The 13th BRI International Symposium
第13回 新潟大学脳研究所 共同研究拠点国際シンポジウム

State-of-the-Art of Brain Pathological PET Imaging and Future Prospects

9 - 10 March 2023 (JST), Online via Zoom

DAY 1
Thursday 9 March

(JST)		
13:30		**Opening Remarks** Hitoshi Shimada (BRI, Niigata University)
		Session 1: Aβ, tau, and their interaction Chair: Hironaka Igarashi (BRI)
13:35-14:05	20:35-21:05 8 March (PST)	**Amyloid and tau PET in clinically unimpaired individuals** Elizabeth Mormino (Stanford University, US)
14:05-14:35		**Challenges for Clinical Implementation of Amyloid PET** Kenji Ishii (Tokyo Metropolitan Institute of Gerontology (TMIG), Japan)
14:35-15:05		**Development and current situation of tau PET** Hitoshi Shimada (BRI, Niigata University, Japan)
15:05-15:15		COFFEE BREAK
		Controversy: Which is more useful for dementia diagnosis? -MRI vs. PET- Chair: Kensaku Kasuga (BRI)
15:15-15:40		**The next generation of dementia treatment would not be possible without PET** Etsuko Imabayashi (National Institutes for Quantum Science and Technology (QST), Japan)
15:40-16:05		**Those who control MRI control dementia treatment** Aya M. Tokumaru (Tokyo Metropolitan Institute of Gerontology (TMIG), Japan)
16:05-16:15		**DISCUSSION**
16:15-16:25		COFFEE BREAK
		Session 2: State-of-the-art technologies Chair: Kenji Ishii (TMIG)
16:25-16:55	18:25-18:55 9 March (AEDT)	**CenTauR: Towards the harmonisation of tau PET imaging** Vincent Doré (Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia)
16:55-17:25		**Development of AI-based automatic diagnosis technology** Hironobu Endo (National Institutes for Quantum Science and Technology (QST), Japan)
17:25-17:55	08:25-08:55 9 March (GMT)	**Structural analysis of abnormally aggregated proteins using cryo-electron microscopy** Michel Goedert (MRC Laboratory of Molecular Biology, UK)

DAY 2
Friday 10 March

(JST)		
		Session 3: Toward Clinical Implementation of PET Chair: Nobuyuki Okamura (TMPU)
08:00-08:30	18:00-18:30 9 March (EST)	**Issues in the Application of Amyloid and Tau PET** Michael J. Pontecorvo (Avid Radiopharmaceuticals, US)
08:30-09:00	18:30-19:00 9 March (EST)	**Future prospects in dementia PET research** Victor Villmagne (University of Pittsburgh, US)
09:00-09:30	19:00-19:30 9 March (EST)	**Cautions on PET clinical implementation from the standpoint of pathological studies** Shunsuke Koga (Mayo clinic, US)
09:30-09:40		COFFEE BREAK
		Session 4: Novel imaging target Chair: Hironobu Endo (QST)
09:40-10:10	19:40-20:10 9 March (EST)	**HDAC imaging** Pedro Rosa-Neto (McGill University, Canada)
10:10-10:40		**Visualizing reactive astrogliosis using positron emission tomography** Nobuyuki Okamura (Tohoku Medical and Pharmaceutical University, Japan)
10:40-11:10		**The next imaging target beyond tau** Maiko Ono (National Institutes for Quantum Science and Technology (QST), Japan)
11:10-11:20		COFFEE BREAK
		Special Lecture Chair: Hitoshi Shimada (BRI)
11:20-12:00	19:20-20:00 9 March (MST)	**History and Prospects of Brain PET Imaging** Satoshi Minoshima (University of Utah, US)
12:00		**Closing Remarks** Hironaka Igarashi (BRI, Niigata University)

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