

2025 Neuro-trauma, Neuroprotection, and Brain Plasticity International Symposium

Venue: International Conference Hall, 16F, Comprehensive Medical Building (Rear Building), TMU

Time & Date: 9:00-17:40, March 12, 2025

Molecular and Cellular neuro-glial mechanisms underlying plasticity and memory in the physiological and pathological brain			
Time	Topic	Speaker	Moderator
09:00~09:30	Registration		
09:30~09:40	Opening Remark	Mai-Szu Wu (吳麥斯), MD, PhD President, Taipei Medical University (TMU), Taiwan Wen-Chang Chang (張文昌), PhD Academician, Academia Sinica Chair Professor, Graduate Institute of Medical Sciences, College of Medicine, TMU, Taiwan	
09:40~10:10	3-Monothiopomalidomide, A New Ummunomodulatory Imide Drug (IMiD), Blunts Inflammation and Mitigates Ischemic Stroke in the Rat	Barry J. Hoffer, MD, PhD Adjunct Professor, Department of Neurosurgery, Case Western Reserve University, USA	Yung-Hsiao Chiang (蔣永孝), MD, PhD Superintendent, Taipei Neuroscience Institute, Taiwan Tara Walker Senior Research Associate, Queensland Brain Institute, The University of Queensland, Brisbane, Australia
10:10~10:40	Adult Neurogenesis and Hippocampal Function	Claire Rampon, PhD Research Director, National Centre for Scientific Research (CNRS), France Head, Centre de Recherches sur la Cognition Animale (CRCA) at the Centre de Biologie Intégrative (CBI), Université Toulouse III, France	
10:40~10:50	Group photo		
10:50~11:10	Tea Break		
11:10~11:40	A 37-Year Journey in Combatting Traumatic Brain Injury: From Helmet Legislation to Global Breakthroughs in Mild TBI Research	Wen Ta Chiu (邱文達), MD, PhD Co CEO, AHMC Healthcare Inc., CA, USA Emeritus Professor, Graduate Institute of Injury Prevention and Control, College of Public Health, TMU, Taiwan	Kai-Yun Chen (陳凱筠), PhD Professor, Ph.D. Program in Medical Neuroscience, College of Medical Science and Technology, TMU, Taiwan Gilles Bonvento Senior Research Director, National Institute for Health and Medical Research (INSERM), Lille, France
11:40~12:10	Linking brain lipid metabolism dysregulations to neuronal epigenetics in Alzheimer's disease	Anne-Laurence BOUTILLIER, PhD Research Director, Laboratory of Cognitive and Adaptive Neuroscience, National Centre for Scientific Research (CNRS), France	
12:10~13:40	Lunch		
13:40~14:10	Traumatic Brain Injury (TBI) and the Neuroprotective Potential of Ketogenic diet and Niacin in Mice	Chaim G. Pick, PhD Professor, Department of Anatomy & Anthropology, Faculty of Medicine, Tel-Aviv University, Israel	Chi-Chen Huang(黃祺真), PhD Associate Professor, Ph.D. Program in Medical Neuroscience, College of Medical Science and Technology, TMU, Taiwan Tsung-I Hsu(徐宗溢), PhD Associate Professor, Ph.D.
14:10~14:40	Elevating Brain GLP-1 and GIP Levels as a Treatment Strategy for Neurodegenerative Disorders	Nigel Greig, PhD Drug Development Scientist, USA	

			Program in Medical Neuroscience, College of Medical Science and Technology, TMU, Taiwan
14:40~15:10	The Astrocyte-to-neuron L-serine Shuttle Contributes to Synaptic Plasticity and is Altered in Alzheimer's Disease	Gilles Bonvento, PhD Senior Research Director, National Institute for Health and Medical Research (INSERM), France	David Blum, PhD Research Director, National Institute for Health and Medical Research (INSERM), France Visiting Professor, College of Biomedical Engineering, TMU, Taiwan
15:10~15:40	The Applications and Analysis of Neurosignals	Chao-Hung Kuo (郭昭宏), MD, PhD Attending Physician, Department of Neurological Surgery, Taipei Veterans General Hospital, Taiwan	Thierry Burnouf, PhD Distinguished Professor & Vice Dean, Graduate Institute of Biomedical Materials and Tissue Engineering, College of Biomedical Engineering, TMU, Taiwan
15:40~16:00	Tea Break		
16:00~16:30	Caffeine and Adenosine Receptors in Alzheimer's Disease: from Bench to Bedside	David Blum, PhD Research Director, National Institute for Health and Medical Research (INSERM), Lille, France Visiting Professor, College of Biomedical Engineering, TMU, Taiwan	Claire Rampon Research Director, National Centre for Scientific Research (CNRS), France Head, Centre de Recherches sur la Cognition Animale (CRCA) at the Centre de Biologie Intégrative (CBI), Université Toulouse III, France
16:30~17:00	Platelet-derived Factors Rejuvenate the Ageing Brain	Tara Walker Senior Research Associate, Queensland Brain Institute, The University of Queensland, Australia	David Blum, PhD Research Director, National Institute for Health and Medical Research (INSERM), France Visiting Professor, College of Biomedical Engineering, TMU, Taiwan
17:00~17:30	Neuro-Behavioral Dynamics Contribute to the Algorithms Underlying Hippocampus-Dependent Spatial Learning	Ching-Lung Hsu Assistant Research Fellow, Institute of Biomedical Sciences, Academia Sinica, Taiwan	
17:30~17:40	Closing Remark	Tzu-Jen Kao (高祖仁), PhD Professor, International Master Program in Medical Neuroscience, College of Medical Science and Technology, TMU, Taiwan	

Time & Date: 9:00-16:00, March 13, 2025

TMU-UH-NIH International Symposium			
Time	Topic	Speaker	Moderator
09:00~09:30	Registration		
09:30~09:40	Opening Remark	Yung-Hsiao Chiang (蔣永孝), MD, PhD Superintendent, Taipei Neuroscience Institute, Taiwan	
09:40~10:10	Discovery of a Novel Pathway Protecting Dopamine Neurons	Mart Saarma, PhD Research Director, Institute of Biotechnology, HiLIFE, University of Helsinki (UH), Finland	Yung-Hsiao Chiang (蔣永孝), MD, PhD Superintendent, Taipei Neuroscience Institute, Taiwan Wei-Chun HuangFu (皇甫維君), PhD Professor & Vice Dean, College of Medical Science and Technology, TMU, Taiwan
10:10~10:40	Discovering Novel DYRK1A Inhibitors and Its Impact on Alzheimer's disease	Huang-Ju Tu (杜皇儒), PhD Postdoctoral fellow, Graduate Institute of Cancer Biology and Drug Discovery, TMU, Taiwan	
10:40~10:50	Group photo		
10:50~11:10	Tea Break		

11:10~11:40	Cold Perspective on Rapid-acting Antidepressant Effects	Tomi Rantamäki, PhD Professor, Division of Pharmacology and Pharmacotherapy, Faculty of Pharmacy, UH, Finland	Nigel Greig Drug Development Scientist, USA Tzu-Yu Hsu (徐慈妤), PhD
11:40~12:10	Programmed Bifurcation in the Choroid Plexus as the Earliest Brain Clock	Jihwan Myung(明智煥), PhD Associate Professor, Ph.D. Program in Graduate Institute of Mind, Brain and Consciousness, TMU, Taiwan	Director, Ph.D. Program in Graduate Institute of Mind Brain and Consciousness, TMU, Taiwan
12:10~13:30	Lunch		
13:30~14:00	Towards a Human Cell-based Model of Parkinson's Disease: Lessons from GDNF and Alpha-synuclein Aggregation	Mikko Airavaara, PhD Vice-dean for research and innovation Professor, Brain/Repair group, Drug Research Program, Division of Pharmacology and Pharmacotherapy, Faculty of Pharmacy, UH, Finland	Jian-Ying Chuang (莊健盈), PhD Professor & Vice Dean, College of Medical Science and Technology, TMU, Taiwan Yi-Chao Lee (李宜釗), PhD
14:00~14:30	Dysbiosis and Parkinson's Disease: The Gut-Brain Connection	Hui-Yu Huang (黃惠宇), PhD Professor, Graduate Institute of Metabolism and Obesity Sciences, TMU, Taiwan	Director, Ph.D. Program in Medical Neuroscience, TMU, Taiwan
14:30~14:50	Tea Break		
14:50~15:20	Of Mice and Men: Learnings from the Bigger Mammal	Vassilis STRATOULIAS, PhD Assistant Professor, Department of Pharmacy, UH, Finland	Wen-Bin Yang (楊文賓), PhD Assistant Professor, Ph.D. Program in Medical Neuroscience, TMU, Taiwan Yi-Chen Hsieh (謝宜蓁), PhD
15:20~15:50	The Contribution of the Chemokine CCL5 to Neuronal Function Restoration After Brain Injury	Szu-Yi Chou (周思怡), PhD Professor, Ph.D. Program in Medical Neuroscience, TMU, Taiwan	Professor, Ph.D. Program in Medical Neuroscience, TMU, Taiwan
15:50~16:00	Closing Remark	Yung-Hsiao Chiang (蔣永孝), MD, PhD Superintendent, Taipei Neuroscience Institute, Taiwan	