Brain/MINDS International Symposium
Mechanism of Neurodegeneration 2023:
The roles of pathological protein propagation and glial cells

Time & Date: 10:00-16:10, Sunday, September 10, 2023
Venue: Tokyo Dome Hotel B1F シンシア
Organizers: AMED Brain/MINDS Neurodegenerative Diseases Group

10:00-10:05 Ryosuke Takahashi (Kyoto University) Opening Remarks

Session 1: Protein Propagation (1)
Co-Chair: Masato Hasegawa (TMiMS), Yuji Takahashi (NCNP)
10:05-10:25 Masanori Sawamura (Kyoto University)
Lewy body disease primate model with α-synuclein propagation from the olfactory bulb.
10:25-10:45 Ayami Okuzumi (Juntendo University)
A Research for mechanism and diagnosis of synucleinopathy based on prion-like seeding hypothesis.
10:45-11:05 Kousuke Baba (Osaka University)
Mutant α-syn fibrils induce Lewy-like pathology in mice.

11:05-11:15 Break

Session 2: Protein Propagation (2)
Co-Chair: Ryosuke Takahashi (Kyoto University), Nobutaka Hattori (Juntendo University)
11:15-12:00 Virginia Lee (University of Pennsylvania)
Transmission of Misfolded Proteins in Neurodegenerative Disorders: A Common Mechanism of Disease Progression
12:00-12:30 Masato Hasegawa (TMiMS)
Prion-like propagation of pathological proteins in neurodegenerative disorders.

12:30 -13:30 Lunchtime Break

Session 3: Glial Cells (1)
Co-Chair: Makoto Higuchi (QST), Taisuke Tomita (The University of Tokyo)
13:30-14:15 Li Gan (Cornell University)
Target innate immunity to enhance cognitive resilience in tauopathy.
14:15-14:45 **Taisuke Tomita** (The University of Tokyo)
Novel strategies for enhanced amyloid clearance in the Alzheimer disease brain.

14:45-15:00 Break

Session 4: Glial Cells (2)
Co-Chair: **Makoto Higuchi** (QST), **Taisuke Tomita** (The University of Tokyo)
15:00-15:30 **Hiroaki Wake** (Nagoya University)
Illumination of physiological and pathological microglia function.
15:30-16:00 **Makoto Higuchi** (QST)
Glial regulation of E-I balances in health and disease.

16:00-16:10 **Toshihisa Ohtsuka** (University of Yamanashi) Closing Remarks

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