

**Neuroscience Symposium 2016
&
Annual Scientific Conference of
The Hong Kong Society of Neurosciences**

**Nature and Nurture in
Brain Functions**

18 May 2016 (Wednesday)

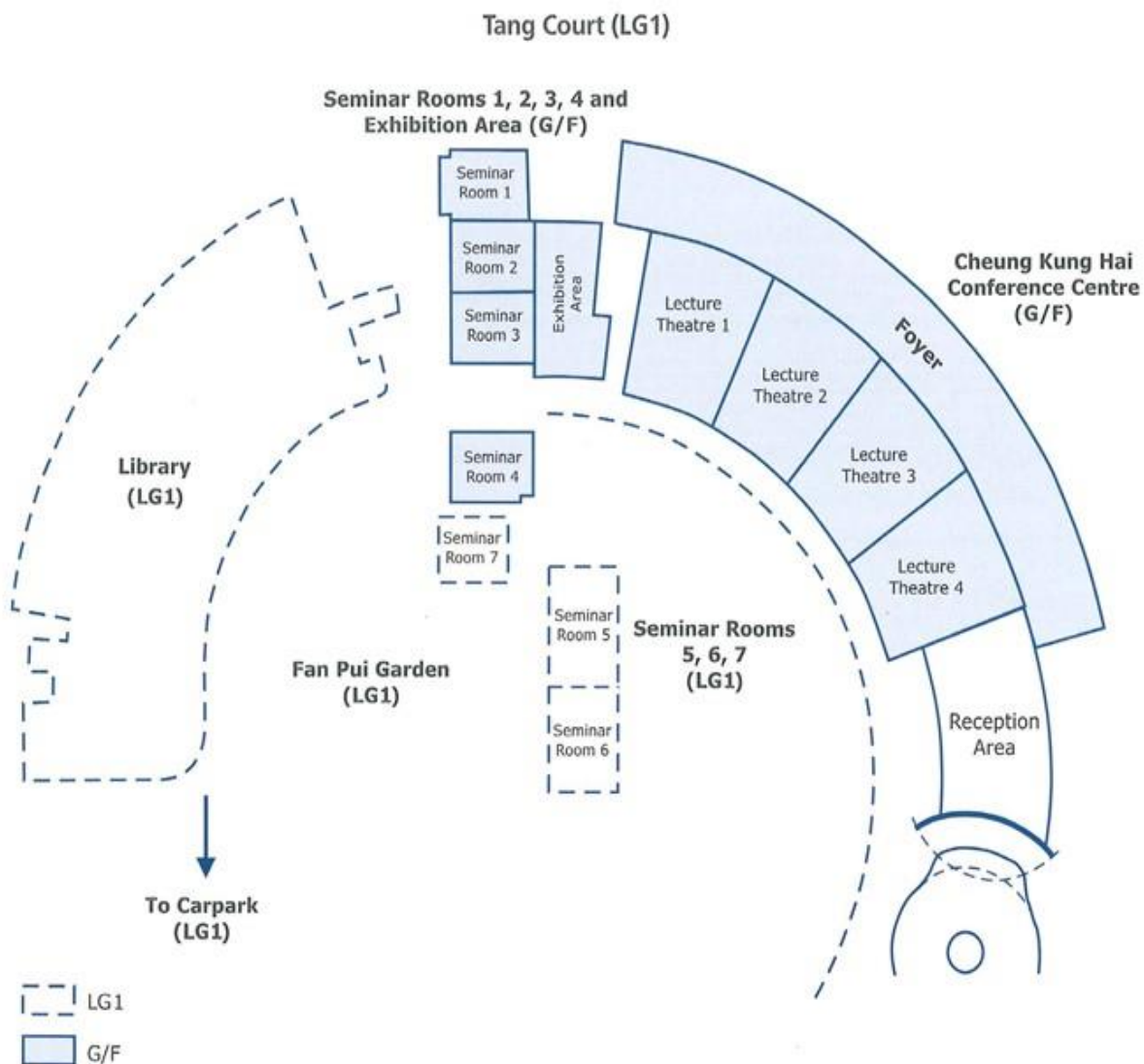
**Cheung Kung Hai Conference Centre
Faculty of Medicine Building
The University of Hong Kong**



Organized by:
HKU State Key Laboratory of Brain and Cognitive Sciences
HKU Strategic Research Theme on Neuroscience
HKU Neuroscience Research Centre
HKU School of Biomedical Sciences
The Hong Kong Society of Neurosciences



Symposium Venues



Lecture Theatres 1-4: Cheung Kung Hai Conference Centre, G/F, William MW Mong Block

Seminar Rooms 1-3: G/F, Laboratory Block

Exhibition Area: G/F, Laboratory Block

Meeting information

Date: 18th May 2016

Venue: Cheung Kung Hai Conference Centre, Faculty of Medicine Building
The University of Hong Kong, 21 Sassoon Road, Pokfulam, Hong Kong

Official Language: English

Meeting Secretariat:

Mr. Kenny Leung

School of Biomedical Sciences, The University of Hong Kong

21 Sassoon Road, Pokfulam, Hong Kong

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Poster Presentations:

Size: within 90cm (w) x 130cm (h)

Presentation time: session I (12:50-1:50pm): presenters of posters with odd numbers
session II (3:20-4:20pm): presenters of posters with even numbers

Scientific Programme

- 8:00 – 8:30 am **Registration (Centre Lobby) & Poster Posting (Exhibition Area)**
- SKL Neuroscience Symposium***
- 8:30 – 8:45 am **Welcome Address** at LT2
- 8:45 – 9:20 am **Plenary Lecture I** at LT2
Chairperson:
SHAM Pak Chung, The University of Hong Kong
- Speaker:
TAM Patrick (*PL1*)
Embryology Unit, Children’s Medical Research Institute and School of Medical Sciences, Sydney Medical School, University of Sydney, New South Wales, Australia.
- Title:
Early development of embryonic brain: Impact of WNT signalling activity
- 9:20 – 9:55 am **Plenary Lecture II** at LT2
Chairperson:
YUNG Wing-Ho, The Chinese University of Hong Kong
- Speaker:
DAN Yang (*PL2*)
Howard Hughes Medical Institute, Department of Molecular and Cell Biology, University of California, Berkeley, USA.
- Title:
Neural Circuits Controlling Sleep
- 9:55 – 10:25 am **Coffee/Tea Break and Exhibition Booth Viewing**

10:25 am	Symposium I	at LT2
	<u>Chairpersons:</u> KE Ya, The Chinese University of Hong Kong YUNG Ken Kin Lam, Hong Kong Baptist University	
10:25 – 10:45 am	<u>Invited Speakers:</u> CHANG Wing Chung, The University of Hong Kong (S1) <i>Reinforcement learning deficits in patients with first-episode schizophrenia-spectrum disorder</i>	
10:45 – 11:05 am	CHEUNG Vincent Chi Kwan, The Chinese University of Hong Kong (S2) <i>Mechanisms of muscle coordination and their implications for neurorehabilitation</i>	
11:05 – 11:25 am	LI Miaoxin, The University of Hong Kong (S3) <i>Revisit associated genes of Schizophrenia in an existing whole-genome meta-analysis dataset</i>	
11:25 – 11:45 am	SCHNUPP Jan, City University of Hong Kong (S4) <i>Coding for multiple features of complex sounds: sound source pitch, timbre, and location</i>	
11:45 – 12:20 pm	Plenary Lecture III	at LT2
	<u>Chairperson:</u> CHAN Ying-Shing, The University of Hong Kong	
	<u>Speaker:</u> YAU King-Wai (PL3) The Solomon H. Snyder Department of Neuroscience, Johns Hopkins University, USA	
	<u>Title:</u> <i>Physical/Biochemical Limitations in Visual and Olfactory Transductions</i>	
12:20 – 12:50 pm	Lunch & Poster Posting	
12:50 – 1:50 pm	Poster Session I (odd numbers)	at Exhibition Area

Annual Scientific Conference of the Hong Kong Society of Neurosciences

1:50 – 2:00 pm	Hong Kong Society of Neurosciences Opening	at LT2
2:00 pm	Symposium II	at LT2
	<u>Chairpersons:</u> LAI Kwok-On, The University of Hong Kong MA Eddie Chi Him, City University of Hong Kong	
	<u>Invited Speakers:</u>	
2:00 – 2:20 pm	PARK HYOKEUN, Hong Kong University of Science and Technology (S5) <i>Synaptic Dysfunction in a Huntington's disease</i>	
2:20 – 2:40 pm	LAU Geoffrey, City University of Hong Kong (S6) <i>Regulation of parvalbumin inhibitory circuit function by TrkB signaling</i>	
2:40 – 3:00 pm	YAU SONATA SUK YU, Hong Kong Polytechnic University (S7) <i>Chronic minocycline treatment improves hippocampal NMDA receptor function, dendritic atrophy and memory processing in Fragile X Syndrome mice</i>	
3:00 – 3:20 pm	LEE CHI WAI, The University of Hong Kong (S8) <i>Regulation of acetylcholine receptor trafficking in neuromuscular development and disease</i>	
3:20 – 4:20 pm	Coffee/Tea Break & Exhibition Booth Viewing	
3:20 – 4:20 pm	Poster Session II (even numbers)	at Exhibition Area

Young Investigator Oral Presentations (Parallel Sessions)

4:20 pm **Oral Presentations I** at LT2

Chairpersons:

CHANG Raymond Chuen Chung, The University of Hong Kong
PARK HYOKEUN, Hong Kong University of Science and Technology

Speakers:

- 4:20 – 4:30 pm LAU Eva On-Chai, The Chinese University of Hong Kong (**OP1**)
Functional Role of TRPC5 Channels In Aortic Baroreceptors
- 4:30 – 4:40 pm CHONG Chi Ho, The University of Hong Kong (**OP2**)
Lrrc7 mutant mice model developmental emotional dysregulation
- 4:40 – 4:50 pm KWAN Pui Yi, The University of Hong Kong (**OP3**)
The Regulatory Roles of Semaphorin 3A and Chondroitin Sulfates on Perineuronal Nets in the Developing Vestibular Circuitry
- 4:50 – 5:00 pm WALKER Steven, The Chinese University of Hong Kong (**OP4**)
A high throughput screening system for visualizing therapeutic drugs of neurodegenerative diseases
- 5:00 – 5:10 pm TSUI Yat Ping, The University of Hong Kong (**OP5**)
Schwann cells demonstrated lineage plasticity in culture to acquire oligodendrocyte phenotypes
- 5:10 – 5:20 pm CHENG Sally Shuk Yee, The University of Hong Kong (**OP6**)
Differential roles of the ubiquitin-proteasome system and autophagy in experimental models of Alzheimer's disease
- 5:20 – 5:30 pm KUMAR Gajendra, City University of Hong Kong (**OP7**)
Lycium Barbarum Polysaccharides accelerates axonal regeneration after peripheral nerve injury

4:20 pm **Oral Presentations II** at LT3

Chairpersons:

LO Amy Cheuk Yin, The University of Hong Kong
YAU SONATA SUK YU, Hong Kong Polytechnic University

Speakers:

- 4:20 – 4:30 pm JIANG Qiufen, The University of Hong Kong (**OP8**)
Antidepressant reinstates the plasticity in the adult vestibular nucleus
- 4:30 – 4:40 pm CHINE Virendra Bhagawan, City University of Hong Kong (**OP9**)
Protection against paclitaxel-induced peripheral neuropathy by targeted overexpression of human heat shock protein 27 in neurons

- 4:40 – 4:50 pm HUNG Clara Hiu-Ling, The University of Hong Kong (**OP10**)
The Dynamic Mitochondrial Network in Neurodegeneration
- 4:50 – 5:00 pm DUAN Zhigang, The University of Hong Kong (**OP11**)
Kinesin-1 regulates extrasynaptic NMDAR targeting and its reduction can confer neuroprotection
- 5:00 – 5:10 pm WU Ka-Chun, The Chinese University of Hong Kong (**OP12**)
PGC-1 rescues PINK1 deficiency-induced disease phenotypes in a Drosophila model of Parkinson's disease
- 5:10 – 5:20 pm LAI Hei Ming, The University of Hong Kong (**OP13**)
A simple method for all to rapidly evaluate neuronal architectures in situ in three dimensions
- 5:20 – 5:30 pm TETTEH Hannah, City University of Hong Kong (**OP14**)
Synaptic plasticity of interlamellar CA1 network in the hippocampus
- 5:30 – 6:05 pm **Plenary Lecture IV** at LT2
Chairperson:
SHUM Daisy Kwok Yan, The University of Hong Kong
- Speaker:
HÄUSSER Michael (**PL4**)
Wolfson Institute for Biomedical Research, University College London, UK
- Title:
Active dendrites in grid cells
- 6:05 – 6:15 pm **Awards Presentation & Closing Remarks** at LT2