

Chairs : Saef Izzy

Brigham and Women's Hospital, Harvard Medical School, USA

Hideki Mochizuki

National Hospital Organization Osaka Toneyama Medical Center, Japan

- ★ AO-01-1 Residue-specific arginine demethylation determines aberrant FUS phase separation in FTL-D-FUS

Ryuta Morihara

Department of Neurology, Okayama University, Japan

- ★ AO-01-2 Astrocyte polarity loss leads to blood-brain barrier dysfunction in progressive supranuclear palsy

Masaya Harada

Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan / Division of Respiriology, Neurology and Rheumatology, Department of Medicine, Kurume University School of Medicine, Kurume, Japan

- ★ AO-01-3 A SERCA inhibitor, SYN4569, markedly improves aggressive MSA-C decreasing p-a-synuclein aggregates

Yuu-ichi Kira

Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University, Japan

- ★ AO-01-4 High throughput long read genome and transcriptome platform for large scale neurological research

Koyo Tsujikawa

Department of Neurology, Nagoya University Graduate School of Medicine, Japan / Department of Genetics, Research Institute of Environmental Medicine (RIEM), Nagoya University, Japan

- ★ AO-01-5 withdrawn

- ★ AO-01-6 Overcoming late-onset neurotoxicity of antisense oligonucleotides through chemical modifications

Takayuki Kuroda

Department of Neurology and Neurological Science, Graduate School of Medical and Dental Sciences, Institute of Science Tokyo, Japan / NucleoTIDE and PepTide Drug Discovery Center, Institute of Science Tokyo, Japan

Chairs : Romana Höftberger

Division of Neuropathology and Neurochemistry, Department of Neurology, Medical University of Vienna, Austria

Tatsushi Toda

National Center of Neurology and Psychiatry, Japan

- ★ AO-02-1 Patients with "brain fog" shows systemic AMPA receptor upregulation: In vivo PET imaging study

Yu Fujimoto

Department of Physiology, Yokohama City University Graduate School of Medicine, Japan

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- ★ **AO-02-2** **Coronary and Cerebrovascular Events in Epilepsy Patients on Enzyme-Inducing Antiseizure Medications**
Saki Nakashima
Department of Neurology, Graduate School of Medicine, The University of Tokyo, Japan
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- ★ **AO-02-3** **Serum Proteomics Identifies APOBEC2 and INHBA as Biomarkers and Therapeutic Targets in SBMA**
Ayano Kondo
Department of Neurology, Nagoya University Graduate School of Medicine, Japan
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- ★ **AO-02-4** **Real-world safety and feasibility of lecanemab in early Alzheimer's disease in Japan**
Sho Shimohama
Department of Neurology, Keio University School of Medicine, Japan / Memory Center, Keio University School of Medicine, Japan
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- ★ **AO-02-5** **Longitudinal tau PET reveals key brain regions associated with clinical progression of PSP**
Yoshikazu Chishiki
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, Chiba University Graduate School of Medicine, Japan
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- ★ **AO-02-6** **Plasma acetylated alpha-synuclein as a novel, accurate diagnostic biomarker for Parkinson's disease**
Ryoji Goto
Advanced Neuroimaging Center, Institute for Quantum Medical Science, National Institutes for Quantum Science and Technology, Japan / Department of Neurology, Graduate School of Medicine, The University of Tokyo, Japan

Chairs : Osamu Onodera

BRI, Niigata University, Japan

Riki Matsumoto

Department of Neurology, Kyoto University Graduate School of Medicine,
Japan

- ★ AP-01-1 Export-biased, 3'UTR-preserving TDP-43 model links nuclear loss to cytoplasmic aggregation
Genri Toyama
Department of Neurology, Brain Research Institute, Niigata University, Japan
- ★ AP-01-2 Integrated single-cell profiling of iPSC-derived neural models from CGG repeat-related disorders
Risako Nakai
iPSC-based Drug Discovery and Development Team, RIKEN BioResource Research Center (BRC), Japan / Department of Cell Growth and Differentiation, Center for iPS Cell Research and Application (CiRA), Kyoto University, Japan
- ★ AP-01-3 Intracellular amyloid beta impairs lysosomal membranostasis and drives tau phosphorylation
Keyoumu Nazere
Department of Medical Genetics, Tokushima University Graduate School of Biomedical Sciences, Tokushima, Japan
- ★ AP-01-4 Effects of LAMP2 deficiency on the endolysosomal system: its relevance to autophagy-related myopathy
Tomo Shiota
Department of Neurology, Nara Medical University, Japan
- ★ AP-01-5 Characterization of CD20-expressing Follicular Helper T Cells in Inflammatory Demyelinating Diseases
Masanobu Tanemoto
Department of Neurology, Sapporo Medical University, Japan / Department of Human Immunology, Research Institute for Immunology, Sapporo Medical University, Japan
- ★ AP-01-6 Monocyte Dynamics and C5a-Driven Plasmablast Differentiation in AQP4⁺ Neuromyelitis Optica
Yuriko Aratake
Department of Neurology, Graduate school of Medicine Kyoto university, Japan / Department of Immunology, National Institute of Neuroscience, National center of neurology and psychiatry, Japan
- ★ AP-01-7 Efficacy of microglia-to-neuron conversion in subacute vs chronic phase of ischemic injury mice
Takashi Irie
Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University, Japan / Department of Stem Cell Biology and Medicine, Graduate School of Medical Sciences, Kyushu University, Japan

Chairs : Takayoshi Shimohata

Department of Neurology, Gifu University Graduate School of Medicine, Japan

Taku Hatano

Juntendo University, Faculty of Medicine, Japan

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- ★ AP-02-1 **Plasma GFAP-indexed Astrogliosis as a Predictor and Modulator of Tau Deposits in Alzheimer's Disease**
Kenta Osawa
 Advanced Neuroimaging Center (ANC), Institute for Quantum Medical Science, National Institutes for Quantum Science and Technology (QST), Japan / Department of Neurology, Chiba University Graduate School of Medicine, Japan
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- ★ AP-02-2 **Amyloid burden associates with white matter microstructure in Lewy body dementias**
Haruka Takeshige-Amano
 Department of Neurology, Juntendo University Faculty of Medicine, Japan
-
- ★ AP-02-3 **Plasma proteome analysis at the prodromal stage of Lewy body disease**
Yuki Saito
 Department of Neurology, Nagoya University Graduate School of Medicine, Japan
-
- ★ AP-02-4 **TAF15 Exon 15 Indels as a Prognostic Marker in Sporadic ALS Supported by In Silico Analysis**
Yuya Hatano
 Department of Neurology, Brain Research Institute, Niigata University, Japan / Department of Neurology, Uonuma Institute of Community Medicine, Niigata University Medical and Dental Hospital, Japan
-
- ★ AP-02-5 **Increasing incidence of varicella zoster virus meningitis in Japan: A nationwide descriptive study**
Naoki Yamagata
 Department of Clinical Epidemiology and Health Economics, School of Public Health, The University of Tokyo, Tokyo, Japan
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- ★ AP-02-6 **Clinicopathological characteristics of polymyositis with mitochondrial pathology**
Shogo Komaki
 Department of Neurology, Graduate School of Medicine, The University of Tokyo, Japan
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- ★ AP-02-7 **Cardiac MIBG scintigraphy may reflect degeneration of the nucleus basalis of Meynert**
Takashi Ogawa
 Department of Neurology, Faculty of Medicine, Juntendo University, Japan