



CAS International Symposium on Developmental Systems Biology



18-20 May 2008, Beijing

The symposium will cover a wide range of topics of systems and computational biology with an emphasis on organism development. Dr. Zhu Chen, the minister of Ministry of Health of China, is the chairman of the Advisor Committee for the Symposium. We welcome you to join us in this exciting event.

Confirmed speakers include:

Michael Levine, UC Berkeley
Wen-Hsiung Li, University of Chicago
Chung-I Wu, University of Chicago
Peer Bork, EMBL-Heidelberg
Steve Cohen, Temasek Life Sciences
Pernille Rorth, Temasek Life Sciences
Keji Zhao, NIH
Bing Ren, UCSD
Michael Cusick, DFCI
Fritz Roth, Harvard Medical School
Amy Keating, MIT
Michael Zhang, CSHL
Nicholas Luscomb, EBI
Nicholas Baker, AECOM
Hao Li, UCSF
Ralph Greenspan, The Neurosci. Inst.
Zhu Chen, Ministry of Health
Jiayang Li, IGDB, CAS
Jiarui Wu, SIBS, CAS
Fuchu He, Fudan University
and more on:

<http://www.genetics.ac.cn/isdsb2008>

Registration Fee:

Foreign attendants:

USD 600

Domestic attendants:

RMB1600

Domestic students:

RMB600

A free sightseeing event is provided for invited speakers and foreign attendants.

Other travel and sightseeing packages are also available.

Paper/Abstract Submission Deadline

Mar 31, 2008

Early Registration Deadline

Mar 15, 2008

Registration Deadline

April 15, 2008

Contact:

Jing-Dong Jackie Han

Tel: 8610-64845843/5797

Fax: 8610-64845797

jdhan@genetics.ac.cn

isdsb2008@genetics.ac.cn

Chaoqun Niu

Tel: 8610-64845797

Fax: 8610-64845797

Yjiaozhang@genetics.ac.cn

Organized by:

The Institute of Genetics and Developmental Biology, CAS
The Institute of Biophysics, CAS

Co-organized by:

Journal of Genetics and Genomics

Sponsored by:

Chinese Academy of Sciences (CAS)
CAS Key Laboratory for Molecular Developmental Biology
National Natural Science Foundation of China



May 18 (Genetic networks and evolution)

Morning

8:30-9:00	Opening speech	Zhu Chen, etc
9:00-9:45	Genetic network in development	Michael Levine (UC Berkeley)
9:45-10:30	System biology of leukemia	Zhu Chen (Ministry of Health)
10:30-10:40	Coffee Break	
10:40-11:25	Evolution of gene expression mode	Wen-Hsiung Li (Chicago U)
11:25-12:10	To be determined	Jiayang Li (CAS, IGDB)

Afternoon

2:00-2:40	The birth and death of <i>Drosophila</i> microRNA	Chung-I Wu (Chicago U)
2:40-3:20	Genetic mechanisms of <i>Drosophila</i> behavior	Ralph Greenspan (Neurosci Inst)
3:20-4:00	Cell migration and guidance mechanisms in <i>Drosophila</i>	Pernille Rorth (TLL)
4:00-4:10	Coffee Break	
4:10-4:40	Modeling <i>Drosophila</i> eye development	Nicholas Baker (AECOM)
4:40-5:05	Transcriptome evolution in primates	Philipp Khaitovich (CAS, ICB)
5:05-5:30	Mammalian embryogenesis network	Sheng Zhong (U Illinois UC)

Evening

7:30-8:00	Studying histological grades of breast cancer with learning machines	Xuegong Zhang (Tsinghua Univ)
8:00-8:45	Writing skills for systems biology	Michael Cusick (Harvard, DFCI)

May 19 (Proteomics, interactome and regulatory networks)

Morning

8:40-9:25	Interactome and human diseases	Marc Vidal/Michael Cusick (DFCI)
9:25-10:10	Liver proteomics	Fuchu He (Fudan Univ)
10:10-10:20	Coffee Break	
10:20-11:05	Human Serum Proteome Associated with Type 2 Diabetes	Jiarui Wu (CAS, SIBS)
11:05-11:50	Global Analysis of Promoters, Enhancers and Insulators in the Human Genome	Bing Ren (UC San Diego)

Afternoon

2:00-2:40	Towards protein networks in space and time	Peer Bork (EMBL-Heidelberg)
2:40-3:20	Regulatory network prediction for human diseases	Michael Zhang (CSHL)
3:20-3:55	Regulatory network	Nicholas Luscomb (EBI)
3:55-4:05	Coffee Break	
4:05-4:35	Interactome of <i>C. elegans</i> embryogenesis	Hui Ge (White Head Inst)
4:35-5:05	Predicting protein-protein interaction interface	Luhua Lai (Peking Univ)
5:05-5:35	To be determined	Jing-Dong Jackie Han (CAS, IGDB)
5:35-6:05	Networks of genomic co-occurrence underlying human influenza evolution	Taijiao Jiang (CAS, IBP)

Evening

7:30-8:15	High performance computing in biomedical sciences	Wei David Chen (IBM)
8:15-8:45	DNA methylation profiling in development and cancer	Jingde Zhu (CAS, SIBS)

May 20 (Epigenetics, noncoding RNAs, metabolomics and bioinformatics)

Morning

8:40-9:25	Function of microRNA	Steven Cohen (TLL)
9:25-10:10	Function and regulation of noncoding RNA	Runsheng Chen (CAS, IBP)
10:10-10:20	Coffee Break	
10:20-11:10	Modification of mammalian chromosomes	Keji Zhao (NIH/NHLBI)
11:10-12:00	Regulation of special ribosomal proteins	Fritz Roth (Harvard Medical School)

Afternoon

1:30-2:10	Measuring, modeling and designing specific bZIP transcription factor interactions	Amy Keating (MIT)
2:10-2:50	Genome Resequencing	Jun Wang (CAS, BGI)
2:50-3:25	To be determined	Yixue Li (CAS, SIBS)
3:25-4:00	To be determined	Terry Gaasterland (UCSD)
4:00-4:10	Coffee Break	
4:10-4:40	Inferring functional linkage between proteins from evolutionary scenario	Zhirong Sun (Tsinghua Univ)
4:40-5:10	dFMRP in small non-coding piRNA pathway	Yongqing Zhang (CAS, IGDB)
5:10-5:40	Predicting PPIs by text mining and Bayesian network	Wei Li (CAS, IGDB)
5:40-6:10	A study of transposable element insertions and their putative functions in plants	Xiujie Wang (CAS, IGDB)