

# CDCB 2012 PROGRAMME

## November 15 ~ 18, 2012, Hefei, Anhui, China

Conference web: <http://cdc.b.ustc.edu.cn>

Conference coordinator: [zhenguo@ustc.edu.cn](mailto:zhenguo@ustc.edu.cn)

### PRELIMINARY PROGRAMME

#### MEETING VENUE

Life Science Building Auditorium, USTC  
443 Huangshan Road, Hefei 230027

#### ACCOMMODATION FOR SPEAKERS

7+1 Hotel  
438 Huangshan Road, Hefei 230027

### **Thursday, November 15, 2012**

13:00 - 17:30 Registration

18:00 - 18:10 Welcome

#### Plenary Lecture 1 (Chair: Xuebiao YAO)

18:15 - 19:00 Erich Nigg, Biozentrum, University of Basel, Switzerland

*Chromosome Segregation during Cell Division*

19:15 - 21:00 Reception for Speakers

### **Friday, November 16, 2012**

#### Session 1 **CELL DIVISION DYNAMICS & PLASTICITY** (Chair: Erich NIGG)

08:30 - 08:55 Abby Dernburg, UC Berkeley & HHMI, USA

*Chromosome Dynamics during Meiosis in C. elegans*

09:05 - 09:30 Chuanmao Zhang, Peking University, China

*Phosphorylation of Aurora B by CDK1 Regulates the Mitotic Spindle Checkpoint*

09:40 - 10:05 Gohta Goshima, Nagoya University, Japan

*Organization of Spindle Microtubules in Mitosis*

**10:15 - 10:30** *Coffee & Tea Break*

10:30 - 10:55 Chuanhai Fu, Hongkong University, China

*Psr1p Interacts with Sad1p and Mal3p to Establish the Bipolar Spindle*

11:05 - 11:25 Zhen Dou, Hefei National Laboratory for Physical Sciences at Microscale, China

*CDK1 Cooperates with PLK1 to Orchestrate Accurate Kinetochore Attachment*

11:30 - 11:50 Yuejia Huang, Anhui Key Laboratory for Chemical Biology, China

*CENP-E Cooperates with PRC1 in Orchestrating Central Spindle Plasticity*

**12:00 - 13:00** *Lunch and Poster Session*

#### Session 2 **ORGANELLE DYNAMICS & PLASTICITY** (Chair: Xueliang ZHU)

13:00 - 13:25 Meng-Fu Bryan Tsou, Memorial Sloan-Kettering Cancer Center, New York, USA

*The Promoter of Ciliary Gate Assembly*

13:35 - 14:00 Xueliang Zhu, Shanghai Institute of Biological Sciences, China

*Ciliogenesis: A Tale of Tails*

14:10 - 14:35 Gang Dong, Vienna Biocenter, Austria

- Structural Dissection of C. elegans Centriole Assembly*
- 14:45 - 15:10 Guangshuo Ou, Beijing Institute of Biophysics, China
- Construction of a Wormtheater for Understanding C. elegans Development*
- 15:20 - 15:45 Lun-Xiu Qin, Shanghai Zhongshan Hospital, China
- Osteopontin: a Promoter of Hepatocellular Carcinoma Metastasis*
- 15:55 - 16:10 Group Photo & Tea Break**
- Session 3 EPIGENETICS & CHROMATIN PLASTICITY (Chair: Abby DERNBURG)**
- 16:10 - 16:35 Yunyu Shi, University of Science & Technology of China, China
- Structure and Function of PHD Fingers of MOZ Complex*
- 16:45 - 17:10 Gary Karpen, Berkeley Lawrence Laboratory-UC Berkeley, USA
- Dynamic Regulation of Genome Stability in Heterochromatin*
- 17:20 - 17:40 Jianye Zang, Hefei National Laboratory for Physical Sciences at Microscale, China
- Structural Basis for Tetramerization-dependent Gene Repression by Histone Demethylase NO66*
- 17:45 - 18:05 Gang Cai, University of Science & Technology of China, China
- Structural Insights into Chromatin Regulation during Transcription*
- 18:10 - 18:30 Lingluo Chu, Anhui Key Laboratory of Cellular Dynamics, China
- SUV39H1 Orchestrates Centromeric Methylation Dynamics in Mitosis*
- Evening Speaker Dinner at Top Stage (Bus leaves at 18:50 at the Gate)**

## Saturday, November 17, 2012

### Plenary Lecture 2 (Chair: Yunyu SHI)

- 08:30 - 09:15 Hongyuan Chen, Nanjing University, China
- Biomolecular Recognition Based Bioanalytical Technologies and Strategies*

### Session 4 CHEMICAL BIOLOGY & MOLECULAR PROBES (Chair: Haiyan FU)

- 09:30 - 09:55 Haiyan Fu, Emory University, USA
- Targeting Protein-Protein Interaction Networks in Cancer for Small Molecule Modulator Discovery*
- 10:05 - 10:30 Zhong-Yin Zhang, University of Indiana, USA
- Chemical Biology and Therapeutic Potential of Protein Tyrosine Phosphatases*
- 10:40 - 11:00 Gaolin Liang, University of Science & Technology of China, China
- Controlled Enzymatic Assembly of Nanoparticles for Molecular Dynamics*
- 11:05 - 11:25 Xin Zhang, Harvard University/Hefei Institute of Material Sciences
- Using a Small Molecule Inhibitor Prazosin to Study Endosome Sorting and Cytokinesis*
- 11:30 - 11:50 Peng Xia, University of Science & Technology of China, China
- Acetylation of EB1 by PCAF Orchestrates Chromosome Stability in Mitosis*
- 12:00 - 13:00 Lunch**

***Session 5***      ***NEW TECHNOLOGIES (Chair: Zhong-Yin ZHANG)***

- 13:00 - 13:25      Jinsong Li, Shanghai Institute of Biological Sciences, China  
*Generation of Genetically Modified Mice from Androgenetic Haploid ES Cells*
- 13:35 - 14:00      Hanfa Zou, Dalian Institute of Physical Chemistry, China  
*LC-Mass Spectrometry-based Methods for Comprehensive Proteome Analysis*
- 14:10 - 14:30      Changlin Tian, Hefei National Laboratory for Physical Sciences at Microscale, China  
*Unnatural Amino Acid-based NMR for Quantitative Analysis of Phospho-tyrosine*
- 14:35 - 14:55      Ke Ruan, University of Science & Technology of China, China  
*Weak Binders to RhoGEF Probed by NMR Fragment Based Screening*

***15:00- 15:20***      ***Coffee & Tea Break***

***Session 6***      ***CELLULAR PLASTICITY & SIGNALLING (Chair: Yibin KANG)***

- 15:20 - 15:45      Jun-Lin Guan, University of Michigan, USA  
*Analysis of Autophagy Functions in Mouse Models of Breast Cancer*
- 15:55 - 16:20      Shimin Zhao, Fudan University, China  
*Reciprocal Regulation between Metabolism and Signaling*
- 16:30 - 16:55      Guowei Fang, Genentech Inc, USA  
*Targeting DNA Re-replication for Cancer Therapy*
- 17:05 - 17:30      Guohong Hu, Shanghai Institute of Health Sciences, China  
*Identification of Key Mediators of Breast Cancer Metastasis with Integrative Approaches*
- 17:40 - 18:05      Yibin Kang, Princeton University, USA  
*Tumor Plasticity and Reactive Stroma in Breast Cancer Metastasis*
- 18:15 - 18:25      Meeting Wrap-up

***19:00 - 21:00***      ***Dinner in Fine Dining***

**Sunday, November 18, 2012**

***08:00 - 13:00***      ***Departure for Yellow Mountain***