

## Bioninformatics; a key approach to reveal pathomechanisms of MS & NMOSD

Chairs : Tatsusada Okuno

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

Noriko Isobe

Department of Neurology, Graduate school of Medical Sciences Kyushu  
University, Japan

### HT-01-1 Multi-layer omics analysis elucidates biology of immune and infectious diseases

Yukinori Okada

Dep. Genome Informatics, Graduate School of Medicine, the University of Tokyo, Japan / Dep.

Statistical Genetics, Osaka University Graduate School of Medicine, Japan / ab. Systems Genetics,  
RIKEN Center for Integrative Medical Sciences, Japan

### HT-01-2 Genome-wide association studies in multiple sclerosis and neuromyelitis optica spectrum disorder

Takuya Matsushita

Department of Neurology, Kochi Medical School, Kochi University, Japan

### HT-01-3 Bioinformatics analysis in the research field of inflammatory CNS diseases

Makoto Kinoshita

Department of Neurology Osaka University Graduate School of Medicine, Japan

### HT-01-4 A systems biology approach to MS and NMOSD by single cell sequencing of lymphocytes

Norio Chihara

Division of Neurology, Kobe University Graduate School of Medicine, Japan

## Disease modifying treatment and promising biomarkers in primary tauopathies

Chairs : Hidefumi Ito

Department of Neurology, Wakayama Medical University, Japan

Ikuko Aiba

Department of Neurology, National Hospital Organization Higashinagoya  
National Hospital, Japan

### HT-02-1 Overview of disease modifying treatment of progressive supranuclear palsy

Shinsuke Fujioka

Department of Neurology, Fukuoka University Faculty of Medicine, Japan

**HT-02-2** Development of tau-directed therapies for progressive supranuclear palsy

Yasuo Toda

Japan Clinical Development and Pharmacology, Biogen Japan Ltd., Japan

**HT-02-3** ARISE study: A Global Phase 2 trial of Tilavonemab in progressive supranuclear palsy

Nahome T. Fisseha

Japan Development, AbbVie GK, Japan

**HT-02-4** Fluid biomarkers in primary tauopathies  
-Current status and future direction-

Kensaku Kasuga

Brain Research Institute, Niigata University, Japan

**HT-02-5** CSF tau biomarkers in primary tauopathies

Chihiro Sato

Washington University School of Medicine, St. Louis, USA

**HT-02-6** miR-6088 act as a potential diagnostic biomarker for Progressive Supranuclear Palsy

adopted from  
free papers

Hiroshi Takigawa

Division of Neurology, Department Brain and Neurosciences, Tottori University, Japan

**HT-03** Hot Topics 03

Web

AOCN2024

En

May 30 (Thu) 9:15 ~ 10:45

Room 01 (C Block 4F Hall C)

### Disseminating New Knowledge from Asia & Oceania

Chairs : Masashi Aoki

Department of Neurology, Tohoku University School of Medicine, Japan

Osamu Kano

Department of Neurology, Toho University Faculty of Medicine, Japan

**HT-03-1** Stroke Consortium: Asia Pacific Stroke Organization (APSO)

Teruyuki Hirano

Department of Stroke and Cerebrovascular Medicine, Kyorin University, Japan

**HT-03-2** Survey Findings on Parkinsons disease in Asia

Norlinah Mohamed Ibrahim

Faculty of Medicine, Universiti Kebangsaan Malaysia, Malaysia

**HT-03-3** PACTRIMS addresses challenges of multiple sclerosis and related disorders in Asia

Kazuo Fujihara

Multiple Sclerosis and Neuromyelitis Optica Center, Southern TOHOKU Research Institute for Neuroscience, Japan / Department of Multiple Sclerosis Therapeutics, Fukushima Medical University School of Medicine, Japan

**HT-03-4** Updates of ALS research in PACTALS (Pan-Asian Consortium for the Treatment and Research in ALS)

Seung Hyun Kim

Hanyang University Seoul Hospital, Korea

**Emerging new treatments for epilepsy 2024**

Chairs : Riki Matsumoto

Division of Neurology, Kobe University Graduate School of Medicine, Japan

Yuichiro Shirota

Department of Clinical Laboratory, the University of Tokyo Hospital, Japan

**HT-04-1 New and emerging medical therapies for epilepsy**

Hiroshi Shigeto

Division of Medical Technology, Department of Health Sciences, Graduate School of Medical Sciences, Kyushu University, Japan / Department of Neurology, Kyushu University Hospital, Japan

**HT-04-2 The state-of-the-art diagnosis and treatment of non-convulsive status epilepticus**

Lawrence J. Hirsch

Comprehensive Epilepsy Center, Department of Neurology, Yale University, USA

**HT-04-3 New and emerging device therapies for epilepsy**

Katsuya Kobayashi

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

**New topics of Tourette syndrome for adult neurologist**

Chairs : Kyoko Hoshino

Segawa Memorial Neurological Clinic for Children, Japan

Yoshihisa Tachibana

Department of Physiology and Cell Biology, Kobe University Graduate School of Medicine, Japan

**HT-05-1 Age dependent variations in Tourette syndrome**

Kyoko Hoshino

Segawa Memorial Neurological Clinic for Children, Japan

**HT-05-2 Clinical features, treatment, and problems in adults with Tourette's disorder**

Yukiko Kano

Department of Child Neuropsychiatry, Graduate School of Medicine, The University of Tokyo, Japan / Department of Child Psychiatry, The University of Tokyo Hospital, Japan

**HT-05-3 Electroencephalographic and clinical response to peripheral nerve stimulation in Tourette syndrome**

Mitsuhiro Kainaga

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

HT-05-4 The therapeutic effect and underlying mechanism of oral splint for ameliorating tic symptoms

Yoshihisa Tachibana

Department of Physiology and Cell Biology, Kobe University Graduate School of Medicine, Japan

HT-05-5 Current Status of Deep Brain Stimulation for Refractory Tourette Syndrome

Takashi Morishita

Fukuoka University Department of Neurosurgery, Japan

HT-06 Hot Topics 06

Web AOCN2024 En

May 31 (Fri) 9:45 ~ 11:45

Room 06 (D Block 7F Hall D7)

## Understanding and intervening cerebellar ataxias

Chairs : Kinya Ishikawa

Department of Personalized Genomic Medicine for Health, Tokyo Medical and Dental University, Japan

Yuji Takahashi

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

HT-06-1 J-CAT: a nation-wide registry to establish basis for ataxia research

Yuji Takahashi

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

HT-06-2 European research for disease-modifying trials in SCA3

Thomas Klockgether

Department of Neurology, University of Bonn, Germany / German Center for Neurodegenerative Diseases (DZNE), Bonn, Germany

HT-06-3 Double-blind L-arginine trial against SCA6

Tomohiko Ishihara

Department of Neurology, Brain Research Institute, Niigata University, Japan / Advanced Treatment of Neurological Diseases Branch, Endowed Research Branch, Brain Research Institute, Niigata University, Japan

HT-06-4 Toward establishing disease-modifying therapy against SCA31

Kinya Ishikawa

Department of Personalized Genomic Medicine for Health, Graduate School, Tokyo Medical and Dental University, Japan / Department of Neurology and Neurological Sciences, Graduate School, Tokyo Medical and Dental University, Japan

Nominal supported by: Japanese Society for Cerebellum and its Disorders  
/ The Japanese Neuroscience Society  
/ The Japanese Society of Neuropathology

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Hot Topics

**Delineating migraine as a multi-faceted neurological disorder**

Chairs : Hisanori Kowa

National Hospital Organization Matsue Medical Center, Japan

Mamoru Shibata

Department of Neurology, Tokyo Dental College Ichikawa General Hospital,  
Japan**HT-07-1 Correlation between headache days and migraine disability**

Ryotaro Ishii

Department of Neurology, Graduate School of Medical Science, Kyoto Prefectural University of  
Medicine, Japan**HT-07-2 Disability resulting from migraine-associated non-headache symptoms**

Noboru Imai

Department of Neurology &amp; Headache Center, Japanese Red Cross Shizuoka Hospital, Japan

**HT-07-3 Migraine burden in the interictal period**

Min Kyung Chu

Severance Hospital, Yonsei University, Seoul, Korea

**HT-07-4 Sleep disorders in migraine**

Keisuke Suzuki

Department of Neurology, Dokkyo Medical University, Japan

**HT-07-5 Functional Imaging Insights into the Pathophysiology of the Migraine Attack**

Todd Schwedt

Mayo Clinic Arizona, USA

**New insights into ALS: genes, proteins, and pathways**

Chairs : Osmau Onodera

BRI, Niigata University, Japan

Koji Yamanaka

Nagoya University, RIEM, Japan

**HT-08-1 Mislocalization or Aggregation ?**

Dissecting the structural roles of ALS-linked misfolded proteins

Makoto Urushitani

Department of Neurology, Shiga University of Medical Science, Japan

**HT-08-2 The role of RGMA in ALS progression through actin barrier collapse**

Tatsusada Okuno

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

HT-08-3 Deciphering the pathophysiology of ALS focusing on the physiological multimerization of TDP-43

Kotaro Oiwa

Department of Neuroscience and Pathobiology, Research Institute of Environmental Medicine, Nagoya University, Japan / Department of Neurology, Nagoya University, Japan

HT-08-4 TDP-43 regulates cryptic splicing of UNC13A, a key risk gene for ALS/FTD

Yuka Koike

Department of Molecular Neuroscience, BRI, Niigata University, Japan

HT-08-5 Targeting FUS Phase Separation in ALS: Therapeutic Approaches Using Oligonucleotides

Shinsuke Ishigaki

Molecular Neuroscience Research Center, Shiga University of Medical Science, Japan

HT-08-6 The new causative gene for ALS and myopathy

Hideshi Kawakami

Department of Molecular Epidemiology RIRBM Hiroshima University, Japan

HT-09 Hot Topics 09

Web Jp

June 1 (Sat) 9:45 ~ 11:45

Room 02 (B Block 7F Hall B7 (1))

## The front lines of the Parkinson's prodromal stage

Chairs : Tetsuya Maeda

Neurology & Gerontology, IMU, Japan

Masahiko Tomiyama

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

HT-09-1 Prospective study of prodromal Parkinson's disease

Tetsuya Maeda

Neurology and Gerontology, Iwate Medical University, Japan

HT-09-2 A review of CSF biomarkers of alpha-synuclein

Katsuya Satoh

Department of Health Sciences, Unit of Medical and Dental Sciences, Nagasaki University Graduate School of Biomedical Sciences, Japan

HT-09-3 Visualization of alpha-synuclein pathologies

Makoto Higuchi

Department of Functional Brain Imaging, National Institutes for Quantum Science and Technology, Japan / Neuroetiology and Diagnostic Science, Osaka Metropolitan University Graduate School of Medicine, Japan

HT-09-4 Diagnostic biomarker based on alpha-synuclein seed amplification assay of prodromal PD

Taku Hatano

Department of Neurology, Juntendo University Faculty of Medicine, Japan