

14TH MEETING OF THE **ASIAN-PACIFIC SOCIETY FOR NEUROCHEMISTRY**

FINAL ANNOUNCEMENT

HOTEL ISTANA, KUALA LUMPUR | 27-30 AUGUST 2016

CONFIRMED PLENARY SPEAKERS



Prof. Ishwar S. Parhar
Monash University
Malaysia, **MALAYSIA**



Prof. Michael Häusser
University College
London, **UNITED KINGDOM**



Prof. Ann-Shyn Chiang
National Tsing Hua
University, **TAIWAN**



Prof. C. Justin Lee
Korea Institute of Sc. & Tech., **SOUTH KOREA**

PROGRAMME HIGHLIGHTS

PLENARY TALKS



4 plenary talks
Distinguished speakers will share new research and important findings in the field of Neuroscience (Neurochemistry).

SYMPOSIUM



12 symposia
Each symposium includes 4 speakers who deliver talks in relevance to special themes.

Y.I.G.



6 colloquia
Young investigators will share the knowledge and experience from their early research career.

Final call for oral & poster abstract submission

Final call for sponsorship & trade exhibition

Final call for early-bird registration

REGISTRATION FEES

REGISTRATION CATEGORY	MALAYSIA		INTERNATIONAL	
	Early Bird (RM)	Regular (RM)	Early Bird (USD)	Regular (USD)
MEMBER (ISN, APSN or MSN)				
Faculty/Professional	1100	1500	300	400
Postdoctoral fellow	900	1100	250	300
Postgraduate student	750	900	200	250
Social registrant	750	900	200	250
NON-MEMBER				
Faculty/Professional	1900	2250	500	600
Postdoctoral fellow	1500	1900	400	500
Postgraduate student	1100	1300	300	350
Social registrant	1100	1300	300	350
OTHERS				
Gala Dinner Ticket	150		60	

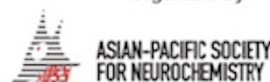
JOURNAL OF NEUROCHEMISTRY

All accepted abstracts will be published in **supplementary issue of Journal of Neurochemistry.**

IF = 4.281; Q1 Journal;
ISI Journal Citation Reports © Ranking:
2014: 55/252 (Neurosciences); 72/289 (Biochemistry & Molecular Biology)



Organised by:



ASIAN-PACIFIC SOCIETY FOR NEUROCHEMISTRY



Malaysian Society of Neurosciences
Persatuan Neurosains Malaysia

Co-organised by:



Supported by:



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Confirmed Symposia & Speakers

(1) SYMPOSIUM TOPIC: "The Living Chemistry of RNA"

Chair: Dr. Timothy Bredy, PhD (Australia)
Co-Chair: Dr. Robert Spitale, PhD (USA)



Dr. Timothy Mercer, PhD (Australia)
"Deep gene exploration of human chromosome 21"



Dr. Ohtan Wang, PhD (Japan)
"Imaging RNA in living neural circuits with hybridization-sensitive fluorescent probes"



Dr. Robert Spitale, PhD (USA)
"Structural imprints in vivo decode RNA regulatory mechanisms"



Dr. Timothy Bredy, PhD (Australia)
"RNA epigenetics: a new frontier in experience-dependent neural plasticity"

(2) SYMPOSIUM TOPIC: "Microglia: Immune Cells or Brain Cells?"

Chair: Dr. Florent Ginhoux, PhD (Singapore)
Co-Chair: Dr. Sharmili Vidyadaran, PhD (Malaysia)



Dr. Florent Ginhoux, PhD (Singapore)
"Microglial ontogeny and functions in shaping embryonic brain circuits"



Professor Iain Campbell, PhD (Australia)
"Intrinsic determination of microglial function in health and disease - role of IRF8"



Dr. Sharmili Vidyadaran, PhD (Malaysia)
"Microglia Immunoregulation and its Implications"



Professor Schulichi Koizumi, PhD (Japan)
"Ischemic tolerance mediated by microglia-astrocytes communications"

(3) SYMPOSIUM TOPIC: "Common Molecular Aspects of Neurodevelopmental and Psychiatric Disorders"

Chair: Professor Koh-ichi Nagata, MD PhD (Japan)
Co-Chair: Dr. H. Shawn Je, PhD (Singapore)



Professor Koh-ichi Nagata, MD PhD (Japan)
"Comprehensive analyses of RBFOX1, a causative gene for neurodevelopmental and psychiatric diseases, in the brain development"



Dr. Zhi-Qi Xiong, PhD (China)
"Synaptic mechanisms of intellectual disability"



Associate Professor Sang-Ki Park, PhD (South Korea)
"Disrupted-In-schizophrenia 1 in Intracellular Calcium Homeostasis"



Dr. H. Shawn Je, PhD (Singapore)
"Molecular interplay between BDNF and dysbindin-1 in schizophrenia"

(4) SYMPOSIUM TOPIC: "Glycolipids and the Regulation of Complex Networks in Neural Membranes"

Chair: Professor Sandro Sonnino, PhD (Italy)
Co-Chair: Professor Alessandro Prinetti, PhD (Italy)



Professor Alessandro Prinetti, PhD (Italy)
"Lipid membrane domains in the brain"



Professor Rachel S. Kraut, PhD (Singapore)
"Pathogen-inspired glycolipid probes reveal membrane heterogeneity and dynamics"



Dr. Yoshio Hirabayashi, PhD (Japan)
"A novel neuron-glia interaction mediated by new glycolipid metabolite and its specific receptor"



Dr. Teruhiko Matsubara, PhD (Japan)
"Direct imaging of Abeta assembly and fibril formation on ganglioside-containing microdomain by atomic force microscopy"

(5) SYMPOSIUM TOPIC: "Metals in the Aetiology and Treatment of Neurodegenerative Disease"

Chair: Associate Professor Kay Double, PhD (Australia)
Co-Chair: Dr. Dominic Hare, PhD, FRSC, MACS (Australia)



Associate Professor Kay Double, PhD (Australia)
"Copper and iron changes in Parkinson's disease brain, implications for aetiology and potential for novel treatments"



Dr. Dominic Hare, PhD, FRSC, MACS (Australia)
"Early life iron exposure as a risk factor for neurodegeneration"



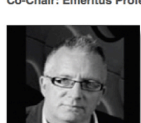
Professor Atsushi Takeda, PhD (Japan)
"Is interaction of extracellular Zn2+ with beta-amyloid involved in cognitive deficit in the pre-dementia stage of Alzheimer's disease"



Dr. Peng Lei, PhD (China)
"Iron and Alzheimer's disease"

(6) SYMPOSIUM TOPIC: "Boosting Brain Function with Nutraceuticals; What is the Evidence and How Might They Work?"

Chair: Professor Caroline Rae, PhD (Australia)
Co-Chair: Emeritus Professor Yukio Yoneda, PhD (Japan)



Professor Andrew Scholey, PhD CPsychol, AFBPsS (Australia)
"Dietary flavonoids as cognitive enhancers"



Emeritus Professor Yukio Yoneda, PhD (Japan)
"A green tea nutraceutical for dementia"



Professor Hyoung-Chun Kim, PhD (Korea)
"Ginsenoside Rg protects methamphetamine-induced dopaminergic neurotoxicity via modulating PKC delta gene"



Professor Caroline Rae, PhD (Australia)
"Creatine as a booster for brain function; some unexplained riddles"

(7) SYMPOSIUM TOPIC: "Neurochemical Mechanisms Underlying Vulnerability to Drug Addiction"

Chair: Dr. Jee Hyun Kim, PhD (Australia)
Co-Chair: Associate Professor Haowei Shen, PhD (China)



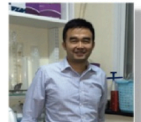
Professor Susan Schenk, PhD (New Zealand)
"Dopamine and serotonin as mediators in drug-taking and drug-seeking"



Dr. Jee Hyun Kim, PhD (Australia)
"The role of dopamine in adolescent vulnerability to addiction"



Associate Professor Jennifer Cornish, PhD (Australia)
"Oxytocin systems as a therapeutic target for methamphetamine addiction"



Dr. Haowei Shen, PhD (China)
"Glutamate homeostasis in biological vulnerability to drug addiction and relapse"

(8) SYMPOSIUM TOPIC: "Molecular Pathways in Autism Spectrum Disorders"

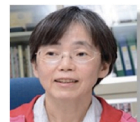
Chair: Dr. Jason Howitt, PhD (Australia)
Co-Chair: Professor Toru Takumi, MD PhD (Japan)



Professor Toru Takumi, MD PhD (Japan)
"Copy number variation models with autism"



Dr. Jason Howitt, PhD (Australia)
"The PTEN/mTOR pathway in autism spectrum disorders"



Professor Yi-Ping Hsueh, PhD (Taiwan)
"Neuronal morphogenesis and neurodevelopmental disorders"



Professor Xiaohui Zhang, PhD (China)
"Rett Syndrome protein MeCP2 regulates critical period plasticity of visual cortex"

(9) SYMPOSIUM TOPIC: "New Insights on Oxidative Stress in Neurodegenerative Diseases and Therapeutic Potential of Anti-oxidants as a Drug for the Pre-emptive Medicine"

Chair: Dr. Mohd Hanafi Ahmad Damanhuri, PhD (Malaysia)
Co-Chair: Professor Ikuo Toyoyama, PhD (Japan)



Dr. Mohd Hanafi Ahmad Damanhuri, PhD (Malaysia)
"Novel biomarkers as indicator for accelerated cognitive decline in normal aging"



Associate Professor David I Finkelstein, PhD (Australia)
"Designing new metal chaperones as possible therapeutics for Parkinsonism"



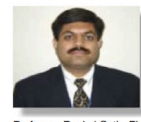
Professor Ikuo Toyoyama, PhD (Japan)
"A novel curcumin derivative, F-methyl-curcumin-1 (FMeC1), is a potential diagnostic and therapeutic agent for Alzheimer's disease"



Dr. Noazrina Azmi, PhD PhD (Malaysia)
"Potential therapeutic phytochemicals from Ocimum basilicum for the prevention and management of neurodegenerative diseases"

(10) SYMPOSIUM TOPIC: "Neuron-Glia Crosstalk in Healthy and Diseased Brain"

Chair: Professor Pankaj Seth, PhD (India)
Co-Chair: Associate Professor Gavin Stewart Dawe, PhD (Singapore)



Professor Pankaj Seth, PhD (India)
"Neuron-Glia Interactions: Friends turn foe in HIV-1 induced neurodegeneration"



Dr. Sourav Banerjee, PhD (India)
"Feeding your brain: Modulation feeding circuitry by glial cells"



Associate Professor Gavin Stewart Dawe, PhD (Singapore)
"Lipocalin 2 and lipocalin 2 receptor in neuron-glia interactions following injury"



Associate Professor S Thameem Dheen, PhD (Singapore)
"Epigenetic regulation of TGFβ signaling pathway in glioma-associated microglia"

(11) SYMPOSIUM TOPIC: "Motor Control and Sensorimotor Integration: Circuitry and Plasticity"

Chair: Professor Wing-Ho Yung, DPhil (Hong Kong)
Co-Chair: Professor Ying-Shing Chan, PhD (Hong Kong)



Professor Ying-Shing Chan, PhD (Hong Kong)
"IPSC and optogenetics technologies for interrogating functional synaptic connections in vitro"



Dr. Kaa-Joo Lee, PhD (Korea)
"Motor learning-induced multiple synapse formation in the cerebellum: 3-D electron microscopy"



Professor Jing-Ning Zhu, PhD (China)
"Peptidergic modulation of cerebellar nuclear neurons in promoting motor coordination"



Professor Wing-Ho Yung, DPhil (Hong Kong)
"Refinement of circuitry in the primary motor cortex during motor learning"

(12) SYMPOSIUM TOPIC: "Generating New Neurons: From Development to Cell-based Therapy"

Chair: Professor Ken KL Yung, DPhil (Hong Kong)
Co-Chair: Professor Daisy KY Shum, PhD (Hong Kong)



Dr. Eytan LK Goh, PhD (Singapore)
"IPSC and optogenetics technologies for interrogating functional synaptic connections in vitro"



Professor Ken KL Yung, DPhil (Hong Kong)
"Neural stem cell harvest from live adults: A novel approach for autologous cell replacement therapy"



Dr. Jin-Wu Tsai, PhD (Taiwan)
"Peering into stem cells in live brain: Interdisciplinary approaches to study neural development and disorder"



Professor Daisy KY Shum, PhD (Hong Kong)
"IPSC-derived sensory neurons for fate commitment of bone marrow-derived Schwann cells: Utilization in re-myelination therapy"