

Ph.D. Course & Symposium, Program

Saturday October 14

10.00-17.00	Social Event: A Day in Beijing
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Sunday October 15

Chair: Dr. Jens NYENGAARD, Aarhus University, Aarhus

10.30 – 10.55	Registration	
11.00 - 11.15	Welcome	Kim Ryun DRASBEK, Head of Educational Programme for SDC Neuroscience and Neuroimaging Center of Functionally Integrative Neuroscience, Aarhus University, Aarhus
11.15 - 12.00	Opening Keynote Lecture	Mu-Ming POO Institute of Neuroscience, Chinese Academy of Sciences, Shanghai Perspectives for the Future: China Brain Project
12.00 - 14.00	<i>Lunch</i>	
14.00 - 14.30	Review lecture 1	Jens MIDTGAARD University of Copenhagen, Copenhagen Neurons, dendrites, synapses & neural information processing: do we know what we are looking for?
14.35 - 15.05	Review lecture 2	Qing-Feng WU Institute of Genetics and Developmental Biology, CAS, Beijing Single-cell Analysis of Neural Stem Cells
15.10 – 15.30	<i>Short break</i>	
15.30 – 16.00	Review lecture 3	Yan YANG Institute of Biophysics, Chinese Academy of Sciences, Beijing Motor control
16.05 – 16.35	Review lecture 4	Jens NYENGAARD Aarhus University, Aarhus A quantitative approach to neuroscience
17.00-17.40	Tai-Chi	Qichao ZHANG Wear casual loose fitting clothes
18.00	<i>Dinner</i>	At the ICC

Monday October 16

Chair: Dr. Zuxiang LIU, Institute of Biophysics, Chinese Academy of Sciences, Beijing

9.00 – 9.45	Lecture 1	Rune BERG University of Copenhagen, Copenhagen Looking into the brain: CLARITY and other methods
9.45 – 10.00	<i>Short break</i>	
10.00 – 10.45	Lecture 2	Ninglong XU Institute of Neuroscience, Chinese Academy of Sciences, Shanghai Information integration in the cortical circuits of perceiving brain
10.45 – 11.15	<i>Coffee break</i>	
11.15 – 12.00	Lecture 3	Filippo Del BENE Institute Curie, Paris Development and function of synaptic lamination in the visual system of zebrafish
12.00 - 13.30:	<i>Lunch</i>	
13.30 – 14.15	Lecture 4	Jiulin DU Institute of Neuroscience, Chinese Academy of Sciences, Shanghai Visualizing mind in a transparent zebrafish brain
14.15 – 14.30	<i>Short break</i>	
14.30 – 15.15	Student study groups	
15.15 – 15.45	<i>Coffee break</i>	
15.45 – 17.15	Q&A / Master class	
18.00	<i>Dinner</i>	At the ICC

Tuesday October 17

Chair: Dr. Jens MIDTGAARD, University of Copenhagen, Copenhagen

9.00 – 9.45	Lecture 5	Saskia de VRIES Allen Brain Institute, Seattle Using the Allen Brain Observatory to explore mouse visual physiology
9.45 – 10.00	<i>Short break</i>	
10.00 – 10.45	Lecture 6	Greg STUART Australian National University, Canberra Dendritic physiology
10.45 – 11.15	<i>Coffee break</i>	
11.15 – 12.00	Lecture 7	Johannes SEELIG CAESAR Institute, Bonn Neural circuits for visuomotor integration in the fly
12.00 – 13.30	<i>Lunch</i>	
13.30 – 14.15	Lecture 8	Rune BERG University of Copenhagen, Copenhagen The one-dimensional brain: ensemble activity in spinal motor networks
14.15 – 14.30	<i>Short break</i>	
14.30 – 15.15	Student study groups	
15.15 – 15.45	<i>Coffee break</i>	
15.45 – 17.15	Q&A / Master class	
18.00	<i>Dinner</i>	At the ICC

Wednesday October 18

Chair: Dr. Kim Ryun DRASBEK, Aarhus University, Aarhus

9.00 – 9.45	Special Lecture 1	Kim KROGSGAARD Managing Director of The Brain Prize, the Lundbeck foundation, Copenhagen The Lundbeck Foundation and the Lundbeck Brain Prize
9.45 – 10.00	<i>Short break</i>	
10.00 – 10.45	Special Lecture 2	Saskia de VRIES Allen Brain Institute, Seattle Big Science, Open Science, Team Science.
10.45 – 11.30	Coffee break & Discussion	
11.30 – 13.00	<i>Lunch</i>	
13.00 -13.45	Lecture 9	Moritz HELMSTAEDTER Max Planck Institute for Brain Research, Frankfurt Cerebral Cortex Connectomics
14.15 - 17.15	Social Event: Visit to The Great Wall of China	
18.00	<i>Dinner</i>	At the ICC

Thursday October 19

Chair: Dr. Qing-Feng WU, Institute of Genetics and Developmental Biology, Chinese Academy of Sciences, Beijing

9.00 – 9.45	Lecture 10	Minmin LUO National Institute of Biological Sciences, Beijing Reward processing by the dorsal raphe
9.45 – 10.00	<i>Short break</i>	
10.00 – 10.45	Keynote Lecture	David KLEINFELD University of California San Diego, San Diego From Behavior to Circuits: Reverse engineering active sensing in the rodent
10.45 – 11.15	<i>Coffee break</i>	
11.15 – 12.00	Lecture 11	Xiaoqun WANG Institute of Biophysics, Chinese Academy of Sciences, Beijing The primate-specific gene TMEM14B marks outer radial glia cells and promotes cortical expansion and folding
12.00 – 13.30	<i>Lunch</i>	
13.30 – 14.15	Lecture 12	Jianyuan SUN Institute of Biophysics, Chinese Academy of Sciences, Beijing Kinetic dissection of synaptic vesicle recycling
14.15 – 14.30	<i>Short break</i>	
14.30 – 15.15	Student study groups	
15.15 – 15.45	<i>Coffee break</i>	
15.45 – 17.15	Q&A / Master class	
18.00	<i>Dinner</i>	At the ICC

Friday October 20

Chair: Dr. Jianyuan SUN, Institute of Biophysics, Chinese Academy of Sciences, Beijing

9.00 – 9.45	Lecture 13	Fabrizio GABBIANI Department of Neuroscience, Baylor College of Medicine, Houston Biophysics of object segmentation in a collision-detecting neuron
9.45 – 10.00	<i>Short break</i>	
10.00 – 10.45	Lecture 14	Zheng WANG Institute of Neuroscience, Chinese Academy of Sciences, Shanghai Translational MRI-based connectomic paradigm: from nonhuman to human primates
10.45 – 11.15	<i>Coffee break</i>	
11.15 – 12.00	Lecture 15	Yury SHYROV Center of Functionally Integrative Neuroscience, Aarhus University, Aarhus Language in the brain: Spatio-temporal configuration of neurolinguistic circuits
12.00 – 13.30	<i>Lunch</i>	
13.30 – 14.15	Student study groups	
14.15 – 14.45	<i>Coffee break</i>	
14.45 – 16.15	Q&A / Master class	
16.15 – 16.30	Closing remarks	