

## 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	<b>Registration</b> ( <i>Outside LT-G</i> )
9:00 am – 9:10 am	<b>Opening</b>
9:10 am – 10:10 am	<i>Morning Session Chair: Prof. Lin Mei</i> <b>Plenary Speaker</b>  <b>Speaker: Prof. Li-Huei Tsai</b> <i>Massachusetts Institute of Technology</i>  “Bringing gamma back: using sensory stimulation to ameliorate Alzheimer’s disease pathology”
10:10 am – 10:50 am	<b>Speaker: Prof. Lin Mei</b> <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	<b>Speaker: Prof. Kai Liu</b> <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	<b>Speaker: Prof. Yasunori Hayashi</b> <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