

Chairs : Kevin Campbell

The University of Iowa, USA / Howard Hughes Medical Institute, USA

Tatsushi Toda

Department of Neurology, Graduate School of Medicine, The University of Tokyo, Japan

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- ★ AO-01-1 **Aberrant CHCHD2-Associated Mitochondriopathy in Kii ALS/PDC Astrocytes**  
**Satoru Morimoto**  
 Department of Physiology, Keio University, School of Medicine, Japan / Department of Oncologic Pathology, Mie University Graduate School of Medicine, Mie, Japan / Neurodegenerative disease research, Tokyo Metropolitan Institute for Geriatrics and Gerontology, Japan
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- ★ AO-01-2 **Glia-neuron transmission of alpha-synuclein oligomers in an aggressive multiple system atrophy model**  
**Masaya Harada**  
 Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University, Japan / Division of Respiratory, Neurology and Rheumatology, Department of Medicine, Kurume University School of Medicine, Japan
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- ★ AO-01-3 **Brain-resident CD8 T cells regulate inflammation in the early pathogenesis of Alzheimer's disease**  
**Asato Tsuji**  
 Division of Neurology, Kobe University Graduate School of Medicine, Japan
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- ★ AO-01-4 **WIPI4 depletion associated with BPAN causes PE-dependent ferroptosis**  
**Motoki Fujimaki**  
 Department of Neurology, University of Tsukuba, Japan
- 
- ★ AO-01-5 **A cyclic pyrrole-imidazole polyamide: therapeutic agents for CAG/CTG triplet repeat diseases**  
**Susumu Ikenoshita**  
 Department of Genomic Neurology, Institute of Molecular Embryology and Genetics, Kumamoto University, Japan / Department of Neurology, Graduate School of Medical Sciences, Kumamoto University, Japan
- 
- ★ AO-01-6 **Ecological and functional characteristics of the gut phageome in patients with multiple sclerosis**  
**Daiki Takewaki**  
 Department of Immunology, National Center of Neurology and Psychiatry, Japan / Multiple Sclerosis Center, National Center of Neurology and Psychiatry, Japan / Laboratory for Symbiotic Microbiome Sciences, RIKEN, Japan

Chairs : Roongroj Bhidayasiri

AOAN Delegate of Thailand / Chulalongkorn Centre of Excellence for  
Parkinsons Disease and Related Disorders, Thailand

Kazutoshi Nishiyama

Department of Neurology, School of Medicine, Kitasato University, Japan

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- ★ AO-02-1 Molecular epidemiology of ataxias in Japan - J-CAT study -  
Yuka Hama  
Department of Neurology, National Center Hospital, National Center of Neurology and  
Psychiatry, Japan
- 
- ★ AO-02-2 Serum TPPP/p25 is a novel diagnostic biomarker for subjects at risk  
of Lewy body disease  
Yoshiyuki Kishimoto  
Department of Neurology, Nagoya University Graduate School of Medicine, Japan
- 
- ★ AO-02-3 Nodal ATP1A2/3 antibody is a new pathogenic marker for juvenile  
onset NMOSD/CCPD and progressive MS  
Xu Zhang  
Translational Neuroscience Research Center, Graduate School of Medicine, International  
University of Health and Welfare, Okawa, Japan
- 
- ★ AO-02-4 Identification of the serum protein biomarker for the diagnosis of  
Cerebral Amyloid Angiopathy  
Akisato Nishigaki  
Department of Neurology, Mie University Graduate School of Medicine, Japan
- 
- ★ AO-02-5 Clinical features of anti-Caspr1 autoimmune nodopathy in Japan  
Takumi Tashiro  
Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu  
University, Japan
- 
- ★ AO-02-6 Multimodal analysis of MRI and tau PET measures in progressive  
supranuclear palsy  
Ryoji Goto  
Department of Functional Brain Imaging, Institute for Quantum Medical Science, Quantum Life  
and Medical Science Directorate, National Institutes for Quantum Science and Technology, Japan  
／ Department of Neurology, Graduate School of Medicine, The University of Tokyo, Japan

Chairs : Wolfgang Grisold

WFN President / Medical University of Vienna, Austria

Yoshikazu Ugawa

Department of Human Neurophysiology, Fukushima Medical University, Japan

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- ★ AOe-01-1 Radiomics-informed brain age matrices for classifying mild cognitive impairment converters  
Hanna Lu  
The Chinese University of Hong Kong, Hong Kong SAR, China
- 
- ★ AOe-01-2 Residential greenness and risk of incident dementia: a prospective study of 375,342 participants  
He Ying Hu  
Qingdao University, China
- 
- ★ AOe-01-3 The genetic basis of cerebellar white matter microstructure and genetic overlap with brain disorders  
Bangsheng Wu  
Department of Neurology and National Center for Neurological Disorders, Huashan Hospital, State Key Laboratory of Medical Neurobiology and MOE Frontiers Center for Brain Science, Shanghai Medical College, Fudan University, China
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- ★ AOe-01-4 A non-invasive and innovative test for human prion disease using hair root and scalp  
Trang Dong Thi Thu  
Outpatient Clinic for Senior Officer, 108 Military Central Hospital, Ha Noi, Viet Nam, Vietnam
- 
- ★ AOe-01-5 Plasma proteomic profiles predict future dementia in healthy adults  
Yu Guo  
Huashan Hospital, Fudan University, China
- 
- ★ AOe-01-6 Brain immune system PET imaging as a biomarker for drug discovery in neurodegenerative diseases  
Anjani K. Tiwari  
Babasaheb Bhimrao Ambedkar University, Lucknow, India / Institute of Nuclear Medicine & Allied Sciences, Delhi, India

Chair : Takeshi Iwatsubo

Neuropathology, University of Tokyo, Japan

- ★ AP-01-1 A new Alzheimer's disease model mouse with cholinergic dysfunction and amyloid pathogenesis  
Yo Tsuda  
Department of Neurology, Nagoya City University, Japan
- ★ AP-01-2 Decoding the Impact of Circadian Rhythms and Aging on Gene Expression in the Mouse Corpus Callosum  
Hidehiro Ishikawa  
Department of Neurology, Mie University Graduate School of Medicine, Japan / Neuroprotection Research Laboratories, Departments of Radiology and Neurology, Massachusetts General Hospital and Harvard Medical School, USA
- ★ AP-01-3 Characterization of CHCHD2 variants linked to amyotrophic lateral sclerosis and Parkinson's disease  
Aya Ikeda  
Department of Neurology, Faculty of Medicine, Juntendo University, Japan
- ★ AP-01-4 An analysis of phenotypic features of anti-IgLON5 disease in IgLON5-deficient mouse  
Sin Yi Lee  
Department of Neurology, Keio University School of Medicine, Japan
- ★ AP-01-5 PET analysis of regional brain mitochondrial function and glucose utilization in a marmoset PD model  
Tetsuya Hirato  
Department of Neurology, Kyoto University Graduate School of Medicine, Japan
- ★ AP-01-6 Syk inhibitors reduce tau protein phosphorylation and oligomerization  
Tomohisa Yamaguchi  
Department of Neurology, University of Fukui Hospital, Japan
- ★ AP-01-7 Exon skipping in DMD using newly developed Bulge-type RNA-DNA hetero-G4 inducing ASOs  
Ryo Iwase  
Department of Neurology and Neurological Science, Tokyo Medical and Dental University, Japan

Chair : Ryosuke Takahashi

Kyoto University Graduate School of Medicine, Japan

- ★ AP-02-1 Pathological quantitative changes after Patisiran therapy in hereditary ATTR amyloidosis  
Shinji Masuko  
Department of Medicine (Neurology & Rheumatology), Shinshu University School of Medicine, Japan
- ★ AP-02-2 Altered brain energy metabolism related to astrocytes in Alzheimer's disease  
Kosei Hirata  
Department of Functional Brain Imaging, Institute for Quantum Medical Science, National Institutes for Quantum Science and Technology, Japan / Department of Neurology and Neurological Science, Tokyo Medical and Dental University, Japan
- ★ AP-02-3 ~~Determining the pathological thresholds for CAG repeat length in CACNA1A~~  
~~Yuya Hatano~~  
~~Department of Neurology, Brain Research Institute, Niigata University, Japan / Department of Neurology, Yamagata Institute of Community Medicine, Niigata University Medical and Dental Hospital, Japan~~
- ★ AP-02-4 Venous abnormality is a useful diagnostic marker for HTRA1-related cerebral small vessel disease  
Shoichiro Ando  
Department of Neurology, Brain Research Institute, Niigata University, Japan
- ★ AP-02-5 Relationship between Neurofilament and Clinical Findings in Patients with Multiple System Atrophy  
Yuria Adachi  
National Center of Neurology and Psychiatry, Japan
- ★ AP-02-6 Mid-regional pro-adrenomedullin as a predictor of neurological outcomes in acute ischemic stroke  
Yuma Shiomi  
Department of Neurology, National Cerebral and Cardiovascular Center, Japan
- ★ AP-02-7 Non-invasive Diagnostic system for Parkinson's Disease using sebum RNA transcriptome analysis  
Tatou Iseki  
Department of Neurology, Juntendo University School of Medicine, Japan

取り下げ演題

Chair : Ichizo Nishino

Department of Neuromuscular Research, National Institute of Neuroscience,  
National Center of Neurology and Psychiatry, Japan

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- ★ **APe-01-1** Significant Association Between Insulin resistance and Survival in Parkinson's Disease Patients  
Javad Alizargar  
Kashan Medical University, Iran
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- ★ **APe-01-2** Associations between physical activity, sedentary behavior, sleep and risk of Parkinson's disease  
Haishan Jiao  
Department of Neurology and Institute of Neurology, Huashan Hospital, State Key Laboratory of Medical Neurobiology and MOE Frontiers Center for Brain Science, Shanghai Medical College, Fudan University, China
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- ★ **APe-01-3** Physiological beta-amyloid clearance by liver and its therapeutic potential for Alzheimer disease  
Cheng Yuan  
Huashan Hospital Affiliated to Fudan University, China / Department of Neurology and Centre for Clinical Neuroscience, Daping Hospital, Third Military Medical University, Chongqing, China
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- ★ **APe-01-4** Air pollution, genetic predisposition, and Parkinson's disease: a large prospective cohort study  
Yi-ming Huang  
Qingdao Municipal Hospital, Qingdao University, China
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- ★ **APe-01-5** Comparing Direct Oral Anticoagulants vs. Warfarin in Cerebral Venous Thrombosis: Real-World Study  
Ting-ying Chu  
Chi Mei Medical Center, Taiwan
- 
- ★ **APe-01-6** Peripheral inflammatory biomarkers panel for prediction of severity and relapse in NMO  
Wei Quanfeng  
The First Hospital of China Medical University, China
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- ★ **APe-01-7** Combining salivary a-synuclein and miRNA-29a to distinguish multiple system atrophy and PD  
Mingyue Luan  
Peking University First Hospital, China