

East – West Connections

Cultural circuits in the human brain

**Workshop within the frame of the
Human Cognition Initiative,
initiated by Professor Jan Carlstedt-Duke,
Director, NITHM, and Coordinator of the Future Healthcare Peak,
at Nanyang Technological University, Singapore**

Convenors:

Balázs GULYÁS, Professor of Translational Neuroscience, LKCMedicine, NTU

Jan VASBINDER, Director, Para Limes, NTU

15 – 16 September 2014

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

Monday, 15 September

- 8:45am-9:00am Welcome and introduction – The organisers
- 9:00am-10:10am Jean-Pierre Changeux
Collège de France and Institut Pasteur, Paris, France
The Epigenesis of Cultural Circuits by Selective Stabilisation of Synapses: East-West Perspectives (a research program)
- 10:10am-10:30am Coffee Break
- 10:30am-11:40am Gábor Tamás
University of Szeged, Hungary
What Makes Us Human at the Level of Neocortical Microcircuits?
- 11:40am-12:50pm Per Roland
Karolinska Institute, Stockholm, Sweden and University of Copenhagen, Denmark
What is Vision?
- 12:50pm-2:00pm Lunch Break
- 2:00pm-3:10pm Atsushi Iriki
RIKEN Brain Science Institute, Japan
Multidimensional Approach to Study Neurobiological Mechanisms of How the Human Cognition Evolved
- 3:10pm-4:20pm Szabolcs Kéri
University of Technology and National Institute of Psychiatry, Budapest, Hungary
Health of Mind Captured: a Brain Trained to Body Talk
- 4:20pm-4:40pm Coffee Break
- 4:40pm-5:50pm Roger Vergouwen
Catholic University of Leuven, Belgium
Consciousness, Science, and Information: The Strange Case of Mysterianism
- 5:50pm-6:30pm A summary of the first day by
Jean-Pierre Changeux, John Holland, Szabolcs Kéri, Jan Vasbinder and Balázs Gulyás

Tuesday, 16 September

- 9:00am- 10:10am Ying-Yi Hong
Nanyang Business School, Nanyang Technological University, Singapore
Dynamic Cultural Influences on Brain and Cognition
- 10:10am- 10:30am Coffee Break
- 10:30am- 11:40am Annabel Chen
School of Humanities and Social Sciences Nanyang Technological University, Singapore
Understanding Cerebellar's Contribution to Higher Cognition Through Neuroimaging
- 11:40am- 12:50pm John Holland
University of Michigan, USA
Cycles and Hierarchies
- 12:50pm- 2:00pm Lunch Break
- 2:00pm- 3:10pm Gyula Kovács
University of Jena, Germany
The Cultural Environment as Temporal Context for the Human Brain
- 3:10pm- 4:20pm George Christopoulos
Nanyang Business School, Nanyang Technological University, Singapore
Neuroscience of Human Decision Making: from Dopamine to Culture
- 4:20pm- 4:40pm Coffee Break
- 4.40pm- 5:50pm Kerry Lee
National Institute of Education, Nanyang Technological University, Singapore
The Development of Executive Functions, Relations to Academic Achievement, and Prospects for Intervention
- 5:50pm- 6:30pm A summary of the second day by
Jean-Pierre Changeux, John Holland, Szabolcs Kéri, Jan Vasbinder and Balázs Gulyás

Remarks:

45 min lecture time + 25 min Q+A time

The final sequence of the lecture may change in order to have a better dovetailing among the topics