

# **CAS International Symposium on Animal Models of Diseases**

**May 11-13, 2011**

**Beijing, China**



**Organized by**

**The Key Laboratory of Molecular and Developmental Biology, CAS  
Institute of Genetics and Developmental Biology, CAS**

# **CAS International Symposium on Animal Models of Diseases**

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**We gratefully acknowledge generous supports from**

**National Natural Sciences Foundation of China (NSFC)**

**Key Project from Chinese Academy of Sciences (KSCX2-EW-R-05)**

**Key Project for Drug Discovery and Development in China (2009ZX09501-027)**

**Journal of Genetics and Genomics/Genetics Society of China**

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**The Key Laboratory of Molecular and Developmental Biology, IGDB, CAS**

## May 10, Tuesday

10:00–22:00 **Arrival and Check-in**  
19:00 **Dinner and Welcome Reception at Fragrant Hill Hotel**  
**Sponsored By Carl Zeiss Far East Co., Ltd.**

## May 11, Wednesday

7:30–8:30 **Breakfast**

8:30–9:00 Chair: **Weicai Yang**, IGDB, China  
Welcome remarks: **Yongbiao Xue**, IGDB, China

**9:00–12:00 Session I, Monkey Models**  
Chairs: **Xiao-Jiang Li**, Emory University, USA  
**Weizhi Ji**, Kunming Institute of Zoology, CAS

9:00–9:30 **Weizhi Ji**, Kunming Institute of Zoology, CAS  
Primate animal used in study of biomedicine  
9:30–10:00 **Erika Sasaki**, Central Institute for Experimental Animals, Japan  
Establishment of non human primate preclinical study system for regenerative medicine

10:00–10:20 **Coffee/Tea break**

10:20–10:50 **Anthony Chan**, Emory University, USA  
Transgenic monkey model of Huntington's disease  
10:50–11:30 **Olaf Riess and Huu Phuc Nguyen**, University of Tuebingen, Germany  
Transgenic rodent models of neurological disorders  
11:30–12:00 **Xiao-Jiang Li**, Emory University, USA  
Huntington disease pathology in transgenic large animal models

12:00–14:00 **Lunch and Free Time**

**14:00–18:00 Session II, Mouse Models**  
Chairs: **Tian Xu**, Yale University, USA  
**Chuxia Deng**, National Institutes of Health, USA

14:00–14:30 **Xiang Gao**, Nanjing University, China  
A mouse model for studying fetal liver erythropoiesis  
14:30–15:00 **Xiao Yang**, Institute of Biotechnology, Beijing, China  
Smad knockout mice with vascular disease

15:00–15:30	<b>Qi Zhou</b> , Institute of Zoology, CAS TBA
15:30–16:00	<b>Chuxia Deng</b> , National Institutes of Health, USA Knockout mouse models for sirtuins: Genome integrity, metabolism, and cancer
<b>16:00–16:20 Coffee/Tea break</b>	
16:20–16:50	<b>Tian Xu</b> , Yale University, USA TBA
16:50–17:20	<b>Zhugang Wang</b> , Shanghai Research Center for Model Organisms TBA
17:20–17:45	<b>Wei Li</b> , IGDB, CAS Mouse models of albinism: Insights into defects in development and trafficking

#### 18:00 – 22:30 **Dinner and Poster Session**

### May 12, Thursday

7:30–8:30	<b>Breakfast</b>
8:30–12:00	<b>Session III, Pig &amp; Rat Models</b> Chairs: <b>Howard J. Jacob</b> , Medical College of Wisconsin, USA <b>Ning Li</b> , China Agriculture University, China
8:30– 9:00	<b>Lars Bolund</b> , Aarhus University, Denmark Genetic design of pigs as models for dysregulatory disease processes
9:00– 9:30	<b>Liangxue Lai</b> , Guangzhou Institutes of Biomedicine and Health, CAS Genetic modification of pigs for human disease
9:30–10:00	<b>Ning Li</b> , Chinese Agriculture University, China A porcine model for hereditary sensorineural hearing loss
10:00–10:20	<b>Coffee/Tea Break</b>
10:20–10:50	<b>Howard J. Jacob</b> , Medical College of Wisconsin, USA Building better models of human disease using ZFNs
10:50–11:20	<b>Qilong Ying</b> , University of Suthern California, USA Generating new rat models using ES cell-based gene-targeting technologies
11:20–11:50	<b>Chenjian Li</b> , Mount Sinai School of Medicine, USA BAC transgenic rat models for neurodegenerative diseases
12:00– 14:00	<b>Lunch &amp; Free Time</b>

14:00–18:00	<b>Session IV. Mouse &amp; Other Models</b> Chairs: <b>Zhuohua Zhang</b> , Central South University, China <b>Chonglin Yang</b> , IGDB, CAS
14:00–14:30	<b>Zhuohua Zhang</b> , Central South University, China TBA
14:30–14:55	<b>Xun Huang</b> , IGDB, CAS <i>Drosophila</i> models of lipid storage disorders
14:55–15:20	<b>Liguo Zhang</b> , Institute of Biophysics, CAS Humanized mice in biomedical research
15:20–15:45	<b>Yongqing Zhang</b> , IGDB, CAS Synaptic mechanism of mental retardation
15:45–16:10	<b>Coffee/Tea break</b>
16:10–16:35	<b>Chonglin Yang</b> , IGDB, CAS Identification of novel factors antagonizing endocytic organelle fusion in <i>C. elegans</i>
16:35–17:00	<b>Zhiheng Xu</b> , IGDB, CAS The involvement of a new JNK pathway protein complex in brain development
17:00–17:25	<b>Bingyu Mao</b> , Kunming Institute of Zoology, CAS Folate metabolism and neural development in <i>Xenopus</i>
17:25–17:50	<b>Mei Ding</b> , IGDB, CAS Wnt and beyond: axon outgrowth in <i>C. elegans</i>
18:00	<b>Dinner &amp; Free Discussion of Interested Groups</b>

## May 13, Friday

7:30–8:30 **Breakfast**

**8:30–12:00 [Sightseeing in Great Walls or Forbidden City](#)**

*(Attention to the delegates who is interested in the sightseeing should be registered and ready for the shuttle bus in the lobby at 13:30.)*

**14:00 [Departure](#)**

*(Attention to the delegates who is leaving should be registered and ready for the shuttle bus to the Airport in the lobby at 14:00.)*

**Note:** For each talk, please allow for 5 min discussion.