

## New insights of epilepsy research

Chairs : Naoki Akamatsu

International University of Health and Welfare School of Medicine, Department of Neurology

Kazutaka Jin

Department of Epileptology, Tohoku University Graduate School of Medicine

change in order

## NFS-01-1 Automated seizure detection using wearable device

Sandor Beniczky

Aarhus University Hospital, Denmark / Danish Epilepsy Centre, Denmark

5th speaker

## NFS-01-2 Drug treatment of epilepsy; past, current and future

Patrick Kwan

Van Cleef Centre for Nervous Diseases, Monash University, Australia

1st speaker

## NFS-01-3 Trends of intracranial electroencephalographic evaluation for epilepsy surgery

Riki Matsumoto

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

2nd speaker

## NFS-01-4 Memory disturbance in temporal lobe epilepsy

Takahiko Mukaino

Department of Neurology, Kyushu University Hospital, Japan

3rd speaker

## NFS-01-5 AI detection of ictal DC shift to facilitate its use as a surrogate biomarker for epilepsy surgery

adapted from  
free papers

Masahiro Gotoh

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

4th speaker

Nominal supported by: The Japan Epilepsy Society

## Four repeat tau-related neurodegeneration from basic science to bedside-A rapidly evolving field with critical unmet needs

Chairs : Gabor Kovacs

University of Toronto and University Health Network, Toronto

Toshiki Uchihara

Nitobe Memorial Nakano General Hospital/Toko Medical and Dental Univ

## NFS-02-1 The challenges in diagnosis and functional assessment of the 4R tauopathies PSP and CBD

Anthony E. Lang

University of Toronto and University Health Network, Toronto, Canada / Toronto Western Hospital, Canada

**NFS-02-2** Imaging tau lesions in the patients' brain  
**Makoto Higuchi**  
 Department of Functional Brain Imaging, National Institutes for Quantum Science and Technology, Japan

**NFS-02-3** Pathological distinction of CBD and PSP: possible and meaningful?  
**Toshiki Uchihara**  
 Nitobe Memorial Nakano General Hospital, Neurology Clinic with Neuromophomics Laboratory, Japan / Tokyo Medical and Dental University, Neurology and Neurological Science, Japan / Juntendo University, Neurology, Japan

**NFS-02-4** New perspectives on Astrocytes in Tau-related conditions  
**Gabor G. Kovacs**  
 University of Toronto, Canada / University Health Network, Toronto, Canada

**NFS-02-5** Biochemical distinction CBD/PSP  
**Masato Hasegawa**  
 Tokyo Metropolitan Institute of Medical Science, Department of Brain and Neurosciences, Japan

**NFS-03 Neuroscience Frontier Symposium 03**

**Web En**

May 18 (Wed) 13:20 ~ 15:20

Room 10 (Glass Building 4F G409)

**ALS and beyond: cutting-edge research on motor neuron diseases**

Chairs : **Makoto Urushitani**  
 Department of Neurology, Shiga University of Medical Science  
**Masahisa Katsuno**  
 Department of Neurology, Nagoya University Graduate School of Medicine

**NFS-03-1** iPSCs-based disease modeling, drug development, clinical trial, and reverse TR for ALS  
**Hideyuki Okano**  
 Keio University School of Medicine, Japan

**NFS-03-2** Therapeutics development for spinal muscular atrophy  
**Adrian R. Krainer**  
 Cold Spring Harbor Laboratory, USA

**NFS-03-3** Next generation therapies for SBMA  
**Masahisa Katsuno**  
 Department of Neurology, Nagoya University, Tokai National Higher Education and Research System, Japan

**NFS-03-4** Unveiling link between TDP-43 and dynactin: lessons from Perry disease  
**Yoshio Tsuboi**  
 Department of Neurology, Fukuoka University, Japan

**NFS-03-5** Antisense nucleotides that promote splicing of the exon encoding the prion-like domain of TDP-43  
 adapted from free papers  
**Genri Toyama**  
 Department of Neurology, Brain Research Institute, Niigata University, Japan

The Perspective of Parkinson Disease in A Centenarian Society

Chairs : Kazushi Takahashi

Tokyo Metropolitan Neurological Hospital

Taku Hatano

Juntendo University School of Medicine

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NFS-04-1 Characteristics of Elderly PD Patients

Francisco Cardoso

The Federal University of Minas Gerais, Brazil

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NFS-04-2  $\alpha$ -Synuclein Pathology in Centenarians

Zen-ichi Tanei

Department of Cancer Pathology, Faculty of Medicine, Hokkaido University, Japan

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NFS-04-3 Diagnosis and Treatment of Elderly Patients with Parkinson's Disease

Asako Yoritaka

Department of Neurology, Juntendo University Koshigaya Hospital, Japan

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NFS-04-4 Nonpharmacological Treatment of Elderly Patients with PD: A Multidisciplinary Approach

Ikuko Aiba

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