

SCIENTIFIC PROGRAM

23 June 2017 – 24 June 2017

Synaptic Development, Signalling and Neuro-disorders

Date: 23 June 2017 (Friday)

Lecture Theater – G (Lift 25/26)

8:30 am – 12:00 noon	Registration (<i>Outside LT-G</i>)
9:00 am – 9:10 am	Opening
9:10 am – 10:10 am	<i>Morning Session Chair: Prof. Lin Mei</i> Plenary Speaker Speaker: Prof. Li-Huei Tsai <i>Massachusetts Institute of Technology</i> “Bringing gamma back: using sensory stimulation to ameliorate Alzheimer’s disease pathology”
10:10 am – 10:50 am	Speaker: Prof. Lin Mei <i>Augusta University</i> “Neuregulin 1-ErbB4 regulation of attention by maintaining E/I balance”
10:50 am – 11:10 am	Coffee Break / Photo-taking
11:10 am – 11:50 am	Speaker: Prof. Kai Liu <i>The Hong Kong University of Science and Technology</i> “The role of mTOR signalling in the axon regeneration”
11:50 am – 12:30 pm	Speaker: Prof. Yasunori Hayashi <i>Kyoto University</i> “A positive feedback mechanism supporting hippocampal LTP”
12:30 pm – 2:00 pm	Lunch

Afternoon Session Chair: Prof. Hongjun Song

2:00 pm – 3:00 pm

Plenary Speaker

Speaker: Prof. John Kuriyan
University of California, Berkeley

“Deconstructing the Ras Signaling Switch Through Saturation Mutagenesis”

3:00 pm – 3:40 pm

Speaker: Prof. Hongjun Song
Johns Hopkins University / University of Pennsylvania

“Mechanism-based pharmacological rescue in models of psychiatric disorders”

3:40 pm – 4:20 pm

Speaker: Prof. Eunjoon Kim
Korea Advanced Institute of Science and Technology (KAIST)

“NMDA receptor dysfunction in autism spectrum disorders”

4:20 pm – 4:40 pm

Coffee Break

4:40 pm – 5:20 pm

Speaker: Prof. Ryohei Yasuda
Max Planck Florida Institute of Neuroscience

“Biochemical computation in single dendritic spines”

5:20 pm – 6:00 pm

Speaker: Dr. Menglong Zeng
The Hong Kong University of Science and Technology

“Phase-transition mediated PSD formation and regulation”

6:30 pm – 8:00 pm

Conference Dinner

Date: 24 June 2017 (Saturday)

Lecture Theater – G (Lift 25/26)

9:00 am – 2:00 pm

**Scientific Advisory Board Meeting of AoE program
(Free Morning for the Speakers)**

2:00 pm – 3:00 pm

Afternoon Session Chair: Prof. Guoli Ming

Plenary Speaker

Speaker: Prof. Liquun Luo

Stanford University

“Genetic Dissection of Neural Circuit Assembly and
Organization”

3:00 pm – 3:40 pm

Speaker: Prof. Guoli Ming

Johns Hopkins University / University of Pennsylvania

“Modeling neurodevelopmental disorders using human
iPSCs”

3:40 pm – 4:20 pm

Speaker: Prof. Wen Cheng Xiong

Augusta University

“Retromer-Deficiency and Neurodegenerative Disorders”

4:20 pm – 4:40 pm

Coffee Break

4:40 pm – 5:20 pm

Speaker: Prof. You-Ming Lu

Huazhong University of Science and Technology

“Cholinergic Regulation of Neuronal Survival and Spatial
Memory”

5:20 pm – 6:00 pm

Speaker: Prof. Jiguang Wang

The Hong Kong University of Science and Technology

“Spatiotemporal modeling of cancer evolution informs
precision medicine in brain tumors”

6:30 pm – 10:00 pm

Dinner