

第 53 回日本神経精神薬理学会年会サテライトシンポジウム

主催: 理化学研究所脳神経科学研究センター

協賛: 日本医療研究開発機構 (AMED)

後援: 日本神経精神薬理学会

革新脳国際シンポジウム

神経変性メカニズム 2023: 異常たんぱく質伝播とグリア細胞の役割

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



Brain/MINDS

Contact: symp2023@kuhp.kyoto-u.ac.jp