Program	Nov. 2 (Thu)
12:30-12:40	Welcome speech
	Gen Sobue (Nagoya University)
12:40-14:30	Molecular bases of brain protein aging (1)
	Moderator: Jaime Grutzendler, Osamu Onodera
12:40-13:20	Jaime Grutzendler (Yale School of Medicine)
	Uncovering the cellular basis of dementia with in vivo optical imaging
13:20-13:50	Osamu Onodera (Niigata University) How are neurovascular units maintained in aging? : from the study of hereditary cerebral small vessel disease
13:50-14:30	Benjamin Wolozin (Boston University)
	Membrane-less organelles and neurodegeneration: The biological underpinnings of neurodegeneration
14:30-14:40	Coffee break & Poster viewing
14:40-16:30	Molecular mechanisms of the propagation
	Moderator: James W. Ironside, Tetsuyuki Kitamoto
14:40-15:00	Hideki Mochizuki (Osaka University)
	Structure and Function of α-synuclein
15:00-15:20	Masato Hasegawa (Tokyo Metropolitan Institute of Medical Science) α-Synuclein prions
15:20-15:40	Tetsuyuki Kitamoto (Tohoku University)
	Prion transmissibility; Lessons given by the iatrogenic Creutzfeldt-Jakob diseases
15:40-16:20	James W. Ironside (National CJD Research and Surveilance Unit, University of Edinburgh)
	Amyloid-β accumulation in the brain and cerebral blood vessels of human growth hormone recipients in the UK
16:20-16:30	Coffee break & Poster viewing
16:30-17:30	Brain Protein Aging and Development of therapy
	Moderator: Kazuhiko Yanai
16:30-17:00	Gen Sobue (Nagoya University)
	Molecular mechanism and therapeutic approach for FUS-mediated FTLD/ALS
17:00-17:30	Hideyuki Okano (Keio University)
	Investigation of human neurodegenerative disorders using iPSCs and genetically modified non-human primates
17:30-18:10	Poster viewing
18:10	Information exchange meeting

Program	Nov. 3 (Fri)
9:00-9:30	Visualization of molecular mechanism
9:00-9:15	Moderator: Masato Hasegawa Kazuki Tainaka (Niigata University) CUBIC: Whole-organ, whole-body imaging with single-cell resolution using chemical
9:15-9:30	cocktails Hiroko Bannai (JST PRESTO/RIKEN) The dynamics of membrane molecules: Insights into synaptic function and neuropathological disease
9:30-10:40	Keynote Lectures
9:30-10:10	Moderator: Michael J Strong, Yadong Huang, Gen Sobue Yadong Huang (University of California, San Francisco) ApoE4 disrupts hippocampal signatures of memory replay
10:10-10:40	Michael J Strong (Western University (ON, Canada))
	Frontotemporal syndromes of ALS. Clinical and molecular insights
10:40-12:00	Poster discussion and Lunch
12:00-13:30	Molecular bases of brain protein aging (2)
12:00-12:30	Moderator: Nicholas M. Kanaan, Akihiko Takashima Akihiko Takashima (Gakushuin University) Function of tau in physiological and disease state
12:30-13:10	Nicholas M. Kanaan (Michigan State University) Exploring recent insights into tau misfolding and neurotoxicity in tauopathies
13:10-13:30	Yoshitaka Nagai (Osaka University) Regulatory role of TDP-43 as an RNA chaperone for RNA aggregation and repeat- associated translation in SCA31
13:30-13:45	Coffee break & Poster viewing
13:45-16:25	Visualization of brain protein aging
13:45-15:25	Moderator: Mony J de Leon, Naruhiko Sahara Mony J de Leon (NYU Medical Center)
15:25-15:55	The impaired clearance of CSF in Alzheimer Disease Kazuhiko Yanai (Tohoku University) Imaging protein misfolding and neuroinflammation in neurodegenerative diseases
15:55-16:25	Naruhiko Sahara (National Institute of Radiological Science) In vivo visualisation of tau pathology, neurodegeneration and neuroinflammation for developing a diagnostic platform of tauopathy
16:25	Closing remarks