East – West Connections:
Grand Challenges in Brain, Cognition and Good Life Research

Convenors:

Balázs GULYÁS
Professor of Translational Neuroscience, LKCMedicine, NTU

Jan VASBINDER
Director, Para Limes, NTU

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
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