

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
The 13th BRI International Symposium

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

2023 March

9-10

Online via Zoom

参加登録はこちら Register here



Presenters

AYA TOKUMARU (TMIG)
ELIZABETH MORMINO (Stanford Univ.)
ETSUKO IMABAYASHI (QST)
HIRONOBU ENDO (QST)
HITOSHI SHIMADA (BRI, Niigata Univ.)
KENJI ISHII (TMIG)
MAIKO ONO (QST)
MICHAEL J. PONTECORVO (Avid Radiopharmaceuticals)
MICHEL GOEDERT (MRC Laboratory of Molecular Biology)
NOBUYUKI OKAMURA (TMPU)
PEDRO ROSA-NETO (McGill Univ.)
SATOSHI MINOSHIMA (Univ. of Utah)
SHUNSUKE KOGA (Mayo clinic)
VICTOR VILMAGNE (Univ. of Pittsburgh)
VINCENT DORÉ (CSIRO)



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)
13:35-14:05	20:35-21:05 8 March (PST)	Session 1: Aβ, tau, and their interaction Chair: Hironaka Igarashi (BRI) 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
15:15-15:40		Controversy: Which is more useful for dementia diagnosis? -MRI vs. PET- Chair: Kensaku Kasuga (BRI) 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 Tokumaru (Tokyo Metropolitan Institute of Gerontology (TMIG), Japan)
16:05-16:15		DISCUSSION
16:15-16:25		COFFEE BREAK
16:25-16:55	18:25-18:55 9 March (AEDT)	Session 2: State-of-the-art technologies Chair: Kenji Ishii (TMIG) GenTauR: 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) 08:00-08:30	18:00-18:30 9 March (EST)	Session 3: Toward Clinical Implementation of PET Chair: Nobuyuki Okamura (TMPU) 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
09:40-10:10	19:40-20:10 9 March (EST)	Session 4: Novel imaging target Chair: Hironobu Endo (QST) 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
11:20-12:00	19:20-20:00 9 March (MST)	Special Lecture Chair: Hitoshi Shimada (BRI) History and Prospects of Brain PET Imaging Satoshi Minoshima (University of Utah, US)
12:00		Closing Remarks Hironaka Igarashi (BRI, Niigata University)

