## Partnership Symposium between DANDRITE, Aarhus University and BRI, Niigata University

Wednesday 12 - Thursday 13 April 2023 | Nakada Memorial Hall, Brain Research Institute, Niigata University

13:00 - 13:10	Opening Remarks by BRI Director Prof Osamu Onodera
Session 1	Chair: Hideaki Matsui (BRI, Niigata University)
13:10 - 13:35	Gilles Vanwalleghem: Neuro-immunity along the gut-brain axis of zebrafish
13:35 - 13:50	<b>Yohei Nitta</b> : MeDUsA: A novel method for quantification of degeneration using fly axons to evaluate axonal degeneration?
13:50 - 14:15	Anders Nykjær: Sorting out a secret of life – from womb to walker
14:15 - 14:30	<b>Yuriko Iwakura</b> : Epidermal growth factor (EGF) signal modulates perineuronal net formations in the neocortex of developing rodent brains
Session 2	Chair: Anders Nykjær (DANDRITE, Aarhus University)
14:40 - 15:05	<b>Poul Henning Jensen</b> : The unappreciated alpha-synuclein-aggregate pathology – a source for the wider symptomatology of synucleinopathies?
15:05 - 15:20	Yuka Koike: DNA methylation in the TDP-43 autoregulatory region links to aging and ALS
15:20 - 15:45	<b>Thomas Kim</b> : Amyloid-beta and tau pathologies act synergistically to induce novel disease stage-specific microglia subtypes
15:45 - 16:00	Takeshi Ikeuchi: Deciphering early glial transcriptomic alterations in human brain with Alzheimer's disease
Session 3	Chair: Takayasu Mikuni (BRI, Niigata University)
16:10 - 16:25	<b>Masayasu Okada</b> : Novel molecular markers for axon growth: Newly characterized phosphorylation sites of human GAP-43, identified by phosphoproteomics
16:25 - 16:50	Tomonori Takeuchi : Dopaminergic memory consolidation and coeruleo-hippocampal pathway
16:50 - 17:05	Hiroyuki Nawa: Dopaminergic regulation of schizophrenia onset and associated behaviors in its animal model

## **Thursday 13 April**

09:00 - 09:10	Announcement
Session 4	Chair: Kazuki Tainaka (BRI, Niigata University)
09:10 - 09:25	Shinsuke Shibata: Visualizing the localization of specific molecules with electron microscopy
09:25 - 09:50	<b>Poul Nissen</b> : The role of Na,K-ATPase and plasma-membrane Ca <sup>2+</sup> -ATPase in neuropsychiatric disorders
09:50 - 10:05	<b>Motokazu Uchigashima</b> : Development of single-cell, spatiotemporal, quantitative imaging method for endogenous proteins in mammalian brains
Session 5	Chair: Poul Nissen (DANDRITE, Aarhus University)
10:15 - 10:30	Sayaka Sugiyama : Visual experience specifies primary dendrites in cortical interneurons for perception
10:30 - 10:55	Keisuke Yonehara : Neural circuits for visually-mediated behaviors in the mouse
10:55 - 11:10	Isao Hasegawa : Distributed neural organization for visual perception and memory
Session 6	Chair: Akiyoshi Kakita (BRI, Niigata University)
11:20 - 11:35	Hirohide Takebayashi : Establishment and analysis of Eif2b5 mutant mice, a vanishing white matter disease model
11:35 - 12:00	Taro Kitazawa : Epigenetic and transcriptional basis of neuroplasticity
12:00 - 12:15	Masaki Ueno : Exploring sensorimotor circuits in the spinal cord
12:15 - 12:25	Closing Remarks by DANDRITE Director Prof Poul Nissen

Please register to attend the symposium via: https://www.bri.niigata-u.ac.jp/







