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 (Outside LT-G)

9:00 am – 9:10 am Opening

Morning Session Chair: Prof. Lin Mei
Plenary Speaker

Speaker: Prof. Li-Huei Tsai
Massachusetts Institute of Technology

“Bringing gamma back: using sensory stimulation to ameliorate Alzheimer’s disease pathology”

9:10 am – 10:10 am Speaker: Prof. Lin Mei
Augusta University

“Neuregulin 1-ErbB4 regulation of attention by maintaining E/I balance”

10:10 am – 10:50 am Coffee Break / Photo-taking

10:50 am – 11:10 am Speaker: Prof. Kai Liu
The Hong Kong University of Science and Technology

“The role of mTOR signalling in the axon regeneration”

11:10 am – 11:50 am Speaker: Prof. Yasunori Hayashi
Kyoto University

“A positive feedback mechanism supporting hippocampal LTP”

11:50 am – 12:30 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)

Afternoon Session Chair: Prof. Guoli Ming
Plenary Speaker

Speaker: Prof. Liqun Luo
Stanford University
“Genetic Dissection of Neural Circuit Assembly and Organization”

2:00 pm – 3:00 pm
Speaker: Prof. Guoli Ming
Johns Hopkins University / University of Pennsylvania
“Modeling neurodevelopmental disorders using human iPSCs”

3:00 pm – 3:40 pm
Speaker: Prof. Wen Cheng Xiong
Augusta University
“Retromer-Deficiency and Neurodegenerative Disorders”

3:40 pm – 4:20 pm
Speaker: Prof. You-Ming Lu
Huazhong University of Science and Technology
“Cholinergic Regulation of Neuronal Survival and Spatial Memory”

4:20 pm – 4:40 pm
Coffee Break

4:40 pm – 5:20 pm
Speaker: Prof. Jiguang Wang
The Hong Kong University of Science and Technology
“Spatiotemporal modeling of cancer evolution informs precision medicine in brain tumors”

5:30 pm – 6:00 pm
Dinner