

Programme

Day 1 (Oct. 19, 2012)

Morning Session Chair: Luhua LAI		
Time	People	Activities
9:00–9:10	Chao TANG Howard LIPSHITZ Yuxin YIN	Opening Remarks
9:10–10:00	Charlie BOONE	<i>The Genetic Landscape of a Cell</i>
10:00–10:20	Coffee Break	
10:20–11:10	Chao TANG	<i>How do yeast cells decide to divide or not to divide</i>
11:10–12:00	Hao LI	<i>Understanding the Molecular Mechanisms of Aging: Modern Approaches to an Ancient Problem</i>
12:00–13:30	Lunch	
Afternoon Session Chair: Howard LIPSHITZ		
13:30–14:20	Yuxin YIN	<i>Network of P53 and PTEN Tumor Suppressors</i>
14:20–15:10	Anne-Claude GINGRAS	<i>Cancer Interactomes: Towards a Dynamic View of Signalling</i>
15:10–15:30	Coffee Break	

15:30–16:20	Qi Ouyang	<i>Nonlinear Dynamics Analysis of P53 Pathway</i>
16:20–17:10	Benjamin BLENCOWE	<i>Systematic Analysis of the Function and Regulation of Alternative Exon Networks</i>
18:30	Dinner	

Day 2 (Oct. 20, 2012)

Morning Session		
Chair: Charlie BOONE		
Time	People	Activities
9:00–9:50	Brenda ANDREWS	<i>From phenotypes to pathways: global exploration of cellular networks using yeast phenomics</i>
9:50–10:40	Minghua DENG	<i>Integrating Phosphorylation Network with Transcriptional Network Reveals Novel Functional Relationships</i>
10:40–11:10	Coffee Break	
11:10–12:00	Timothy HUGHES	<i>Systematic analysis of the sequence specificity of eukaryotic DNA and RNA binding proteins</i>
12:00–14:30	Lunch & Poster Session	
Afternoon Session		
Chair: Qi Ouyang		
14:30–15:20	Qinghua CUI	<i>Understanding the Interactions Between miRNA and Environmental Factors and Their Relationships with Human Disease</i>

15:20–16:10	Zhaolei ZHANG	<i>Evolution and Genetic Variation of microRNA Mediated Gene Regulation in Humans</i>
16:10–16:30	Coffee Break	
16:30–17:20	Yuhai TU	<i>Adaptation: Feedback Control and Its Energy Cost</i>
18:30	Dinner	

Day 3 (Oct. 21, 2012)

Morning Session		
Chair: YuxinYIN		
Time	People	Activities
9:00–9:50	Luhua LAI	<i>Human Arachidonic Acid Metabolic Network Analysis and Drug Discovery</i>
9:50–10:40	Quaid MORRIS	<i>RNA-binding Proteins and their Binding Sites</i>
9:50–11:10	Coffee Break	
11:10–12:00	Jianyuan LUO	<i>Regulation of protein acetylation in DNA repair pathway</i>
12:00–14:30	Lunch & Poster Session	
Afternoon Session		
Chair: Chao TANG		
14:30–15:20	Howard LIPSHITZ	<i>System-wide Analysis of Posttranscriptional Regulation during Early Embryogenesis</i>

15:20–16:10	Fuchou TANG	<i>Tracing the pluripotency of early human embryos and embryonic stem cells by single-cell RNA-Seq analysis</i>
16:10–16:30	Coffee Break	
16:30–17:20	Chi-chung HUI	<i>Genetics of systems biology: the yin and yang of Hedgehog signaling”.</i>
18:30	Dinner	