

**Virtual Conference: Tentative Schedule**  
**The 24th Thai Neuroscience Society Conference 2021 (TNS 24)**  
**“Transdisciplinary Neuroscience Research and Innovation”**

organized by  
**Departments of Physiology and Anatomy, Faculty of Medicine Siriraj Hospital  
and Thai Neuroscience Society**  
January 29, 2021

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**Friday, January 29, 2021**

- 08.30 - 09.00 Registration
- 09.00 - 09.15 Open Ceremony / Welcome Address  
President, Thai Neuroscience Society  
Dean, Faculty of Medicine Siriraj Hospital
- 09.15 - 10.25 **Chair-I:** Piyarat Govitrapong / Supin Chompoonong
- 09.15 - 09.45 **Special Lecture I** How Microglia Sense and Regulate Neuronal Activity.  
*Prof. Long-Jun Wu, Ph.D.*  
(Department of Neurology, Department of Neuroscience, Mayo Clinic,  
Rochester, U.S.A.)
- 09.45 - 09.50 Q&A-I
- 09.50 - 10.20 **Special Lecture II** Memory Enhancing and Anti-Inflammatory Effect of  
Compound E411 on Fear Memory Deficit in Triple Transgenic  
Alzheimer's Disease Mice.  
*Prof. Ingrid Y. Liu, Ph.D.*  
(Tzu Chi University, Hualien, Taiwan)
- 10.20 - 10.25 Q&A-II
- 10.25 - 12.10 **Chair-II:** Sukumal Chongthammakun / Sompol Tapechum
- 10.25 - 10.55 **Special Lecture III** Effect of Ergothioneine on 7-Ketocholesterol  
Induced Brain Endothelial Cell Injury.  
*Prof. Wei Yi Ong, Ph.D.*  
(Yong Loo Lin School of Medicine, National University of Singapore,  
Singapore)
- 10.55 - 11.00 Q&A-III
- 11.00 - 11.30 **Special Lecture IV** Disruptive Technology and Cognitive Neuroscience  
Change the World Education.  
*Assoc. Prof. Chailerd Pichitpornchai, M.D., Ph.D.*  
(Faculty of Medicine Siriraj Hospital, Mahidol University)
- 11.30 - 11.35 Q&A-IV
- 11.35 - 12.05 **Special Lecture V** Gut Microbiome and Human Brain Aging: Current  
Concept and Evidence-Based Treatment.  
*Asst. Prof. Amornpun Sereemasapun, M.D., Ph.D.*  
(Faculty of Medicine, Chulalongkorn University)
- 12.05 - 12.10 Q&A-V
- 12.10 - 13.10 Lunch / Annual Meeting of Thai Neuroscience Society

- 13.10 - 14.55 **Chair-III:** Thawornchai Limjindaporn / Sujira Mukda
- 13.10 - 13.40 **Special Lecture VI** ATN plus: Biomarkers for Alzheimer's Disease.  
*Assoc.Prof.Vorapun Senanarong, M.D., FRCP.*  
(Faculty of Medicine Siriraj Hospital, Mahidol University)
- 13.40 - 13.45 Q&A-VI
- 13.45 - 14.15 **Special Lecture VII** Role of Neuronal Hyperactivity for an Impairment of Visual Processing in Healthy Aging and Alzheimer's Disease.  
*Nithi Asavapanumas, M.D., Ph.D.*  
(Chakri Naruebodindra Medical Institute Faculty of Medicine Ramathibodi Hospital, Mahidol University)
- 14.15 - 14.20 Q&A-VII
- 14.20 - 14.50 **Special Lecture VIII** Targeted DNA Drug Delivery into The Brain: *In Vitro* and *In Vivo* Study in Astrocytes.  
*Benjaporn Homkajorn, Ph.D.*  
(Laboratory of Pharmacology, Chulabhorn Research Institute, Bangkok, Thailand)
- 14.50 - 14.55 Q&A-VIII
- 14.55 - 16.10 **Chair-IV:** Thongchai Sooksawate / Narawut Pakaprot
- 14.55 - 15.25 **Special Lecture IX** Methamphetamine-Induced Neurotoxicity: From Neurodegeneration Toward Cognitive Impairment.  
*Prof.Banthit Chetsawang, Ph.D.*  
(Research Center for Neuroscience, Institute of Molecular Biosciences, Mahidol University)
- 15.25 - 15.30 Q&A-IX
- 15.30 - 16.00 **Special Lecture X** Cognitive Ability Assessment in Non-Human Primates.  
*Lalitta Suriya-Arunroj, Ph.D., Dr.rer.nat.*  
(National Primate Research Center of Thailand, Chulalongkorn University)
- 16.00 - 16.10 Q&A-X
- 16.10 - 16.30 Awards Presentation (for best poster presentation) / Closing Ceremony
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