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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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  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

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  **Qi Zhou**, Institute of Zoology, CAS  
TBA  
15:30-16:00  **Chuxia Deng**, National Institutes of Health, USA  
Knockout mouse models for sirtuins: Genome integrity, metabolism, and cancer  
16:00–16:20  **Coffee/Tea break**  
16:20–16:50  **Tian Xu**, Yale University, USA  
TBA  
16:50–17:20  **Zhugang Wang**, Shanghai Research Center for Model Organisms  
TBA  
17:20–17:45  **Wei Li**, 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  **Breakfast**  
8:30–12:00  **Session III, Pig & Rat Models**  
 Chairs:  **Howard J. Jacob**, Medical College of Wisconsin, USA  
   **Ning Li**, China Agriculture University, China  
8:30–9:00  **Lars Bolund**, Aarhus University, Denmark  
Genetic design of pigs as models for dysregulatory disease processes  
9:00–9:30  **Liangxue Lai**, Guangzhou Institutes of Biomedicine and Health, CAS  
Genetic modification of pigs for human disease  
9:30–10:00  **Ning Li**, Chinese Agriculture University, China  
A porcine model for hereditary sensorineural hearing loss  
10:00–10:20  **Coffee/Tea Break**  
10:20–10:50  **Howard J. Jacob**, Medical College of Wisconsin, USA  
Building better models of human disease using ZFNs  
10:50–11:20  **Qilong Ying**, University of Southern California, USA  
Generating new rat models using ES cell-based gene-targeting technologies  
11:20–11:50  **Chenjia Li**, Mount Sinai School of Medicine, USA  
BAC transgenic rat models for neurodegenerative diseases  
12:00–14:00  **Lunch & Free Time**
14:00–18:00  **Session IV. Mouse & Other Models**  
Chairs: **Zhuohua Zhang**, Central South University, China  
       **Chonglin Yang**, IGDB, CAS

14:00–14:30  **Zhuohua Zhang**, Central South University, China  
            TBA

14:30–14:55  **Xun Huang**, IGDB, CAS  
            *Drosophila* models of lipid storage disorders

14:55–15:20  **Liguo Zhang**, Institute of Biophysics, CAS  
            Humanized mice in biomedical research

15:20–15:45  **Yongqing Zhang**, IGDB, CAS  
            TBA

15:45–16:10  **Coffee/Tea break**

16:10–16:35  **Chonglin Yang**, IGDB, CAS  
            TBA

16:35–17:00  **Zhiheng Xu**, IGDB, CAS  
            The involvement of a new JNK pathway protein complex in brain development

17:00–17:25  **Bingyu Mao**, Kunming Institute of Zoology, CAS  
            Folate metabolism and neural development in *Xenopus*

17:25–17:50  **Mei Ding**, IGDB, CAS  
            Wnt and beyond: axon outgrowth in *C. elegans*

18:00  **Dinner & Free Discussion of Interested Groups**

**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.