



East – West Connections:

Grand Challenges in Brain, Cognition and Good Life Research

Convenors:

Balázs GULYÁS

Professor of Translational Neuroscience, LKCMedicine
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Director, Para Limes
Nanyang Technological University

3 – 5 October 2016

Nanyang Technological University
Nanyang Executive Centre
Level 2, Auditorium
60 Nanyang View
Singapore 639673

Monday, 3 October

- 8:45am - Welcome and introduction by Balázs GULYÁS and Jan VASBINDER
- 9:00am - [Giacomo RIZZOLATTI](#)
University of Parma, Italy
From mirror neurons to the “mirror brain”
- 10:15am - Coffee break
- 10:45am - [Guy ORBAN](#)
University of Parma, Italy
The role of posterior parietal cortex in action observation: Cultural and other human-specific factors
- 12:00pm - Lunch break
- 1:00pm - [Peter SOMOGYI](#)
University of Oxford, United Kingdom
Temporal and spatial specialisations of rhythmic subcortical GABAergic neurons coordinating network activity of the hippocampal formation
- 2:15pm - [Tamás FREUND](#)
Institute of Experimental Medicine, Hungarian Academy of Sciences, Hungary
The reciprocal GABAergic septo-hippocampal connection: Target selectivity and function related to theta oscillations
- 3:30pm - Coffee break
- 4:00pm - [Atsushi IRIKI](#)
RIKEN Brain Science Institute, Japan
Brain mechanisms of tool-use that advance our knowledge/world beyond the border
- 5:15pm - End of day one workshop
- 5:45pm - Cocktail reception
Venue: Orchid Room, Campus Clubhouse, 50 Nanyang View
- 7:00pm - Concert: Pianist - [Fredrik ULLÉN](#)
8:00pm Karolinska Institute, Sweden

Tuesday, 4 October

- 9:00am - [Paul MATTHEWS](#)
Imperial College London, United Kingdom
Understanding individual variation through the brain functional connectome
- 10:15am - Coffee break
- 10:45am - [Wolf SINGER](#)
Max Planck Institute for Brain Research, Germany
The encoding of semantic relations
- 12:00pm - Lunch break
- 1:00pm - [Mara DIERSSEN](#)
CRG-Center for Genomic Regulation, Spain
Brain disorders therapy: The need for shifting the paradigm
- 2:15pm - [Ernst PÖPPEL](#)
Ludwig-Maximilians-University Munich, Germany
The power of single case studies: Examples from the early visual pathway
- 3:30pm - Coffee break
- 4:00pm - [György BUZSÁKI](#)
New York University, United States
Emergence and mechanisms of cognition
- 5:15pm - End of day two workshop

Dinner for speakers and invited guests only

- 6:00pm - Transport pick up at NEC guest wing lobby
Venue: Orgo Bar and Restaurant, 8 Raffles Avenue
#04-01 Esplanade-Theatres on the Bay, Roof Terrace
- 6:45pm - Dinner
8:45pm
- 9:00pm - Transport pick up at Esplanade-Theatres to NEC guest wing lobby

Wednesday, 5 October

- 9:00am - [Fredrik ULLÉN](#)
Karolinska Institute, Sweden
Music as a window to the creating brain
- 10:15am - Coffee break
- 10:45am - [Jean DECETY](#)
The University of Chicago, United States
Moral progress requires a coupling between empathy and reason - A social neuroscience perspective
- 12:00pm - Lunch break
- 1:00pm - [Torkel KLINGBERG](#)
Karolinska Institute, Sweden
The neuroscience of working memory capacity and training
- 2:15pm - [Stanislas DEHAENE](#)
INSERM-CEA Cognitive NeuroImaging Unit, France
Progress in understanding the representation of syntax in the human brain
- 3:30pm - Coffee break
- 4:00pm - [Henrik EHRSSON](#)
Karolinska Institute, Sweden
Cognitive neuroscience of body self-perception
- 5:15pm - Closing remarks by Balázs GULYÁS
- 5:25pm - End of conference

For speakers only

- 5:35pm - Transport pick up at NEC guest wing lobby to Experimental Medicine Building (EMB)
- 5:45pm - Tour at the Human Brain Imaging Centre
- 6:45pm
- 7:00pm - Transport pick up at EMB to NEC guest wing lobby