot systematic review	MAURICIO SCHULER NIN <sup>1</sup> , FELIPE B. ALMEIDA <sup>2</sup> , FERNANDA F. S. DA SILVA <sup>3</sup> , ALAN R. FONSECA <sup>4</sup> , CARINA F. FEDDERN <sup>5</sup> , GREICE CALETTI <sup>1</sup> , ROSANE GOMEZ <sup>2</sup> , HELENA M. T. BARROS <sup>5</sup>	<sup>1</sup> Pharmacology Department - UFRGS, Porto Alegre, Brazil, IPA Medista, Porto Alegre, Brazil, <sup>2</sup> Pharmacology Department - UFRGS, Porto Alegre, Brazil, <sup>3</sup> Pharmacology Department - UFRGS, Porto Alegre, Brazil, <sup>4</sup> Pharmacology Department - UFRGS, Porto Alegre, Brazil, <sup>5</sup> Pharmacology Department - UFRGS, Porto Alegre, Brazil	P-03-0517
P32.17	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Galectin-1 improves cognition and reduces Amyloid- $\beta$ deposits in an animal model of Alzheimer's disease possibly by modulating microglia phenotype and increasing A $\beta$ clearance	JESSICA LORENA PRESA <sup>1</sup> , CARLOS POMILIO <sup>1</sup> , ANELES VINUESA <sup>1</sup> , MELISA BENTIVEGNA <sup>1</sup> , AGUSTINA ALAIMO <sup>1</sup> , AMAL GREGOSA <sup>1</sup> , KWANG SIK KIM <sup>2</sup> , JUAN BEAQUJUIS <sup>1</sup> , GABRIEL RABINOVICH <sup>1</sup> , FLAVIA SARAVIA <sup>1</sup>	<sup>1</sup> Faculty of Exact and Natural Sciences, University of Buenos Aires & IBYME, Buenos Aires, Argentina, <sup>2</sup> Faculty of Exact and Natural Sciences, University of Buenos Aires, Buenos Aires, Argentina, <sup>3</sup> John Hopkins University, Baltimore, USA	P-03-0509
P32.18	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Modulation of microglia and presynaptic protein expression after mesenchymal stem cells treatment in a rat model of Alzheimer's disease	MARIA FLORENCIA ZAPPA VILLAR <sup>1</sup> , JULIETTE LOPEZ HANOTTE <sup>1</sup> , JOAQUIN PARDO <sup>1</sup> , GUSTAVO RAMON MOREL <sup>1</sup> , MARIANA GABRIELA GARCIA <sup>2</sup> , PAULA CECILIA REGGIANI <sup>1</sup>	<sup>1</sup> CONICET - National University of La Plata (UNLP), La Plata, Argentina, <sup>2</sup> CONICET - Universidad Austral, Pilar, Argentina	P-03-0505
P32.19	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Sex-specific alterations in behavior and neuroinflammation in a mouse model of autism	AMACHA DEPINO <sup>1</sup> , NADIA KAZLAUSKAS <sup>1</sup> , ARACELI SEIFFE <sup>1</sup> , MARCOS CAMPOLONGO <sup>1</sup> , CECILIA ZAPPALA <sup>1</sup>	<sup>1</sup> University of Buenos Aires-CONICET, Buenos Aires, Argentina	P-03-0504
P32.20	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Psychostimulants are not identical pharmacological agents: distinct effects of psychostimulant drugs on the regulation of class IIa HDACs in the mouse mesocorticolimbic and striatal systems	VERONICA BISAGNO <sup>1</sup> , MARIA ALEJANDRA BERNARDI <sup>1</sup> , OSCAR TORRES <sup>1</sup> , MAXIMO SOSA <sup>1</sup> , JAVIER MUJIZ <sup>2</sup> , FRANCISCO URBANO <sup>3</sup> , EDGAR GARCIA-RILL <sup>4</sup> , JEAN LUD CADET <sup>5</sup>	<sup>1</sup> ININFA UBA-CONICET, Buenos Aires, Argentina, <sup>2</sup> San Diego Mesa College, Department of Behavioral Sciences, San Diego, USA, <sup>3</sup> IBYME UBA-CONICET, Buenos Aires, Argentina, <sup>4</sup> CTN, Department of Neurobiology and Developmental Science, UAMS, Little Rock, USA, <sup>5</sup> NHINDA, Molecular Neuropsychiatry Research Branch, Baltimore, USA	P-03-0503
P32.21	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Manipulation of macrophage polarization to facilitate repair in injured spinal cord	SIN-NING SHANNON HO <sup>1</sup> , KIN-WAI TAM <sup>2</sup> , GRAHAM KAHON SHEA <sup>3</sup> , DAISY KWOK-YAN SHUM <sup>4</sup> , YING-SHING CHAN <sup>5</sup>	<sup>1</sup> Department of Orthopaedics and Traumatology, The University of Hong Kong, Hong Kong, Hong Kong SAR, China, <sup>2</sup> School of Biomedical Sciences and State Key Laboratory of Brain and Cognitive Sciences, The University of Hong Kong, Hong Kong, Hong Kong SAR, China, <sup>3</sup> School of Biomedical Sciences, The University of Hong Kong, Hong Kong, Hong Kong SAR, China, <sup>4</sup> School of Biomedical Sciences, The University of Hong Kong, Hong Kong, Hong Kong SAR, China, <sup>5</sup> School of Biomedical Sciences, The University of Hong Kong, Hong Kong, Hong Kong SAR, China	P-03-0499
P32.22	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Short-term hypoxia differentially affects excitatory and inhibitory retrocollicular synaptic transmission	HANNA DUMANSKA <sup>1</sup> , NICKOLAI VESELOVSKY <sup>1</sup>	<sup>1</sup> Bogomoletz Institute of Physiology, National Academy of Science of Ukraine, Kyiv, Ukraine	P-03-0493
P32.23	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	The effect of sodium iodate on vitrectomized canine retinal degeneration model	SEONGKWANG CHA <sup>1</sup> , JUNGRYUL AHN <sup>1</sup> , YURIM JEONG <sup>1</sup> , SEONG-WOO KIM <sup>2</sup> , YONG SOOK GOO <sup>1</sup>	<sup>1</sup> Department of Physiology, Chungbuk National University School of Medicine, Cheongju, Korea, Republic of, <sup>2</sup> Department of Ophthalmology, Korea University College of Medicine, Seoul, Korea, Republic of	P-03-0474
P32.24	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Perineuronal Net Alterations as a Putative Mechanism of Behavioral and Neural Alterations in DISC-1 Mutation Model of Schizophrenia	RAZIA SULTANA <sup>1</sup> , CHARLES LEE <sup>1</sup>	<sup>1</sup> Department of Comparative Biomedical Sciences, School of Veterinary Medicine, Louisiana State University, Baton Rouge, USA	P-03-0471
P32.25	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	The effect of alpha-mangosin and alpha-mangosin nanoencapsulated in rotenone-induced Parkinson's disease mice	ROMGASE SAKAMULA <sup>1</sup> , WACHIRYAH THONG-ASA <sup>1</sup>	<sup>1</sup> Kasetsart University, Bangkok, Thailand	P-03-0470
P32.26	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Paint thinner inhalation induces behavioral impairment, altered neurogenesis and molecular changes in the hippocampus of adult mice	HANAA MALLOUL <sup>1</sup> , SARA BONZANO <sup>2</sup> , MOHAMMED BENNIS <sup>1</sup> , GIOVANNA GAMBAROTTA <sup>3</sup> , SILVIA DE MARCHEIS <sup>4</sup> , SAADIA BA-MHAMED <sup>1</sup>	<sup>1</sup> Faculty of Science Semlalia, Cadi Ayyad University, Marrakech, Morocco, <sup>2</sup> Department of Life Sciences and Systems Biology, University of Turin, Turin, Italy, <sup>3</sup> Department of Clinical and Biological Sciences, University of Turin, Orbassano, Italy, <sup>4</sup> Department of Life Sciences and Systems Biology, University of Turin, Turin, Italy	P-03-0467
P32.27	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Methyl Jasmonate Abrogates Rotenone-induced Parkinsonian-like Symptoms Through Inhibition Of Oxidative Stress, Release of Pro-inflammatory Cytokines, Nuclear Factor Kappa-B and $\alpha$ -synuclein Expressions	SOLOMON UMUKORO <sup>1</sup> , AKINYINKA ALABI <sup>1</sup> , ABAYOMI AJAYI <sup>1</sup> , ADEWALE BAKRE <sup>1</sup>	<sup>1</sup> University of Ibadan, Ibadan, Nigeria, <sup>2</sup> Olabisi Onabanjo University, Shagamu, Nigeria	P-03-0464
P32.28	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	The neuroprotective role of hSP-2 in a Drosophila model of Parkinson's disease	SHARMIN SHRINA <sup>1</sup> , HEA-JONG CHUNG <sup>1</sup> , ISLAM MD SAIDL <sup>1</sup> , SEONG-TSHOOL HONG <sup>1</sup>	<sup>1</sup> Department of Biomedical Sciences and Institute for Medical Science, Chonbuk National University Medical School, Jeonju, Korea, Republic of	P-03-0449
P32.29	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	The neuroprotective function of dSP-2 in a Drosophila model of Parkinson's disease	ISLAM MD MINARUL <sup>1</sup> , ISLAM MD SAIDL <sup>1</sup> , HEA-JONG CHUNG <sup>1</sup> , SEONG-TSHOOL HONG <sup>1</sup>	<sup>1</sup> Chonbuk National University Medical School, Jeonju, Korea, Republic of	P-03-0448
P32.30	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Clozapine-induced chemogenetic activation augment the post-stroke recovery in capsular infarct model	SUNWOO LEE <sup>1</sup> , SEUNJUN RYU <sup>1</sup> , JONGWOOK CHO <sup>1</sup> , RA GYUNG KIM <sup>1</sup> , JUN SOO KIM <sup>1</sup> , JI-YOUNG PARK <sup>1</sup> , SOYEON JUNG <sup>1</sup> , HYONG-IH KIM <sup>1</sup>	<sup>1</sup> Gwangju Institute of Science and Technology Neuromodulation Laboratory, Gwangju, Korea, Republic of	P-03-0446
P32.31	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Genetic aspect of leukodystrophies in moroccan population	ADNANE KARKAR <sup>1</sup> , IMEN DORBOZ <sup>2</sup> , SELLAMA NADIFI <sup>1</sup> , ODILE BOESPFLUG-TANGUY <sup>2</sup>	<sup>1</sup> Genetics and Molecular Pathology Laboratory, Medical school of Casablanca, Hassan II University, Casablanca, Morocco, <sup>2</sup> Inserm U1141, Paris Diderot University, Sorbonne Paris Cité, DHU PROTECT, Robert Dabry Hospital, Paris, France	P-03-0430
P32.32	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Molecular mechanisms of G protein-coupled receptor signaling in the modulation of anxiety and conditioned fear	MEUKJUNG KO <sup>1</sup> , TERRANCE CHIANG <sup>2</sup> , ARBAAZ NIKADAM <sup>3</sup> , GRACE MUIJA <sup>4</sup> , JULIA CHESTER <sup>5</sup> , RICHARD VAN RIJN <sup>1</sup>	<sup>1</sup> Dept. of Medicinal Chemistry and Molecular Pharmacology, College of Pharmacy, Purdue University, West Lafayette, IN, USA, <sup>2</sup> Dept. of Medicinal Chemistry and Molecular Pharmacology, College of Pharmacy, Purdue University, West Lafayette, USA, <sup>3</sup> Dept. of Psychological Sciences, College of Health and Human Sciences, Purdue University, West Lafayette, IN, USA, <sup>4</sup> Dept. of Psychological Sciences, College of Health and Human Sciences, Purdue University, West Lafayette, IN, USA	P-03-0427
P32.33	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Correlation between decrease of neuronal noise and depressive symptom severity.	SEOKHO YUN <sup>1</sup> , BUMSEOK JEONG <sup>1</sup>	<sup>1</sup> Graduate School of Medical Science & Engineering, KAIST, Daejeon, Korea, Republic of	P-03-0424

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P32.34	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Screening for SGCE mutations in Moroccan sporadic patients with Myoclonus-Dystonia Syndrome	LAILA RACHAD <sup>1</sup> , HICHAM EL OTMANI <sup>2</sup> , SELLAMA NADIFI <sup>2</sup>	<sup>1</sup> University Hassan II, Faculty of Medicine and Pharmacy of Casablanca, Morocco, Casablanca, Morocco, <sup>2</sup> Hassan II University, Faculty of Medicine and Pharmacy of Casablanca, Morocco, Casablanca, Morocco	P-03-0421
P32.35	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Sleep EEG as an index of brain maturation in typically developing and drug-naïve ADHD children	NATO DARCHIA <sup>1</sup> , TAMAR BASISHVILI <sup>1</sup> , MARINE ELIOZISHVILI <sup>1</sup> , NIKOLOZ ONIANI <sup>1</sup> , TINATIN TCHINTCHARAULI <sup>1</sup> , IRINE SAKHELASHVILI <sup>1</sup> , TENGZIZ ONIANI JR <sup>1</sup> , IAN GLENN CAMPBELL <sup>2</sup> , IRWIN FEINBERG <sup>4</sup>	<sup>1</sup> Iliia State University, T. Oniani Laboratory of Sleep-Wakefulness Cycle Study, Tbilisi, Georgia, <sup>2</sup> Iliia State University, T. Oniani Laboratory of Sleep-Wakefulness Cycle Study, Tbilisi, Georgia, <sup>3</sup> Iliia State University, T. Oniani Laboratory of Sleep-Wakefulness Cycle Study, Tbilisi, Georgia, <sup>4</sup> University of California, Davis, Department of Psychiatry and Behavioral Sciences, Davis, USA	P-03-0415
P32.36	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Associations of white matter hyperintensities with poststroke depression: A one year longitudinal study	GYUON KIM <sup>1</sup> , JAE-MIN JAE-MIN <sup>2</sup>	<sup>1</sup> Chonnam National University Hospital, Gwangju, Korea, Republic of, <sup>2</sup> Chonnam national university, Gwangju, Korea, Republic of	P-03-0411
P32.37	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Delineation of brain structural connectivity in Schizophrenia at different stages	AKIKO UEMATSU <sup>1</sup> , HIDENORI YAMASUE <sup>2</sup> , KIYOTO KASAI <sup>1</sup> , SHINSUKE KOIKE <sup>1</sup>	<sup>1</sup> Graduate School of Arts and Science Center for Evolutionary Cognitive Sciences, the University of Tokyo, Tokyo, Japan, <sup>2</sup> Department of Psychiatry, Hamamatsu University School of Medicine, Hamamatsu, Japan, <sup>3</sup> Department of Neuropsychiatry, the University of Tokyo Hospital, Tokyo, Japan	P-03-0410
P32.38	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	The prolyl hydroxylase inhibitor - ethyl-3,4-dihydroxy benzoate (EDHB) can enhance functional recovery and reduce injury severity in a rodent model of endothelin-1 induced focal stroke	NICOLE JONES <sup>1</sup> , THOMAS FATH <sup>2</sup> , HONG NGUYEN <sup>1</sup>	<sup>1</sup> School of Medical Sciences, UNSW Sydney, Sydney, Australia, <sup>2</sup> Dementia Research Centre, Department of Biomedical Sciences, Macquarie University, Sydney, Australia	P-03-0408
P32.39	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	LRK2 KINASE ACTIVITY REGULATES $\alpha$ -SYNUCLEIN SPREADING VIA RAB35 PHOSPHORYLATION	EUN-JIN KIM <sup>1</sup> , DONG-KYU KIM <sup>1</sup> , CHANGYOUN KIM <sup>1</sup> , EDWARD ROCKENSTEIN <sup>2</sup> , AYSE ULUSOY <sup>3</sup> , MICHAEL KLINCKENBERG <sup>4</sup> , GA RAM JEONG <sup>5</sup> , JAE RYUL BAE <sup>5</sup> , HE-JIN LEE <sup>6</sup> , BYUNG-DAE LEE <sup>7</sup> , DONATO A DI MONTE <sup>8</sup> , ELIEZER MASLIAH <sup>9</sup> , SEUNG-JAE LEE <sup>1</sup>	<sup>1</sup> Seoul National University, College of Medicine, Seoul, Korea, Republic of, <sup>2</sup> Molecular Neuropharmacology Section, Laboratory of Neurogenetics, National Institute on Aging, National Institutes of Health, Bethesda, USA, <sup>3</sup> Department Neurosciences, School of Medicine, University of California, San Diego, USA, <sup>4</sup> German Center for Neurodegenerative Diseases (DZNE), Bonn, Germany, <sup>5</sup> Department of Neuroscience, Graduate School, Kyung Hee University, Seoul, Korea, Republic of, <sup>6</sup> Department of Anatomy, School of Medicine, Konkuk University, Seoul, Korea, Republic of, <sup>7</sup> Department of Physiology, School of Medicine, Kyung Hee University, Seoul, Korea, Republic of	P-03-0400
P32.40	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Long-term Outcome of Subthalamic Nucleus Deep Brain Stimulation for Parkinson's Disease: 10 Years and Beyond	HYE RAN PARK <sup>1</sup> , SUN HA PAEK <sup>2</sup>	<sup>1</sup> Schonchunghyang University Seoul Hospital, Seoul, Korea, Republic of, <sup>2</sup> Seoul National University Hospital, Seoul, Korea, Republic of	P-03-0384
P32.41	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	The NAc-DBS alleviates major depressive behavior in rodents	SONG NAN <sup>1</sup> , GAO YAN <sup>2</sup> , LI BING <sup>2</sup> , WANG YIZHENG <sup>2</sup>	<sup>1</sup> Beijing Institute of Basic Medical Sciences, Beijing, China, <sup>2</sup> The Academy of Military Medical Sciences, Institute of Military Cognition and Brain Sciences, Beijing, China	P-03-0380
P32.42	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Serum IGF-1 deficiency and Alzheimer's disease: implications for disease modeling	JONATHAN ZEGARRA <sup>1</sup> , ANDREA SANTI <sup>2</sup> , ESTRELLA F6 RANDEZ DE SEVILLA <sup>2</sup> , ANGEL NUÑEZ <sup>2</sup> , IGNACIO TORRES <sup>2</sup>	<sup>1</sup> -Cajal Institute 2- CIBERNED 3- Universidad Nacional de San Agustín de Arequipa, Arequipa, Peru, <sup>1</sup> - Cajal Institute 2- CIBERNED, Madrid, Spain, <sup>2</sup> Dept Neurosciences, UAM, Madrid, Spain, Madrid, Spain	P-03-0359
P32.43	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Effects of curcumin on ultrastructural changes in pericytes and vascular basement membrane in the peripheral nerve and dorsal root ganglion of rats with cisplatin-induced neuropathy	PHETNARIN KOBUTREE <sup>1</sup> , DEPICHA JINDATIP <sup>1</sup> , ATTAYARUOMWONG <sup>1</sup> , SITHIPORN AGTHONG <sup>1</sup>	<sup>1</sup> Chulalongkorn University, Bangkok, Thailand	P-03-0357
P32.44	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Characterization of synaptic and behavioral phenotypes in mice carrying a <i>de novo</i> Shank3 mutation Q321R	YE-EUN YOY <sup>1</sup> , TAESUN YOO <sup>1</sup> , SEUNGJOON LEE <sup>1</sup> , JISEOK LEE <sup>1</sup> , DOYOUN KIM <sup>2</sup> , HYE-MIN HAN <sup>2</sup> , YONG-CHUL BAE <sup>1</sup> , LUNJOON KIM <sup>2</sup>	<sup>1</sup> Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea, Republic of, <sup>2</sup> Institute for Basic Science (IBS), Daejeon, Korea, Republic of, <sup>3</sup> Kyungpook National University, Daegu, Korea, Republic of	P-03-0355
P32.45	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Autophagic death of neural stem cells mediates chronic stress-induced decline of adult hippocampal neurogenesis and cognitive deficits	SEONGHEE JUNG <sup>1</sup> , SEONGWON CHOE <sup>1</sup> , HANWOONG WOO <sup>1</sup> , HYEONJEONG JEONG <sup>1</sup> , HYUNKYU AN <sup>1</sup> , HYE YOUNG RYU <sup>1</sup> , BO KYOUNG YEO <sup>1</sup> , YE WON LEE <sup>1</sup> , JI YOUNG MUN <sup>2</sup> , HAN KYOUNG CHOE <sup>1</sup> , ELUN-KYOUNG KIM <sup>2</sup> , SEONG-WOON YU <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of, <sup>2</sup> University, Daejeon, Korea, Republic of, <sup>3</sup> DGIST, Daegu, Korea, Republic of	P-03-0351
P32.46	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Rapid-onset anti-depressant-like potential of xylopic acid in mice and zebrafish	ROBERT BINET <sup>1</sup> , CHARLES BENNEH <sup>2</sup> , DONATUS ADONGO <sup>3</sup> , ERIC WOODO <sup>3</sup>	<sup>1</sup> Department of Pharmacology, University of Cape Coast, Cape Coast, Ghana, <sup>2</sup> Department of Pharmacology, University of Health and Allied Sciences, Ho, Ghana, <sup>3</sup> Department of Pharmacology, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana	P-03-0341
P32.47	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	LRK2 regulates microglial neurotoxicity via NFATc2 in synucleinopathies	CHANGYOUN KIM <sup>1</sup> , SUNGYONG YOO <sup>2</sup> , ROBERT RISSMAN <sup>3</sup> , SEUNG-JAE LEE <sup>4</sup> , ANDREW SINGLETON <sup>5</sup> , MARK COOKSON <sup>6</sup> , ELIEZER MASLIAH <sup>7</sup>	<sup>1</sup> National Institute on Aging, Bethesda, USA, <sup>2</sup> Departments of Surgery and Biomedical Sciences, Cedars-Sinai Medical Center, Los Angeles, USA, <sup>3</sup> Department Neurosciences, School of Medicine, University of California, San Diego, La Jolla, USA, <sup>4</sup> Department of Biomedical Sciences, Neuroscience Research Institute, and Department of Medicine, Seoul National University College of Medicine, Seoul, Korea, Republic of, <sup>5</sup> Molecular Genetics Section, Laboratory of Neurogenetics, National Institute on Aging, National Institutes of Health, Bethesda, USA, <sup>6</sup> Cell Biology and Gene Expression Section, Laboratory of Neurogenetics, National Institute on Aging, National Institutes of Health, Bethesda, USA, <sup>7</sup> Molecular Neuropharmacology Section, Laboratory of Neurogenetics, National Institute on Aging, National Institutes of Health, Bethesda, USA	P-03-0340
P32.48	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Tornado-FLIM acquisition for monitoring single-synapse presynaptic calcium dynamics in a mouse model of a migraine	OLGA TYURIKOVA <sup>1</sup> , ELIZABETH NICHOLSON <sup>1</sup> , DIMITRI MICHAEL KULLMANN <sup>1</sup> , DIMITRI RUSAKOV <sup>1</sup> , KIRILL VOLYNSKI <sup>1</sup>	<sup>1</sup> UCL Institute of Neurology, London, UK	P-03-0336
P32.49	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Circadian oscillation of A $\beta$ -related molecules at the blood cerebrospinal fluid barrier	TELMA QUINTELA <sup>1</sup> , ANA CATERINA DUARTE <sup>1</sup> , ISABEL GONCALVES <sup>1</sup> , ANDRÉ FURTADO <sup>2</sup> , CECILIA SANTOS <sup>1</sup>	<sup>1</sup> University of Beira Interior, Health Sciences Research Centre (CICS-UBI), Covilhã, Portugal	P-03-0335
P32.50	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Modified excitability and persistent sodium current amplitude in cortical pyramidal neurons from a mouse model of Amyotrophic Lateral Sclerosis	CRISTINA ZONA <sup>1</sup> , LUANA SABA <sup>1</sup> , SILVIA CIAOLI <sup>2</sup>	<sup>1</sup> University of Rome Tor Vergata, Roma, Italy, <sup>2</sup> R.C.C.S. Fondazione S. Lucia, Roma, Italy	P-03-0333
P32.51	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Association of circulating Klotho and dipeptidyl peptidase-4 activity with inflammatory cytokines in elderly patients with Alzheimer's disease	MOHSEN SEDIGHI <sup>1</sup> , TOURANDOKHT BALUCHNEJADMOJARRAD <sup>2</sup> , SOUDABEH FALLAH <sup>3</sup> , NARIMAN MORADI <sup>3</sup> , SIAMAK AFSHIN-MAJID <sup>4</sup> , MEHRDAD ROGHANI <sup>5</sup>	<sup>1</sup> Department of Neuroscience, Faculty of Advanced Technologies in Medicine, Iran University of Medical Sciences, Tehran, Iran, <sup>2</sup> Department of Physiology, School of Medicine, Iran University of Medical Sciences, Tehran, Iran, <sup>3</sup> Department of Biochemistry, School of Medicine, Iran University of Medical Sciences, Tehran, Iran, <sup>4</sup> Department of Neurology, School of Medicine, Shahed University, Tehran, Iran, <sup>5</sup> Neurophysiology Research Center, Shahed University, Tehran, Iran	P-03-0329
P32.52	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Heterozygosity for Nuclear Factor One X in mice reveals neurological features of Malan syndrome.	SABRINA OISHI <sup>1</sup> , DANYON HARKINS <sup>1</sup> , NYOMAN KURNIAWAN <sup>2</sup> , TOM J. BURNE <sup>3</sup> , MICHAEL PIPER <sup>1</sup>	<sup>1</sup> The School of Biomedical Sciences, The University of Queensland, Brisbane, Australia, <sup>2</sup> The Centre for Advanced Imaging, The University of Queensland, Brisbane, Australia, <sup>3</sup> The Queensland Brain Institute, The University of Queensland, Queensland Centre for Mental Health Research, The Park Centre for Mental Health, Brisbane, Australia	P-03-0317
P32.53	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Assessment of the Types and Factors Associated with Stroke Among Adult Patients Admitted in Adama Hospital Medical College, Ethiopia.	TADESSE SEDA BEDASSA <sup>1</sup>	<sup>1</sup> Adama Hospital Medical College, Adama, Ethiopia	P-03-0316
P32.54	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Early growth response-1 stimulates acetylcholinesterase during the course of Alzheimer's disease	A-JIN BAO <sup>1</sup> , YU-TING HU <sup>1</sup> , XIN-LU CHEN <sup>1</sup> , SHU-HAN HUANG <sup>1</sup> , JACKSON BOONSTRAT <sup>2</sup> , HUGO MCGURRAN <sup>2</sup> , DICK SWAAB <sup>2</sup>	<sup>1</sup> Department of Neurobiology, Zhejiang University School of Medicine, Hangzhou, China, <sup>2</sup> Netherlands Institute for Neuroscience, an Institute of the Royal Netherlands Academy of Arts and Sciences, Amsterdam, Netherlands	P-03-0312
P32.55	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Effects of Pueraria lobate and its active compound, Puerarin in the Animal Model of Parkinson's Disease	NA-HYUN KIM <sup>1</sup> , YE-JIN KIM <sup>2</sup> , SO-YEON JEON <sup>2</sup> , YUKIORI GOTO <sup>3</sup> , JAE-SUE CHOI <sup>4</sup> , YOUNG-A LEE <sup>2</sup>	<sup>1</sup> Daegu Catholic University, Gyeongsan-si, Gyeongbuk, Korea, Republic of, <sup>2</sup> Daegu Catholic University, Gyeongsan-si, Gyeongbuk, Korea, Republic of, <sup>3</sup> Kyoto University, Primate Research Institute, Inuyama, Aichi, Japan, <sup>4</sup> Pukyong National University, Busan, Korea, Republic of	P-03-0310
P32.56	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Evaluation of inflammatory markers, prolectin and mean platelet volume as short-term outcome indicators in young adults with ischemic stroke	AHMED DAHSHAN <sup>1</sup> , ASMAA EBRAHEIM <sup>1</sup> , AHMED ELGHONEIMY <sup>1</sup> , MOHAMMED FARRAG <sup>1</sup> , LAILA RASHED <sup>1</sup>	<sup>1</sup> Cairo University, Cairo, Egypt	P-03-0305
P32.57	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Valerenic acid treatment in a mouse model of Parkinson's disease	ALFREDO RODRIGUEZ-CRUZ <sup>1</sup> , JESICA ESCOBAR-CABRERA <sup>1</sup> , GADADALUPE GARCIA-ALCOCCER <sup>1</sup> , LAURA CRISTINA BERUMEN <sup>1</sup>	<sup>1</sup> Posgrado Ciencias Químico Biológicas, Facultad de Química, Universidad Autónoma de Querétaro, México, Querétaro, Mexico	P-03-0301
P32.58	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Activation of Adenosine A2A receptor-containing indirect medium spiny neurons in the dorsomedial striatum reduces ethanol containing conditioned reward seeking	SA-IK HONG <sup>1</sup> , SEOUNGWOONG KANG <sup>1</sup> , JIANG-FAN CHEN <sup>2</sup> , DOO-SUP CHOI <sup>1</sup>	<sup>1</sup> Mayo Clinic College of Medicine, Rochester, USA, <sup>2</sup> Boston University School of Medicine, Boston, USA	P-03-0300
P32.59	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	The antidepressant effect of STEP inhibitor (TC-2153) and its influence on the serotonergic 5-HT <sub>2A</sub> receptors in the brain.	ELIZABETH KHLIKOVA <sup>1</sup> , NIKITA KHOTSKIN <sup>1</sup> , NINA ILLARIONOVA <sup>1</sup> , IVAN SOROKIN <sup>1</sup> , KONSTANTIN VOLCHO <sup>2</sup> , ALEXANDER KULIKOV <sup>1</sup>	<sup>1</sup> Institute of Cytology and Genetics, Novosibirsk, Russia, <sup>2</sup> Novosibirsk Institute of Organic Chemistry, Novosibirsk, Russia	P-03-0293
P32.60	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	A Distinct Pathogenic Mechanism of Tau Aggregation Involving Hyperubiquitination	JI HYEON KIM <sup>1</sup> , MIN JAE LEE <sup>1</sup>	<sup>1</sup> Seoul National University College of Medicine, Seoul, Korea, Republic of	P-03-0290
P32.61	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Alterations of Limbic-Prefrontal Cortical Functional Connectivity in the Animal Model of ADHD and Its Modulation by <i>Eclosionia Stolonifera Okamura</i>	SO-YEON JEON <sup>1</sup> , NA-HYUN KIM <sup>1</sup> , YE-JIN KIM <sup>1</sup> , YUKIORI GOTO <sup>2</sup> , JAE-SUE CHOI <sup>3</sup> , YOUNG-A LEE <sup>1</sup>	<sup>1</sup> Daegu Catholic University, Gyeongsan, Korea, Republic of, <sup>2</sup> Primate Research Institute, Kyoto University, Inuyama, Aichi, Japan, <sup>3</sup> Pukyong National University, Busan, Korea, Republic of	P-03-0285
P32.62	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	The Effect of Exaggerated Induced Inflammatory Disorders and Related Disturbances in Microglia-Neuron Homeostasis on the Precipitation and Remission of Neurological disorders	MAI ANWAR <sup>1</sup>	<sup>1</sup> Department of Biochemistry, National Organization for Drug Control and Research (NODCAR), Egypt, Cairo, Egypt	P-03-0282
P32.63	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Kolaviron improves behavioral outcomes and cortico-hippocampal morphology in mice following cuprizone neurotoxicity	GABRIEL OMOTOSO <sup>1</sup> , OLAYEMI OLAJIDE <sup>1</sup> , ISMAIL GBADAMOSI <sup>1</sup> , BERNARD ENAIBE <sup>1</sup> , OLUWOLE AKINOLA <sup>1</sup> , BAMIDELE OWOYELE <sup>1</sup> , JOSEPH ADEBAYO <sup>1</sup>	<sup>1</sup> University of Ilorin, Ilorin, Nigeria	P-03-0280
P32.64	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Sex-specific involvement of indirect-pathway medium spiny neurons in behavioral alteration of 16p11.2 hemi-deletion mouse model	JAENGYOUN KIM <sup>1</sup> , CHRISTOPHER ANGELAKOS <sup>2</sup> , JOSEPH LYNCH <sup>2</sup> , SARAH FERRI <sup>1</sup> , TED ABEI <sup>1</sup>	<sup>1</sup> Molecular Physiology and Biophysics, Iowa Neuroscience Institute, University of Iowa, Iowa City, USA, <sup>2</sup> Neuroscience Graduate Group, University of Pennsylvania, Philadelphia, USA	P-03-0279
P32.65	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	1-methyltryptophan, an IDO inhibitor protects against neuroinflammation, mitochondrial dysfunction, oxidative stress and apoptosis in 6-OHDA-induced Parkinson's disease in mice.	RUPINDER KAUR SODHI <sup>1</sup> , YASHIKA BANSAL <sup>1</sup> , RAGHUNATH SINGH <sup>1</sup> , PRIYANKA SAROJ <sup>1</sup> , ANURAG KUHAD <sup>1</sup>	<sup>1</sup> Pharmacology Research Laboratory, University Institute of Pharmaceutical Sciences, Panjab University, Chandigarh, Chandigarh, India	P-03-0277
P32.66	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Targeting glutamate receptors: a novel approach to frontotemporal dementia?	OLGA KOPACH <sup>1</sup> , NOEMI ESTERAS <sup>2</sup> , DMITRI A. RUSAKOV <sup>1</sup> , ANDREY Y. ABRAMOV <sup>2</sup>	<sup>1</sup> Department of Clinical and Experimental Epilepsy, Institute of Neurology, University College London, London, UK, <sup>2</sup> Department of Molecular Neuroscience, Institute of Neurology, University College London, London, UK	P-03-0276

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P32.67	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Protective effects of diarylpropionitrile against hydrogen peroxide-induced damage in human neuroblastoma SH-SY5Y cells	<b>WIPARAT SUTHPRASERTPORN<sup>1</sup></b> , NIRUT SUWANNA <sup>2</sup> , NIPPANAW THANGNIPON <sup>3</sup>	<sup>1</sup> Research Center for Neuroscience, Institute of Molecular Biosciences, Mahidol University, Nakhonpathom, Thailand, <sup>2</sup> Department of Companion Animal Clinical Sciences, Faculty of Veterinary Medicine, Kasetsart University, Kamphaeng Saen, Nakhonpathom, Thailand	P-03-0275
P32.68	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Effects of B1-6-12 on ultrastructural changes in pericytes and vascular basement membranes in the peripheral nerve of rats with cisplatin-induced neuropathy	<b>SITHPORAN AGTHONG<sup>1</sup></b> , DEPICHA JINDATIP <sup>1</sup> , ATITAYA ROUMWONG <sup>1</sup>	<sup>1</sup> Department of Anatomy, Faculty of Medicine, Chulalongkorn University, Bangkok, Thailand	P-03-0272
P32.69	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Quinolinic acid induces depression-like symptoms via N1ZARE pathway in olfactory bulbectomized mice model of depression: In vivo and in silico studies	<b>YASHIKA BANSAL<sup>1</sup></b> , RAGHUNATH KHATRI <sup>1</sup> , RUPINDER KAUR SODHI <sup>1</sup> , PRIYANKA SAROJ <sup>1</sup> , RICHA DHINGRA <sup>2</sup> , PRAGYANSHU KHARE <sup>3</sup> , MAHENDRA BISHNOI <sup>4</sup> , KANTHI KIRAN KONDUPUDI <sup>5</sup> , NEELIMA DHINGRA <sup>6</sup> , ANURAG KHUAD <sup>7</sup>	<sup>1</sup> Pharmacology Research Lab, University Institute of Pharmaceutical Sciences, Panjab University, Chandigarh, India, <sup>2</sup> Pharmaceutical Research Lab, University Institute of Pharmaceutical Sciences, Panjab University, Chandigarh, India, <sup>3</sup> Food and Nutritional Biotechnology, National Agri-Food Biotechnology Institute, SAS Nagar, Punjab, India	P-03-0270
P32.70	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Resting state fMRI based target selection for individualized rTMS: Stimulation over the left parietal cortex enhances memory in patients with Alzheimer's disease	<b>JINTAO WANG<sup>1</sup></b> , LILI WEI <sup>1</sup> , YINGCHUN ZHANG <sup>1</sup> , LUOYI XU <sup>1</sup> , KEHUA YANG <sup>1</sup> , WEI CHEN <sup>1</sup>	<sup>1</sup> Department of Psychiatry, Sir Run Run Shaw Hospital, Zhejiang University School of Medicine, and Key Laboratory of Medical Neurobiology of Zhejiang Province, Hangzhou, Zhejiang, China	P-03-0268
P32.71	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	In Vivo Confocal Microscopy Findings in Multiple Sclerosis Patients	<b>ERDOST YILDIZ<sup>1</sup></b> , AYGE YILDIZ TAŞ <sup>2</sup> , AFSUN SAHİN <sup>1</sup>	<sup>1</sup> Koc University, Istanbul, Turkey	P-03-0263
P32.72	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Selenium reduces pain perception in acute 1-methyl-4-phenyl-1, 2, 3, 6-tetrahydropyridine (MPTP)-induced mouse model of Parkinson's disease	<b>BAMDELE OWOYELE<sup>1</sup></b> , PATRICK ABOLARIN <sup>1</sup> , ABDULRAZAQ NAFIU <sup>1</sup> , ABDULBASIT AMIN <sup>1</sup> , OLALEKAN OGUNDELE <sup>3</sup>	<sup>1</sup> University of Ilorin, Ilorin, Nigeria, <sup>2</sup> UNIVERSITY OF ILORIN, ILORIN, Nigeria, <sup>3</sup> Louisiana State University, Louisiana, USA	P-03-0262
P32.73	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Neuronal expression of NUSC1, a single-chain variable fragment antibody against Ab oligomers, protects synapses and rescues memory in Alzheimer's disease models	<b>MARIA CLARA SELLES<sup>1</sup></b> , JULIANA FORTUNA <sup>2</sup> , MAGALI CERCATO <sup>3</sup> , ANDRE BITENCOURT <sup>4</sup> , AMANDA SOUZA <sup>5</sup> , VANIA PRADO <sup>6</sup> , MARCO PRADO <sup>7</sup> , ADRIANO SEBOLLELA <sup>8</sup> , OTTAVIO ARANCIO <sup>9</sup> , WILLIAM KLEIN <sup>10</sup> , FERNANDA DE FELICE <sup>11</sup> , DIANA JERUSALINSKY <sup>12</sup> , SERGIO FERREIRA <sup>13</sup>	<sup>1</sup> UFRRJ, Rio de Janeiro, Brazil, <sup>2</sup> Federal University of Rio de Janeiro, Rio de Janeiro, Brazil, <sup>3</sup> University of Buenos Aires, Buenos Aires, Argentina, <sup>4</sup> University of Sao Paulo, Ribeirão Preto, Brazil, <sup>5</sup> University of Rio de Janeiro, Rio de Janeiro, Brazil, <sup>6</sup> University of Western Ontario, London, Canada, <sup>7</sup> Columbia University, New York, USA, <sup>8</sup> Northwestern University, Evanston, USA, <sup>9</sup> University of Rio de Janeiro, Rio de Janeiro, Brazil, <sup>10</sup> University of Buenos Aires, Buenos Aires, Argentina	P-03-0260
P32.74	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	LXR/ApoE Activation Via Intranasal Route Prevent Cognitive Deficits and Facilitates Amyloid Beta Clearance in a Transgenic AD-like Mouse Model	<b>MARIA EUGENIA NAVAS GUIMARAES<sup>1</sup></b> , MARTIN ALEJANDRO BRUNO <sup>1</sup>	<sup>1</sup> Universidad Católica de Cuyo, San Juan, Argentina	P-03-0250
P32.75	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Shank2 deletion in parvalbumin neurons leads to moderate hyperactivity, enhanced self-grooming, and suppressed seizure susceptibility in mice	<b>SEUNGJUN LEE<sup>1</sup></b> , EUNEE LEE <sup>2</sup> , RYUNHEE KIM <sup>1</sup> , JIHYE KIM <sup>1</sup> , SUHO LEE <sup>1</sup> , HARAM PARK <sup>1</sup> , ESTHER YANG <sup>3</sup> , HYUN KIM <sup>1</sup> , EUNJOON KIM <sup>2</sup>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of, <sup>2</sup> IBS / KAIST, Daejeon, Korea, Republic of, <sup>3</sup> Yonsei University, Seoul, Korea, Republic of, <sup>4</sup> IBS, Daejeon, Korea, Republic of, <sup>5</sup> Korea University, Seoul, Korea, Republic of	P-03-0226
P32.76	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Functional study of a novel Charcot-Marie-Tooth disease-related gene: Promoting peripheral nerve regeneration via adeno-associated virus-mediated gene delivery	<b>DEEPAK PRASAD GUPTA<sup>1</sup></b> , SUNG HEE PARK <sup>2</sup> , KYOUNGHO SUK <sup>3</sup> , GYUN JEE SONG <sup>3</sup>	<sup>1</sup> Kyungpook National University, Catholic Kwandong University, Incheon, Korea, Republic of, <sup>2</sup> Catholic Kwandong University, Incheon, Korea, Republic of, <sup>3</sup> Kyungpook National University, Daegu, Korea, Republic of	P-03-0220
P32.77	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Neuroprotective roles of sesamol in regulating sirtuin signaling against oxidative stress and molecular docking analysis	<b>WARALEE RUANKHAM<sup>1</sup></b> , WILASINEE SUWANANG <sup>2</sup> , NAPAT SONGTAWEE <sup>3</sup> , VIRAPONG PRACHAYASITTIKUL <sup>4</sup> , SUPALUK PRACHAYASITTIKUL <sup>5</sup> , KAMONRAT PHOPIN <sup>2</sup>	<sup>1</sup> Department of Clinical Microbiology and Applied Technology, Faculty of Medical Technology, Mahidol University, Bangkok, Thailand, <sup>2</sup> Center for Research and Innovation, Faculty of Medical Technology, Mahidol University, Bangkok, Thailand, <sup>3</sup> Department of Clinical Chemistry, Faculty of Medical Technology, Mahidol University, Bangkok, Thailand, <sup>4</sup> Center of Data Mining and Biomedical Informatics, Faculty of Medical Technology, Mahidol University, Bangkok, Thailand	P-03-0212
P32.78	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Poly(ADP-riboseylation) regulates stress granule dynamics, phase separation, and neurotoxicity of disease-related RNA-binding proteins	<b>YONGJIA DUAN<sup>1</sup></b> , YANSHAN FANG <sup>1</sup>	<sup>1</sup> Interdisciplinary Research Center on Biology and Chemistry, SIOC, Chinese Academy of Sciences, Shanghai, China	P-03-0211
P32.79	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	The retrograde transport of BDNF and pRNGF diminishes with age in basal forebrain cholinergic neurons	<b>MARGARET FAHNESTOCK<sup>1</sup></b> , ARMAN SHEKARI <sup>1</sup>	<sup>1</sup> McMaster University, Hamilton, Canada	P-03-0208
P32.80	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Clinical profile, risk factors and outcome of patients with stroke	<b>BHUPENDRA SHAH<sup>1</sup></b> , MANISH SUBEDI <sup>2</sup> , BIJAY BARTHAULA <sup>3</sup> , VIVEK KATTEL <sup>2</sup>	<sup>1</sup> B. P. Koirala Institute of Health Sciences, Dharan, Nepal, <sup>2</sup> B.P.Koirala Institute of Health Sciences, Dharan, Nepal	P-03-0203
P32.81	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Study of <sup>1</sup> H MRS metabolites in the deep gray matter of patients in the early stage of multiple sclerosis	<b>PETRA HNILICOVA<sup>1</sup></b> , EMA KANTOROVA <sup>2</sup> , WOLFGANG BOONER <sup>3</sup> , MARIAN GREINDLER <sup>4</sup> , DANIEL CIERNY <sup>5</sup> , HUBERT POLACEK <sup>6</sup> , STEFAN SIVAK <sup>7</sup> , KAMIL ZELENAK <sup>8</sup> , EGON KURCA <sup>9</sup> , JAN LEHOTSKY <sup>9</sup>	<sup>1</sup> BioMed Martin - Division of Neurosciences, Jessenius Faculty of Medicine in Martin, Comenius University in Bratislava (JFMED CU), Martin, Slovak Republic, <sup>2</sup> Clinic of Neurology, JFMED CU, Martin, Slovak Republic, <sup>3</sup> Department of Biomedical Imaging and Image-guided Therapy, Medical University Vienna, Austria, <sup>4</sup> BioMed Martin - Bioinformatic unit, JFMED CU, Martin, Slovak Republic, <sup>5</sup> Department of Clinical Biochemistry, JFMED CU, Martin, Slovak Republic, <sup>6</sup> Clinic of Nuclear Medicine, JFMED CU, Martin, Slovak Republic, <sup>7</sup> Clinic of Radiology, JFMED CU, Martin, Slovak Republic, <sup>8</sup> Department of Medical Biochemistry, JFMED CU, Martin, Slovak Republic	P-03-0199
P32.82	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Mitochondrial fitness as promising predictive tool to monitor progression of Parkinson's disease	<b>ZUZANA TATARKOVA<sup>1</sup></b> , IVANA PILCHOVA <sup>2</sup> , MARTIN KOLISEK <sup>3</sup> , MICHAL CIBULKA <sup>4</sup> , JAEKYUNG CECILIA SONG <sup>5</sup> , WONCHEOL CHOI <sup>5</sup>	<sup>1</sup> Comenius University in Bratislava, Jessenius Faculty of Medicine, Department of Medical Biochemistry, Martin, Slovak Republic, <sup>2</sup> Comenius University in Bratislava, Jessenius Faculty of Medicine, Biomedical Center Martin, Martin, Slovak Republic, <sup>3</sup> Graduate Department of Integrative Life Sciences and Nano Nano Center Institute, Dankook University, Yongin, Seoul, Korea, Republic of	P-03-0197
P32.83	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Ketamine ameliorates seizure severity, depressive-like behavior and oxidative stress in pentylenetetrazole-kindled rats	<b>BEN CHINDO<sup>1</sup></b> , SALIHU IDRIS <sup>2</sup> , JAMILU YA'U <sup>3</sup> , GODWIN AYUBA <sup>4</sup> , NUHU DANJUMA <sup>4</sup>	<sup>1</sup> Department of Pharmacology and Toxicology, Kaduna State University, Kaduna, Nigeria, <sup>2</sup> Department of Pharmacology and Therapeutics, Ahmadu Bello University, Zaria, Nigeria, <sup>3</sup> Department of Anatomic Pathology and Forensic Medicine, Kaduna State University, Kaduna, Nigeria	P-03-0192
P32.84	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Multi-Target-Directed Ligands for Management of Alzheimer's Disease Associated Pathogenesis	<b>SHRUTI SHALINI<sup>1</sup></b> , MANISHA TIWARI <sup>1</sup>	<sup>1</sup> University of Delhi, Delhi, India	P-03-0182
P32.85	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Evaluation of the role of ellagic acid on spatial memory activity and oxidative responses in pentylenetetrazole chronic epileptic rat model	<b>PHILEMON PAUL MSHELIA<sup>1</sup></b> , NUHU M. DANJUMA <sup>2</sup> , RABIU A. MAGAJI <sup>3</sup> , TAVERSHIMA DZENDA <sup>4</sup>	<sup>1</sup> Abubakar Tafawa Balewa University, Zaria, Nigeria, <sup>2</sup> Faculty of Pharmaceutical Sciences, Ahmadu Bello University, Zaria, Nigeria, <sup>3</sup> Department of Human Physiology, Ahmadu Bello University, Zaria, Nigeria, <sup>4</sup> Dept. of Veterinary Physiology, Ahmadu Bello University, Zaria, Nigeria	P-03-0177
P32.86	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Neuroprotective role of pioglitazone in reversing hippocampal insulin resistance in Amyloid-β fibrils induced animal model of Alzheimer's disease	<b>SYED OBAIDUR RAHMAN<sup>1</sup></b> , SUHEL PARVEZ <sup>2</sup> , BIBHU PRASAD PANDA <sup>1</sup> , ABUL KALAM NAJMI <sup>1</sup>	<sup>1</sup> School of Pharmaceutical Education and Research (SPER), Jamia Hamdard, New Delhi, India, <sup>2</sup> School of Chemical and Life Sciences, Jamia Hamdard, New Delhi, India	P-03-0176
P32.87	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	The role of DNA damage in TDP-43-associated Amyotrophic Lateral Sclerosis (ALS)	<b>MD SHAFI JAMALI<sup>1</sup></b> , ANNA KONOPKA <sup>1</sup> , ADAM WALKER <sup>1</sup> , JULIE ATKIN <sup>1</sup>	<sup>1</sup> Macquarie University, Sydney, Australia, <sup>2</sup> Macquarie University, Sydney, Australia, <sup>3</sup> Queensland Brain Institute, The University of Queensland, Queensland, Australia	P-03-0134
P32.88	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Fingolimod improves the functional recovery of optic pathway and alleviates the expression level of histone deacetylase / sphingosine 1 phosphate receptor 1 in focal demyelination model of rat's optic chiasm	<b>MONA HASHEMIAN<sup>1</sup></b> , HADI PARSIAN <sup>2</sup> , FARZIN SADEGH <sup>1</sup> , MARYAM GHASEMI-KASMAN <sup>2</sup>	<sup>1</sup> Student Research Committee, Babol University of Medical Sciences, Babol, Iran, Babol, Iran, <sup>2</sup> Neuroscience Research Center, Health Research Institute, Babol University of Medical Sciences, Babol, Iran, Babol, Iran, <sup>3</sup> Department of Clinical Biochemistry, Faculty of Medicine, Babol University of Medical Sciences, Babol, Iran, Babol, Iran, <sup>4</sup> Department of Medical Microbiology, Faculty of Medicine, Babol University of Medical Sciences, Babol, Iran, Babol, Iran	P-03-0130
P32.89	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Ursin reduce neuronal loss and astrocytes activation in chemical kindling model of epilepsy	<b>SEYED RAHELEH AHMADIAN<sup>1</sup></b> , MARYAM GHASEMI-KASMAN <sup>2</sup> , MAHDI POURAMIR <sup>2</sup>	<sup>1</sup> Student Research Committee, Babol University of Medical Sciences, Babol, Iran, Babol, Iran, <sup>2</sup> Cellular and Molecular Biology Research Institute, Faculty of Medicine, Babol University of Medical Sciences, Babol, Iran, Babol, Iran, <sup>3</sup> Cellular and Molecular Biology Research Center, Health Research Center, Babol University of Medical Sciences, Babol, Iran, Babol, Iran	P-03-0129
P32.90	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Long-term therapeutic efficacy of intravenous AAV-mediated hamartin replacement in mouse model of tuberous sclerosis type 1	<b>PIKE SEE CHEAH<sup>1</sup></b> , SHILPA PRABHAKAR <sup>1</sup> , XUAN ZHANG <sup>2</sup> , MAX ZINTER <sup>3</sup> , MARIA GIANATASIO <sup>4</sup> , RODERICK BRONSON <sup>5</sup> , DAVID KWATKOWSKI <sup>6</sup> , ANAT STEMMER-RACHAMIMOV <sup>7</sup> , CASEY MAGUIRE <sup>8</sup> , MIGUEL SENA-ESTEVES <sup>9</sup> , BAKHOS TANNOUS <sup>9</sup> , XANDRA BREAKFIELD <sup>10</sup>	<sup>1</sup> Molecular Neurogenetics Unit, Department of Neurology and Center for Molecular Imaging Research, Department of Radiology, Massachusetts General Hospital, and Neurosurgery Center, Harvard Medical School, Boston, MA USA, Boston, USA, <sup>2</sup> Department of Pathology, Massachusetts General Hospital, Boston, MA USA, Boston, USA, <sup>3</sup> Rodent Histopathology Core Facility, Harvard Medical School, Boston, MA USA, Boston, USA, <sup>4</sup> Brigham and Women's Hospital, Harvard Medical School, Boston, MA USA, Boston, USA, <sup>5</sup> Department of Pathology, Massachusetts General Hospital, Boston, MA USA, Boston, USA, <sup>6</sup> Department of Neurology, Horae Gene Therapy Center, University of Massachusetts Medical School, Worcester, MA USA, Boston, USA	P-03-0123
P32.91	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Investigating the Brain Network consistently impaired in acquired pedophilia	<b>CRISTINA SCARPAZZA<sup>1</sup></b> , STEFANO FERRACUTI <sup>2</sup> , PIETRO PIETRINI <sup>3</sup> , GIUSEPPE SARTORI <sup>4</sup>	<sup>1</sup> University of Padova, Padova, Italy, <sup>2</sup> University of Rome, Rome, Italy, <sup>3</sup> MIT Lucca, Lucca, Italy, <sup>4</sup> University of Padova, Padova, Italy	P-03-0113
P32.92	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	GABAergic entorhinal cortex control of hippocampal function in stress-related disorder: cellular and circuitry mechanisms	<b>SANGHEE YUN<sup>1</sup></b> , FIONA TRAN <sup>1</sup> , IVAN SOLER <sup>2</sup> , RYAN REYNOLDS <sup>3</sup> , MAIKO SUAREZ <sup>4</sup> , AMELIA EISCH <sup>1</sup>	<sup>1</sup> The Children's Hospital of Philadelphia Research Institute, Philadelphia, PA, <sup>2</sup> University of Pennsylvania, Philadelphia, USA	P-03-0109
P32.93	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Western Diet Impairs Energy Homeostasis in the CNS, Drives Astroglia, and Limits Recovery of Function after Experimental Spinal Cord Injury	<b>HA NEU KIM<sup>1</sup></b> , HYESOOK YOON <sup>1</sup> , MONICA LANGLEY <sup>1</sup> , LAUREL KLEPPE <sup>1</sup> , ALEKSEY MATVEYENKO <sup>2</sup> , ISOBEL SCARISBRICK <sup>1</sup>	<sup>1</sup> Department of Physical Medicine and Rehabilitation, Mayo Clinic, Rochester MN, USA, <sup>2</sup> Department of Physiology and Biomedical Engineering, Mayo Clinic, Rochester MN, USA	P-03-0108
P32.94	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Epstein-Barr virus infection is a predisposing factor in multiple sclerosis: hypothesis based on immunology and epidemiology.	<b>ORTEGA LÓPEZ VALENCIA<sup>1</sup></b> , ANGELA PATRICIA MEDINA DAVID <sup>2</sup> , DIEGO FERNANDO HOYOS SAMBON <sup>3</sup> , TOMÁS ZAMORA BASTIDAS <sup>4</sup> , LUIS REINÉ VÁSQUEZ ARTEAGA <sup>5</sup> , CAROLINA SALGUERO <sup>6</sup>	<sup>1</sup> Research Center on Microbiology and Parasitology (CEMPA), University of Cauca, From Lab to the Field Corporation (DLC), Popayán, n. Colombia, <sup>2</sup> Research Center on Microbiology and Parasitology (CEMPA), From Lab to the Field Corporation (DLC), Popayán, n. Colombia, <sup>3</sup> San Vicente de Paul Hospital, Mistrató, Risaraldá, Colombia, <sup>4</sup> San José University Hospital, Research Center on Microbiology and Parasitology (CEMPA), University of Cauca, Popayán, n. Colombia, <sup>5</sup> Research Center on Microbiology and Parasitology (CEMPA), University of Cauca, Popayán, Colombia, <sup>6</sup> From Lab to the Field Corporation (DLC), Bogotá, Colombia	P-03-0107
P32.95	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	The Alzheimer Risk Factor CD2AP regulates ApoE2 Homeostasis and Signaling in Brain Vasculature	<b>MINH DANG NGUYEN<sup>1</sup></b> , MILENE VANDAL <sup>1</sup> , COLIN GUNN <sup>1</sup> , PHILIPPE BOURASSA <sup>2</sup> , STEVEN SEUNGJAE SHIN <sup>3</sup> , CAMILLE BELZIL <sup>1</sup> , YULAN JIANG <sup>3</sup> , CYNTHIA TREMBLAY <sup>4</sup> , DAVID BENNETT <sup>5</sup> , GRANT GORDON <sup>6</sup> , FREDERIC CALON <sup>7</sup>	<sup>1</sup> University of Calgary, Hotchkiss Brain Institute, Calgary, Canada, <sup>2</sup> Laval University, Quebec, Canada, <sup>3</sup> Rush Alzheimer's disease Center, Rush University Medical Center, Chicago, USA	P-03-0100

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P32.96	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Onchochocerciasis-associated epilepsy in the Democratic Republic of Congo: clinical description and relationship with microfilarial density	JOSEPH NELSON SIEWE FODJO <sup>1</sup> , MICHEL MANDRO <sup>2</sup> , DEBY MUKENDI <sup>3</sup> , FLORIBERT TEPAGE <sup>4</sup> , SONIA MENON <sup>5</sup> , GERMAIN ABHAFULE <sup>6</sup> , DEGRATIAS ROSSY <sup>7</sup> , AN HOTTERBECK <sup>8</sup> , ROBERT COLEBUNDERS <sup>9</sup>	<sup>1</sup> Global Health Institute, University of Antwerp, Antwerp, Belgium, <sup>2</sup> Ministry of Health, Ihuri, Bunia, Congo, Dem. Rep., <sup>3</sup> Mtari Amba Neuroepidemiological Centre, University of Kinshasa, Kinshasa, Congo, Dem. Rep., <sup>4</sup> Ministry of Health, Bas-Uélé, Buta, Congo, Dem. Rep., <sup>5</sup> Centre de Recherche en Maladies Tropicales de l'Ihuri, Rethy, Congo, Dem. Rep., <sup>6</sup> National Onchochocerciasis Control Program, Ihuri, Bunia, Congo, Dem. Rep.	P-03-0095
P32.97	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	<i>Pitcd1</i> exon3 truncating mutations recapitulate more clinically relevant autistic-like traits in mice	SANG-YOON KO <sup>1</sup> , JONATHAN EPP <sup>2</sup> , KIRTI MITTAL <sup>3</sup> , TAIMOOR SHEIKH <sup>4</sup> , VIOLET HA <sup>5</sup> , BRYAN DEGAGNE <sup>6</sup> , ANNA MIKHAILOV <sup>7</sup> , LEON FRENCH <sup>8</sup> , SHEENA A. JOSSELYN <sup>9</sup> , JOHN B. VINCENT <sup>10</sup> , PAUL FRANKLAND <sup>11</sup>	<sup>1</sup> Neurosciences and Mental Health, The Hospital for Sick Children/Dept. Physiology, University of Toronto, Toronto, Canada, <sup>2</sup> Neurosciences and Mental Health, The Hospital for Sick Children, Toronto, Canada, <sup>3</sup> University of Toronto, Molecular Neurobiology and Development Lab, The Campbell Family Brain Research Institute, The Centre for Addiction & Mental Health, Canada, <sup>4</sup> Molecular Neurobiology and Development Lab, The Campbell Family Brain Research Institute, The Centre for Addiction & Mental Health, Toronto, Canada, <sup>5</sup> University of Toronto, Molecular Neurobiology and Development Lab, The Campbell Family Brain Research Institute, The Centre for Addiction & Mental Health, Toronto, Canada, <sup>6</sup> University of Toronto, Molecular Neurobiology and Development Lab, The Campbell Family Brain Research Institute, The Centre for Addiction & Mental Health, Toronto, Canada, <sup>7</sup> University of Toronto, Molecular Neurobiology and Development Lab, The Campbell Family Brain Research Institute, The Centre for Addiction & Mental Health, Toronto, Canada, <sup>8</sup> University of Toronto, Molecular Neurobiology and Development Lab, The Campbell Family Brain Research Institute, The Centre for Addiction & Mental Health, Toronto, Canada, <sup>9</sup> University of Toronto, Molecular Neurobiology and Development Lab, The Campbell Family Brain Research Institute, The Centre for Addiction & Mental Health, Toronto, Canada, <sup>10</sup> University of Toronto, Molecular Neurobiology and Development Lab, The Campbell Family Brain Research Institute, The Centre for Addiction & Mental Health, Toronto, Canada, <sup>11</sup> University of Toronto, Molecular Neurobiology and Development Lab, The Campbell Family Brain Research Institute, The Centre for Addiction & Mental Health, Toronto, Canada	P-03-0091
P32.98	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Neurodevelopmental deficits in human isogenic Fragile X Syndrome neurons	KAGISTIA HANA UTAMI <sup>1</sup> , NIELS H SKOTTE <sup>2</sup> , ANA R COLACO <sup>3</sup> , NUR AMIRAH BINTE MOHAMMAD YUSOF <sup>4</sup> , BERNICE SIM <sup>5</sup> , XIN YI YEO <sup>6</sup> , HAN-GYU BAE <sup>7</sup> , MARTA GARCIA-MIRALLES <sup>8</sup> , CAROLA IZABELA RADULESCU <sup>9</sup> , QIYU CHEN <sup>10</sup> , GEORGIA CHALDIAPOULOU <sup>11</sup> , MAHMOUD A. POULADI <sup>12</sup>	<sup>1</sup> ILGM A*STAR, Singapore, Singapore, <sup>2</sup> Novo Nordisk Foundation Centre for Protein Research, Copenhagen, Denmark, <sup>3</sup> Singapore Biomedical Research Consortium (SBRC), A*STAR, Singapore, Singapore	P-03-0062
P32.99	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Taurine promotes axonal regeneration after a complete spinal cord injury in lampreys	ANTÓN BARREIRO-IGLESÍAS <sup>1</sup> , DANIEL SOBRIDO-CAMÉA <sup>2</sup> , N. BLANCA FERNÁNDEZ-LÓPEZ <sup>3</sup> , NATIVIDAD PEREIRO <sup>4</sup> , ANUNCIACION LAFUENTE <sup>5</sup> , MARIA CELINA RODRIGO <sup>6</sup>	<sup>1</sup> University of Santiago de Compostela, Santiago de Compostela, Spain, <sup>2</sup> University of Helsinki, Helsinki, Finland, <sup>3</sup> University of Vigo, Vigo, Spain	P-03-0058
P32.100	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Abeta oligomers mediate proteasome inhibition especially at synapse	FELIPE CAMPOS RIBEIRO <sup>1</sup> , DANIELLE COZACHENCO FERREIRA <sup>2</sup> , JULIANA TIEMI SATO FORTUNA <sup>3</sup> , GUILHERME BRAGA DE FREITAS <sup>4</sup> , FERNANDA GUARINO DE FELICE <sup>5</sup> , SERGIO TEIXEIRA FERREIRA <sup>6</sup>	<sup>1</sup> Federal University of Rio de Janeiro, Rio de Janeiro, Brazil	P-03-0043
P32.101	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Comparison of allelic mutations in the <i>Cacna1c</i> L-type calcium channel subunit, a risk factor in neuropsychiatric diseases	PATRICIA LAU <sup>1</sup> , GARETH BANKS <sup>2</sup> , ELEANOR HOBBS <sup>3</sup> , PAT NOLAN <sup>4</sup> , VALTER TUCCF <sup>5</sup> , GLENDA LASSF <sup>6</sup>	<sup>1</sup> MRC Harwell Institute, Oxfordshire, UK, <sup>2</sup> Neurobehavioural Genetics Group NBT - IIT, Genova, Italy	P-03-1865
P32.103	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	Mixed herbal formula (DA-9805) protects dopaminergic cells from 6-hydroxydopamine-induced cytotoxicity by activating ERK1/2 signaling cascades in vitro and in vivo	YOUNGJI KWON <sup>1</sup> , HYEYOUNG EO <sup>2</sup> , EUGENE HUH <sup>3</sup> , YEOMOON SIM <sup>4</sup> , JIN GYU CHOI <sup>5</sup> , JIN SEOK JEONG <sup>6</sup> , SEON-PYO HONG <sup>7</sup> , YOUNGMI KIM PAK <sup>8</sup> , MYUNG SOOK OH <sup>9</sup>	<sup>1</sup> Kyung Hee University, Seoul, Korea, Republic of, <sup>2</sup> R&D Center of Dong-A ST, Seoul, Korea, Republic of	P-03-1881
P32.104	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	NKCC1 and KCC2, Chloride co-transporters, a potential way out in the pathophysiology of <i>Syngap1</i> <sup>-/-</sup> mice	JAMES CLEMENT <sup>1</sup> , VIJAYA VERMA <sup>2</sup> , THOMAS BERNISCH <sup>3</sup> , RAVI MUDDASHETTY <sup>4</sup>	<sup>1</sup> Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru, India, <sup>2</sup> Assistant Professor, Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru, India, <sup>3</sup> Graduate Student, Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru, India, <sup>4</sup> Professor, Institutes of Brain Sciences, Fudan University, Shanghai, India, <sup>5</sup> Assistant Professor, Institute for Stem Cell Biology and Regenerative Medicine, Bengaluru, India	P-03-1891
P32.105	Grand Ballroom, 3F	Disorders of the nervous system	2019.09.25 12:40	2019.09.25 14:40	The effect of p25 in dopaminergic neuronal cell death. Bidirectional transcriptome analysis of activated microglia and rat bone marrow-derived mesenchymal stem cells in an in vitro coculture system	HEYOUNG KIM <sup>1</sup> , WON-SEOK CHOI <sup>1</sup> DA YEON LEE <sup>1</sup> , TAE HWAN SHIN <sup>1</sup> , SHAHERIN BASITH <sup>1</sup> , BALACHANDRAN MANAVALLAN <sup>1</sup> , GWANG LEE <sup>1</sup>	<sup>1</sup> Chonnam university, gwangju, Korea, Republic of <sup>2</sup> Department of Physiology and Department of Biomedical Sciences, Ajou University School of Medicine, Suwon, Korea, Republic of	P-03-1895 P-04-0877
P33.01	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.25 12:40	2019.09.25 14:40	Epigenetic modulation of microglia modulates the proinflammatory cytokines expression in vitro	GABRIELA CRUZ-CRILLLO <sup>1</sup> , LARISA JAJAIRA MONTALVO-MARTINEZ <sup>2</sup> , LIZETH FUENTES MERA <sup>1</sup> , ALBERTO CAMACHO <sup>1</sup>	<sup>1</sup> Autonomous University of Nuevo Leon, Monterrey, Mexico	P-04-0512
P33.02	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.25 12:40	2019.09.25 14:40	TonEBP mediates LPS-induced memory loss	GYUWON JEONG <sup>1</sup> , HYUG MOO KWON <sup>1</sup>	<sup>1</sup> UNIST, Ulsan, Korea, Republic of	P-04-0484
P33.03	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.25 12:40	2019.09.25 14:40	Vaccinia-related kinase 2 is critical for microglia-mediated synapse elimination during neurodevelopment	EUNJI OH <sup>1</sup> , EUNJI OH <sup>1</sup> , KYONG-TAI KIM <sup>1</sup>	<sup>1</sup> POSTECH, Pohang, Korea, Korea, Republic of	P-04-0475
P33.04	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.25 12:40	2019.09.25 14:40	Glial neuromodulation promotes the post-stroke recovery	JONGWOOK CHO <sup>1</sup> , SUNWOO LEE <sup>1</sup> , RA GYUNG KIM <sup>1</sup> , JI-YOUNG PARK <sup>1</sup> , SOYEON JUNG <sup>1</sup> , HYOYOUNG-IHL KIM <sup>1</sup>	<sup>1</sup> Gwangju Institute of Science and Technology, Gwangju, Korea, Republic of	P-04-0439
P33.05	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.25 12:40	2019.09.25 14:40	Phosphatidylserine scrambling is required for developmental synaptic pruning	URTE NENISKYTE <sup>1</sup> , AUGUSTE VADISUTE <sup>2</sup> , LUDOVICO COLETTA <sup>3</sup> , KRISTINA JEVDKIMENKO <sup>4</sup> , DAIVA DABKEVICIENE <sup>5</sup> , ALESSANDRO GOZZI <sup>6</sup> , DAVIDE RAGOZZINO <sup>7</sup> , CORNELIUS GROSS <sup>8</sup>	<sup>1</sup> Vilnius University, Vilnius, Lithuania, <sup>2</sup> Life Sciences Center, Vilnius University, Vilnius, Lithuania, <sup>3</sup> Istituto Italiano di Tecnologia, Genova, Italy, <sup>4</sup> Department of Physiology and Pharmacology, La Sapienza University of Rome, Rome, Italy, <sup>5</sup> Epigenetics and Neurobiology Unit, European Molecular Biology Laboratory, Rome, Italy	P-04-0417
P33.06	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.25 12:40	2019.09.25 14:40	Autophagy mediates astrogenesis in adult hippocampal neural stem cells	SEOL-HWA JEONG <sup>1</sup> , SHINWON HA <sup>2</sup> , KYUNGMIN YI <sup>3</sup> , JAMIE JEONG-MIN CHU <sup>4</sup> , SEOLSONG KIM <sup>5</sup> , EUN-KYOUNG KIM <sup>6</sup> , SEONG-WOON YU <sup>1</sup>	<sup>1</sup> Daegu Gyeongbuk Institute of Science and Technology (DGIST), Daegu, Korea, Republic of, <sup>2</sup> DGIST, Daegu Gyeongbuk Institute of Science and Technology (DGIST), Korea, Republic of	P-04-0394
P33.07	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.25 12:40	2019.09.25 14:40	Peripheral blood mononuclear cells mediators drive astrocyte energetic failure in acute sepsis	BRUNA BELLAVIER <sup>1</sup> , ANDRÉIA SILVA DA ROCHA <sup>1</sup> , DÉ BORA GUERINI SOUZA <sup>1</sup> , DOUGLAS TEIXEIRA LEFFA <sup>1</sup> , GUILHERME SCHUL <sup>1</sup> , PÂMELA LUKASEWICZ FERREIRA <sup>1</sup> , SAMUEL GREGGIO <sup>2</sup> , GIANINA T. VENTURINI <sup>3</sup> , JADERSON COSTA DA COSTA <sup>4</sup> , EDUARDO R. ZIMMER <sup>5</sup>	<sup>1</sup> Federal University of Rio Grande do Sul, Porto Alegre, Brazil, <sup>2</sup> Preclinical Imaging Center, Brain Institute (Brains) of Rio Grande do Sul, Porto Alegre, Brazil	P-04-0363
P33.08	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.25 12:40	2019.09.25 14:40	Effect of <i>Hevea brasiliensis</i> extract on lipopolysaccharide-induced production of tumor necrosis factor alpha and interleukin 6 in C6 glioma cells	JITRAPA PINYOMAHAKUL <sup>1</sup> , CHUTIKORN NOPPARAT <sup>1</sup> , RAPEUN WITTHUSO AANNAKUL <sup>2</sup> , PIYARAT GOVTRAPONG <sup>3</sup> , SUJIRA MUKDA <sup>1</sup>	<sup>1</sup> Research Center for Neuroscience, Institute of Molecular Biosciences, Mahidol University, Nakhon Pathom, Thailand, <sup>2</sup> Department of Biochemistry, Faculty of Science, Prince of Songkla University, Songkla, Thailand	P-04-0354
P33.09	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.25 12:40	2019.09.25 14:40	Nano hesperetin: Ameliorate glial activation, modulate conduction of visual signal in focal demyelination-model of multiple sclerosis	SAEIDEH BARADARAN <sup>1</sup> , MARYAM GHASEMI KASMAN <sup>2</sup> , AKBAR HAJZADEH MOGHADDAM <sup>3</sup>	<sup>1</sup> Department of Biology, Faculty of Basic Sciences, University of Mazandaran, Babol, Iran, <sup>2</sup> Cellular and Molecular Biology Research Center, Babol University of Medical Sciences, Babol, Iran	P-04-0350
P33.10	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.25 12:40	2019.09.25 14:40	Neurodegenerative Astrocytosis Mediated by Oxidative Stress in Alzheimer's Diseased Human Model	YOU JUNG KANG <sup>1</sup> , HEEJUNG CHUN <sup>2</sup> , CHANGJOON J. LEE <sup>3</sup> , HANSANG CHO <sup>4</sup>	<sup>1</sup> University of North Carolina, Charlotte, Charlotte, USA, <sup>2</sup> Cognitive Neuroscience Group, Center for Cognition and Society, Institute of Basic Science, Seoul, Korea, Republic of	P-04-0344
P33.11	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.25 12:40	2019.09.25 14:40	Aging and systemic inflammation increase serine racemase expression in CA3 hippocampal neurons	SEBASTIAN BELTRAN - CASTILLO <sup>1</sup> , ROMMY VON BERNHARD <sup>2</sup>	<sup>1</sup> Pontificia Universidad Católica, Santiago, Chile, <sup>2</sup> Pontificia Universidad Católica de Chile, Santiago, Chile	P-04-0315
P33.12	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.25 12:40	2019.09.25 14:40	The Effects of Acute Stress Over Microglial Dependent Neuroinflammations in Hippocampal Structures, and its Effects on Emotional and Spatial Memory Consolidation.	MARIA ALJANDRA TANGARIFE <sup>1</sup> , LUIS FERNANDO CÁRDENAS <sup>2</sup> , JESSIS LANDEIRA-FERNÁNDEZ <sup>3</sup> , SILVIA MASONNETTE <sup>4</sup>	<sup>1</sup> Universidad de los Andes, Bogotá D.C., Colombia, <sup>2</sup> Pontificia Universidade Católica do Rio de Janeiro, Rio de Janeiro, Brazil	P-04-0314
P33.13	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.25 12:40	2019.09.25 14:40	Astrocytic modulation of synaptic transmission in NTS neurons of rats submitted to sustained hypoxia.	BENEDITO MACHADO <sup>1</sup> , LENI BONAGAMBA <sup>1</sup> , DANIELA ACCORSI-MENDONÇA <sup>1</sup>	<sup>1</sup> University of São Paulo, Ribeirão Preto, Brazil	P-04-0299
P33.14	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.25 12:40	2019.09.25 14:40	Activity of glial cells in the spinal cord and the hippocampus after sciatic nerve injury in rats	EVGENIYA EGOROVA <sup>1</sup> , ANNA STARINETS <sup>1</sup> , IGOR MANZHULOV <sup>2</sup>	<sup>1</sup> Far Eastern Federal University, Vladivostok, Russia, <sup>2</sup> A.V. Zhirmunsky National Scientific Center of Marine Biology, Far Eastern Branch, Russian Academy of Sciences, Vladivostok, Russia	P-04-0233
P33.15	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.25 12:40	2019.09.25 14:40	ASTROCYTIC INSULIN-LIKE GROWTH FACTOR-1 PROTECTS NEURONS AGAINST EXCITOTOXICITY	PING ZHENG <sup>1</sup> , BIN HE <sup>1</sup> , WUSONG TONG <sup>1</sup>	<sup>1</sup> Shanghai Pudong New Area People's Hospital, Shanghai, China	P-04-0231
P33.16	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.25 12:40	2019.09.25 14:40	Cadmium triggers CCL2 production in astrocytes through the activation of MAPK and Akt pathways	PORNPUN VITHANAPORN <sup>1</sup> , THITIMA KASEMSUK <sup>2</sup> , SUTTINEE PHUAGKHAOPONG <sup>3</sup> , RUDEEEMARS YULOPHAN <sup>4</sup>	<sup>1</sup> Mahidol University, Faculty of Science, Bangkok, Thailand, <sup>2</sup> Burapha University, Faculty of Pharmaceutical Sciences, Department of Pharmacology, Chonburi, Thailand, <sup>3</sup> Faculty of Science, Mahidol University, Department of Pharmacology, Bangkok, Thailand	P-04-0227
P33.17	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.25 12:40	2019.09.25 14:40	Novel transcriptional effects of the neurotransmitter translocation process through the glial high-affinity Na <sup>+</sup> -dependent glutamate/aspartate transporter (GLAST)	ESTHER LOPEZ-BAYGHEN <sup>1</sup> , DINORAH HERNANDEZ-MELCHOR <sup>2</sup> , LETICIA RAMIREZ-MARTINEZ <sup>3</sup> , ANA CECILIA PALAFOX-GOMEZ <sup>4</sup> , LUIS CID <sup>5</sup> , ARTURO ORTEGA <sup>6</sup>	<sup>1</sup> Cinvestav-IPN, Mexico City, Mexico	P-04-0215
P33.18	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.25 12:40	2019.09.25 14:40	Astrocyte-like glia promote synaptogenesis through neuronal CDC-42 and IQGAP/PES-7 in <i>C. elegans</i>	ZHIYONG SHAO <sup>1</sup> , XIAOHUA DONG <sup>1</sup> , SHUHAN JIN <sup>1</sup>	<sup>1</sup> Department of Neurosurgery, State Key Laboratory of Medical Neurobiology and MOE Frontiers Center for Brain Science, Institutes of Brain Science, Zhongshan Hospital, Fudan University, Shanghai, 200032, China, Shanghai, China	P-04-0185
P33.19	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.25 12:40	2019.09.25 14:40	The potential role of NG2 expressing cells in rat brain among different pathophysiological conditions	ZAW MYO HEIN <sup>1</sup> , NATCHAREE KRAIWATTANAPIROM <sup>1</sup> , BANTHIT CHETSAWANG <sup>1</sup>	<sup>1</sup> Research Center for Neuroscience, Institute of Molecular Biosciences, Mahidol University, Bangkok, Thailand	P-04-0175
P33.20	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.25 12:40	2019.09.25 14:40	Application of the Adenosine A2A receptor antagonist attenuates spatial memory deficit and extent of demyelination areas in lysolecithin-induced demyelination model	ATEFEH AKBARI <sup>1</sup>	<sup>1</sup> Babol University of Medical Science, Ghaemshahr, Iran, <sup>2</sup> Babol University of Medical Science, Babol, Iran	P-04-0148
P33.21	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.25 12:40	2019.09.25 14:40	Microglia as a potential link between pathological myelination and stereotypic behavior after exposure to maternal high-fat diet	MAUDE BORDELEAU <sup>1</sup> , GIAMAL LUHESHI <sup>2</sup> , MARIE-ÈVE TREMBLAY <sup>1</sup>	<sup>1</sup> CRCHU de Québec - Université Laval, Québec, Canada, <sup>2</sup> Douglas Mental Health University Institute, McGill University, Montréal, Canada	P-04-0138
P33.22	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.25 12:40	2019.09.25 14:40	Inhibition of hedgehog signaling pathway alleviate neuroinflammation	LONGTAI ZHENG <sup>1</sup> , ZHONGQIANG CAO <sup>1</sup> , XIN ZHAO <sup>1</sup> , XUECHU ZHEN <sup>1</sup>	<sup>1</sup> Jiangsu Key Laboratory of Neuropsychiatric Diseases and College of Pharmaceutical Sciences, Soochow University, Suzhou, China	P-04-1869
P33.23	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.25 12:40	2019.09.25 14:40	Change in hypothalamic microglia dendrites by energy state	TAEHWAN LEE <sup>1</sup> , JAE GEUN KIM <sup>2</sup> , BYUNG JU LEE <sup>1</sup>	<sup>1</sup> Department of Biological Sciences, College of Natural Sciences, University of Ulsan, Ulsan 680-749, Korea, Republic of, <sup>2</sup> Division of Life Sciences, College of Life Sciences and Bioengineering, Incheon National University, Incheon 406-772, Korea, Republic of	P-04-1887
P33.24	Grand Ballroom, 3F	Glia, glia-neuron interactions	2019.09.25 12:40	2019.09.25 14:40	Homeostatic and neuroendocrine systems	SEOLSONG KIM <sup>1</sup> , NAYOUN KIM <sup>1</sup> , SEOKJAE PARK <sup>2</sup> , YOONJEONG JEON <sup>3</sup> , JAEMEUN LEE <sup>1</sup> , SEUNGJUN YOO <sup>4</sup> , JI-WON LEE <sup>1</sup> , CHEIL MOON <sup>5</sup> , SEONG-WOON YU <sup>6</sup> , EUN-KYOUNG KIM <sup>7</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, DGIST, Daegu, Korea, Republic of, <sup>2</sup> Department of Brain and Cognitive Sciences, Neuroendocrinology Research Center, DGIST, Daegu, Korea, Republic of, <sup>3</sup> Department of Brain and Cognitive Sciences, Convergence Research Advanced Centre for Olfaction, DGIST, Daegu, Korea, Republic of	P-05-0485
P34.01	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.25 12:40	2019.09.25 14:40	Tarvyctic TSP0 Inhibition Induces Lipophagy to Regulate Lipid Metabolism and Improve Energy Balance	ROGER MALDONADO RUIZ <sup>1</sup> , MARCELA ÁRDENAS-TUÉME <sup>2</sup> , LARISA MONTALVO-MARTINEZ <sup>3</sup> , ROMÁN VIDAL-TAMAYO <sup>4</sup> , LOURDES GARZA-OCARAS <sup>5</sup> , DIANA RESÉ NDEZ-PEREZ <sup>6</sup> , ALBERTO CAMACHO <sup>7</sup> , ALBERTO CAMACHO <sup>1</sup>	<sup>1</sup> Universidad Autónoma de Nuevo León, College of Medicine, Department of Biochemistry, Monterrey, Mexico, <sup>2</sup> Universidad Autónoma de Nuevo León, Department of Cell Biology and Genetics, College of Biological Sciences, San Nicolás de los Garza, Mexico, <sup>3</sup> Universidad de Monterrey, Department of Basic Science, School of Health Sciences, San Pedro Garza, Mexico, <sup>4</sup> Universidad Autónoma de Nuevo León, Department of Pharmacology, College of Medicine, Dr. Eduardo Aguirre Piqueño SN, Monterrey Nuevo León, México, Monterrey, Mexico	P-05-0477

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P34.03	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.25 12:40	2019.09.25 14:40	Involvement of the ventral tegmental area in socially rewarding behavior in juvenile rats.	CHRISTINA J. REPUCCI <sup>1</sup> , REMCO BREDEWOLD <sup>1</sup> , ASHLEY Q. CHAMBERS <sup>1</sup> , CATHERINE L. WASHINGTON <sup>1</sup> , ALEXA H. VEENEMA <sup>1</sup> , CHRISTINA REPUCCI <sup>1</sup>	<sup>1</sup> Michigan State University, East Lansing, MI, USA	P-05-0433
P34.04	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.25 12:40	2019.09.25 14:40	Leptin is a key regulator of glucose homeostasis in obesity	STEPHANIE SIMONDS <sup>1</sup> , JACK PRYOR <sup>2</sup> , MICHAEL COWLEY <sup>3</sup>	<sup>1</sup> Monash University, Melbourne, Australia, <sup>2</sup> Monash University, Melbourne, Australia, <sup>3</sup> Monash University, Melbourne, Australia	P-05-0391
P34.05	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.25 12:40	2019.09.25 14:40	Effect of insulin deficiency on the morphine induced conditioning in diabetic rats	AMIR-HOSSEIN BAYAT <sup>1</sup> , REZVAN HASSANPOUR <sup>1</sup> , ATIEH CHIZARI <sup>1</sup> , ZAHRA MOUSAVI <sup>1</sup> , ABBAS HAGHPARAST <sup>2</sup>	<sup>1</sup> Saveh University of Medical Sciences, Saveh, Iran, <sup>2</sup> Neuroscience Research Center, School of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran, <sup>3</sup> Department of Clinical Pharmacy, Faculty of pharmacy, Shahid Beheshti University of Medical Sciences, Tehran, Iran, <sup>4</sup> Islamic Azad University of Pharmaceutical Science, Tehran, Iran	P-05-0360
P34.06	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.25 12:40	2019.09.25 14:40	Stress disrupts gamma oscillations in the rat nucleus accumbens during spontaneous social interaction	ALEXIES DAGNINO-SUBIABRE <sup>1</sup> , MARCIA ARRIAGADA-SOLIMANO <sup>1</sup> , CATHERINE PEREZ-VALENZUELA <sup>1</sup> , ANN ITURRA-MENA <sup>1</sup>	<sup>1</sup> Laboratory of Stress Neurobiology, Center for Integrative Neurobiology and Pathophysiology, Institute of Physiology, Faculty of Sciences, Universidad de Valparaíso, Valparaíso, Chile	P-05-0338
P34.07	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.25 12:40	2019.09.25 14:40	Effects of an orexin receptor antagonist on hamster circadian activity rhythms	ROBERT GANNON <sup>1</sup>	<sup>1</sup> Valdosta State University, Valdosta, Georgia, USA	P-05-0337
P34.08	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.25 12:40	2019.09.25 14:40	A neural circuit mechanism for monitoring and controlling ingestion	DONG-YOON KIM <sup>1</sup> , MINYOONG KIM <sup>1</sup> , GYURYANG HEO <sup>1</sup> , HYUNSEO KIM <sup>1</sup> , SIEUN JUNG <sup>1</sup> , MYUNGMO AN <sup>1</sup> , JONG HWI PARK <sup>1</sup> , HAN-EOL PARK <sup>1</sup> , MYUNGSUN LEE <sup>1</sup> , SUNG-YON KIM <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-05-0324
P34.09	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.25 12:40	2019.09.25 14:40	Membrane estrogen receptor stimulation of corticotropin-releasing hormone expression in a nerve cell line	ZHENG FANG <sup>1</sup> , YANG-JIAN QI <sup>1</sup> , ZHONG REN <sup>1</sup> , JUAN-LI WU <sup>1</sup> , YANG HE <sup>1</sup> , LEI GUO <sup>1</sup> , HONG TAN <sup>1</sup> , MAN-LI HUANG <sup>2</sup> , YI SHEN <sup>1</sup> , AI-MIN BAO <sup>1</sup>	<sup>1</sup> Department of Neurobiology, and Department of Neurology of the Second Affiliated Hospital, Institute of neuroscience, NHC and CAMS key laboratory of Medical Neurobiology, Zhejiang Province Key Laboratory of Mental Disorder's Management, Zhejiang University School of Medicine, Hangzhou, China, <sup>2</sup> Department of Mental Health, Zhejiang Province Key Laboratory of Mental Disorder's Management, National Clinical Research Center for Mental Health Disorders, First Affiliated Hospital, Zhejiang University School of Medicine, Hangzhou, China	P-05-0311
P34.10	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.25 12:40	2019.09.25 14:40	sex-specific changes of steroid hormone metabolism in the cerebral cortex of mice after acute valproate exposure	SOON AE KIM <sup>1</sup> , SUNG-HEE CHO <sup>2</sup> , SUNG-YOUNG CHANG <sup>3</sup> , JUNG HOON CHAI <sup>4</sup>	<sup>1</sup> Department of Pharmacology, School of Medicine, Euji University, Daejeon, Korea, Republic of, <sup>2</sup> Chemical Analysis Center, Korea Research Institute of Chemical Technology (KRITC), Daejeon, Korea, Republic of, <sup>3</sup> Innovative Therapeutics Research Center, Korea Research Institute of Chemical Technology (KRITC), Daejeon, Korea, Republic of, <sup>4</sup> Department of Pharmacology, School of Medicine, Euji University, Daejeon, Korea, Republic of	P-05-0232
P34.11	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.25 12:40	2019.09.25 14:40	Differential epigenetic programming of hippocampal stereodogenesis by cognitive stimulation and voluntary exercise	MARIA F. ROSSETTI <sup>1</sup> , ROCIO SCHUMACHER <sup>1</sup> , GUILLERMINA CANESINI <sup>1</sup> , GISELA P. LAZZARINO <sup>2</sup> , JORGELINA VARAYOUD <sup>1</sup> , JORGE G. RAMOS <sup>3</sup>	<sup>1</sup> Institute of Health and Environment of Litoral, CONICET-UNL., Santa Fe, Argentina, <sup>2</sup> Zhejiang University School of Medicine; The Children's Hospital School of Medicine, Zhejiang University, Hangzhou, China, <sup>3</sup> Division of Neurobiology and Physiology, Department of Basic Medical Sciences, School of Medicine, Zhejiang University, China; Key Laboratory of Medical Neurobiology of Zhejiang Province, Institute of Neuroscience, School of Medicine, Zhejiang University, Hangzhou, Hangzhou, China, <sup>4</sup> Division of Neurobiology and Physiology, Department of Basic Medical Sciences, School of Medicine, Zhejiang University, Hangzhou, China, <sup>5</sup> College of Life Sciences, Zhejiang University, Hangzhou, Hangzhou, China	P-05-0230
P34.12	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.25 12:40	2019.09.25 14:40	CRH induced microglia activation via CRHR1 under hypoxia	YANHUA BI <sup>1</sup> , FANGYUAN XIA <sup>3</sup> , TINGTING SONG <sup>4</sup> , JIZENG DU <sup>5</sup> , XUEQUN CHEN <sup>2</sup>	<sup>1</sup> Zhejiang University School of Medicine; The Children's Hospital School of Medicine, Zhejiang University, Hangzhou, China, <sup>2</sup> Division of Neurobiology and Physiology, Department of Basic Medical Sciences, School of Medicine, Zhejiang University, China; Key Laboratory of Medical Neurobiology of Zhejiang Province, Institute of Neuroscience, School of Medicine, Zhejiang University, Hangzhou, Hangzhou, China, <sup>3</sup> Division of Neurobiology and Physiology, Department of Basic Medical Sciences, School of Medicine, Zhejiang University, Hangzhou, China, <sup>4</sup> College of Life Sciences, Zhejiang University, Hangzhou, Hangzhou, China, <sup>5</sup> College of Life Sciences, Zhejiang University, Hangzhou, Hangzhou, China	P-05-0151
P34.13	Grand Ballroom, 3F	Homeostatic and neuroendocrine systems	2019.09.25 12:40	2019.09.25 14:40	A psychological stressor conveyed by appetite-linked neurons	EUN JEONG LEE <sup>1</sup> , NARESH HANCHATE <sup>1</sup> , KUNIO KONDOH <sup>1</sup> , AI PHUONG TONG <sup>1</sup> , DONGHUI KWANG <sup>1</sup> , ANDREW SPRAY <sup>1</sup> , XIAOLAN YE <sup>1</sup> , LINDA BUCK <sup>1</sup>	<sup>1</sup> Fred Hutchinson Cancer Research Center, Seattle, USA	P-05-0137
P35.01	Grand Ballroom, 3F	New technology - Neurotool	2019.09.25 12:40	2019.09.25 14:40	Template matching-based event-related ROI detection method for calcium imaging	KYUNGSOO KIM <sup>1</sup> , SEONGTAK KANG <sup>1</sup> , JIHO PARK <sup>1</sup> , YOUNG-EUN HAN <sup>1</sup> , JONG-CHEOL RAH <sup>2</sup> , JI-WOONG CHO <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of, <sup>2</sup> KBRI, Daegu, Korea, Republic of	P-07-0642
P35.02	Grand Ballroom, 3F	New technology - Neurotool	2019.09.25 12:40	2019.09.25 14:40	Epidural site waveform electrical brain stimulation have major effect on parvalbumin positive neurons	JUNSOO KIM <sup>1</sup> , SEUNGJUN RYU <sup>1</sup> , KYUNGTAI KIM <sup>1</sup> , HYUN SEO <sup>1</sup> , RAGYUNG KIM <sup>1</sup> , JONGWOOK CHO <sup>1</sup> , JIYOUNG PARK <sup>1</sup> , SUNWOO LEE <sup>1</sup> , HANILIM SONG <sup>1</sup> , HYOUNG-IHL KIM <sup>1</sup>	<sup>1</sup> GIST, Gwangju, Korea, Republic of	P-07-0633
P35.03	Grand Ballroom, 3F	New technology - Neurotool	2019.09.25 12:40	2019.09.25 14:40	Improvement of immunostaining of thick sample using Immunostainer	MEEYUL HWANG <sup>1</sup> , GIL HYUN KIM <sup>1</sup>	<sup>1</sup> Binaee Inc., Daegu, Korea, Republic of	P-07-0604
P35.04	Grand Ballroom, 3F	New technology - Neurotool	2019.09.25 12:40	2019.09.25 14:40	Advantages of Binaee tissue clearing method	EUN SHIL LEE <sup>1</sup> , EJUNJOO LEE <sup>1</sup>	<sup>1</sup> Binaee, Inc., Daegu, Korea, Republic of	P-07-0592
P35.05	Grand Ballroom, 3F	New technology - Neurotool	2019.09.25 12:40	2019.09.25 14:40	Development of OptoDRD2 to precisely control the function of DRD2 by light	HYUNBIN KIM <sup>1</sup> , GELUNHONG PARK <sup>1</sup> , JEONGJUN KIM <sup>1</sup> , JIHYE SEONG <sup>1</sup>	<sup>1</sup> KIST, Seoul, Korea, Republic of	P-07-0578
P35.06	Grand Ballroom, 3F	New technology - Neurotool	2019.09.25 12:40	2019.09.25 14:40	Interactive automated tool for reliable seizure detection in rat and mouse models of epilepsy	ARMEN SARGSYAN <sup>1</sup> , PABLO CASILLAS-ESPINOSA <sup>2</sup> , WAYNE FRANKEL <sup>3</sup> , DMITRI MELKONIAN <sup>1</sup> , TERENCE O' BRIEN <sup>2</sup>	<sup>1</sup> Kaeskey Pty Ltd, Sydney, Australia, <sup>2</sup> The Department of Neuroscience, Central Clinical School, Monash University, Melbourne, Australia, <sup>3</sup> Department of Genetics and Development, Institute for Genomic Medicine, Columbia University Medical Center, New York City, USA	P-07-0482
P35.07	Grand Ballroom, 3F	New technology - Neurotool	2019.09.25 12:40	2019.09.25 14:40	8-AT MRI Images of the mouse basal ganglia: Segmentation volumes, T2-intensities, fractional anisotropy, and apparent diffusion coefficient values	SANG-JIN IM <sup>1</sup> , HYEON-MAN BAEK <sup>2</sup>	<sup>1</sup> Gachon Advanced Institute for Health Sciences & Technology, Incheon, Korea, Republic of, <sup>2</sup> Gachon University, Incheon, Korea, Republic of	P-07-0468
P35.08	Grand Ballroom, 3F	New technology - Neurotool	2019.09.25 12:40	2019.09.25 14:40	Pediatric Brain Extraction from T2-weighted MR Images using 3D Dual Frame U-Net and Human Connectome Database	DONGCHAN KIM <sup>1</sup> , JONG-HEE CHAE <sup>2</sup> , SUNKYUE KIM <sup>3</sup> , YEJI HAN <sup>1</sup>	<sup>1</sup> Gachon University, Incheon, Korea, Republic of, <sup>2</sup> Seoul National University College of Medicine, Seoul, Korea, Republic of, <sup>3</sup> Neuroscience Research Institute, Gachon University, Incheon, Korea, Republic of	P-07-0459
P35.09	Grand Ballroom, 3F	New technology - Neurotool	2019.09.25 12:40	2019.09.25 14:40	Rapid and Uniform Staining of Thick Biological Tissues with Antibody using Electro-magnetic Focused Immuno-histochemistry	MYEONGSU NA <sup>1</sup> , KITAE KIM <sup>1</sup> , SUNGHOE CHANG <sup>1</sup>	<sup>1</sup> Seoul National University College of Medicine, Seoul, Korea, Republic of	P-07-0447
P35.10	Grand Ballroom, 3F	New technology - Neurotool	2019.09.25 12:40	2019.09.25 14:40	Miniaturized ultrasound systems for modulation of sleep of freely moving mice	YEHYUN JO <sup>1</sup> , SANG-MOK LEE <sup>1</sup> , SEONGYEON KIM <sup>1</sup> , HYUNGKUG KIM <sup>1</sup> , HYUNJOO LEE <sup>1</sup>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of	P-07-0444
P35.11	Grand Ballroom, 3F	New technology - Neurotool	2019.09.25 12:40	2019.09.25 14:40	Development of super precise neural recording/stimulation system for functional measurement of brain-nervous system	HEON-JIN CHOI <sup>1</sup> , YOUNGCHEOL CHAE <sup>1</sup> , DOSIK HWANG <sup>1</sup> , YEOWOOL HUH <sup>2</sup> , JIYOUNG KWON <sup>1</sup> , JUKWAN NA <sup>1</sup> , HYOUNG LEE <sup>1</sup>	<sup>1</sup> Yonsei University, Seoul, Korea, Republic of, <sup>2</sup> Catholic Kwandong University, Seoul, Korea, Republic of	P-07-0441
P35.12	Grand Ballroom, 3F	New technology - Neurotool	2019.09.25 12:40	2019.09.25 14:40	Fiber_distance based unsupervised clustering method of MR tractography data	SANG-HAN CHOI <sup>1</sup> , YOUNG-BO KIM <sup>2</sup> , ZANG-HEE CHO <sup>1</sup>	<sup>1</sup> Suwon university, Hwaseung, Kyonggi, Korea, Republic of, <sup>2</sup> Gachon university, Namdonggu - Incheon, Korea, Republic of	P-07-0438
P35.13	Grand Ballroom, 3F	New technology - Neurotool	2019.09.25 12:40	2019.09.25 14:40	Probabilistic tractography between STN, SN, GPI and GPE using Lead-DBS and FSL	JAE-HYUK SHIM <sup>1</sup> , HYEON-MAN BAEK <sup>1</sup>	<sup>1</sup> Gachon University, Incheon, Korea, Republic of	P-07-0437
P35.14	Grand Ballroom, 3F	New technology - Neurotool	2019.09.25 12:40	2019.09.25 14:40	AR-based visualization tool for visualizing the high resolution 3D structure of brain cells	KIPOP KIM <sup>1</sup> , GA-YOUNG LEE <sup>1</sup> , KEA JOD LEE <sup>1</sup>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of	P-07-0436
P35.15	Grand Ballroom, 3F	New technology - Neurotool	2019.09.25 12:40	2019.09.25 14:40	Scan time reduction of neuro FDG PET using deep learning	SANGWON LEE <sup>1</sup> , JAEWON KIM <sup>2</sup> , SUNGSIK KANG <sup>2</sup> , KONSU LEE <sup>2</sup> , JIN HO JUNG <sup>2</sup> , GARAM KIM <sup>2</sup> , HYUN KEONG LIM <sup>2</sup> , YONG CHOI <sup>2</sup> , MIJUN YUN <sup>1</sup>	<sup>1</sup> Department of Nuclear Medicine, Yonsei University College of Medicine, Seoul, Korea, Republic of, <sup>2</sup> Molecular Imaging Research & Education Laboratory, Department of Electronic Engineering, Sogang University, Seoul, Korea, Republic of	P-07-0401
P35.16	Grand Ballroom, 3F	New technology - Neurotool	2019.09.25 12:40	2019.09.25 14:40	Improved dynamic monitoring of transcriptional activity during longitudinal analysis in the mouse brain	YOUNGMIN HAN <sup>1</sup> , MINSUN KIM <sup>1</sup> , SONG HER <sup>1</sup>	<sup>1</sup> Korea Basic Science Institute, Seoul, Korea, Republic of	P-07-0396
P35.17	Grand Ballroom, 3F	New technology - Neurotool	2019.09.25 12:40	2019.09.25 14:40	Optimization of Transcranial Temporal Interference Stimulation for Targeted Modulation of Deep Brain Structures	SANGJUN LEE <sup>1</sup> , CHANG-HWAN IM <sup>1</sup>	<sup>1</sup> Hanyang University, Seoul, Korea, Republic of	P-07-0386
P35.18	Grand Ballroom, 3F	New technology - Neurotool	2019.09.25 12:40	2019.09.25 14:40	Introducing the HPA Brain Atlas, a brain-centric sub-atlas with regional expression maps of the human, mouse and pig brain.	EVELINA SJSSTEDT <sup>1</sup> , WEN ZHONG <sup>2</sup> , NICHOLAS MITSIOS <sup>3</sup> , PER OKSVOLD <sup>4</sup> , FERIA HIKMET NORRADIN <sup>5</sup> , CECILIA LINDSKOG <sup>6</sup> , FREDRIK PONTAN <sup>7</sup> , LINN FAGERBERG <sup>8</sup> , TOMAS HÖKFELT <sup>9</sup> , YONGLUN LUO <sup>10</sup> , MATHIAS ULHÄN <sup>11</sup> , JAM MULDER <sup>1</sup>	<sup>1</sup> Department of Neuroscience, Karolinska Institute, Stockholm, Sweden, <sup>2</sup> Science for Life Laboratory, KTH Royal Institute of Technology, Stockholm, Sweden, <sup>3</sup> Department of Immunology, Genetics and Pathology, Uppsala University, Uppsala, Sweden, <sup>4</sup> Center for Regenerative Medicine, BGI, Shenzhen, China	P-07-0169
P35.19	Grand Ballroom, 3F	New technology - Neurotool	2019.09.25 12:40	2019.09.25 14:40	Topography and Timing of Activity in Right Inferior Frontal Cortex and Anterior Insula for Stopping Movement	AMIR HOSSEIN ASHNA <sup>1</sup> , FAEZEH AGHAYAN LOU KASHANI <sup>1</sup> , ZAHRA MAJIDI <sup>1</sup>	<sup>1</sup> Rehau University, Tehran, Iran, <sup>2</sup> Tehran University, Tehran, Iran, <sup>3</sup> Kharazmi University, Tehran, Iran	P-07-0081
P36.01	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	Cortical synaptic plasticity and remote memory require neuronal C/EBP $\beta$ -binding factor (CTCF), a central regulator of 3D chromatin architecture	JHAE OH <sup>1</sup> , CHIWOO LEE <sup>1</sup> , HYUNSU JUNG <sup>1</sup> , BONG-KIUN KAANG <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-08-0381
P36.02	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	Neuroepigenetic control of gamma oscillations in the pedunculopontine nucleus: From HDACs to F-actin.	FRANCISCO URBANO <sup>1</sup> , VERONICA BISAGNO <sup>2</sup> , EDGAR GARCIA-RILL <sup>2</sup>	<sup>1</sup> IFIBYNE-CONICET-University of Buenos Aires, Ciudad de Buenos Aires, Argentina, <sup>2</sup> Center for Translational Neuroscience-University of Arkansas for Medical Sciences, Little Rock, USA, <sup>3</sup> INFA-CONICET-University of Buenos Aires, Ciudad de Buenos Aires, Argentina	P-08-0375
P36.03	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	Quantitative profiling of LAR-RPTP alternative splicing variants in mice	TAEK HAN YOON <sup>1</sup> , JU SEONG LEE <sup>2</sup> , KYUNG AH HAN <sup>3</sup> , JI WON UM <sup>4</sup> , JONG KYOUNG KIM <sup>5</sup> , JAEWON KO <sup>7</sup>	<sup>1</sup> Department of Brain and Cognitive Sciences, Daegu Gyeongbuk Institute of Science and Technology (DGIST), Daegu, Korea, Republic of, <sup>2</sup> Department of New Biology, Daegu Gyeongbuk Institute of Science and Technology (DGIST), Daegu, Korea, Republic of	P-08-0374
P36.04	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	LRRTM3 deletion causes excitatory synaptic dysfunctions and abnormal social novelty and contextual discriminative behaviors	SOO-JEONG KIM <sup>1</sup> , JUNGSOO SHIN <sup>1</sup> , JINHU KIM <sup>1</sup> , TAEHUN JEONG <sup>1</sup> , TAEK HAN YOON <sup>1</sup> , JI WON UM <sup>1</sup> , JAEWON KO <sup>1</sup>	<sup>1</sup> Daegu Gyeongbuk Institute of Science and Technology (DGIST), Daegu, Korea, Republic of	P-08-0373
P36.05	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	Direct interaction of MDGA1 with amyloid- $\beta$ precursor protein	SUNGWON BAE <sup>1</sup> , JONGMIN EUN <sup>1</sup> , SEUNGJOON KIM <sup>1</sup> , JINHU KIM <sup>1</sup> , JI WON UM <sup>1</sup> , JAEWON KO <sup>1</sup>	<sup>1</sup> Daegu Gyeongbuk Institute of Science and Technology (DGIST), Daegu, Korea, Republic of	P-08-0372
P36.06	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	Calcium-3 Regulates Excitatory Synapse Formation via Direct binding to Neurexins	HYEONHO KIM <sup>1</sup> , DONGWOOK KIM <sup>1</sup> , JINHU KIM <sup>1</sup> , HYEYOUNG LEE <sup>2</sup> , SE-YOUNG CHOI <sup>2</sup> , JAEWON KO <sup>1</sup> , JI WON UM <sup>1</sup>	<sup>1</sup> Daegu Gyeongbuk Institute of Science & Technology (DGIST), Daegu, Korea, Republic of, <sup>2</sup> Department of Physiology, Dental Research Institute, Seoul National University School of Dentistry, Seoul, Korea, Republic of	P-08-0371
P36.07	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	Slitk2 promotes excitatory synapse development by its C-terminal PDZ domain-binding sequence	JINHU KIM <sup>1</sup> , KYUNG AH HAN <sup>1</sup> , DONGSEOK LIM <sup>1</sup> , JAEWON KO <sup>1</sup> , JI WON UM <sup>1</sup>	<sup>1</sup> Daegu Gyeongbuk Institute of Science and Technology (DGIST), Daegu, Korea, Republic of	P-08-0370
P36.08	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	Functional crosstalk between Slitk3 and Neurotigin-2 in medial prefrontal cortex of mice	DONGWOOK KIM <sup>1</sup> , TAEKHAN YOON <sup>1</sup> , JINHU KIM <sup>1</sup> , JI WON UM <sup>1</sup> , JAEWON KO <sup>1</sup>	<sup>1</sup> Daegu Gyeongbuk Institute of Science and Technology (DGIST), Daegu, Korea, Republic of	P-08-0369

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P36.09	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	Control of Activity-dependent GABAergic Synaptic development and depressive-like behaviors by IQSEC3-ARF Complex	<b>KIM SEUNGCJON<sup>1</sup></b> , <b>DONGSEOK PARK<sup>1</sup></b> , <b>DONGSOO LEE<sup>2</sup></b> , <b>SOOKYUNG HONG<sup>2</sup></b> , <b>ESTHER YANG<sup>2</sup></b> , <b>JONGCHEOL JEON<sup>1</sup></b> , <b>TAKUMA MORI<sup>3</sup></b> , <b>HYEONHONG KIM<sup>4</sup></b> , <b>SOO-JEONG KIM<sup>5</sup></b> , <b>KATSUHIKO TABUCHI<sup>6</sup></b> , <b>JAEHOON KIM<sup>7</sup></b> , <b>HYUN KIM<sup>8</sup></b> , <b>EUNJI CHEONG<sup>2</sup></b> , <b>JI WON UM<sup>1</sup></b> , <b>JAEWON KO<sup>1</sup></b>	<sup>1</sup> Department of Brain and Cognitive Sciences, Daegu Gyeongbuk Institute of Science and Technology (DGIST), Daegu, Korea, Republic of, <sup>2</sup> Department of Biotechnology, College of Life Science and Biotechnology, Yonsei University, Seoul, Korea, Republic of, <sup>3</sup> Department of Biological Sciences, Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea, Republic of, <sup>4</sup> Department of Anatomy, Korea University College of Medicine, Brain Korea 21 plus, Seoul, Korea, Republic of, <sup>5</sup> Department of Molecular and Cellular Physiology, Shinshu University School of Medicine, Matsumoto, Japan	P-08-0368
P36.10	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	Deletion of IQSEC3 produces manic-like behavior in mice	<b>HYEJI JUNG<sup>1</sup></b> , <b>SEUNGCJON KIM<sup>1</sup></b> , <b>DONGSEOK PARK<sup>1</sup></b> , <b>JINHU KIM<sup>1</sup></b> , <b>JAEWON KO<sup>1</sup></b> , <b>JI WON UM<sup>1</sup></b>	<sup>1</sup> Daegu Gyeongbuk Institute of Science and Technology (DGIST), Daegu, Korea, Republic of	P-08-0367
P36.11	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	IQSEC3 maintains hippocampal network activity by interacting with gephyrin and ARF6	<b>DONGSEOK PARK<sup>1</sup></b> , <b>SEUNGCJON KIM<sup>1</sup></b> , <b>HYEONHONG KIM<sup>1</sup></b> , <b>YOON HYEON HONG<sup>2</sup></b> , <b>HYEJI JUNG<sup>1</sup></b> , <b>DONGWOOK KIM<sup>1</sup></b> , <b>EUNJI CHEONG<sup>2</sup></b> , <b>JAEWON KO<sup>1</sup></b> , <b>JI WON UM<sup>1</sup></b>	<sup>1</sup> Daegu Gyeongbuk Institute of Science and Technology (DGIST), Daegu, Korea, Republic of, <sup>2</sup> Yonsei University, Seoul, Korea, Republic of	P-08-0366
P36.12	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	Acute social defeat stress-induced synaptic depression in the ventral subiculum to peri-PVN pathway	<b>SOONJE LEE<sup>1</sup></b> , <b>CHANGSU WOO<sup>1</sup></b> , <b>CHANGWOO LEE<sup>1</sup></b> , <b>KI SOON SHIN<sup>1</sup></b>	<sup>1</sup> Kyung Hee University, Seoul, Korea, Republic of	P-08-0353
P36.13	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	Mitochondrial fission regulates presynaptic function and axon branching by limiting axonal mitochondrial size	<b>SEOK-KYU KWON<sup>1</sup></b> , <b>TOMMY LEWIS<sup>2</sup></b> , <b>ANNIE LEE<sup>2</sup></b> , <b>REUBEN SHAW<sup>1</sup></b> , <b>FRANCK POLLEUX<sup>2</sup></b>	<sup>1</sup> KIST, Seoul, Korea, Republic of, <sup>2</sup> Columbia University, New York, USA, <sup>3</sup> Oklahoma Medical Research Foundation, Oklahoma City, USA, <sup>4</sup> Salk Institute, La Jolla, USA	P-08-0345
P36.14	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	High-order thalamus modulates top-down inputs from the primary motor cortex on apical tuft dendrites in somatosensory cortex	<b>YOUNG-EUN HAN<sup>1</sup></b> , <b>JOON HO CHOI<sup>1</sup></b> , <b>JONG-CHEOL RAH<sup>1</sup></b>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of	P-08-0332
P36.16	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	Epidural electrical brain stimulation have major effect on parvalbumin positive neurons	<b>SEUNGCJON RYU<sup>1</sup></b> , <b>KYUNGTAE KIM<sup>2</sup></b> , <b>HYUN SEO<sup>2</sup></b> , <b>RAE GYUNG KIM<sup>3</sup></b> , <b>JONGWOOK CHO<sup>4</sup></b> , <b>JYOUNG PARK<sup>5</sup></b> , <b>SUNWOO LEE<sup>1</sup></b> , <b>HANJUN SONG<sup>1</sup></b> , <b>HYOUNG-IL KIM<sup>1</sup></b>	<sup>1</sup> Department of Biomedical Science and Engineering (BMSE), Institute of Integrated Technology (IIT), Gwangju Institute of Science and Technology (GIST), Gwangju, Korea, Republic of, <sup>2</sup> Korea Institute of Toxicology, Jeongju, Korea, Republic of, <sup>3</sup> School of Electrical Engineering and Computer Science, Gwangju Institute of Science and Technology (GIST), Gwangju, Korea, Republic of	P-08-0323
P36.17	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	Acetylcholinergic modulation of intrinsic neuronal firing in mouse frontal and parietal cortex	<b>YOON-SIL YANG<sup>1</sup></b> , <b>JOON HO CHOI<sup>1</sup></b> , <b>JONG-CHEOL RAH<sup>1</sup></b>	<sup>1</sup> Korea Brain Research Institute, Daegu, Korea, Republic of	P-08-0321
P36.18	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	Opposite modulation of time course of ACh quantal release by norepinephrine in peripheral synapses of frog and mouse	<b>ANDREI TSENTEVITSKY<sup>1</sup></b> , <b>ELLYA BUKHARAEVA<sup>1</sup></b>	<sup>1</sup> Kazan Institute of Biochemistry and Biophysics, Federal Research Center "Kazan Scientific Center of RAS", Kazan, Russia	P-08-0297
P36.19	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	Age-dependent synaptic transmission alterations underlying depressive like behavior following an early life inflammatory challenge	<b>CARLOS GOMEZ<sup>1</sup></b> , <b>QUENTIN PITTMAN<sup>1</sup></b>	<sup>1</sup> Hotchkiss Brain Institute, Department of Physiology and Pharmacology, University of Calgary, Calgary, Canada	P-08-0291
P36.20	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	Molecular mechanisms underlying functional recovery after spinal cord injury	<b>NADEZDA LUKACOVA<sup>1</sup></b> , <b>KATARINA BIMBOVA<sup>2</sup></b> , <b>ANDREA STROPKOVSKA<sup>3</sup></b> , <b>ALEXANDRA KISUCKA<sup>4</sup></b> , <b>MARIA BACOVA<sup>5</sup></b> , <b>JAN GALIK<sup>6</sup></b>	<sup>1</sup> Institute of Neurobiology of Biomedical Research Center, Slovak Academy of Sciences, Kosice, Slovak Republic, <sup>2</sup> Institute of Neurobiology of Biomedical Research Center, Slovak Academy of Sciences, Kosice, Slovak Republic	P-08-0255
P36.21	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	Calcium-permeable AMPA receptors mediate the increased unitary conductance during LTP in the hippocampus	<b>POJEONG PARK<sup>1</sup></b> , <b>KWANG-HEE KO<sup>1</sup></b> , <b>MIN ZHUO<sup>2</sup></b> , <b>BONG-KILN KAANG<sup>3</sup></b> , <b>GRAHAM COLLINGRIDGE<sup>2</sup></b>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> University of Toronto, Toronto, Canada	P-08-0191
P36.22	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	N-glycosylation regulates the trafficking, surface mobility and function of GluN2A-containing NMDA receptors N-glycosylation regulates the trafficking, surface mobility and function of GluN2A-containing NMDA receptors	<b>MARTIN HORAK<sup>1</sup></b> , <b>KRISTYNA SKRENKOVA<sup>1</sup></b> , <b>MARTIN ZAPOTOCKY<sup>1</sup></b> , <b>MARHAYTA KOLCHEVA<sup>1</sup></b> , <b>KATARINA HEMELIKOVA<sup>1</sup></b> , <b>MARTINA KANIAKOVA<sup>1</sup></b> , <b>SANGHYEON LEE<sup>2</sup></b> , <b>YOUNG HO SUI<sup>2</sup></b>	<sup>1</sup> Institute of Physiology of the Czech Academy of Sciences, Prague, Czech Republic, <sup>2</sup> Department of Biomedical Sciences, Neuroscience Research Institute, Seoul National University College of Medicine, Seoul, Korea, Republic of	P-08-0181
P36.23	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	Cortical plasticity induced by conversion of synaptic eligibility traces <i>in vivo</i>	<b>SU HONG<sup>1</sup></b> , <b>ALFREDO KIRKWOOD<sup>1</sup></b>	<sup>1</sup> Mind brain institute, Johns Hopkins University, Baltimore, USA	P-08-0172
P36.24	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	Plasticity in adult-born dopaminergic neurons in the olfactory bulb.	<b>CANDIDA TUFO<sup>1</sup></b>	<sup>1</sup> King's College London, London, UK	P-08-0167
P36.25	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	Involvement of TRPV1 channels in synaptic transmission in peripheral synapses	<b>NIKITA ZHILYAKOV<sup>1</sup></b> , <b>ARKHIPOV ARSENI<sup>1</sup></b> , <b>EDUARD KHAZIEV<sup>1</sup></b> , <b>DMITRY SAMGULLIN<sup>1</sup></b>	<sup>1</sup> Kazan Institute of Biochemistry and Biophysics RAS, Kazan, Russia	P-08-0124
P36.26	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	Effect of 25-hydroxycholesterol on synaptic transmission in skeletal muscle	<b>ZAKYRJANOVA GUZALJA<sup>1</sup></b> , <b>PETROV ALEXEY<sup>1</sup></b>	<sup>1</sup> Kazan Institute of Biochemistry and Biophysics, FRC Kazan Scientific Center of RAS, Institute of Neurosciences, Kazan State Medical University, Kazan, Russia	P-08-0118
P36.27	Grand Ballroom, 3F	Physiology: neuronal excitability and synapse function	2019.09.25 12:40	2019.09.25 14:40	Somatostatin-mediated effects on synaptic transmission in the mouse cingulate cortex	<b>THERESE RIEDEMANN<sup>1</sup></b> , <b>BERND SUTOR<sup>1</sup></b>	<sup>1</sup> Ludwig-Maximilians-University/Biomedical Center, Planegg-Martinsried, Germany	P-08-1894
P37.01	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.25 12:40	2019.09.25 14:40	Genetic properties of hub connectivity in the human brain	<b>AURINA ARNATKEVICIUTE<sup>1</sup></b> , <b>BEN FULCHER<sup>2</sup></b> , <b>STUART OLDHAM<sup>3</sup></b> , <b>JEGGAN TIEGO<sup>4</sup></b> , <b>MARK BELLGROVE<sup>5</sup></b> , <b>ALEX FORNITO<sup>6</sup></b>	<sup>1</sup> Brain and Mental Health Hub, Monash Institute of Cognitive and Clinical Neurosciences, School of Psychological Sciences, Monash University, Melbourne, Australia, <sup>2</sup> School of Physics, Sydney University, Sydney, Australia, <sup>3</sup> Monash Institute of Cognitive and Clinical Neurosciences, School of Psychological Sciences, Monash University, Melbourne, Australia	P-09-0563
P37.02	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.25 12:40	2019.09.25 14:40	Interaction between the BDNF Val66Met polymorphism and childhood trauma on cortical functional network in non-clinical adults	<b>YOURIM KIM<sup>1</sup></b> , <b>DONGIL MIN<sup>1</sup></b> , <b>YONG-WOOK KIM<sup>2</sup></b> , <b>SEUNG-HWAN LEE<sup>2</sup></b>	<sup>1</sup> Clinical Emotion and Cognition Research Laboratory, Goyang, Korea, Republic of, <sup>2</sup> Department of Psychiatry, Ilan Paik Hospital, Inje University College of Medicine, Gyeongsang, Korea, Republic of, <sup>3</sup> Department of Biomedical Engineering, Hanyang University, Seoul, Korea, Republic of	P-09-0551
P37.03	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.25 12:40	2019.09.25 14:40	Low frequency alpha (8-10 Hz) activity correlated with inhibitory behavior	<b>YONG-WOOK KIM<sup>1</sup></b> , <b>SUNGKEAN KIM<sup>1</sup></b> , <b>MIN JIN JIN<sup>1</sup></b> , <b>CHANG-HWAN IM<sup>1</sup></b> , <b>SEUNG-HWAN LEE<sup>2</sup></b>	<sup>1</sup> Department of Biomedical Engineering, Hanyang University, Seoul, Korea, Republic of, <sup>2</sup> Department of Psychiatry, Inje University, Ilan Paik Hospital, Ilan, Korea, Republic of, <sup>3</sup> Clinical Emotion and Cognition Research Laboratory, Inje University, Goyang, Korea, Republic of	P-09-0536
P37.04	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.25 12:40	2019.09.25 14:40	Optogenetic manipulation of mural cells evoked regional brain blood flow changes in the deep brain.	<b>SOOJUN KWON<sup>1</sup></b> , <b>YOSHIFUMI ABE<sup>2</sup></b> , <b>HAJIME MUSHIAKE<sup>3</sup></b> , <b>MUYUKI UNEKAWA<sup>4</sup></b> , <b>KAZUTO MASAMOTO<sup>5</sup></b> , <b>YUTAKA TOMITA<sup>6</sup></b> , <b>KENJI TANAKA<sup>7</sup></b>	<sup>1</sup> Tohoku university, Tokyo, Japan, <sup>2</sup> Keio University, Tokyo, Japan, <sup>3</sup> Tohoku University, Sendai, Japan	P-09-0526
P37.05	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.25 12:40	2019.09.25 14:40	Machine-learning-based classification between post-traumatic stress disorder and major depressive disorder using P300 features	<b>MISEON SHIM<sup>1</sup></b> , <b>MIN JIN JIN<sup>2</sup></b> , <b>CHANG-HWAN IM<sup>1</sup></b> , <b>SEUNG-HWAN LEE<sup>2</sup></b>	<sup>1</sup> University of Missouri-Kansas City, Kansas City, USA, <sup>2</sup> Psychiatry Department, Ilan Paik Hospital, Inje University, Goyang, Korea, Republic of, <sup>3</sup> Department of Psychology, Chung-Ang University, Seoul, Korea, Republic of, <sup>4</sup> Department of Biomedical Engineering, Hanyang University, Seoul, Korea, Republic of	P-09-0520
P37.06	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.25 12:40	2019.09.25 14:40	Interaction of FKBP5 polymorphism and childhood trauma on brain volume in healthy individuals	<b>AERAN KWON<sup>1</sup></b> , <b>SUNGKEAN KIM<sup>1</sup></b> , <b>HYEONJIN JEON<sup>1</sup></b> , <b>SEUNG-HWAN LEE<sup>2</sup></b>	<sup>1</sup> Clinical Emotion and Cognition Research Laboratory, Inje University Ilan Paik Hospital, Goyang, Korea, Republic of, <sup>2</sup> Department of Psychiatry, Inje University Ilan Paik Hospital, Goyang, Korea, Republic of	P-09-0516
P37.07	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.25 12:40	2019.09.25 14:40	Identification of potential neuroendulatory targets of stigmastanol through reverse docking integrated network pharmacology approach	<b>RAJU DASH<sup>1</sup></b> , <b>HO JIN CHOI<sup>1</sup></b> , <b>NUSRAT JAHAN SELSI<sup>2</sup></b> , <b>MD. NAZMUL HAQUE<sup>1</sup></b> , <b>MD. ABDUL HANNAN<sup>1</sup></b> , <b>IL SOO MOON<sup>1</sup></b>	<sup>1</sup> Department of Anatomy, Dongguk University School of Medicine, Gyeongju, Korea, Republic of, <sup>2</sup> Department of Pharmacy, University of Science & Technology Chittagong, Chittagong, Bangladesh	P-09-0515
P37.08	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.25 12:40	2019.09.25 14:40	Setonin modulates optimal coding of motion envelopes by enhancing neural and behavioral responses	<b>MARIANA M. MARQUEZ<sup>1</sup></b> , <b>MAURICE J. CHACRON<sup>1</sup></b>	<sup>1</sup> Physiology Department, McGill University, Montreal, Canada	P-09-0508
P37.09	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.25 12:40	2019.09.25 14:40	Involvement of area 3a in nociception processing investigated by fMRI of anesthetized rhesus monkey	<b>MIN-JUN HAN<sup>1</sup></b> , <b>CHAN-UNG PARK<sup>1</sup></b> , <b>EUNHA BAE<sup>2</sup></b>	<sup>1</sup> Department of Biomedical Engineering Sungkyunkwan University (SKKU), Suwon, Korea, Republic of, <sup>2</sup> Center for Neuroscience Imaging Research, Institute for Basic Science (IBS), Suwon, Korea, Republic of	P-09-0460
P37.10	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.25 12:40	2019.09.25 14:40	Distinct spatiotemporal responses of Dentate granule and mossy cells to local change in a one-dimensional landscape	<b>DAJUNG JUNG<sup>1</sup></b> , <b>SOYOUN KIM<sup>2</sup></b> , <b>ANVAR SARIEV<sup>2</sup></b> , <b>DAESOO KIM<sup>1</sup></b> , <b>SEBASTIAN ROYER<sup>2</sup></b>	<sup>1</sup> KAIST, Daejeon, Korea, Republic of, <sup>2</sup> KIST, Seoul, Korea, Republic of	P-09-0416
P37.11	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.25 12:40	2019.09.25 14:40	Cell-type specific role of the ventral pallidum and subthalamic nucleus circuitry in locomotion and behavior	<b>HYUNJU AHN<sup>1</sup></b> , <b>GYURYANG HEO<sup>1</sup></b> , <b>SIEUN JUNG<sup>1</sup></b> , <b>SEONG-RAE KIM<sup>1</sup></b> , <b>SUNG-YON KIM<sup>1</sup></b>	<sup>1</sup> Seoul Natl. Univ., Seoul, Korea, Republic of	P-09-0404
P37.12	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.25 12:40	2019.09.25 14:40	Slow spindles are associated with cortical high frequency activity	<b>MARYAM GHORBANI<sup>1</sup></b> , <b>NASRIN SADAT HASHEMI<sup>1</sup></b> , <b>FERESHTEH DEHNAVI<sup>1</sup></b> , <b>SAHAR MOGHIM<sup>1</sup></b>	<sup>1</sup> Department of Electrical Engineering, Ferdowsi University of Mashhad, Mashhad, Iran	P-09-0389
P37.13	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.25 12:40	2019.09.25 14:40	Analysis of Structural Connectivity Network of Basal Ganglia in Mouse Brain: MR Diffusion-Tractography at 9.4 T	<b>A-YOON KIM<sup>1</sup></b> , <b>HYEON-MAN BAEK<sup>1</sup></b>	<sup>1</sup> Gachon university, Incheon, Korea, Republic of, <sup>2</sup> Department of Health Science & Technology, GAIST, Gachon University, Incheon, Korea, Republic of, <sup>3</sup> Lee Gil Ya Cancer & Diabetes Institute, Gachon University, Incheon, Korea, Republic of	P-09-0388
P37.14	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.25 12:40	2019.09.25 14:40	Brain-wide neural dynamics during flexible task switching in mice	<b>DOHOUNG KIM<sup>1</sup></b> , <b>ALBERT LEE<sup>1</sup></b>	<sup>1</sup> Janelia Research Campus, Howard Hughes Medical Institute, Ashburn, VA, USA	P-09-0378
P37.15	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.25 12:40	2019.09.25 14:40	Structural correlates of modular organization of activity propagation in the primate somatosensory cortex.	<b>MOHU YAQUB MIR<sup>1</sup></b> , <b>LASZLA NAGYESSY<sup>2</sup></b>	<sup>1</sup> semmelweis university, Budapest, Hungary, <sup>2</sup> Wigner research centre, Budapest, Hungary	P-09-0356
P37.16	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.25 12:40	2019.09.25 14:40	Predicting transgenic markers of a neuron by electrophysiological properties using machine learning	<b>HYUNSU LEE<sup>1</sup></b> , <b>INCHEOL SEO<sup>2</sup></b>	<sup>1</sup> School of Medicine, Keimyung Univ., Daegu, Korea, Republic of, <sup>2</sup> Department of Anatomy, Keimyung University School of Medicine, Daegu, Korea, Republic of, <sup>3</sup> Department of Microbiology, Keimyung University School of Medicine, Daegu, Korea, Republic of	P-09-0352
P37.17	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.25 12:40	2019.09.25 14:40	Characterization of receptive fields of mouse retinal ganglion cells through comparative analysis of spike-triggered average and spike-triggered covariance	<b>JUNGRYUL AHN<sup>1</sup></b> , <b>YONGSEOK YOO<sup>2</sup></b> , <b>YONG SOOK GOO<sup>3</sup></b>	<sup>1</sup> Department of Physiology, Chungbuk National University School of Medicine, Cheongju, Korea, Republic of, <sup>2</sup> Department of Electronics Engineering, Incheon National University, Incheon, Korea, Republic of	P-09-0330
P37.18	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.25 12:40	2019.09.25 14:40	Persistent gamma spiking in SI non-sensory fast-spiking cells predicts perceptual success	<b>HYEYOUNG SHIN<sup>1</sup></b> , <b>CHRISTOPHER MOORE<sup>1</sup></b>	<sup>1</sup> Brown University, Providence, Rhode Island, USA	P-09-0298
P37.19	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.25 12:40	2019.09.25 14:40	Acute amyloid $\beta$ (25-35 and 1-40) effects on oscillatory activity and synaptic plasticity in the CA3-CA1 circuit of the hippocampus	<b>MAURICIO NAVA-MESA<sup>1</sup></b> , <b>CECILIE GAUTHIER-UMARA<sup>2</sup></b> , <b>JONHATAN MUÑOZ-CABRERA<sup>3</sup></b> , <b>MARIO VALDERRAMA<sup>4</sup></b> , <b>ALEJANDRO MUNERA<sup>5</sup></b>	<sup>1</sup> Universidad del Rosario (Bogotá, Col), Bogotá, Colombia, <sup>2</sup> Universidad del Rosario, Bogotá, Colombia, <sup>3</sup> Universidad Nacional de Colombia, Bogotá, Colombia, <sup>4</sup> Universidad de los Andes, Bogotá, Colombia, <sup>5</sup> Universidad Nacional de Colombia, Bogotá, Colombia	P-09-0281
P37.20	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.25 12:40	2019.09.25 14:40	Information processing in the primary olfactory cortex directly induces hippocampal synaptic plasticity	<b>DENISE MANAHAN-VAUGHAN<sup>1</sup></b> , <b>CHRISTINA STRAUCH<sup>1</sup></b>	<sup>1</sup> Ruhr University Bochum, Medical Faculty, Neurophysiology, Bochum, Germany	P-09-0225
P37.21	Grand Ballroom, 3F	Physiology: systems/network functions, computational neuroscience	2019.09.25 12:40	2019.09.25 14:40	Effect of interpopulation spike-timing-dependent plasticity on neuronal synchronized rhythms in clustered small-world networks with inhibitory and excitatory populations	<b>WOOCHANG LIM<sup>1</sup></b> , <b>SANG-YOON KIM<sup>1</sup></b>	<sup>1</sup> Institute for Computational Neuroscience and Daegu National University of Education, Daegu, Korea, Republic of	P-09-0193
P38.01	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Cholinergic effects on the visual responses in the superficial layer of mouse superior colliculus	<b>KOTA TOKUOKA<sup>1</sup></b> , <b>MASATOSHI KASAI<sup>1</sup></b> , <b>TADASHI ISA<sup>1</sup></b>	<sup>1</sup> Department of Physiology and Neurobiology, Graduate School of Medicine, Kyoto University, Kyoto, Japan	P-10-0590
P38.02	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Determining the role of NMDARs in retinofugal map formation	<b>KRISTY JOHNSON<sup>1</sup></b> , <b>JASON TRIPLETT<sup>2</sup></b>	<sup>1</sup> The George Washington University, Washington DC, USA, <sup>2</sup> The George Washington University and Childrens National Health Systems, Washington DC, USA	P-10-0585

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P38.03	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	An evolutionary-driven approach to detect critical coding and non-coding regions in deafness	ANABELLA TRIGILA <sup>1</sup> , FRANCESCO PISCIOTTANO <sup>2</sup> , LUCIA FRANCHINI <sup>3</sup>	<sup>1</sup> INGEBI - CONICET, Buenos Aires, Argentina	P-10-0584
P38.04	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Peripheral ablation of type 3 adenylyl cyclase contributes to hyperalgesia in mice	WEN-WEN ZHANG <sup>1</sup> , MAN-LI HU <sup>1</sup> , HONG CAO <sup>1</sup> , YU-QIU ZHANG <sup>1</sup>	<sup>1</sup> Institutes of Brain Science, State Key Laboratory of Medical Neurobiology and MOE Frontiers Center for Brain Science, Fudan University, Shanghai, China	P-10-0574
P38.05	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Lesion of cerebral cortex affects tactile sensitivity and affective motivation behaviors associated with sustained pain	GUOHONG WANG <sup>1</sup> , HAIYAN SHENG <sup>1</sup> , WENJING DAI <sup>1</sup> , HONG CAO <sup>1</sup> , YUQIU ZHANG <sup>1</sup>	<sup>1</sup> Institutes of Brain Science, State Key Laboratory of Medical Neurobiology and MOE Frontiers Center for Brain Science, Fudan University, Shanghai, China	P-10-0556
P38.06	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Changes in the ratio of chondroitin sulfate A and C of perineuronal net components on spinal motoneurons during postnatal development	MASAHITO TAKIGUCHI <sup>1</sup> , SONOKO MORINOBU <sup>1</sup> , RAN KOGANEMARU <sup>1</sup> , RISA SAKUYAMA <sup>1</sup> , KENGO FUNAKOSHI <sup>1</sup>	<sup>1</sup> Yokohama City University, Yokohama, Japan	P-10-0542
P38.07	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Podosome-directed MT1-MMP trafficking and surface insertion regulate AChR clustering & remodeling	ZORA CHUI KUEN CHAN <sup>1</sup> , YIN SHUN WONG <sup>2</sup> , ZHI XIN ZHANG <sup>3</sup> , ZHONG JUN ZHOU <sup>1</sup> , CHI BUN CHAN <sup>1</sup> , CHI WAI LEE <sup>1</sup>	<sup>1</sup> School of Biomedical Sciences, Li Ka Shing Faculty of Science, The University of Hong Kong, Hong Kong, Hong Kong SAR, China, <sup>2</sup> School of Biological Sciences, Faculty of Science, The University of Hong Kong, Hong Kong, Hong Kong SAR, China	P-10-0478
P38.08	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Anatomical analysis of branch specific input wiring on tuft dendrites in the neocortex using array tomography	NARI KIM <sup>1</sup> , SANG-KYU BAHN <sup>1</sup> , JINSEOP S KIM <sup>1</sup> , JOON HO CHOI <sup>1</sup> , JONG-CHEOL RAH <sup>1</sup>	<sup>1</sup> KBRI, Daegu, Korea, Republic of	P-10-0473
P38.09	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Why the fidget spinner is popular?: activation of a reward network during habitual motor movement.	MOMOKA NISHIMURA <sup>1</sup> , IBUKI ONO <sup>1</sup> , SUZUKA NARUKAWA <sup>1</sup> , IZUMI KUZUE <sup>1</sup> , SHOKO YUKI <sup>1</sup> , KOHTA KOBAYASI <sup>1</sup>	<sup>1</sup> Doshisha University, Kyoto, Japan	P-10-0462
P38.10	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Infrared laser hearing aid: Encoding method for creating linguistic and paralinguistic information	HARUKA YAMASATO <sup>1</sup> , YUTA TAMAI <sup>1</sup> , KAZUYUKI MATSUMOTO <sup>1</sup> , SHIZUKO HIRYU <sup>1</sup> , KHOTA KOBAYASI <sup>1</sup>	<sup>1</sup> Doshisha University, Kyoto, Japan	P-10-0455
P38.11	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Differential role of spinal progesterone in the induction and maintenance of mechanical allodynia in peripheral neuropathy: involvement of cytochrome P450c17	SHEU-RAN CHOI <sup>1</sup> , HO-JAE HAN <sup>1</sup> , JANG-HERN LEE <sup>1</sup>	<sup>1</sup> Department of Veterinary Physiology, BK21 PLUS Program for Creative Veterinary Science Research, Research Institute for Veterinary Science and College of Veterinary Medicine, Seoul National University, Seoul, Korea, Republic of	P-10-0407
P38.12	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Laser stimulation of auditory nerves through a tympanic membrane	YUTA TAMAI <sup>1</sup> , YUKI ITO <sup>1</sup> , TAKAFUMI FURUYAMA <sup>1</sup> , KENSUKE HORINOUCHI <sup>1</sup> , NAGOMI MURASHIMA <sup>1</sup> , ISUKI MICHIMOTO <sup>1</sup> , SHIZUKO HIRYU <sup>1</sup> , KOHTA KOBAYASI <sup>1</sup>	<sup>1</sup> Doshisha University, Kyoto, Japan	P-10-0382
P38.13	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Opioid Impacts Brain Morphology and Intrinsic Functional Network Architecture in Chronic Low Back Pain: A Pilot Structural and Functional MRI Study	BEHNAD JARRAH <sup>1</sup> , SEAN MACKEY <sup>1</sup>	<sup>1</sup> Stanford University School of Medicine, Palo Alto, USA	P-10-0379
P38.14	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Vocal rhythm as useful information for social behaviors in the songbird	MASASHI TANAKA <sup>1</sup> , KENTARO ABE <sup>1</sup>	<sup>1</sup> Tohoku University, Sendai, Japan	P-10-0365
P38.15	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Inner ear organoids derived from human pluripotent stem cells using rotary cell culture	BRYONY NAYAGAM <sup>1</sup> , CRISTIANA MATTEI <sup>1</sup> , REBECCA LIM <sup>2</sup> , HANNAH DRURY <sup>2</sup> , BABAK NASR <sup>3</sup> , ZIHUI LI <sup>1</sup> , MELISSA TADROS <sup>2</sup> , GIOVANNA D'ABACO <sup>2</sup> , KATHRYN STOK <sup>1</sup> , MIRELLA DOTTORI <sup>1</sup>	<sup>1</sup> The University of Melbourne, Melbourne, Australia, <sup>2</sup> The University of Newcastle, Newcastle, Australia, <sup>3</sup> The University of Wollongong, Wollongong, Australia	P-10-0347
P38.16	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Assessment of posterior visual pathway function using diffusion tensor imaging	EUN JUNG CHOI <sup>1</sup> , KOUNG MI KANG <sup>2</sup> , WOOJIN JUNG <sup>1</sup> , JONGHO LEE <sup>1</sup> , SEUNG HONG CHOI <sup>1</sup> , YONG HWY KIM <sup>1</sup> , YONG HWY KIM <sup>2</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Seoul National University Hospital, Seoul, Korea, Republic of, <sup>3</sup> Seoul National University, Seoul, Korea, Republic of	P-10-0327
P38.17	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Shining Light on an Amygdala-Brainstem Connection Relevant for Attention Processing	JOSE CANO <sup>1</sup> , KARINE FENELON <sup>2</sup>	<sup>1</sup> The University of Texas at El Paso, El Paso, Texas, USA, <sup>2</sup> University of Massachusetts Amherst, Amherst, Massachusetts, USA	P-10-0266
P38.18	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Behavioral evidence for geomagnetic imprinting and transgenerational inheritance in fruit flies	HYE-JIN KWON <sup>1</sup> , IN-TAEK OH <sup>2</sup> , SOO-CHAN KIM <sup>3</sup> , HYUNG-JUN KIM <sup>4</sup> , KENNETH J. LOHMANN <sup>5</sup> , KWON-SEOK CHAE <sup>1,2</sup>	<sup>1</sup> Department of Nano-science and technology, Kyungpook National University, Daegu 41566, Korea, Republic of, <sup>2</sup> Department of Biology Education, Kyungpook National University, Daegu 41566, Korea, Republic of, <sup>3</sup> Department of Electric and Electrical Engineering, Hankyong National University, Anseong 17579, Korea, Republic of, <sup>4</sup> Neural Development & Disease Department, Korea Brain Research Institute(KBRI), Daegu 41008, Korea, Republic of, <sup>5</sup> Department of Biology, University of North Carolina, Chapel Hill, North Carolina 27599, USA	P-10-0264
P38.19	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Optogenetic decoding of a long-range brain circuit for neuropathic pain	JUNTING HUANG <sup>1</sup> , VINICIUS M GADOTTI <sup>2</sup> , LINA CHEN <sup>2</sup> , IVANA ASSIS SOUZA <sup>2</sup> , DECHENG WANG <sup>2</sup> , SHUO HUANG <sup>2</sup> , ZIZHEN ZHANG <sup>2</sup> , GERALD ZAMPONI <sup>2</sup>	<sup>1</sup> University of Calgary, Calgary, Canada, <sup>2</sup> Department of Physiology and Pharmacology, Cumming School of Medicine, University of Calgary, Calgary, Canada	P-10-0261
P38.20	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Structural and molecular properties of insect neuromodulatory, type II, axon terminals.	HANS-JOACHIM PFLIGER <sup>1</sup> , THOMAS MATHEJCYK <sup>1</sup> , NIRAJA RAMESH <sup>1</sup> , CARSTEN DUCH <sup>2</sup> , NATALIA BISEROVA <sup>2</sup> , STEPHAN SIGRIST <sup>1</sup> , JULIEN COLOMB <sup>1</sup> , BETTINA STOCKER <sup>1</sup> , CRISTINA BOCHOW <sup>1</sup> , CHRISTINE DAMRAU <sup>1</sup> , CLAUDIA WEBER <sup>1</sup> , HEIKE WOLFENBERG <sup>1</sup>	<sup>1</sup> Freie Universitaet, Berlin, Germany, <sup>2</sup> University of Mainz, Mainz, Germany, <sup>3</sup> Moscow State University, Moscow, Russia	P-10-0251
P38.21	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Blue light and an inclination compass dependent human magnetoreception in geomagnetic field orientation	KWON-SEOK CHAE <sup>1</sup> , IN-TAEK OH <sup>1</sup> , SANG-HYUP LEE <sup>1</sup> , SOO-CHAN KIM <sup>1</sup> , HYE-JIN KWON <sup>1</sup>	<sup>1</sup> Kyungpook National University, Daegu, Korea, Republic of, <sup>2</sup> Hankyong National University, Anseong, Korea, Republic of	P-10-0249
P38.22	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Synaptic connectivity of urinary bladder afferents in the rat superficial dorsal horn and spinal parasympathetic nucleus	YONGCHUL BAE <sup>1</sup> , SOOK KYUNG PARK <sup>1</sup> , ANGOM PUSHPARANI DEVI <sup>1</sup> , JIN YOUNG BAE <sup>1</sup> , YI SUL CHO <sup>1</sup> , HYOUNG GON KO <sup>1</sup>	<sup>1</sup> School of Dentistry, Kyungpook National University, Daegu, Korea, Republic of	P-10-0241
P38.23	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Autonomous Sensory Meridian Response (ASMR): The Time Perception Approach	SAHAR SEIFZADEH <sup>1</sup> , MOHAMMAD ALI NAZARI <sup>1</sup>	<sup>1</sup> Division of Cognitive Neuroscience, Faculty of Educational Sciences and Psychology, University of Tabriz, Tabriz, Iran	P-10-0229
P38.24	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Primary somatosensory cortex is essential for texture discrimination but not object detection in mice	JUNG PARK <sup>1</sup> , CHRIS RODGERS <sup>1</sup> , Y. KATE HONG <sup>1</sup> , JACOB DAHAN <sup>1</sup> , RANDY BRUNO <sup>1</sup>	<sup>1</sup> Columbia University, New York, USA	P-10-0207
P38.25	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Distribution of excitatory and inhibitory axon terminals on the rat hypoglossal motoneurons	YI SUL CHO <sup>1</sup> , SANG KYOO PAIK <sup>1</sup> , HONG IL YOO <sup>1</sup> , SEUNG KI CHOI <sup>1</sup> , JIN YOUNG BAE <sup>1</sup> , SOOK KYUNG PARK <sup>1</sup> , JI HYUN LEE <sup>1</sup> , YONG CHUL BAE <sup>1</sup>	<sup>1</sup> School of Dentistry, Kyungpook National University, Daegu, Korea, Republic of, <sup>2</sup> College of Medicine, Eulji University, Daejeon, Korea, Republic of	P-10-0195
P38.26	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Roles of a group of tetraspan subtypes in DRG-mediated nociception	JI YEON LIM <sup>1</sup> , PYUNG SUN CHO <sup>1</sup> , MINSEOK KIM <sup>1</sup> , HAIYAN ZHENG <sup>1</sup> , SEUNG-IN CHOI <sup>1</sup> , GEUNYEOE CHOI <sup>1</sup> , SUN WOON HWANG <sup>1</sup>	<sup>1</sup> Korea University, Seoul, Korea, Republic of	P-10-0153
P38.27	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	The cellular mechanism of Temporomandibular joint and muscle disorder (TMD) pain	JOHN SHANNONHOUSE <sup>1</sup> , JOHN SHANNONHOUSE <sup>1</sup> , YU SHIN KIM <sup>1</sup>	<sup>1</sup> University of Texas Health Science Center San Antonio, San Antonio, USA	P-10-1867
P38.28	Grand Ballroom, 3F	Sensory and motor systems	2019.09.25 12:40	2019.09.25 14:40	Vision-taste cross-modal interaction and the potential brain mechanism	PEI LIANG <sup>1</sup> , JIAYU JIANG <sup>2</sup>	<sup>1</sup> Hubei University, Wuhan, China, <sup>2</sup> Research Center of Brain and Cognitive Neuroscience, Liaoning Normal University, Dalian, China	P-10-1893
P39.01	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Localized difference in blood-brain barrier permeability of rat brain after focused ultrasound induced disruption	HUINGKYU HUH <sup>1</sup> , BYUNG JIN JUNG <sup>1</sup> , MUN HAN <sup>1</sup> , JUYOUNG PARK <sup>1</sup>	<sup>1</sup> DGMIF, Daegu, Korea, Republic of	P-11-0555
P39.02	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	The Biological Safety After Blood Brain Barrier Disruption by Focused Ultrasound	EUN-HEE LEE <sup>1</sup> , MUN HAN <sup>1</sup> , HYO JIN CHOI <sup>1</sup> , JUYOUNG PARK <sup>1</sup>	<sup>1</sup> Daegu-Gyeongbuk Medical Innovation Foundation, Daegu, Korea, Republic of	P-11-0552
P39.03	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Discovery of $\beta$ -arrestin biased ligands of 5-HT <sub>2R</sub>	JEON LEE <sup>1</sup> , YOUNGJAE KIM <sup>2</sup> , HYUNJOO LEE <sup>2</sup> , HYUNGUK KIM <sup>1</sup> , HYUNAH CHOO <sup>2</sup>	<sup>1</sup> Division of Bio-Medical Science and Technology, KIST school, Korea University of Science and Technology (UST), Seoul, Korea, Republic of, <sup>2</sup> Center of Neuro-Medicine, Brain Science Institute, Korea Institute of Science and Technology, Seoul, Korea, Republic of, <sup>3</sup> School of Electrical Engineering, Korea Advanced Institute of Science and Technology, Daejeon, Korea, Republic of	P-11-0538
P39.04	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Synthesis and biological activity of biphenyl group derivatives	DOYOUNG KIM <sup>1</sup> , SOYEON LEE <sup>1</sup> , HYUNAH CHOO <sup>2</sup>	<sup>1</sup> Sogang University, Seoul, Korea, Republic of, <sup>2</sup> Korea Institute of Science and Technology (KIST), Seoul, Korea, Republic of	P-11-0537
P39.05	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Inhibition of miRNA let7i enhance the progesterone-induced neuroprotection	SEONGCHEOL KIM <sup>1</sup> , TRINH NGUYEN <sup>1</sup> , MEHARVAN SINGH <sup>1</sup>	<sup>1</sup> Loyola University Chicago Stritch School of Medicine, Maywood, USA, <sup>2</sup> UNT Health Science Center, Fort Worth, USA	P-11-0506
P39.06	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Protective effects of Nobiletin on Rotenone-induced neuronal dysfunction is mediated with complex 1 regulation	KHULAM AMARSANAA <sup>1</sup> , SUNG-CHEOL JUNG <sup>1</sup>	<sup>1</sup> Department of Physiology, School of Medicine, Jeju National University, Jeju-si, Korea, Republic of	P-11-0495
P39.07	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Convolutional Neural Networks for Discrimination of RNA Pseudouridine sites	MUHAMMAD TAHIR <sup>1</sup> , HILAL TAYARA <sup>1</sup> , KIL TO CHONG <sup>1</sup>	<sup>1</sup> Chonbuk National University, Jeonju, Korea, Republic of	P-11-0491
P39.08	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Identification of Promoters and Their Strength Using Deep Learning	HILAL TAYARA <sup>1</sup> , MIHANEOD OUBOYNT <sup>1</sup> , KIL TO CHONG <sup>1</sup>	<sup>1</sup> Chonbuk National University, Jeonju, Korea, Republic of	P-11-0489
P39.09	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Identification of RNA N6-Methyladenosine Sites Using Deep Learning	IMAN NAZARI <sup>1</sup> , KIL TO CHONG <sup>1</sup>	<sup>1</sup> Chonbuk National University, Jeonju, Korea, Republic of	P-11-0488
P39.10	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Drip1 controls mitochondrial membrane potential, which is independent to its fission promoting activity	HYO MIN CHO <sup>1</sup> , JAE RYUN RYU <sup>2</sup> , JUNE HOAN KIM <sup>2</sup> , WOONG SUN <sup>2</sup>	<sup>1</sup> Korea University College of Medicine, Seoul, Korea, Republic of, <sup>2</sup> Department of Anatomy, Brain Korea 21 Program, Korea University, 126 Anam-Dong, Seongbuk Gu, Seoul, Korea 02841, Seoul, Korea, Republic of, <sup>3</sup> Department of Anatomy, Brain Korea 21 Program, Korea University, 126 Anam-Dong, Seongbuk Gu, Seoul, Korea 02841, Department of Anatomy, Brain Korea 21 Program, Korea University, 126 Anam-Dong, Seongbuk Gu, Seoul, Korea 02841, Korea, Republic of	P-11-0483
P39.11	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Reference for developing single unit recording method in behaving animals with 3DnanoC electrodes	YEWOOL HUH <sup>1</sup> , SANGGEON PARK <sup>2</sup>	<sup>1</sup> Catholic Kwandong University, Incheon, Korea, Republic of, <sup>2</sup> Korea Institute of Science and Technology, Seoul, Korea, Republic of	P-11-0463
P39.12	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Maternal immune activation adversely affects the offspring's microglia via Type-1 interferon signaling	HILA BEN-YEHUDA <sup>1</sup> , ORIT MATCOVITCH-NATAN <sup>1</sup> , ALEXANDER KERTSER <sup>1</sup> , AMIT SPINRAD <sup>1</sup> , IDO AMIT <sup>1</sup> , MICHAEL SCHWARTZ <sup>1</sup>	<sup>1</sup> Weizmann Institute of Science, Rehovot, Israel	P-11-0461
P39.13	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	The prospects of dorsal myelotomy in treating contusive spinal cord injury	KRITHIKA IYER <sup>1</sup> , KHAVIYAA CHANDRAMOHAN <sup>1</sup> , PREEJA CHANDRAN <sup>1</sup> , FELICIA MARY MICHAEL <sup>1</sup> , JONATHAN YESHWANTH DANIEL <sup>1</sup> , SANKAR VENKATACHALAM <sup>1</sup>	<sup>1</sup> Department of Anatomy, University of Madras, Chennai, India	P-11-0458
P39.14	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Effect of mucuna pruriens extract in treating contusion spinal cord injury	PREEJA CHANDRAN <sup>1</sup> , KHAVIYAA CHANDRAMOHAN <sup>1</sup> , FELICIA MARY MICHAEL <sup>1</sup> , KRITHIKA IYER <sup>1</sup> , PRAKASH SEPPAN <sup>1</sup> , SANKAR VENKATACHALAM <sup>1</sup>	<sup>1</sup> Department of Anatomy, University of Madras, Chennai, India	P-11-0456
P39.15	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Rescue of axotomized motor cortical neurons from death by bone marrow derived stromal cells transplantation after spinal cord injury in rodent model	KHAVIYAA CHANDRAMOHAN <sup>1</sup> , LAVANYA VENKITASAMY <sup>1</sup> , KIRUBHANAND CHANDRASHEKARAN <sup>1</sup> , FELICIA MARY MICHAEL <sup>1</sup> , SANKAR VENKATACHALAM <sup>1</sup>	<sup>1</sup> Department of Anatomy, University of Madras, Chennai, India	P-11-0454
P39.16	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Effect of the extract of Cimicifuga dahurica and its active compound on reducing formation of amyloid beta peptides in HeLa cells transfected with an amyloid precursor protein	ANSUN PARK <sup>1</sup> , SANG-BIN LEE <sup>1</sup> , YOON SUN CHUN <sup>1</sup> , YOUNG HO KIM <sup>1</sup> , HYUN OK YANG <sup>1</sup>	<sup>1</sup> KOREA INSTITUTE OF SCIENCE AND TECHNOLOGY, gangneung, Korea, Republic of	P-11-0452
P39.17	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	7-Deoxy-trans-dihydronariclasine Isolated from Lycoris cheuensis Inhibits neuroinflammation in Experimental Models	DONG ZHAO <sup>1</sup> , LIJUN ZHANG <sup>2</sup> , HYUN OK YANG <sup>1</sup>	<sup>1</sup> Natural Products Research Center, Korea Institute of Science and Technology, Gangneung 25451, Gangwon-do, Republic of Korea, Gangneung, Korea, Republic of, <sup>2</sup> Natural Products Research Center, Korea Institute of Science and Technology, Gangneung 25451, Gangwon-do, Republic of Korea, Gangneung, Korea, Republic of	P-11-0451
P39.18	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	High-temperature-processed green tea potentiate neuronal differentiation by enhancing the levels of epigenetic catechins that inhibit DNA methyltransferase	HYUNG-SU KIM <sup>1</sup> , A YOUNG KIM <sup>1</sup> , SI-YOUNG CHO <sup>1</sup> , WON-SEOK PARK <sup>1</sup>	<sup>1</sup> Basic Research & Innovation Institute, AMOREPACIFIC R&D Center, Yongin-si, Korea, Republic of	P-11-0442

**POSTER PRESENTATIONS | Grand Ballroom, 3F, EXCO**

Abstract No.	Venue	Topic	Presentation Starts	Presentation Ends	Abstract Title	Authors	Affiliations	Submission No.
P39.19	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Development of high-resolution and high-sensitivity brain PET insert for 7T MRI scanner	JAE SUNG LEE <sup>1</sup> , JUN YEON WON <sup>1</sup> , HAEWOOK PARK <sup>1</sup> , SEUNGJUN LEE <sup>1</sup> , JECNG-WHAN SON <sup>2</sup> , GUEN BAE KO <sup>2</sup> , KYEONG YUN KIM <sup>1</sup> , YINA CHUNG <sup>2</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Brightonix Imaging Inc., Seoul, Korea, Republic of	P-11-0435
P39.20	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	DRD2 genotype-based variants modulates D2 receptor distribution in ventral striatum	MIKAEL VALLI <sup>1</sup> , SANG SOO CHO <sup>2</sup> , MARIO MASELLI <sup>3</sup> , ROBERT CHEN <sup>4</sup> , PABLO RUSJAN <sup>5</sup> , JIN-HEE KIM <sup>6</sup> , YUKO KOSHIMORI <sup>1</sup> , ALEXANDER MIHAESCU <sup>1</sup> , ANTONIO STRAFELLA <sup>2</sup>	<sup>1</sup> University of Toronto, Toronto, Canada, <sup>2</sup> Centre for Addiction and Mental Health (CAMH), Toronto, Canada, <sup>3</sup> Sunnybrook Health Sciences Centre, Toronto, Canada, <sup>4</sup> Toronto Western Hospital, Toronto, Canada	P-11-0431
P39.21	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Misregulation of mitochondria-lysosome contact sites in gluccocerebrosidase (GBA) Parkinson's patient neurons	SOOJIN KIM <sup>1</sup> , YVETTE WONG <sup>1</sup> , DIMITRI KRAINC <sup>1</sup>	<sup>1</sup> Department of Neurology, Northwestern University, Chicago, USA	P-11-0423
P39.22	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Ex-vivo Diffusion MRI Tractography: Mouse Basal Ganglia and Thalamic Structural Connectome	EUN BEE KIM <sup>1</sup> , HYEON-MAN BAEK <sup>2</sup>	<sup>1</sup> Department of Health Sciences and Technology, GAIST, Gachon University, Incheon, Korea, Republic of, <sup>2</sup> Lee Gil Ya Cancer & Diabetes Institute, Gachon University, Incheon, Korea, Republic of	P-11-0392
P39.23	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Neuronal protective effects of high-temperature-processed green tea extract (HTP-GTE) on oxidative stress in SH-SY5Y cells	A YOUNG KIM <sup>1</sup> , HYUNG-SU KIM <sup>1</sup> , SI-YOUNG CHO <sup>1</sup> , WON-SEOK PARK <sup>1</sup>	<sup>1</sup> Basic Research & Innovation Institute, AMOREPACIFIC R&D Center, Yongin-si, Korea, Republic of	P-11-0385
P39.24	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Molecular dynamics study for potential Abl tyrosine kinase inhibitors derived from 2-pyrzolinyl-1-carbothioamide	BEOM SOO KIM <sup>1</sup> , SANG WON JUNG <sup>1</sup> , WOOKYUNG YU <sup>1</sup>	<sup>1</sup> DGIST, Daegu, Korea, Republic of	P-11-0376
P39.25	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Effects of early life stress on the development of depression and epigenetic mechanisms of p11 gene	MI KYOUNG SEO <sup>1</sup> , AH JEONG CHOI <sup>1</sup> , JUNG GOO LEE <sup>1</sup> , SUNG WOO PARK <sup>2</sup>	<sup>1</sup> Paik Institute for Clinical Research, Inje University, Busan, Korea, Republic of, <sup>2</sup> Paik Institute for Clinical Research, Department of Health Sciences and Technology, Graduate School, Department of Convergence Biomedical Science, College of Medicine, Inje University, Busan, Korea, Republic of, <sup>3</sup> Paik Institute for Clinical Research, Department of Psychiatry, College of Medicine, Haeundae Paik Hospital, Department of Health Science and Technology, Graduate School, Inje University, Busan, Korea, Republic of	P-11-0358
P39.26	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Neuromodulatory effect of exogenous melatonin on central post stroke pain in rodents.	TAVLEEN KAUR <sup>1</sup> , BAI-CHUANG SHYU <sup>2</sup>	<sup>1</sup> National Yang Ming University/Academia Sinica, Taipei, Taiwan, China, <sup>2</sup> Academia Sinica, Taipei, Taiwan, China	P-11-0349
P39.27	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Towards Personalized Image Captioning via Multimodal Memory Networks	BYEONGCHANG KIM <sup>1</sup> , CESC CHUNSEONG PARK <sup>2</sup> , GUNHEE KIM <sup>3</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of, <sup>2</sup> Lunit Incorporation, Seoul, Korea, Republic of	P-11-0346
P39.28	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Fast and robust quantification of myelin water fraction in deep learning	JIEUN LEE <sup>1</sup> , DOOHEE LEE <sup>1</sup> , JOON YUL CHOI <sup>1</sup> , JONGHO LEE <sup>1</sup>	<sup>1</sup> Seoul National University, Seoul, Korea, Republic of	P-11-0328
P39.29	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	A monitoring system for axonal growth dynamics using micropatterns of permissive and Semaphorin 3F chemorepulsive signals	JAE RYUN RYU <sup>1</sup> , JUNE HOAN KIM <sup>1</sup> , HYO MIN CHO <sup>1</sup> , YOUHWA JO <sup>2</sup> , BORAM LEE <sup>2</sup> , WOONG SUN <sup>1</sup>	<sup>1</sup> Department of Anatomy College of Medicine Korea University, Seoul, Korea, Republic of, <sup>2</sup> Department of Anatomy College of Medicine Korea University, Seoul, Korea, Republic of	P-11-0326
P39.30	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Reconstruction of cultured neural circuits, using micropatterns of permissive and repulsive signals	JUNE HOAN KIM <sup>1</sup> , JAE RYUN RYU <sup>1</sup> , WOONG SUN <sup>1</sup>	<sup>1</sup> Department of Anatomy, College of Medicine, Korea University, Seoul, Korea, Republic of	P-11-0325
P39.31	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Expression and function of bitter taste receptors in the human blood-cerebrospinal fluid Barrier	ANA CATARINA DUARTE <sup>1</sup> , ISABEL GONÇALVES <sup>1</sup> , JOSÉ SANTOS <sup>1</sup> , ANA RAQUEL COSTA <sup>1</sup> , TELMA QUINTELA <sup>1</sup> , CECÍLIA SANTOS <sup>1</sup>	<sup>1</sup> Universidade da Beira Interior, Covilhã, Portugal	P-11-0278
P39.32	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Chronotype in remitted bipolar disorder: Clinical correlates and treatment impact	ABIR TOUNSI <sup>1</sup> , FATEN ELLOUZE <sup>2</sup> , MEHDI KAROUÏ <sup>2</sup>	<sup>1</sup> University Paris Diderot-Faculty of Medicine, Paris, France, <sup>2</sup> Razi Hospital, manouba, Tunisia	P-11-0253
P39.33	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Evaluation of the action of Salvia sp. in the neural differentiation of isolated mesenchymal stem cells of mouse bone marrow.	LILIANA FRANCIS TURNER <sup>1</sup> , DIANA KATHERINE GARZON PERDOMO <sup>2</sup> , LINA MARIA DE LOS REYES <sup>3</sup> , FRANCIS TURNER LILIANA <sup>4</sup>	<sup>1</sup> University of Tolima, Ibagué, Colombia, <sup>2</sup> University of Tolima, Ibagué, Colombia, <sup>3</sup> University of Tolima, Ibagué, Colombia	P-11-0239
P39.34	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Stem cell therapy modulates neuronal calcineurin expression in a rodent model of ischemic stroke	HARPREET KAUR <sup>1</sup> , DEEPANEETA SARMAH <sup>1</sup> , JACKSON SARAF <sup>1</sup> , KIRAN KALIA <sup>1</sup> , DILEEP R. YAVAGAL <sup>2</sup> , PALLAB BHATTACHARYA <sup>1</sup>	<sup>1</sup> Department of Pharmacology and Toxicology, National Institute of Pharmaceutical Education and Research, Ahmedabad (NIPER-A), Gandhinagar, Gujarat, India, Gandhinagar, India, <sup>2</sup> Department of Neurology and Neurosurgery, University of Miami Miller School of Medicine, Miami, Florida, USA, Miami, USA	P-11-0206
P39.35	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	NLRP1 inflammasome expression is regulated by ASIC1a following intra-arterial mesenchymal stem cell therapy	DEEPANEETA SARMAH <sup>1</sup> , HARPREET KAUR <sup>1</sup> , KANCHAN VATS <sup>1</sup> , KIRAN KALIA <sup>1</sup> , DILEEP R. YAVAGAL <sup>2</sup> , PALLAB BHATTACHARYA <sup>1</sup>	<sup>1</sup> National Institute of Pharmaceutical Education and Research-Ahmedabad (NIPER-A), Gandhinagar, India, <sup>2</sup> Department of Neurology and Neurosurgery, University of Miami Miller School of Medicine, Miami, USA	P-11-0194
P39.36	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	The Efficacy Of Involuntary Outpatient Commitment In Preventing Offense Recidivism In Patients With Schizophrenia	BILEL OUESLATI <sup>1</sup> , IMEN GASSARA <sup>1</sup> , RYM RIDHA <sup>1</sup>	<sup>1</sup> Razi Hospital, Faculty of Medicine of Tunis, La Manouba, Tunisia	P-11-0170
P39.37	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	TrainingSpace: neuroeducation without borders	MATHEW ABRAMS <sup>1</sup> , PRADEEP GEORGE <sup>1</sup> , EVA-LOTTA JOHANSSON <sup>1</sup> , MALIN SANDSTRÖM <sup>1</sup>	<sup>1</sup> INCF, Stockholm, Sweden	P-11-0160
P39.38	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	What role sex hormones play in the hippocampus of Amazon rodent submitted to lithium-pilocarpine?	VIVIAM SANABRIA <sup>1</sup> , SANDRA PEROSA <sup>1</sup> , SIMONE BITTENCOURT <sup>1</sup> , TOMÁS DE LA ROSA <sup>1</sup> , CARLA SCORZA <sup>1</sup> , MARIA G. NAFFAH-MAZZACORATTI <sup>1</sup> , ESPER CAVALHEIRO <sup>1</sup> , DÉBORA AMADO <sup>1</sup>	<sup>1</sup> Universidade Federal de São Paulo, São Paulo, Brazil	P-11-0102
P39.39	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Medical and neuroethical check points before human applications of the brain-machine interface technique	YOUNG-JOON RYU <sup>1</sup>	<sup>1</sup> Kangwon National University, Chun-Cheon, Korea, Republic of	P-11-1872
P39.40	Grand Ballroom, 3F	Others	2019.09.25 12:40	2019.09.25 14:40	Relevance of parvalbumin-positive inhibitory neurons for functional recovery in chronic subcortical capsular infarct model.	RA GYUNG KIM <sup>1</sup> , JONGWOOK CHO <sup>1</sup> , JI-YOUNG PARK <sup>1</sup> , EULGI LEE <sup>1</sup> , HYOUNG-IHL KIM <sup>1</sup>	<sup>1</sup> Department of Biomedical Science and Engineering, Gwangju Institute of Science and Technology, Gwangju, Korea, Republic of	P-11-1877