

Chairs : Ted M. Dawson

Johns Hopkins University School of Medicine, USA

Kazutoshi Nishiyama

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

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- ★ AO-01-1 FUS suppresses RAN translation and neurodegeneration as an RNA chaperone in C9orf72-linked ALS/FTD

Yuzo Fujino

Department of Neurology, Kindai University Faculty of Medicine, Japan / Department of Neurology, Kyoto Prefectural University of Medicine, Japan

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- ★ AO-01-2 Progressive MS patients-derived gut bacteria induce neuronal inflammation via flagella-Th17 axis

Daiki Takewaki

National Center of Neurology and Psychiatry, Department of Immunology, Japan

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- ★ AO-01-3 A centrally acting connexin hemichannel blocker attenuates multiple system atrophy-cerebellar type

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-01-4 Long-read sequencing reveals allelic heterogeneity of repeat expansion in OPDM

Nobuyuki Eura

Department of Neuromuscular Research, National Center of Neurology and Psychiatry, Japan / Department of Neurology, Nara Medical University, Japan

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- ★ AO-01-5 Development of novel neuropathic pain treatments targeting SEMA-Plexin pathway

Sato Yoshidomi

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

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- ★ AO-01-6 Tim3 critically regulates microglial function and accelerates Alzheimer's disease pathology

Kimitoshi Kimura

Ann Romney Center for Neurologic Diseases, Brigham and Women's Hospital and Harvard Medical School, USA / Evergrande Center for Immunologic Diseases, Brigham and Women's Hospital and Harvard Medical School, USA

Chairs : Matthew Kiernan

Bushell Chair of Neurology, Brain and Mind Centre; Sydney Medical School,
University of Sydney; Royal Prince Alfred Hospital, Sydney, Australia

Satoshi Kuwabara

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

- ★ AO-02-1 Serum/urine exosomal microRNA-203 is a novel least-invasive biomarker for early Alzheimer's disease

Tomohiro Imamura

Translational Neuroscience Center, Graduate School of Medicine, International University of Health and Welfare, Japan / Department of Pharmaceutical Sciences, School of Pharmacy at Fukuoka, International University of Health and Welfare, Japan / Department of Neurology, Takagi Hospital, International University of Health and Welfare, Japan

- ★ AO-02-2 Unedited GluA2 mRNA in cerebrospinal fluid: A promising biomarker for sporadic ALS

Takashi Hosaka

Department of Neurology, Division of Clinical Medicine, Faculty of Medicine, University of Tsukuba, Japan / Ibaraki Western Medical Center, University of Tsukuba Hospital / Jichi Medical University Joint Ibaraki Western Regional Clinical Education Center, Japan / Department of Internal Medicine, Ibaraki Western Medical Center, Japan

- ★ AO-02-3 Novel glyco-biomarkers defining therapeutic response in CIDP
Soma Furukawa

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

- ★ AO-02-4 Intracerebral hemorrhage severity and outcome taking antithrombotic agents: Japan Stroke Data Bank

Yoshito Arakaki

Department of Cerebrovascular Medicine, National Cerebral and Cardiovascular Center, Japan

- ★ AO-02-5 NCVG GENOME Registry:
Rationale and baseline characteristics for RNF213 variant carriers

Takeshi Yoshimoto

Department of Neurology, National Cerebral and Cardiovascular Center, Japan

- ★ AO-02-6 Diagnostic implications of MOG-IgG detection in sera and cerebrospinal fluids

Yuki Matsumoto

Tohoku University Hospital, Department of Neurology, Japan

Chair : Osamu Onodera

Dep. Neurology, Brain Research Institute, Niigata Univ., Japan

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- ★ **AP-01-1** **A new strategy for DMD exon skipping with RNA-DNA hetero-G4 structure inducing ASOs**
Ryo Iwase
 Department of Neurology and Neurological Science, Tokyo Medical and Dental University, Japan
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- ★ **AP-01-2** **Characterization of CHCHD2 variants linked to amyotrophic lateral sclerosis and Parkinson's disease**
Aya Ikeda
 Department of Neurology, Juntendo University School of Medicine, Japan
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- ★ **AP-01-3** **Iguratimod blocks glial IL-6 production and Th17 migration in a progressive multiple sclerosis model**
Satoshi Nagata
 Department of Neurology, Neurological Institute, Graduate School of Medical Sciences, Kyushu University, Japan
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- ★ **AP-01-4** **Vitamin B12 may inhibit the neurotoxicity of Amyloid beta oligomers and protect memory function**
Atsushi Kimura
 Showa University Clinical Research Institute for Clinical Pharmacology and Therapeutics, Japan / Department of Integrated Neuroscience, Brain Research Institute, Niigata University, Japan
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- ★ **AP-01-5** **Human brain organoids and fetal brain contain similar neuronal populations at single-cell resolution**
Kaoru Kinugawa
 Department of Neurology, Nara Medical University, Japan
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- ★ **AP-01-6** **Helweg's triangular tract degeneration in multiple system atrophy**
Takashi Ando
 Department of Neurology, Japanese Red Cross Aichi Medical Center Nagoya Daiichi Hospital, Japan / Department of Neuropathology, Institute for Medical Science of Aging, Aichi Medical University, Japan
-
- ★ **AP-01-7** **Chronic sleep fragmentation accelerates prodromal disease course in Parkinson's disease model mice**
Masayuki Miyazaki
 Department of Neurophysiology, National Institute of Neuroscience, National Center of Neurology and Psychiatry, Japan / Department of NCNP Brain Physiology and Pathology, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University, Japan / Research Fellow of Japan Society for the Promotion of Science, Japan Society for the Promotion of Science, Japan

Chair : Ryosuke Takahashi

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

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- ★ AP-02-1 **Clinical presentation of cerebello-brainstem form of adrenoleukodystrophy and efficacy of HSCT**
Akihito Hao
 Department of Neurology, Graduate School of Medicine, The University of Tokyo, Japan /
 Department of Neurology, Mitsui Memorial Hospital, Japan
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- ★ AP-02-2 **Structural brain abnormalities common to visual hallucinations and abnormal BP fluctuations in LBD**
Shohei Nomoto
 Department of Neurology, and Clinical Research Center National Hospital Organization Utano Hospital, Japan
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- ★ AP-02-3 **Reproducibility of serum alpha-synuclein seed detection method**
Ayami Okuzumi
 Department of Neurology, Faculty of Medicine, Juntendo University, Japan
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- ★ AP-02-4 **The association between serum IgG antiganglioside antibodies and poor outcome in GBS**
Yuko Yamagishi
 Department of Neurology, Kindai University, Faculty of Medicine, Japan
-
- ★ AP-02-5 **Observation of human hand motor control using simultaneous brain and spinal cord functional MRI**
Ryo Tokimura
 Department of Neurology, Graduate School of Medicine, The University of Tokyo, Japan /
 Department of Advanced Neuroimaging, Integrative Brain Imaging Center, National Center of Neurology and Psychiatry, Japan
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- ★ AP-02-6 **Genetical and clinical features in a cohort of Japanese patients with dystonia**
Konoka Tachibana
 Department of Neurology, Tokushima University, Japan
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