

**IBRO-APRC Supported Winter School on Neuroplasticity Across the Lifespan
& 28th Annual Conference of Thai Neuroscience Society (TNS28)**

Program

Wed 29-10-2025 (DAY 1)				
	Time		Main Room (DOI SUTHEP 1-2)	Workshop
DAY 1	08:30	-	Registration at Kantary Hotel, Chiang Mai	
	09:30	10:00	Time break	
	10:00	12:00	International Final Round: TNS Neuro Quiz 2025 Assoc. Prof. Chailerd Pichitpornchai, MD, PhD Mahidol University, Thailand Assoc. Prof. Akkradate Siriphorn, PhD Chulalongkorn University, Thailand Asst. Prof. Prateep Amonruttanapun, PhD Thammasat University, Thailand	
	12:00	13:30	Lunch	
	Opening Ceremony			
	13:30	13:40	Opening remarks Prof. Dumnoensun Pruksakorn, MD, PhD Head of CMUTEAM Faculty of Medicine, Chiang Mai University, Thailand	
	13:40	13:45	Opening remarks Prof. Supin Chompoong, PhD President of Thai Neuroscience Society Faculty of Medicine Siriraj Hospital, Mahidol University, Thailand	
	13:45	13:50	TNS NEURO QUIZ 2025 Award ceremony	
	13:50	13:55	Announcement of Honorary Members	
	13:55	14:10	Group Photography	
	Plenary Lectures			
	14:10	14:50	Distinguished Prof. Siriporn Chattipakorn, DDS, PhD Faculty of Medicine, Chiang Mai University, Thailand Obesity, aging and cognitive impairment: mechanistic insight and non-pharmacological approaches	14:00-17:00 (DOI NUA) IL MU workshop Assoc. Prof. Chailerd Pichitpornchai, MD, PhD (30 participants, free)
	14:50	15:20	Time break	
	15:20	16:00	Prof. Vorasuk Shotelersuk, MD Faculty of Medicine, Chulalongkorn University, Thailand Precision medicine: a new Era of healthcare	
	16:00	16:40	Prof. Daesoo Kim, PhD KAIST institute for Biocentury KAIST institute for Health Science KAIST institute for Artificial Intelligence, Korea Neuroscience takes AI to Tango	14:00-17:00 (DOI NANG at 2 nd FI) SKT workshop (Thai language) Prof. Somporn Kantharadussadee Triamchaisri, PhD and Brand company (50 registered participants)
	17:00	17:30	Poster put up (PARTY ROOM)	
17:30	-	Welcome dinner* <i>* ONLY for Invited speakers, IBRO lecturers, TNS, TNS28 organizing committee, IBRO students</i>		

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Thu 30-10-2025 (DAY 2)				
	Time		Main Room (DOI SUTHEP 1-2)	Workshop
DAY 2	Professor Dr Prasop Ratanakorn's Lecture			
	08:45	09:15	Prof. Long-Jun Wu, PhD University of Texas Health Science Center at Houston, USA Road-shaped microglia regulate neuronal activity in TDP-43 neurodegeneration	
	Plenary Session I: Mechanisms of Neuroplasticity Across Development and Aging			
	09:15	09:45	Arnaud Monteil, PhD University of Montpellier, France Paving the path to therapies for genetic diseases linked to the NALCN channelosome	
	09:45	10:15	Prof. Wael Mohamed, MD, PhD International Islamic University Malaysia, Malaysia Knowing the unknown: Parkinson's hidden face	
	10:15	10:45	Time break + Poster evaluation (PARTY ROOM)	
	10:45	11:15	Assoc. Prof. Vorasith Siripornpanich, MD, PhD Mahidol University, Thailand Mind at rest, brain in motion: sleep and synaptic plasticity	
	11:15	11:45	Ranchana Yeewa, PhD Chiang Mai University, Thailand Epigenetic-Metabolic crossroads in neuroplasticity and brain aging	
	11:45	13:30	Lunch	
	Professor Dr Roongtam Ladpli's Lecture			
	13:30	14:00	Prof. Ingrid Liu, PhD Tzu Chi University, Taiwan From sleep to synapse: neuroplasticity impairment via Actin depolymerization in REM sleep-deprived mice	
	Plenary Session II: Advanced Imaging and Omics Technologies for Studying Neuroplasticity			
	14:00	14:30	Ha Thi Thanh Huong, PhD International University, Vietnam National University, Vietnam Comprehensive AI in Alzheimer's: from early diagnosis to progression insights across multiple modalities	
	14:30	15:00	Prof. Sutisa Nudmamud-Thanoi, PhD Naresuan University, Thailand Proteomic insights into cognitive performance: age-dependent sex differences in healthy Thai subjects	
15:00	15:30	Time break + Poster evaluation (PARTY ROOM)		
15:30	16:00	Catleya Rojviriyi, PhD Synchrotron Light Research Institute (SLRI), Thailand Super-High resolution tomography imaging in neuroscience		

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16:00	16:30	Prof. Banthit Chetsawang, PhD Mahidol University, Thailand The regulation of kynurenine pathway: a potential targeting to prevent neurodegeneration in methamphetamine-induced toxicity model	
16:30	16:45	Selected Abstract #1 Miss Napasakorn Verasaksuriya Faculty of Science, Mahidol University Investigating the Role of UCHL1 Inhibition in Autophagic Disruption and Cellular Senescence in Microglia.	
16:45	17:00	Selected Abstract #2 Assoc. Prof. Vikas Kumar Tiwari Graduate School of Medicine, Tohoku University, Japan; SGMCHRC, MGUG, India A New Brain Signal Recorded from TMS in Primates: Predicting Motor Paralysis Outcomes	
17:00	17:15	Flash talk #1 Dr. Tara Sudhadevi University Road, South Kalamassery, Kalamassery Inhibition of Sphingosine Kinase 1 by PF543 Improves Airway Hyperreactivity and Neuro-Cognitive Behavior in a Murine Bronchopulmonary Dysplasia Model	
		Flash talk #2 Miss Chattraporn Nantawanichakorn Research Center for Neuroscience, Institute of Molecular Biosciences Therapeutic Potential of Exosomes Derived from Stem Cells from Human Exfoliated Deciduous Teeth (SHEDs) in Improving Neurological and Motor Recovery After Ischemic Stroke in Rats	
		Flash talk #3 Miss Yaowapa Trangan MBNS, Mahidol University Non-Invasive Assessment of Age-Related Sweat 3-Hydroxyanthranilic Acid: Implications for Early Detection of Cognitive Decline	
		End of DAY 2	

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Fri 31-10-2025 (DAY 3)				
	Time	Main Room (DOI SUTHEP 1-2)	Workshop	
DAY 3	Plenary Session III: Gene Editing and Cell-Based Approaches to Modulate Neuroplasticity			
	08:45	09:15	Prof. Toshihide Yamashita, MD, PhD Osaka University, Japan Repulsive guidance molecule regulates glial and immune function under neurological diseases	09:00-12:00 (DOI NUA) SKT workshop (English language) Prof. Somporn Kantharadussadee Triamchaisri, PhD and Brand company (30 registered participants)
	09:15	09:45	Assoc. Prof. Yoshida Hideki, PhD Kyoto Institute of Technology, Japan Diversity of molecular mechanisms underlying mRNA localization	
	09:45	10:15	Nithi Asavapanumas, MD, PhD Mahidol University, Thailand Induced Pluripotent stem cells (iPSCs)-derived brain models in the study of neurodevelopment and neurodegeneration	
	10:15	10:45	Time break + Poster evaluation (PARTY ROOM)	
	Plenary Session IV: Pharmacological and Lifestyle Interventions to Enhance Neuroplasticity			
	10:45	11:15	Hiranya Pintana, PhD Chiang Mai University, Thailand The Impact of 5-Alpha-Reductase Inhibition on Anxiety- and Depression-Like Behaviors in Obese-Insulin Resistant or Early-Senescent Male Rats	
	11:15	11:45	Salinee Jantrapirom, PhD Chiang Mai University, Thailand UBQLN2-Associated Neurodegeneration: Molecular Mechanisms and Therapeutic Perspectives	
	11:45	12:15	Assoc. Prof. Narawut Pakaprot, MD, PhD Mahidol University, Thailand In Search for the Molecular Target of Centella Asiatica Extract	
	12:15	13:30	Lunch	
	Plenary Session V: Neuroplasticity Across Systems: From Social Behavior to Cognitive Aging and Brain-Gut Interactions			
	13:30	14:00	Distinguished Prof. Ishwar Parhar, PhD University of Toyama, Japan Neural Plasticity in Reproduction and Social Behaviors	
	14:00	14:30	Lalitta Suriya-Arunroj, Dr. rer. nat. Chulalongkorn University, Thailand Cognition, Clocks, and Computation: Cognitive Decline and Epigenetic Aging in Monkeys - Bridging Computational and Translational Neuroscience	
14:30	15:00	Assist. Prof. Amornpun Sereemasapun, MD, PhD Chulalongkorn University, Thailand		

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Time		Main Room (DOI SUTHEP 1-2)	Workshop
		Emerging Trends of Microbiome-related products used for Gut-Brain Axis: Cutting-Edge Clinical Application	
15:00	15:30	Time break + Poster evaluation (PARTY ROOM)	
15:30	15:45	Selected Abstract #3 Miss Anda Cimpean Institute of Experimental Medicine, Czech Academy of Sciences, Prague 4-Methylumbelliferone as a Modulator of Neuroinflammation and Neural Plasticity During Aging	
15:45	16:00	Selected Abstract #4 Mr. Raj Katariya Division of Neuroscience, Smt. Kishoritai Bhoyar College of Pharmacy, Kamptee, Nagpur Therapeutic Targeting of Central Agmatine Signaling for Intervention of Huntington's Disease	
16:00	16:25	IBRO communication	
16:25	16:35	Announcement Award winners (Best poster, Awarding for the selected abstracts and flash talks)	
16:35	17:00	TNS communication and CLOSING REMARKS	
		END of TNS28	