NSF-01 Neuroscience Frontier Symposium 01 En

May 23 (Wed) 9 : 50 ～ 11 : 50 Room9 (Royton Sapporo [Regent Hall] 2F)

How neurons keep calm and carry on: roles of quality control in neurodegenerative diseases

Chairs : Takafumi Hasegawa
Division of Neurology, Department of Neuroscience & Sensory Organs, Tohoku University Graduate School of Medicine, Japan
Mitsunori Fukuda
Graduate School of Life Sciences, Tohoku University, Japan

NSF-01-1 **Molecular and cellular mechanisms of mitochondrial quality control in Parkinson's disease**
Wolfdieter Springer
Department of Neuroscience, Mayo Clinic Jacksonville, USA／Mayo Clinic College of Medicine and Science, Graduate School of Biomedical Sciences, USA

NSF-01-2 **Collapse of mitochondria-associated membrane (MAM) as common pathomechanism for motor neuron disease**
Koji Yamanaka
Research Institute of Environmental Medicine, Nagoya University, Japan

NSF-01-3 **Endosomal-lysosomal pathway in Alzheimer's disease**
Gunnar K. Gouras
Experimental Dementia Research Unit, Lund University, Sweden

NSF-01-4 **Rab small GTPases in neuronal networks: dysregulation of Rabs in neurodegeneration**
Mitsunori Fukuda
Graduate School of Life Sciences, Tohoku University, Japan

Intra- & into-the- brain propagation of α-synuclein: significance for the pathogenesis, progression and therapeutic target of Lewy body diseases

Chairs : Hideki Mochizuki
Department of Neurology, Osaka University, Japan
Takahiko Tokuda
Department of Molecular Pathobiology of Brain Diseases, Kyoto Prefectural University of Mdecine, Japan

Introduction: Why don't you join us
- hottest discussion on prion-like propagation of α-synuclein?
Takahiko Tokuda
Department of Molecular Pathobiology of Brain Diseases, Kyoto Prefectural University of Mdecine, Japan

NSF-02-1 Prion-like propagation of alpha-synuclein assemblies in the brain: from Structure to Function
Ronald Melki
Centre National de la Recherche Scientifique (CNRS), France ／Paris-Saclay Institute of Neurosciences, France

NSF-02-2 Pathological pathway via the olfactory bulb represents non-motor symptoms of Parkinson's disease
adopted from free papers
Norihito Uemura
Department of Neurology, Kyoto University Graduate School of Medicine, Japan

NSF-02-3 Pathogenic mechanism on propagation of alpha- synuclein, a pathological point of view
Yuko Saito
Department of Laboratory Medicine, National Center of Neurology and Psychiatry, Japan

NSF-02-4 Intra- & into-the- brain propagation of α-synuclein: Future Therapy
Kenjiro Ono
Department of Neurology, Showa University School of Medicine, Japan

NSF-02-5 A refined concept alpha-synuclein dysregulation disease
Hideki Mochizuki
Department of Neurology, Osaka University, Japan