

Program

October 9 (Friday)

12:50-13:00

Welcome speech

Gen Sobue (Nagoya University)

13:00-14:40

Debate of a role for brain pericytes in brain protein aging

Moderator: Roy O Weller, Osamu Onodera

13:00-13:40

Roy O Weller (Clinical Neurosciences, Faculty of Medicine, University of Southampton, UK)

Failure of elimination of Amyloid β (A β) from the brain in the pathogenesis of Alzheimer's disease and cerebral amyloid angiopathy

13:40-14:10

Osamu Onodera (Niigata University)

How does the cerebral small vessel system contribute the brain function in aging?
–Lesson from the hereditary small vessel disease–

14:10-14:40

Masafumi Ihara (National Cerebral and Cardiovascular Center)

Impact of cerebrovascular disease and potential of neurovascular approach in dementia

14:40-15:00

Coffee break & Poster viewing

15:00-16:20

Molecular bases of brain protein aging (1)

Moderator: Akihiko Takashima, Tetsuyuki Kitamoto

15:00-15:30

Akihiko Takashima (National Center for Geriatrics and Gerontology)

Mechanism of neurodegeneration through tau and therapy for tauopathy.

15:30-16:00

Masato Hasegawa (Tokyo Metropolitan Institute of Medical Science)

Molecular analyses of pathological tau in tauopathy brains

16:00-16:20

Tetsuyuki Kitamoto (Tohoku University)

New Phenotypes of Prion Disease provide a clue to reveal an iatrogenic transmission

16:20-16:30

Coffee break & Poster viewing

16:30-17:50

Keynote Lectures

Moderator: Masato Hasegawa

16:30-17:10

Michel Goedert (MRC Laboratory of Molecular Biology)

The prion concept in relation to tauopathies and synucleinopathies

Moderator: Naruhiko Sahara

17:10-17:50

Dennis W. Dickson (Department of Neuroscience, Mayo Clinic)

Clinicopathologic spectrum of neurodegenerative tauopathies

18:15

Information exchange meeting

Program

October 10 (Saturday)

9:30-10:10

Keynote lectures

Moderator: Akihiko Takashima

9:30-10:10

Khalid Iqbal (Department of Neurochemistry, New York State Institute for Basic Research)
Why tau?

10:10-11:10

Future directions of this area

Moderator: Kazuhiko Yanai

10:10-10:40

Gen Sobue (Nagoya University)

Relationship between brain protein aging and neural circuit breakdown from animal model to human

10:40-11:10

Hideyuki Okano (Keio University)

Modeling Neurological Diseases using iPS cells and Transgenic Non-human Primates

11:10-13:00

Poster discussion and Lunch

13:00-14:00

Molecular bases of brain protein aging (2)

Moderator: Masato Hasegawa

13:00-13:20

Tomoyuki Yamanaka, Nobuyuki Nukina (Doshisha University)

NF-Y inactivation induces differential, cell type-specific neuropathology

13:20-13:40

Shigeomi Shimizu (Tokyo Medical and Dental University)

Development of small compound against polyglutamine diseases based on the regulation of alternative autophagy

13:40-14:00

Takafumi Hasegawa, Masashi Aoki (Tohoku University)

Forebrain-specific knockdown of ESCRT-0/Hrs disrupts protein quality control and promotes ER stress-mediated neuronal cell death via apoptotic and necroptotic pathway

14:00-14:20

Coffee break & Poster viewing

14:20-16:00

Debate of a role for tau imaging in brain protein aging

Moderator: Hideyuki Okano

14:20-15:00

Victor L Villemagne (Department of Nuclear Medicine & Centre for PET, Austin Health)

In vivo evaluation of the pathology of Alzheimer's disease: Ab and tau imaging

15:00-15:30

Kazuhiko Yanai (Tohoku University)

Molecular PET imaging of disease-related pathology in Alzheimer disease

15:30-16:00

Naruhiko Sahara (National Institute of Radiological Science)

Utility of tau imaging probe PBB3 in human and mouse brains

16:00

Closing remarks