Program

September 9 (Friday)

10:00-10:10 **Welcome speech**

Gen Sobue (Nagoya University)

10:10-11:40 **Progress reports by young researchers**

Moderator:Masato Hasegawa, Naruhiko Sahara

Ryuichi Harada (Tohoku University)

Development of PET radiotracers for imaging Lewy pathology

Tomohiro Miyasaka (Doshisha University)

Distinct distributions of endogenous and exogenous tau in the mouse brain

Shinsuke Ishigaki (Nagoya University)

Accumulation of phosphorylated tau in FUS-silenced mice

Seiji Shiozawa/Mari Nakamura (Keio University)

In vitro modeling of FTDP-17 using patient specific iPSC carrying MAPT R406W mutation

Takafumi Hasegawa (Tohoku University)

Membrane trafficking in neuronal maintenance and degeneration

Kaoru Yamada (Tokyo University)

Characterization of synaptic activity dependent release of endogenous tau from neurons

11:40-12:30 **Lunch and free discussion**

12:30-14:00 **Protein aging; its initiation, elimination, and propagation mechanism**

Moderator: J Paul Taylor, Osamu Onodera

12:30-13:00 Osamu Onodera (Niigata University)

Vicious cycle of TDP-43 up-regulation in spinal motor neurons with amyotrophic lateral sclerosis

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13:00-13:30 **Masato Hasegawa (Tokyo Metropolitan Institute of Medical Science)**

Molecular mechanisms of TDP-43 aggregation

13:30-14:00 **J Paul Taylor (Howard Hughes Medical Institute, USA)**

The Curious Case of C9ORF72

14:00-15:00 Hot topics

Moderator: Li Gan, Kazuhiko Yanai

14:30-15:00 **Shigeomi Shimizu (Tokyo Medical and Dental University)**

Alternative autophagy Is Essential for Neuronal Maintenance

15:00-15:30 **Masaki Fukata (National Institute for Physiological Sciences)**

The LGI1-ADAM22 protein complex in synaptic transmission and disorders

15:00-15:15 **Coffee Break**

15:15-16:45 Mechanism of tau protein aging and treatment

Moderator: Jürgen Götz , Akihiko Takashima

15:15-15:45 **Li Gan (University of California, San Francisco, USA)**

Needle in a Haystack: Searching for Toxic Tau

15:45-16:25 **Akihiko Takashima(Gakushuin University)**

Glutamate stimulates the local translation of tau protein in dendrite, and causes somatodendritic localization of phosphorylated tau in neuron.

16:15-16:45 Jürgen Götz (Clem Jones Centre for Ageing Dementia Research, Australia)

Ultrasound as a treatment regimen in Alzheimer's disease and tauopathies

16:45-17:15 General discussion

17:30- Information exchange meeting (La TRILOGIE near Nagoya Univ.)