

The Taiwan-Germany Joint Symposium on Pain Biology

Sep 2nd - 5th, 2025

Academia Sinica & National Yang Ming Chiao Tung University

台德疼痛生物學研討會

Tuesday, Sep 2nd Venue: B1C Auditorium, IBMS, AS

17:00 - 18:00 Ann-Shyn Chiang 江安世 (National Tsing Hua University, TW)
title: TBA...



Wednesday, Sep 3rd Venue: B1C Auditorium, IBMS, AS

08:30 - 09:00 Symposium warm-up & morning tea

09:00 - 09:10 Opening remarks

09:10 - 10:00 Rohini Kuner (Heidelberg University, DE)
Cortical circuits and mechanisms underlying neurostimulation analgesia



10:00 - 10:30 Chien-Chang Chen 陳建璋 (Academia Sinica, TW)
Role of PVA in regulating sensory and affective aspects of pain

10:30 - 11:00 Norbert Weidner (Heidelberg University Hospital, DE)
Nociceptor-driven spinal cord injury induced neuropathic pain

11:00 - 11:30 Coffee break

11:30 - 12:00 Stefan Lechner (University Medical Center Hamburg-Eppendorf, DE)
Mechanotransduction at the nanoscale

12:00 - 12:30 Wan-Chen Lin 林宛蓁 (Academia Sinica, TW)
Engineered kalium channelrhodopsins for efficient and targeted neuronal inhibition

12:30 - 13:00 Deniela Mauceri (University of Marburg, DE)
Epigenetic control of maladaptive plasticity in chronic pain

13:00 - 14:00 Lunch

14:00 - 14:45 Oral-blitz session

14:45 - 15:30 Poster session & coffee break

15:30 - 16:00 Yu-Wei Wu 吳玉威 (Academia Sinica, TW)
Decoding movement: a data-driven exploration of sensorimotor network dynamics

16:00 - 16:30 Thomas Kuner (Heidelberg University, DE)
Loss of secondary motor cortex neurons in chronic neuropathic pain

16:30 - 17:00 Tsai-Wen Chen 陳摘文 (National Yang Ming Chiao Tung University, TW)
Imaging neuronal voltage beyond the scattering limit

Thursday, Sep 4th

Venue: 1st lecture hall, NYCU

09:00 - 09:50 Chih-Cheng Chen 陳志成 (Academia Sinica, TW)
Neurobiology of Sng



09:50 - 10:20 Shih-Pin Chen 陳世彬 (National Yang Ming Chiao Tung University, TW)
The role of neuroinflammation in the pathogenesis of migraine

10:20 - 10:50 Nurcan Üçeyler (University Hospital Würzburg, DE)
Understanding neuropathic pain: from clinical phenotypes to mechanistic insight

10:50 - 11:15 Coffee break

11:15 - 12:00 Oral-blitz session

12:00 - 13:20 Poster session & lunch

Friday, Sep 5th

Venue: 1st lecture hall, NYCU

09:00 - 09:30 Rolf-Detlef Treede (Heidelberg University, DE)
Application of the grading system for "nociplastic pain" in chronic primary and chronic secondary pain conditions

09:30 - 10:00 Wei-Hsin Sun 孫維欣 (National Yang Ming Chiao Tung University, TW)
The phenotypic switch of peripheral neurons drives the onset and persistence of neuropathic pain

10:00 - 10:30 Cheng-Chang Lien 連正章 (National Yang Ming Chiao Tung University, TW)
Modulation of Amygdala Circuits Alleviates Chronic Pain and Emotional Comorbidities

10:30 - 10:50 Short break

10:50 - 11:20 Amit Agarwal (Heidelberg University, DE)
Role of glial adrenergic receptors in modulation of chronic pain

11:20 - 11:50 Kuo-Sheng Lee 李國昇 (Academia Sinica, TW)
All-optical electrophysiology in sensory neurons

11:50 - 12:40 Shuu-Jiun Wang 王署君 (National Yang Ming Chiao Tung University, TW)
Sensory and electrophysiological changes in different migraine phases



12:40 - 13:30 Award & closing remarks

Organizer: 國立陽明交通大學腦科學研究中心 Brain Research Center, National Yang Ming Chiao Tung University 中央研究院神經科學研究計畫 Neuroscience Program of Academia Sinica

Co-organizer: 國家科學及技術委員會補助生命科學研究推動中心 Life Sciences Research Promotion Center, 台灣疼痛研究學會 Taiwan Sng Society, 德國在臺協會 German Institute Taipei,

中央研究院生物醫學科學研究所 Institute of Biomedical Sciences, Academia Sinica, 國立陽明交通大學生命科學院 College of Life Sciences, National Yang Ming Chiao Tung University



國家科學及技術委員會補助
生命科學研究推動中心
Life Sciences Research Promotion Center (LSRPC)

