



Beijing Symposium on Systems Properties and Evolution in Cell Signaling

June 25-27 2006, Beijing, China

Tentative Schedule

Sunday	June 25
09:00-09:10	Welcome Remarks (Chao Tang)
<i>Session I</i>	<i>Chairperson: Chao Tang</i>
09:10-10:00	Mark Ptashne (Memorial Sloan-Kettering Cancer Center) Genes and signals
10:00-10:50	Wendell Lim (UCSF) The modular logic of cell signaling systems
10:50-11:10	Coffee Break
11:10-12:00	Jim Ferrell (Stanford U) Bistability, switches, and oscillators
12:00-14:00	Lunch
<i>Session II</i>	<i>Chairperson: Michael Elowitz</i>
14:00-14:50	Mark Goulian (UPenn) Maintaining signal strength and fidelity: the phosphorylation cycle in bacterial two-component systems
14:50-15:40	Yuhai Tu (IBM) Towards quantitative, systems level understanding of bacterial chemotaxis
15:40-16:00	Coffee Break
16:00-16:50	Ned Wingreen (Princeton U) Precise adaptation in <i>E. coli</i> chemotaxis through "assistance neighborhoods"
16:50-17:25	Qi Ouyang (PKU) Model studies of scaffold-dependent mating pathway in yeast
Monday	June 26
<i>Session III</i>	<i>Chairperson: Wendell Lim</i>
09:00-09:50	Michael Levine (UC Berkeley) Evolution of gastrulation gene networks in insect embryos
09:50-10:40	Zhuan Zhou (PKU) The timing of ligand-induced endocytosis of a G-protein coupled receptor in a mammalian sensory neuron
10:40-11:00	Coffee Break
11:00-11:50	Chao Tang (UCSF/PKU) Robustness and modular design of the <i>Drosophila</i> segment polarity network
11:50-13:30	Lunch
13:30-14:30	Poster Session
<i>Session IV</i>	<i>Chairperson: Ned Wingreen</i>
14:30-15:20	Carol Gross (UCSF) Design principles of a stress signaling pathway: How function informs regulation
15:20-16:10	Christopher Viogt (UCSF) Spinning spider silk in salmonella
16:10	Sightseeing

Tuesday	June 27
<i>Session V</i>	Chairperson: Mark Goulian
09:00-09:50	Michael Elowitz (<i>Cal Tech</i>) Transient differentiation at the single-cell level
09:50-10:40	Jindong Han (<i>Institute of Genetics and Developmental Biology, CAS</i>) Network models of breast cancer and aging
10:40-11:00	Coffee Break
11:00-11:50	Hao Li (<i>UCSF</i>) Combinatorial regulation in yeast transcription networks
11:50-14:00	Lunch
<i>Session VI</i>	Chairperson: Hao Li
14:00-14:50	Michael Q Zhang (<i>Cold Spring Harbor Laboratory</i>) Chipping away at the hidden transcriptome: discovery of new class of ncRNAs
14:50-15:25	Yixue Li (<i>Shanghai Center for Bioinformatics Technology</i>) Some system level researches in bioinformatics
15:25-15:45	Coffee Break
15:45-16:20	Yunyu Shi (<i>USTC</i>) Solution structure of Urm1 and its implications for the origin of protein modifiers
16:20-16:55	Luhua Lai (<i>PKU</i>) Finding the best solution for controlling the arachidonic acid metabolic network
16:55-17:00	Closing Remarks (Wendell Lim)