

2014 International Young Scholars Systems and Synthetic Biology Symposium

Beijing, June 23-25, 2014

**Venue: 101 Lecture Hall, Jinguang Life Sciences Building,
School of Life Sciences, Peking University**

(By the east entrance of Peking University, near the intersection of Chengfu Road and
North Zhongguancun Street)

Homepage: <http://cqb.pku.edu.cn/meeting2014/>

Day 1 (June 23, 2014)

Morning Session		
Coordinator: Yuhai TU (涂豫海)		
Time	People	Activities/Title
8:50-9:00	Chao TANG	<i>Opening Remarks</i>
9:00-9:30	Ling-chong YOU	<i>Synthetic Biology and the War On Bugs</i>
9:30-10:00	Cheemeng TAN	<i>The Engineering of Synthetic Biological Systems by Harnessing Functioning Principles of Natural Cells</i>
10:00-10:30	Coffee Break	
Coordinator: Xiaojing YANG (杨晓静)		
10:30-11:00	Nan HAO	<i>Dynamic Signal Processing by Transcription Factors</i>
11:00-11:30	Yi-han LIN	<i>Pulsatile Gene Regulation at the Single-cell Level</i>
11:30-12:00	Qi WANG	<i>In Vitro Reconstitution of B-cell Receptor Proximal Signaling Network</i>
12:00-14:00	Lunch	
Afternoon Session		
Coordinator: Luhua LAI (来鲁华)		
14:00-14:30	Ying LV	<i>Kinetic Analysis of Protein Degradation Using Single-molecule Approaches</i>
14:30-15:00	Tao WU	<i>Protein Engineering for the Study of Protein Ubiquitination</i>
15:00-15:30	Qiang-feng ZHANG	<i>Enabling Techniques for Structural Systems Biology</i>
15:30-16:00	Coffee Break	
Coordinator: Zhirong LIU (刘志荣)		
16:00-16:30	Lin JIANG	<i>Structure-based Computational Approach to Protein Aggregation Diseases</i>
16:30-17:00	Jing YAN	<i>Dendrite Microtubule Polarity: Why and How?</i>
17:00-17:30	Li-heng Cai	<i>A Periciliary Brush Keeps the Human Lung Healthy</i>
18:30	Welcome Dinner	

Day 2 (June 24, 2014)

Morning Session		
Coordinator: Qi OUYANG (欧阳颀)		
Time	People	Activities/Title
9:00-9:30	Hai-yuan YU	<i>Deciphering Human Disease Mutations Through the Atomic-Resolution Protein Interactome Network</i>
9:30-10:00	Gang-qing HU	<i>Systems Biology Approach to Understanding Epigenetic Regulation of Mammalian Cells</i>
10:00-10:30	Coffee Break	
Coordinator: Chunxiong LUO (罗春雄)		
10:30-11:00	Zheng-qing OUYANG	<i>Decoding RNA Regulation</i>
11:00-11:30	Rui ZHANG	<i>Decoding A-to-I RNA Editing Through High-throughput Methods</i>
11:30-12:00	Yu-ping ZHANG	<i>Integrating Diverse Genomics Data to Infer Biological Networks</i>
12:00-14:00	Lunch	
Afternoon Session		
Coordinator: Lin JIANG (江林)		
14:00-14:30	Jia-shun ZHENG	<i>Conservation of Quantitative Phenotype under Evolutionary Rewiring: A Case Study of Metabolic Regulation</i>
14:30-15:00	Bin HE	<i>Evolutionary Loss of Transcription Factor Co-regulation: A Case Study in Yeast</i>
15:00-15:30	Zheng-wei XIE	<i>Early Telomerase Inactivation Accelerates Yeast Aging by Elevating Oxidative Stress and Mitochondrial Dysfunction</i>
15:30-16:00	Coffee Break	
Coordinator: Jian-feng PEI (裴剑锋)		
16:00-16:30	Dong-geng LUO	<i>Spontaneous Activity in Visual System</i>
16:30-17:00	Tao HU	<i>Efficient Coding can Account for the Existence of Sustained-transient Channels in Early Sensory Systems</i>
17:00-17:30	Tong-li ZHANG	<i>One Dynamical Scenario for Chromosome Bi-orientation</i>
18:30	Dinner	

Day 3 (June 25, 2014)

Morning Session		
Coordinator: Chao TANG (汤超)		
Time	People	Activities
9:00-9:30	Qiong YANG	<i>From Molecules to Development: Revealing Simple Rules of Biological Clocks.</i>
9:30-10:00	Cong-hui YOU	<i>Coordination of Bacterial Proteome with Metabolism by cAMP Signaling</i>
10:00-10:30	Coffee Break	
Coordinator: Gang-qing HU (胡岗清)		
10:30-11:00	Fang-yuan DING	<i>Single Molecule Mechanical Sequencing</i>
11:00-11:30	Ping WEI	<i>Using Synthetic Biology Approach to Reprogram Eukaryotic Signaling Networks</i>
11:30-12:00	Feng-zhu XIONG	<i>Systems Biology of Development: Combining Live Imaging and Theoretical Models</i>
12:00-14:00	Lunch	
14:00-17:00	CQB site visiting (Integrated Science Research Center, 4th Floor)	
	Informal Discussion (Rm. 426, 4th floor of ISRC)	