

SCIENTIFIC PROGRAM

SESSION LECTURE

No.28

**Neural Circuits in Sensation Disorders and
Related Negative Emotional Responses**
Room: Phoenix Room 3

**Co-Chairs:
Yun-Qing Li**



Makoto Tsuda



Day 1 October 19th (Saturday) 14:00 – 17:30

Time	Speaker	Title
14:00-14:30	Makoto Tsuda Graduate School of Pharmaceutical Sciences, Kyushu University, Japan	Functional changes in spinal dorsal horn inter-neurons crucial for neuropathic pain
14:30-15:00	Tao Chen Air Force Medical University, China)	Synaptic plasticity in the cortex for the regulation of pain
15:00-15:30	Yu Fu Institute of Molecular and Cell Biology, A*STAR, Singapore	Neural mechanisms for inhibiting and promoting eating under pain
15:30-15:40	Tea Break	
15:40-16:10	Doyun Lee Institute for Basic Science (IBS) , South Korea	Individual recognition and associative social memory in the hippocampus
16:10-16:40	Xiang-Yao LI Zhejiang University School of Medicine, China	The role of the retrosplenial cortex in pain regulation
16:40-17:10	Rao Fu School of Medicine, Sun Yat-sen University, China	Aberrant hyperactive LHb and RMTg function drive negative affect and pain associated with alcohol dependence
17:10-17:40	Yun-Qing Li Air Force Medical University, China	Involvement of periventricular thalamic nucleus in chronic pain comorbid with anxiety and depression



Makoto Tsuda

tsuda@phar.kyushu-u.ac.jp

Professor at the Graduate School of Pharmaceutical Sciences, Kyushu University (Fukuoka, Japan). His main research interest is to elucidate the cellular and molecular mechanisms of chronic pain and itch, with a focus on glia-neuron interactions in the nervous system, especially spinal cord and brain.



Tao Chen

chtckl@fmmu.edu.cn

Professor and Director of Department of Anatomy of the Air Force Medical University. His research interests mainly focus on revealing the central regulatory mechanisms of chronic pain and related negative emotions and cognition changes. His researches have been published in Science, Neuron, Nat Commun, Sci China Life Sci, eLife and J Neurosci, etc.



Yu Fu

fu_yu@imcb.a-star.edu.sg

Senior Principal Investigator and Deputy Director at Institute of Molecular and Cell Biology in Singapore. His lab discovered the physiological role of tuberal nucleus and significantly advanced our understanding of the central neural circuits of feeding regulation. His research has been published in leading journals including Cell, Science, Nat Neurosci and others. Dr. Fu has served on the boards of professional societies, including scientific journals and disease organisations.



Doyun Lee

leedoyun@ibs.re.kr

Senior Research Fellow at the Center for Cognition and Sociality of the Institute for Basic Science (IBS) in South Korea. His research is dedicated to understanding the cognitive processes involved in the formation and retrieval of episodic memory, particularly when it pertains to social information. Together with quantitative behavioral measures, his lab uses multiple state-of-art techniques, including two-photon calcium imaging and Neuropixels recordings, to reveal neural mechanisms that underlie recognition of social identity and associative social memory.



Xiang-Yao Li

Lixiangy@zju.edu.cn

Ph.D, Principal Investigator at Fourth Affiliated Hospital of Zhejiang University School of Medicine. Research in the Xiang-Yao's lab focuses on the transcription and circuit mechanisms of chronic pain and depression. He is particularly interested in the gene transcription basis of the synaptic plasticity changes under chronic pain condition.



Rao Fu

furao5@mail.sysu.edu.cn

Associate Professor, Director of Department of Human Anatomy, Vice Director of neurobiology in School of Medicine, Sun Yat-sen University, China. His research aims to unravel the molecular mechanisms and neural circuits that drive alcohol dependence and affective disorders. His current work is to investigate how brain lipid metabolisms dysfunction links with negative mood associated alcohol addiction.



Yun-Qing Li

deptanat@fmmu.edu.cn

Professor and Director of KK Leung Brain Research Centre of the Air Force Medical University, the President of Chinese Society for Anatomical Sciences (CSAS). His research interests mainly focus on revealing the morphological, molecular, and functional mechanisms underlying nociceptive sensory information transmission and modulation and comorbid with negative emotions, which are necessary and fundamental to treat chronic pain in clinical practice.