



International Conference on  
**Neurovascular and  
Neurodegenerative Diseases**

**October 15-17, 2018**

**Tentative Program**

ヒルトン成田

HILTONNARITA

千葉県成田市小菅456286-0127

456KOSUGENARITACHIBA286-0127JAPAN

08:30-09:00

Registrations and Introduction to NVND-2018

09:00-11:30

## Keynote Session

### To Be Announced

*Ogan Gurel, Daegu Gyeongbuk Institute of Science & Technology, South Korea*

### The Green Tea Amino Acid Theanine Accelerates Neurogenesis from Neural Progenitors

*Yukio Yoneda, Kanazawa University, Japan*

### Designed Multi Target Drugs Initiating Neuroprotection, Neurorestoration and Mitochondrial Biogenesis via Activation of PGC-1 $\alpha$ For Alzheimer'S Disease

*Moussa B.H. Youdim, Youdim Pharmaceuticals, Israel*

### Mitochondrial Dysfunction in the Mechanism of Neurodegeneration of Familial form of Parkinson's Disease

*Andrey Y Abramov, UCL Institute of Neurology, UK*

11:30-11:45

Coffee Break

10:45-11:00

Networking Break

11:00-13:00

Session 1

### Autoimmune Biomarkers and AI algorithms Could Lead to New Diagnosis and Treatment Options in Neurodegenerative Diseases such as Glaucoma

*Franz Grus, University Medical Center, Germany*

### Incidence, Risk Factors and Genetic Associations of Leukoaraiosis Indicate Pathophysiological Mechanisms in White Matter Lesions Etiology

*Chi-Meng Tzeng, Jiansu Institute of Translational Medicine, China*

### Endothelial TIGAR Protects Tight Junction Integrity and the Blood Brain Barrier from Excessive Autophagy during Hypoglycemic Stress

*Feng Han, Nanjing Medical University, China*

### Progressive Neuropathy – Does the Bladder Matter in Multiple Sclerosis (MS)

*Gurpreet Singh, NHS, UK*

### Role of Green Tea Catechin Metabolites on the Brain: A Study of the Blood-Brain Barrier Permeability and the Neuritogenic Activity

*Keiko Unno, University of Shizuoka, Japan*

**Can Remyelination be Enhanced by Immunomodulatory Therapeutic Modality?**

*Rina Aharoni, The Weizmann Institute of Science, Israel*

**Neurovascular Coupling in the Striatum under Normal and Diseased Condition**

*Yen-Yu Ian Shih, University of North Carolina, USA*

**Terahertz Imaging and Electromagnetic Model of Axon Demyelination in Alzheimer's Disease**

*Ogan Gurel, Daegu Gyeongbuk Institute of Science & Technology, South Korea*

**To be Announce**

*Yuko Harada, Yamato Tokushukai Hospital, Japan*

**Neurovascular Manifestations of Oxidative Stress in Diabetes, Smoking, and Surgical Wound Healing**

*Michael J Brenner, University of Michigan School of Medicine, USA*

**Can Valproic Acid Treat Neurodegenerative Diseases?**

*Atsuko Kimura, Tokyo Metropolitan Institute of Medical Science, Japan*

**Speaker's Slot Available**

13:00-14:00

**Lunch**

14:00-16:00

**Session 2**

**Protein-energy Malnutrition Exacerbates Stroke-induced Motor Abnormalities and Dampens Neuroinflammation**

*Mariam Alaverdashvili, University of Saskatchewan, Canada*

**Stroke Cerebroprotection: Role of Endogenous Progesterone and its Intracellular Receptors**

*Rachida Guennoun, INSERM and University Paris-Sud and University Paris-Saclay, France*

**A Nearly Full-recovery from AVM Hemorrhagic Stroke 17 Years after Insult Using a New Integrated Neurodevelopmental Approach. A Case Study**

*Alberto Friedmann, Indiana State University, USA*

**Dual-Afferent Sensory Input Training for Voluntary Movement After Stroke: A Pilot Randomized Controlled Study**

*Seahyun Bae, Dongshin University, South Korea*

## Patients with the History of Stroke: Drug Treatment and Outcomes in Real Outpatient Practice

*Mikhail Loukianov, National Medical Center for Preventive Medicine, Russia*

## Neural activity-dependent transcription factor Npas4 plays a crucial role in neuronal survival after ischemic stroke

*Akio Tsuboi, Osaka University, Japan*

16:30-16:45

Networking Break

16:45-15:45

Poster Presentations

## Program

Day-2  
Oct 16, 2018

08:30-10:00

Symposium on "Novel Therapeutic Targets for Neurodegeneration"

### The Role of Prostaglandin E2 in Dopaminergic Neurodegeneration of Parkinson's Disease

*Yuri Ikeda-Matsuo, Hokuriku University, Japan*

### Transglutaminases in Neurodegenerative Diseases

*Katsura Takano, Osaka Prefecture University, Japan*

### Protective role of NDRG2 in Blood-brain Barrier Integrity following Ischemia

*Mika Takarada-Iemata, Kanazawa University, Japan*

### Challenge to Elucidate the Cause of Depression-like Symptoms by Individuality

*Hirotaaka Oikawa, Suzuka University of Medical Science, Japan*

10:00-10:15

Coffee Break

10:15-13:00

Session 3

### Is Isorhynchophylline a Promising Agent for Alzheimer's Disease: Pharmacological Studies on TgCRND8 Transgenic Mice

*Zhi-Xiu Lin, The Chinese University of Hong Kong, Hong Kong*

### Magnolol, Honokiol and Their combination Ameliorate the Cognitive Deficits Induced by Beta Amyloid1-42 in Rats via GSK-3 $\beta$ Signaling Pathway

*Yan-Fan Xian, The Chinese University of Hong Kong, Hong Kong*

### Neuronal Signaling Imbalances Underlie Early Sensory Deficit in Dementia

*Lavinia Alberi, Swiss Integrative Center for Human Health, Switzerland*

**Cholinergic Grb2-Associated-Binding Protein 1 Regulates Cognitive Function through SK Channel**

*Ying-mei Lu, Zhejiang University, China*

**Disease Management in Alzheimer's Disease Centre: The Analysis of Dementia Cases followed up from Diagnosis to Death**

*Nataliya Mikhaylova, IFSBSI "Mental health research centre", Russia*

**Automated operand conditioning as a reproducible cognitive challenge to study treatment effects in pig models**

*Christian Manteuffel, Leibniz Institute for Farm Animal Biology, Germany*

**Therapeutic potential of targeting NLRP3 inflammasome for Alzheimer's disease**

*Dong Sun, Virginia Commonwealth University, USA*

**To be Announced**

*Shinichiro Miyazaki, Shin-yurigaoka General Hospital, Japan*

**To be Announced**

*Hisanao Akiyama, St. Marianna University School of Medicine, Japan*

**Should the Treatment of Amyloidosis be Personified? Molecular Mechanism of Amyloid Formation by Abeta Peptide and its Fragments**

*Oxana V. Galzitskaya, Institute of Protein Research, Russia*

**Determination of Regions Involved in Amyloid Fibril Formation: Abeta Peptide and its Fragments**

*Alexey Surin, Institute of Protein Research, Russia*

**Predictive Factors for Dementia and Cognitive Impairment Among Residents Living in the Veterans' Retirement Communities in Taiwan: Implications for Cognitive Health Promotion Activities**

*Liang-Yu Chen, Taipei Veterans General Hospital, Taiwan*

**Molecular Hydrogen Inhalation Treatment for Neurovascular and Neurodegenerative Disease**

*Hirohisa Ono, Juntendo University, Japan*

**Sphingosine 1-Phosphate metabolism in Alzheimer's Disease**

*Olivier Cuvillier, INSERM, France*

*Speaker's Slot Available*

13:00-14:00

Lunch

14:00-16:30

*Session 4*

**Integration of Gene Expression and GWAS Results Supports Involvement of Calcium Signaling in Schizophrenia**

*Libi Hertzberg, Shalvata Mental Health Center, Israel*

**Are Premorbid Abnormal Personality Traits Associated with Behavioural and Psychological Symptoms in Dementia?**

*Harry Boothby, Surrey and Borders Partnership NHS Foundation Trust, UK*

*Speakers' Slot Available*

16:30-16:45

**Networking Break**

16:45-18:00

*Poster Presentations*

**Program**

*Day-3  
Oct 17, 2018*

9:00-13:00

*Session-5*

**The Phenotype of Idiopathic Parkinson's Disease in Populations of African Origin**

*Marcelle Smith, Wits Donald Gordon Medical Centre, South Africa*

**Comparison of Body Composition, Nutritional Habits, and Components in Parkinson's Disease Patients Living in Urban and Country Side Environmental**

*Arthur Oscar Schelp, São Paulo State University, Brazil*

**Speed and Temporal Adaptations during Non-Motorized Treadmill Walking in Parkinson Disease and Non-Disabled Individuals**

*Chia-Yu Kuo, Taipei Veterans General Hospital, Taiwan*

**RNA-Sequencing of Parkinson's Disease Brain Tissues Indicates LRRK2-Mediated Protection by the Long Non-coding RNA NEAT1**

*Alon Simchovitz, Hebrew University of Jerusalem, Israel*

**Increased Expression of AQP4 and AQP9 in Hippocampus of Eclampsia-like Rat Model**

*Huang Qian, Guangzhou Medical University, China*

11:00-11:15

**Coffee Break**

*Speakers' Slot Available*

13:00

**Lunch & Departures**



## List of Poster Presentation

- P01**      **Social Participation Related to Cognitive Performance in Community-dwelling Older Adults: A Prospective Cohort Study in Japan**  
*Kimiko Tomioka, Nara Prefectural Health Research Center, Japan*
- P02**      **Analysis of Micro and Macrolinguistic Aspects in the Narratives of Individuals with Alzheimer's Disease, Mild Cognitive Impairment and no Cognitive Impairment**  
*Cintia Toledo, University of São Paulo, Brazil*
- P03**      **Effect of Erinacine A-enriched Hericium Erinaceus on Anti-aging in Senescence Accelerated Mice**  
*Liya Lee, Grape King Bio Ltd., Taiwan*
- P04**      **Effect of Erinacine A-enriched Hericium Erinaceus on Learning and Memory in Senescence Accelerated Mice**  
*I-Chen Li, Grape King Bio Ltd., Taiwan*
- P05**      **An Adult Case of Noonan Syndrome Associated with Persistent Right Primitive Olfactory Artery and Vertebrobasilar Artery Hypoplasia**  
*Yasushi Shibata, University of Tsukuba, Japan*
- P06**      **Neuronal Defects in TAF15-Expressing Flies are Suppressed by Parkin**  
*Kiyoung Kim, Soonchunhyang University, South Korea*
- P07**      **Predictors of Subclinical Multifocal Atherosclerosis**  
*Tatyana Naiden, State North-Western University by I.I. Mechnikova, Russia*
- P08**      **Plasma Protein Profiling for Potential Biomarkers in the Early Diagnosis of Alzheimer's Disease**  
*Yuki Kitamura, Kinjo Gakuin University of Pharmacy, Japan*
- P09**      **Emergency Microsurgical Embolectomy in Acute Ischemic Stroke with Diffusion-Negative MRI**  
*Sung Don Kang, Wonkwang University Hospital, South Korea*

- P10**      **MicroRNA's are New Generation Markers of Alzheimer's Disease**  
*David Stejskal, University Hospital Ostrava, Czech Republic*
- P11**      **Pharmacological Actions of Hydrogen Sulfide Donors on Sympathetic Neurotransmission in the Bovine Anterior Uvea, *In vitro***  
*Catherine A Opere, Creighton University, USA*
- P12**      **Frequency of RNF213 p.R4810K Variant in Korean Patients Undergoing Trans-Femoral Cerebral Angiography for Stent Insertion**  
*Eunsin Bae, Veterans Health Service Medical Center, South Korea*
- P13**      **The Pyk2/MCU Pathway in the Rat Middle Cerebral Artery Occlusion Model of Ischemic Stroke**  
*Kun Zhang, Hebei Medical University, China*

**Note:** This is a tentative program for the conference and is subjected to change without any prior notice.