



Association for the Study of Neurons and Brain Diseases

17th International Conference of Neurons and Brain Diseases

Qingdao, China – September 9-11

Address:

Qingdao Hualan Hotel
No.171 Jinshui Road, Licang District, Qingdao, China.

青岛华澜大酒店
山东省青岛市李沧区金水路 171 号

September 8: Check in

8:30 pm-
Beer and wine reception

All speakers have 20 min talk (highly recommend to prepare not more than 25 slides; ideally use the USB to upload the PPT talks), and 5 min discussion. The time will be controlled tightly by the tough chair. If your talk is too long, there will be NO discussion. If you plan to use your own computer, please bring appropriate connectors.

September 9

Day 1 19 speakers

September 9 (Monday)

8:45-9:00 Registration Coffee and sweets will be provided

9:00-11:05 Section I Memory and idling

Chair: Yutian Wang

Saji K. Sreedharan	Synaptic tagging in memory
Kaoru Inokuchi	Dual roles of idling brain in past and future
Bong-Kiun Kaang	Engram synapse and more

Vadim Bolshakov Synaptic and neuronal mechanisms of fear control: the role of hippocampal-amygdalar interactions

Wuchen Tao The function of GluD1 in the brain

11:00-11:30 Coffee break with local sweets

11:30-1:35 Section II Sensory and neuromodulation

Chair: Hanting Zhuang

Tuck Wah Soong Cav1.2-Filamin A Interaction

Uhtaek Oh Tentonin 3, a mechanosensitive channel with unique structure and gating property

Yun Wang Transcriptomic-Morphological-Functional integration analysis reveals bidirectional modulation of TSPAN8 in axonal regeneration among various subtypes of primary sensory

Xu Zhang Parallel ascending spino-olivary pathways for sensorimotor transformation

Yulong Li Spying on neuromodulation in vivo by constructing multicolor genetically-encoded GRAB sensors

1:35-2:30 Lunch break

2:30-5:00 Section V Translational medicine and brain diseases

Chair: Bong-Kiun Kaang

Tian-Ming Gao ATP signalling and depression

Satoshi Kida Roles of cAMP signaling pathway in PTSD

Min Zhuo ACC and AC1: past, now and future

Yutian Wang Peptide-mediated protein degradation – research tools and therapeutic applications

QI Wan A synthetic BBB-permeable tripeptide confers neuroprotection by increasing glycine in the ischemic brain

Ekaterina Pchitskaya 3D dendritic spines shape and endoplasmic reticulum function analysis in the normal and Alzheimer's disease modeling neurons

5:00-5:30 Coffee break

5:30-6:10 Young Speaker Section VI

Chair: Xuhui Li

Joo Young Kim Astrocyte-engram neuron interplay in memory

Yongmin Sung Longitudinal two-photon imaging of engram synapses across memory state in vivo

6:10-7:30 Wine reception and posters

7:30 Dinner

September 10

Day 2 9 speakers

8:30-11:00 Section III Memory and related diseases

Chair: Satoshi Kida

Zhengping Jia	Molecular mechanisms of synaptic plasticity and memory
Huan Ma	Genetically Programmed Region-Specific LTP of SST Inhibitory Interneurons and Its Role in Memory Discrimination
Yong Seok Lee	Cerebellar output projection involved in classical fear conditioning
Wei Lu	Inhibitory cortical ensemble gates remote memory retrieval
Dongmin Yin	mRNA acetylation regulates learning and memory
Zhuo Huang	Termination of convulsion seizures by destabilizing and perturbing seizure memory

11:00-11:30 Coffee break with local sweets

11:30 -1:10 Section IV Pain and plasticity

Chair: Longjun Wu

Tao Chen	Synaptic plasticity in the cortex for the regulation of pain
Ceng Luo	Neuroplasticity in chronic pain and comorbid affective disorders
Guangyin Xu	Purinergic receptors and chronic pain
Li Hu	Neuronal Mechanisms of Nociceptive-evoked Gamma-band Oscillations

1:10-9:00 Lunch and Discussion/Social activity

September 11

Day 3 15 speakers

8:30-10:35 Section VII Pain and cortical network

Chair: Guangyin Xu

Qian Song	A Closed ACC-VTA-ACC Feedback Loop Mediates the Neuropathic Pain and emotion
Xuhui Li	Increased GluK1 receptors in corticostriatal projection from the ACC contributed to seizure
Yadong Li	ACC projections to the dorsal medial striatum underlie insomnia associated with chronic pain
Xiangyao Li	The role of retrosplenial cortex in the pain regulation
Kiyofumi Yamamoto	P2X receptor- and postsynaptic NMDA receptor-mediated long-lasting potentiation of inhibitory synapses in the insular cortex

10:35-11:05 Coffee break with local sweets

11:05-1:35 Section VIII Glia, neurons and diseases

Chair: Tsuyoshi Miyakawa

Longjun Wu	Microglial P2Y6 calcium signaling promotes phagocytosis and neuroimmune responses
Olga Vlasova	Optogenetic stimulation of metabotropic astrocytes receptors restores cognitive functions in mice with Alzheimer's disease model
Hang Zhou	Synaptic configuration determines branch-specific synaptic computations of dendrites

Meewhi Kim	Potential direct role of synuclein in DA transport and its implications for PD pathogenesis
Fujun Luo	A brainstem circuit controls cough and cough hypersensitivity in mice
Hanting Zhang	TBD: drinking and brain?

1:35-2:30 Lunch break

2:30-4:35 Section IX Brain disorders

Chair: Bao Lang

Ilya Bezprozvanny	Targeting ER signaling proteins for treating neurodegeneration
Shuang Qiu	The insular cortex and feeding behavior
Yu Zhou	GHS-R1a Deficiency enhances memory and rescues AD-associated memory deficits
Minggao Zhao	Central functions of estrogen membrane receptor GPR30
Tsuyoshi Miyakawa	Disorders involving cognitive impairment

4:35-5:00 Coffee Break

5:00-6:00 AND business meeting: 18th AND meeting (2025)

Mol Brain (Kaang) – Salute T. Miyakawa

Mol Pain (Min)

Hello Bio

Poster awards

Investigator awards

7:00-... Banquet Dinner

Classic AND Party after dinner