

National Neuroscience Institute (NNI) – Singapore Institute for Neurotechnology (SINAPSE) Symposium

Date / Time: **16 May 2014 (Friday) 12.00 – 5.00pm**

Venue: **B1 Exhibition Hall, National Neuroscience Institute, 11 Jalan Tan Tock Seng, Singapore 308433**

Synopsis: The inaugural NNI-SINAPSE symposium is a half-day event. The aim of the symposium is to create a platform for the exchange of research ideas between clinicians, scientists, and engineers for the promotion of translational neuroscience research.

Registration: **FREE**. Please email your name and institution to nni_secretariat@nni.com.sg for registration.

Symposium Programme

Time	Programme Title	Speakers
12:00 -12:45	Registration / Lunch / Poster Preparation	
12:45 -13:00	Introduction of NNI and SINAPSE	A/Prof Ng Wai Hoe , Deputy Director NNI, Head of Neurosurgery Prof Nitish Thakor , Director of SINAPSE. BioE, Hopkins.
BRAIN INJURY		
13:00 -13:10	Brain Tissue Oxygen Monitoring in Paediatric Patients with Compromised Cerebral Perfusion	Dr David Low Consultant, Department of Neurosurgery, NNI & KKWCH
13:10 -13:20	Implantable Neurotechnologies	Dr Sudip Nag/ Kian Ann Ng , SINAPSE
SPINAL AND PERIPHERAL NERVE INJURY		
13:20 -13:30	Spinal Injury	Dr Shree Kumar Dinesh , Consultant, Department of Neurosurgery, NNI.
13:30 -13:40	Peripheral Nerve Prostheses in Non-Human Primates	Dr Shih-Cheng Yen , Deputy Director, SINAPSE.
13:40 -13:50	Therapeutic strategies in spinal cord injury	Dr Angelo H. All , SINAPSE.
13:50 – 14:00	Robotics for Neurorehabilitation	Dr Haoyong Yu , SINAPSE.
14:00 – 15:10	Tea Break / Poster Viewing	
NEURO-COGNITIVE RESEARCH		
15:10 – 15:20	Neurocognitive Research in NNI	Dr Nagaendran Kandiah Consultant, Department of Neurology, NNI.
15:20 – 15:30	Developing an MRI Model of Injury in Hydrocephalus	Dr Nicole Keong Associate Consultant, Department of Neurosurgery, NNI.
15:30 – 15:40	Virtual and Augmented Reality Games Improves Brain Plasticity in Aging Population	Dr Tasos Bezerianos , SINAPSE.
NEURO-IMAGING AND SURGERY		
15:40 - 15:50	Neurovascular Surgery – Arteriovenous Malformations (AVM) and Aneurysms	Dr Julian Han / Dr Vincent Ng Resident / Consultant, Department of Neurosurgery, NNI.
15:50 - 16:00	Organic nanoparticles as fluorescence and photoacoustic contrast agents	Dr Bin Liu , NUS.
16:00 - 16:10	Optical Imaging in Neuroscience	Dr Lun-De Liao , SINAPSE.
16:10 - 16:20	Continuum Robotics and Sensing in Neurosurgery	Dr Hongliang Ren , SINAPSE.
16:20 - 16:30	Brain Tumour Imaging and Resection	Dr Ling Ji Min Registrar, Department of Neurosurgery, NNI
16:30 - 16:40	Concluding Remark	A/Prof Ng Wai Hoe , Deputy Director, Head of Neurosurgery, NNI.

Symposium Co-Chairs:

A/Prof Ng Wai Hoe, MD, FRACS
Deputy Director, Head of Department Neurosurgery,
National Neuroscience Institute.

Prof Nitish Thakor, PhD.
Director, Singapore Institute for Neurotechnology
(SINAPSE), National University of Singapore.
BioE, Johns Hopkins University.

Organized by:

