

## Discovery of new repeat expansions unveils the diverse pathogenesis of spinocerebellar ataxias

Chairs : Andreas Puschmann

Neurology, Lund University, Sweden

Yoshitaka Nagai

Department of Neurology, Kindai University Faculty of Medicine, Japan

### NFS-01-1 GGC repeat expansions in ZFH3 cause SCA4

Andreas Puschmann

Dept. of Neurology, Lund University, Sweden / Dept. of Neurology, Skåne University Hospital, Sweden

### NFS-01-2 Pathogenesis of RFC1 repeat expansions disorder

Fumiaki Tanaka

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

### NFS-01-3 High-Resolution Repeat Analysis of SCA27B with Nanopore Sequencing: A Step Forward in Neurogenetics

Satoko Miyatake

Department of Clinical Genetics, Yokohama City University Hospital, Japan

### NFS-01-4 Molecular mechanisms of RAN translation and neurodegeneration in SCA36

Yoshitaka Nagai

Department of Neurology, Kindai University Faculty of Medicine, Japan / Life Science Research Institute, Kindai University, Japan

## Nucleic acid medicine and cellular medicine in the treatment of neurological diseases and the leading edge of research

Chairs : Shin-ichi Muramatsu

Neurological Gene Therapy, Jichi Medical University, Japan

Haruhisa Inoue

Center for iPS Cell Research and Application, Kyoto University, Japan

### NFS-02-1 Progress of Heteroduplex oligonucleotide (HDO) to muscle and CNS

Takanori Yokota

Department of Neurology and Neurological Science, Institute of Science Tokyo, Japan

### NFS-02-2 Silencing FUS and Other Rare Genetic Forms of ALS

Neil A. Shneider

Columbia University, USA

### NFS-02-3 Microglia replacement for neurological disease therapy

Schuichi Koizumi

Dept Neuropharmacol, Grad Sch Med, Univ Yamanashi, Japan / Yamanashi GLIA Center, Japan

**NFS-02-4** Stem cell gene therapy for brain tumor  
Masahiro Toda  
Department of Neurosurgery, Keio University School of Medicine, Japan

**NFS-02-5** iPSC-based therapy for Parkinson's disease  
Jun Takahashi  
Center for iPS cell research and application (CiRA), Kyoto University, Japan

**NFS-03 Neuroscience Frontier Symposium 03**

**配信 En**

5月23日 (金) 8:00 ~ 10:00

第07会場 (大阪国際会議場12F 特別会議場)

**Basic Science of alpha-Synuclein**

Chairs : Stella M. Papa  
Emory University, USA  
Ryosuke Takahashi  
Kyoto University Office of Research Acceleration (KURA), Japan

**NFS-03-1** Research priorities to understand the role of alpha-Synuclein in Parkinson's disease  
Stella M. Papa  
Emory University, USA

**NFS-03-2** Molecular mechanisms of Parkinson's disease: from classification to treatment  
Tiago F. Outeiro  
University Medical Center Goettingen, Germany / Newcastle University, UK

**NFS-03-3** Alpha-synuclein as a blood biomarker  
Ayami Okuzumi  
Department of Neurology, Faculty of Medicine, Juntendo University, Japan

**NFS-03-4** Elucidating the pathogenesis of alpha-synucleinopathy using human brain single nucleus RNAseq  
Kotaro Ogawa  
Department of Neurology, Osaka University Graduate School of Medicine, Japan