

α -Synuclein and beyond: Find out the true culprit causing neurodegeneration in Parkinson's disease!

Chairs : Takahiko Tokuda

Department of Molecular Pathobiology of Brain Diseases, Kyoto Prefectural University of Medicine, Japan

Kazushi Takahashi

Department of Neurology, Saitama Medical University, Japan

HT-01-1 Introduction: what is the true culprit of neurodegeneration in PD; alpha-synuclein and beyond?

Takahiko Tokuda

Department of Molecular Pathobiology of Brain Diseases, Kyoto Prefectural University of Medicine, Japan

HT-01-2 Molecular and cellular basis of neurotoxicity caused by alpha-synuclein

Naoto Sugeno

Department of Neurology, Tohoku University, Japan

HT-01-3 Hyperbranching axon as a structural template to explain focal and multifocal Lewy body disorders

Toshiki Uchihara

Neurology with Neuromorphomics Laboratory, Nitobe Memorial Nakano General Hospital, Japan
 / Department of Neurology and Neurological Science, Tokyo Medical and Dental University, Japan

HT-01-4 Molecular mechanisms of selective neuronal vulnerability in PD and α -synuclein

James D. Surmeier

Feinberg School of Medicine Northwestern University, USA

HT-01-5 Distinct aggregation patterns of alpha-synuclein in PD and MSA: Is it all about strains?

Wassilios Meissner

Université de Bordeaux, Institut des Maladies Neurodégénératives, France / Service de Neurologie, CHU Bordeaux, France / Dept. Medicine, University of Otago, and New Zealand Brain Research Institute, New Zealand

Stroke and Microbiota

Chairs : Toshiki Mizuno

Department of Neurology, Kyoto Prefectural University of Medicine, Japan

Toru Yamashita

Department of Neurology, Graduate School of Medicine, Dentistry and
Pharmaceutical Sciences, Okayama University, Japan**HT-02-1 Intestinal immune cells in stroke immunity**

Josef Anrather

Weill Cornell Medicine, USA

HT-02-2 Gut microbiome and atherosclerosis

Tomoya Yamashita

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

HT-02-3 Gut microbiota and stroke

Kazuo Yamashiro

Department of Neurology, Juntendo University School of Medicine, Japan

HT-02-4 Intestinal microbiota in CADASIL patient

Toshiki Mizuno

Dept. of Neurology, Kyoto Prefectural Univ. of Medicine, Japan

HT-02-5 Collagen-binding Streptococcus mutans tied to intracerebral hemorrhage

Masafumi Ihara

Department of Neurology, National Cerebral and Cardiovascular Center, Japan

HT-02-6 Associations between serum titer to periodontal pathogens and cerebral small vessel diseasesadopted from
free papers

Yuji Shiga

Department of clinical Neuroscience and Therapeutics, Hiroshima University Graduate School
of Biomedical and Health Sciences, Japan**HT-02-7 Influence of periodontitis on stroke**

Naohisa Hosomi

Department of Clinical Neuroscience and Therapeutics, Hiroshima University Graduate School
of Biomedical & Health Sciences, Japan

Newly Emerging Concepts on PSP and CBD

Chairs : Hidefumi Ito

Department of Neurology, Wakayama Medical University, Japan

Takeshi Ikeuchi

Niigata University, Brain Research Institute, Japan

HT-03-1 Overview of clinical aspects of tauopathies including PSP and CBD

Zbgniew Wszolek

Mayo Clinic Florida, USA

HT-03-2 Early pathological changes of CBD

Helen Ling

Queen Square Brain Bank, Institute of Neurology, University College London, UK

HT-03-3 Identification of a gene associated with PSP

Ichiro Yabe

Department of Neurology Faculty of Medicine and Graduate School of Medicine Hokkaido University, Japan

HT-03-4 JALPAC: Longitudinal cohort study for PSP and CBD in Japan

Takeshi Ikeuchi

Brain Research Institute, Niigata University, Japan

HT-03-5 Molecular imaging for PSP and CBD

Kazunari Ishii

Kindai University Faculty of Medicine, Department of Radiology, Japan

**Dual nature of REM sleep behavior disorder :
parasomnia vs harbinger of synucleinopathies**

Chairs : Naoko Tachibana

Center for Sleep-related Disorders, Kansai Electric Power Hospital, Japan

Masayuki Miyamoto

Department of Neurology Dokkyo Medical University Hospital, Dokkyo

Medical University School of Nursing, Japan

**HT-04-1 Natural history of idiopathic REM behavior disorder:
parasomnia vs. harbinger of synucleinopathies**

Carlos Schenck

Minnesota Regional Sleep Disorders Center, Departments of Psychiatry, Hennepin County Medical Center, and University of Minnesota Medical School, USA

**HT-04-2 The relationship between REM sleep behavior disorder and
hallucinations in patients with DLB**

Manabu Ikeda

Department of Psychiatry, Osaka University Graduate school of Medicine, Japan

HT-04-3 REM sleep behavior disorder in patients with Parkinson's disease
Takashi Nomura
 Nomura Neuro Sleep Clinic, Japan

HT-04-4 Aggressive behavior and dream contents in RBD: why and how?
Ki-Young Jung
 Seoul National University College of Medicine, Korea

HT-04-5 Preparation and future direction of clinical trials for idiopathic REM sleep behavior disorder
Masayuki Miyamoto
 Department of Clinical Medicine for Nursing, Dokkyo Medical University School of Nursing, Japan / Department of Neurology, Dokkyo Medical University Hospital, Japan / Center of Sleep Medicine, Dokkyo Medical University Hospital, Japan

Nominal support: Integrated Sleep Medicine Society Japan (ISMSJ)

HT-05 Hot Topics 05

En

May 22 (Wed) 13:20 ~ 15:20 Room 9 (Osaka International Convention Center 12F Conference Hall)

More than just taking out the garbage: Expanding landscape of autophagy and lysosome function in neurological diseases

Chairs : Seiji Hitoshi

Department of Integrative Physiology, Japan

Takafumi Hasegawa

Division of Neurology, Department of Neuroscience & Sensory Organs, Tohoku University Graduate School of Medicine, Japan

HT-05-1 Tunneling nanotubes allow the spreading of alpha-synuclein fibrils through lysosomal trafficking

Chiara Zurzolo

Unité Trafic Membranaire et Pathogénèse, Institut Pasteur, France

HT-05-2 Lysosomal dysfunction in Parkinson's disease and what postmortem brains tell us

Glenda M. Halliday

Brain and Mind Centre and Faculty of Medicine and Health Central Clinical School, University of Sydney, Australia

HT-05-3 Muscle diseases with autophagic abnormalities

Ichizo Nishino

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

HT-05-4 Endo-lysosomal trafficking defect as a unifying concept of neurodegenerative diseases

Takafumi Hasegawa

Division of Neurology, Department of Neuroscience & Sensory Organs, Tohoku University Graduate School of Medicine, Japan

How can the registry contribute to drug development for neurological diseases?

Chairs : Masahiro Nagai

Clinical therapeutic trial center, Ehime university hospital

Keisuke Suzuki

Innovation Center for Clinical Research, National Center for Geriatrics and Gerontology

S-01-1 Current status of Clinical Innovation Network and Remudy
(Registry of muscular dystrophy)

Harumasa Nakamura

Translational Medical Center, National center of neurology and psychiatry

S-01-2 The current status and issues in all-Japan registry of dementia
(ORANGE registry)

Keisuke Suzuki

Innovation Center for Clinical Research, National Center for Geriatrics and Gerontology

S-01-3 SBMA registry: current status and challenges for the future
Atsushi Hashizume

Nagoya University Graduate School of Medicine, Department of Neurology

S-01-4 Efforts to utilize patient registration systems (patient registries)

Kinue Nishioka

Pharmaceuticals and Medical Devices Agency

S-01-5 Expectations for disease registries from the standpoint of
pharmaceutical industries

Hiroshi Matsuzawa

Japan Pharmaceutical Manufacturers Association, Drug Evaluation Committee, Clinical Evaluation Expert Committee

Nominal support: The Japanese Society of Clinical Pharmacology and Therapeutics

May 22 (Wed) 9 : 50 ~ 11 : 50 Room 9 (Osaka International Convention Center 12F Conference Hall)

Genetic and neuropathological approach decipher the molecular mechanism of idiopathic central nervous system demyelinating diseases

Chairs : Noriko Isobe

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

Katsuhisa Masaki

Department of Neurology, Graduate School of Medical Science, Kyushu University, Japan

S-02-1 Susceptibility to multiple sclerosis: from genetic risk to immune dysfunction in at-risk individuals

Philip L. De Jager

Center for Translational & Computational Neuroimmunology and Multiple Sclerosis Center, Department of Neurology, Columbia University Medical Center, USA

S-02-2 Genetic studies on Japanese multiple sclerosis and neuromyelitis optica spectrum disorders

Takuya Matsushita

Department of Neurology, Kyushu University Hospital, Japan

S-02-3 Genetic study on Chinese patients with demyelinating disorders

Qiu Wei

The Third Affiliated Hospital of Sun Yat-Sen University, Guangzhou, Guangdong Province, China

S-02-4 Disease-specific TCRs recognize CMV in Japanese MS with HLA-DRB1*04:05; a novel approach with GLIPH

adopted from
free papers

Fumie Hayashi

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

S-02-5 Glial pathology of multiple sclerosis, neuromyelitis optica spectrum disorders, and Baló's disease

Katsuhisa Masaki

Department of Neurology, Graduate School of Medical Science, Kyushu University, Japan

Cutting edge applications of non-invasive brain stimulation

Chairs : Takashi Nagamine

Department of Systems Neuroscience, School of Medicine, Sapporo Medical University

Yasuo Terao

Department of Pathophysiology, Kyorin University

S-03-1 Noninvasive brain stimulation for cognitive dysfunction in patients with Alzheimer's disease

Tomoo Mano

Department of Neuromodulation and Neurosurgery, Osaka University Graduate School of Medicine / Department of Neurology, Osaka University Graduate School of Medicine / Center for Information and Neural Networks

S-03-2 Non-invasive brain stimulation treatment for Parkinson's disease

Masashi Hamada

Department of Neurology, the University of Tokyo

S-03-3 Task-specific brain reorganization induced by Hybrid-rehabilitation

Satoko Koganemaru

Department of Physiology and Biological Information, Dokkyo Medical University

S-03-4 Transcranial magnetic stimulation and transcranial direct current stimulation for rehabilitation

Toshiyuki Fujiwara

Department of Rehabilitation Medicine, Juntendo University Graduate School of Medicine

S-03-5 Neuromodulation treatments for pain

Youichi Saitoh

Department of Neuromodulation and Neurosurgery, Osaka University Graduate School of Medicine / Department of Neurosurgery, Osaka University Graduate School of Medicine

S-03-6 Induction of plastic changes in spinal circuits and its clinical application

Yukari Ohki

Dept Physiology, Kyorin University School of Medicine

S-04 Symposium 04**En**

May 22 (Wed) 13:20 ~ 15:20 Room 1 (Osaka International Convention Center 5F Large Hall)

Update on Diagnostic Biomarkers for the early diagnosis of Alzheimer's Disease

Chairs : Takeshi Iwatsubo

Department of Neuropathology, School of Medicine, The University of Tokyo, Japan

Hisatomo Kowa

Kobe University Graduate School of Health Sciences, Japan

S-04-1 Updates on PET imaging of tau pathologies**Makoto Higuchi**

National Institutes for Quantum and Radiological Science and Technology, Japan

S-04-2 Plasma Abeta as a biomarker for Alzheimer's disease**Koichi Tanaka**

Koichi Tanaka Mass Spectrometry Research Laboratory Shimadzu Corporation, Japan

S-04-3 TRC-PAD: Accelerating Recruitment in AD Clinical Trials via Innovation in Information Technology**Gustavo A. Jimenez-Maggiora**

Alzheimer's Therapeutics Research Institute, University of Southern California, USA

S-04-4 Japanese ADNI: from biomarkers to disease-modifying therapy**Takeshi Iwatsubo**

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

S-05 Symposium 05**Jp**

May 22 (Wed) 13:20 ~ 15:20 Room 4 (Osaka International Convention Center 10F Conference Room 1001-1002)

Neuroimage and neuropathology of white matter lesions

Chairs : Shigeo Murayama

Department of Neurology and Neuropathology (the Brain Bank for Aging Research)

Koichi Wakabayashi

Department of Neuropathology, Hirosaki University Graduate School of Medicine

S-05-1 Significance of clinico-radio-pathological relationship for diagnosing white matter disease**Aya M. Tokumaru**

Dept of Diagnostic Radiology, Tokyo Metropolitan Medical Center of Gerontology

S-05-2 Neuropathology of demyelinating diseases**Satoshi Suzuki**

Department of Neuropathology, Graduate School of Medical Sciences, Kyushu University

S-05-3 Hereditary leukoencephalopathy: histology and pathomechanisms**Mari Tada**

Department of Pathology, Brain Research Institute, Niigata University

S-05-4 Neuroathological findings of metabolic disorder and intoxication**Yasuko Toyoshima**

Department of Pathology, Brain Research Institute, Niigata University

S-06 Symposium 06**Jp**

May 22 (Wed) 13:20 ~ 15:20 Room 5 (Osaka International Convention Center 10F Conference Room 1005-1007)

Pleiotropic approach to the pathogenesis of neuroimmune disordersChairs : **Makoto Yoneda**
Fukui Prefectural University**Ryo Yamasaki**

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

S-06-1 Gut microbiota and neuroinflammation**Sachiko Miyake**

Department of Immunology, Juntendo University Graduate School of Medicine

**S-06-2 Pathogenesis of neuroimmunological disorders:
approach from barrier system****Takashi Kanda**

Department of Neurology and Clinical Neuroscience, Yamaguchi University Graduate School of Medicine

S-06-3 Proteomic approaches for the study of Neuroimmunological Diseases**Masaya Ikegawa**

Department of Life and Medical Systems, Doshisha University

**S-06-4 A comprehensive approach to autoimmune neurological disorders
based on the effects of autoantibodies****Makoto Hara**

Division of Neurology, Department of Medicine, Nihon University School of Medicine

S-06-5 Glia-targeting therapy for neurological disorders**Hideyuki Takeuchi**

Department of Neurology and Stroke Medicine, Yokohama City University Graduate School of Medicine

S-07 Symposium 07**Proposed symposium En**

May 22 (Wed) 13:20 ~ 14:50 Room 10 (Osaka International Convention Center 12F Grande Toque)

Extending the clinical spectrum of cerebral amyloid angiopathy (CAA)Chairs : **Steven M. Greenberg**
Massachusetts General Hospital, USA/Harvard Medical School, USA**Masahito Yamada**Department of Neurology and Neurobiology of Aging, Kanazawa University
Graduate School of Medical Sciences, Japan**S-07-1 Clinical spectrum of CAA-related cerebrovascular disorders****Yusuke Yakushiji**Division of Neurology, Department of Internal Medicine, Saga University Faculty of Medicine,
Japan

S-07-2**Cerebral amyloid angiopathy-related cognitive impairment and inflammation****Kenji Sakai**

Department of Neurology and Neurobiology of Aging, Kanazawa University Graduate School of Medical Sciences, Japan

S-07-3**Extending the clinical spectrum of cerebral amyloid angiopathy (CAA)****Steven M. Greenberg**

Massachusetts General Hospital, USA / Harvard Medical School, USA