

Day 1 (Aug16, 2015)

Time	Activities/Title
14:00-17:30	Registration
18:00	Welcome Dinner

Day 2 (Aug17, 2015)

Morning Session		
Coordinator: Luhua Lai		
Time	People	Activities/Title
8:50-9:00	Chao Tang	<i>Opening Remarks</i>
9:00-9:40	Chao Tang	<i>Cell Fate Determination</i>
9:40-10:00	Junyan Lu	<i>A Systematic Study of Colitis-Associated Colon Cancer: from Network Modelling to Drug Combinations</i>
10:00-10:20	Minghua Deng	<i>CCLasso: Correlation Inference for Compositional Data through Lasso</i>
10:20-10:40	Coffee Break & Group Photo	
Coordinator: Yuhai Tu		
10:40-11:20	Feroz Papa	<i>Small molecule modulation of the unfolded protein response to treat cell degenerative diseases</i>
11:20-12:00	Yong Chen	<i>Controlling the cellular microenvironment of human pluripotent stem cells with a net of monolayer nanofibers</i>
12:00-14:00	Lunch	

Afternoon Session

Coordinator: Hao Li

14:00-14:40	Hong Qian	<i>Nonlinear stochastic dynamical system (NSDS) description of cell populations with epigenetic switching: Fitness, non-genetic cell state selection, and programmed cell state change</i>
14:40-15:20	Qing Nie	<i>Stochastic Dynamics in Signal Transduction, Stem Cells, and Development</i>
15:20-16:00	Jianhua Xing	<i>Molecular Cooperativity Leads to Monoallelic Olfactory Receptor Expression</i>
16:00-16:20	Yanan Cao	<i>Genomics, mechanisms and therapies for neuroendocrine tumors</i>
16:20-17:30	Coffee Break & Poster Presentation	
18:00	Dinner	

Day 3 (Aug18, 2015)

Morning Session		
Coordinator: Jianhua Xing		
Time	People	Activities/Title
9:00-9:40	Jason W. Locasale	<i>Quantitative biology of glucose and amino acid metabolism in health and disease</i>
9:40-10:20	Ge Yang	<i>Quantitative analysis and modeling of spatial regulation of axonal transport in normal and degenerative neurons</i>
10:20-10:40	Coffee Break	
Coordinator: Feroz Papa		
10:40-11:20	Hao Li	<i>Systems Biology of Aging</i>
11:20-11:40	Wenzhe Ma	<i>Single Molecule Study of Dishevelled upon Wnt Pathway Activation</i>
11:40-12:00	Feng Liu	<i>Towards quantifying the mechanochemical network controlling the polarization and migration of cancer cells</i>
12:00-14:00	Lunch	
Afternoon Session		
Coordinator: Jason Locasale		

14:00-14:40	Zhi Qi	<i>Aligning and repairing broken chromosomes</i>
14:40-15:20	Yuhai Tu	<i>The Free Energy Cost of Accuracy in Biology: Timekeeping and Adaptation</i>
15:20-15:40	Ping Wei	<i>Programmable Oscillatory Signaling Dynamics of a Synthetic NF-κB Pathway in yeast</i>
15:40-16:00	Coffee Break	
Coordinator: Hong Qian		
16:00-16:40	Qi Ouyang	<i>Mutation-induced protein interaction kinetics changes affect apoptotic network dynamic properties and facilitate oncogenesis</i>
16:40-17:00	Lei Zhang	<i>Computation of Transition State and its Applications in Systems Biology</i>
17:00-17:20	Hongli Wang	<i>Oscillations with thermal robustness in small gene circuits</i>
17:20-18:00	CQB site visiting (Integrated Science Research Center, 4th Floor)	
18:30	Dinner	