



### Program

## 18<sup>th</sup> Thai Neuroscience Society Conference 2014 and 2<sup>nd</sup> CU-NIPS Symposium “Frontier in Neuroscience Research”

December 22-23, 2014

Room 1002, 10<sup>th</sup> Floor, Pharmaceutical Sciences Innovation Building  
Faculty of Pharmaceutical Sciences, Chulalongkorn University, Bangkok, Thailand

### Monday, December 22, 2014

- 08.15-08.45     Registration
- 08.45-09.15     **Opening Ceremony**  
Dean, Faculty of Pharmaceutical Sciences, Chulalongkorn University  
Director, National Institute for Physiological Sciences  
President, Thai Neuroscience Society
- 09.15-09.45     Group Photo and Coffee Break/ Poster Viewing
- 09.45-10.20     **Rungtham Ladpee Lecture**  
*Professor Dr. Pavich Tongroach*  
*National Research Council of Thailand*
- 10.20-11.00     **Special Lecture I: Skilled reaching relies on a V2a propriospinal internal copy circuit**  
*Professor Dr. Bror Alstermark*  
*Department of Integrative Medical Biology, Umea University, Sweden*
- 11.00-12.00     **Symposium I : Motor control of hand movement**
- 11.00-11.30     **Subcortical control of voluntary movement**  
*Professor Dr. Kazuhiko Seki*  
*Department of Neurophysiology, National Institute of Neuroscience, Japan*
- 11.30-12.00     **Causal link between motor system and limbic system**  
*Associate Professor Dr. Yukio Nishimura*  
*Division of Behavioral Development,*  
*National Institute for Physiological Sciences, Japan*
- 12.00-12.15     **Introducing National Institute for Physiological Sciences, Japan**  
*Professor Dr. Tadashi Isa*  
*National Institute for Physiological Sciences, Japan*
- 12.15-14.00     = Lunch and Poster Viewing =

- 14.00-14.40    **Special Lecture II : Neuroinflammation and Migraine**  
*Professor Dr. Anan Srikiatkachorn*  
*Department of Physiology,*  
*Faculty of Medicine, Chulalongkorn University, Thailand*
- 14.40-15.20    **Special Lecture III : Cortical synapse remodeling in chronic pain**  
*Professor Dr. Junichi Nabekura*  
*Division of Homeostatic Development,*  
*National Institute for Physiological Sciences, Japan*
- 15.20-15.30    = Coffee Break =
- 15.30-17.00    **Symposium II : Disorders of motor system and recovery mechanisms**
- 15.30-16.00    **Neural mechanism of recovery of forelimb movements after stroke**  
*Professor Dr. Tadashi Isa*  
*Division of Behavioral Development,*  
*National Institute for Physiological Sciences, Japan*
- 16.00-16.30    **Cortico-basal ganglia loop and movement disorders**  
*Professor Dr. Atsushi Nambu*  
*Division of System Neurophysiology,*  
*National Institute for Physiological Sciences, Japan*
- 16.30-17.00    **Glycinergic inhibition of the ipsilateral cortical excitation to forelimb motoneurons in monkeys**  
*Dr. Tatsuya Umeda*  
*Department of Neurophysiology, National Institute of Neuroscience, Japan*
- 17.00-17.30    **Annual Meeting of Thai Neuroscience Society**
- 18.00-21.00    **Reception**

**Tuesday, December 23, 2014**

- 08.00-08.30    Registration
- 08.30-09.10    **Special Lecture IV: Implications of stem cell therapy in hearing restoration**  
*Assist. Prof. Dr Nopporn Jongkamonwiwat*  
*Faculty of Health Sciences, Srinakharinwirot University, Thailand*
- 09.10-10.40    **Symposium III : Neuroscience of Behaviors**
- 09.10-09.40    **Regulatory role of hypothalamic AMP-activated protein kinase (AMPK) in food selection behavior**  
*Professor Dr. Yasuhiko Minokoshi*  
*Division of Endocrinology and Metabolism,*  
*National Institute for Physiological Sciences, Japan*

- 09.40-10.10     **Ultra high field MRI of human brain structure and function**  
*Associate Professor Dr. Masaki Fukunaga*  
*Division of Cerebral Integration,*  
*National Institute for Physiological Sciences, Japan*
- 10.10-10.40     **Regulation of orientating behaviors by viral vector technique in mice**  
*Associate Professor Dr. Thongchai Sooksawate*  
*Department of Pharmacology and Physiology,*  
*Faculty of Pharmaceutical Sciences, Chulalongkorn University, Thailand*
- 10.40-11.00     = Coffee Break =
- 11.00-11.40     **Special Lecture V : Activation of signal transmission within the trimetric ATP  
receptor channel P2X2 and the voltage-dependent structural rearrangements**  
*Professor Dr. Yoshihiro Kubo*  
*Division of Biophysics and Neurobiology,*  
*National Institute for Physiological Sciences, Japan*
- 11.40-11.50     **Best Poster Award**
- 11.50-12.10     **Closing Ceremony**  
Dean, Faculty of Pharmaceutical Sciences, Chulalongkorn University, Thailand  
Director, National Institute for Physiological Sciences, Japan  
President, Thai Neuroscience Society
- 12.10-13.00     = Lunch =