

China

<http://www.arabidopsis.org/portals/masc/countries/China.jsp>

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Arabidopsis research takes place mainly in the Beijing and Shanghai areas, including Peking University, China Agricultural University, Tsinghua University, and Chinese Academy of Sciences. Funding for *Arabidopsis* research is improving in China as the National Science Foundation of China (NSFC), the main funding agency for basic research, will double its budget in the next five years. On December 3, 2006, more than 200 participants from 20 institutions attended the annual Workshop on *Arabidopsis* Research, held at Shanghai Institutes for Plant Physiology and Ecology, Shanghai.

In June of 2007, the 18th International Conference on *Arabidopsis* Research (ICAR) was held at the Jiuhua Spa and Resort in Beijing, China. Xing Wang Deng, lead conference organizer, is the chair-elect of the Multinational *Arabidopsis* Steering Committee and a member of the North American *Arabidopsis* Steering Committee. Dr. Deng holds a professorship position at Yale University in the U.S. and has extensive interactions and collaborations with scientists in a number of institutions in China. This year's meeting is notable because it is the first time that the ICAR was held in an Asian country. Over 1,350 people attended the conference. Five local institutions jointly organized the conference: the National Institute of Biological Sciences, The Institute of Botany and Institute of Genetics and Developmental Biology of the Chinese Academy of Sciences, Peking University, and China Agricultural University.

Current Research Projects

- In 2006, NSFC granted three key projects to Dr. Lijia Qu (www.pepge.pku.edu.cn/each_lab/biotech/Qu/quindex.htm) of Peking University on auxin metabolism, Dr. Lixin Zhang (http://english.ibcas.ac.cn/info_www/news/detailnewsb.asp?infono=65), Institute of Botany of CAS on photosynthesis, and Dr. Chunpeng Song (www.bio.henu.edu.cn/ReadNews.asp?NewsID=202) of Henan University on ABA signaling, using the *Arabidopsis* model plant.
- To promote group research effort on plant epigenetics, the NSFC funded a team project headed by Dr. Xiaofeng Cao (www.genetics.ac.cn/xywwz/Faculty/CaoXiaofeng.htm) at the Institute of Genetics and Developmental Biology (www.genetics.ac.cn/xywwz/main.html), Beijing.

Chinese *Arabidopsis* research community link:

- Epigenetics
 - Dr. Xiaofeng Cao: microRNA biogenesis (www.genetics.ac.cn/xywwz/Faculty/CaoXiaofeng.htm)
 - Dr. Huishan Guo: microRNA ([www.im.ac.cn/en/new/PI/026E04 Prof Huishan Guo.doc](http://www.im.ac.cn/en/new/PI/026E04/Prof%20Huishan%20Guo.doc))
 - Dr. Xiujie Wang: noncoding RNA (www.genetics.ac.cn/xywwz/Faculty/wangxiujie.htm)
- Hormone signaling
 - Dr. Hongwei Guo: Ethylene signaling (www.bio.pku.edu.cn/collegereview/scholarinfo.jsp?name=guohw)
 - Dr. Xiangdong Fu: GA signaling and development (www.genetics.ac.cn/xywwz/Faculty/fuxiangdong.htm)
 - Dr. Yuxin Fu: Auxin and development (http://cstm.ibcas.ac.cn/HuYuxin_lab_en.htm)
 - Dr. Chuanyou Li: JA signaling and biotic stress (www.genetics.ac.cn/xywwz/Faculty/LiChuanyou.htm)
 - Dr. Lijia Qu: Auxin and leaf development (www.pepge.pku.edu.cn/each_lab/biotech/Qu/quindex.htm)
 - Dr. Qiguang Wen: Ethylene signaling (www.nlpmg.labs.gov.cn/ewenqg.doc)
 - Dr. Hongwei Xue: Auxin and brassinosteroid signaling (www.nlpmg.labs.gov.cn/xhw.html)
 - Dr. Daoxin Xie: Jasmonic acid signaling (www.biosci.tsinghua.edu.cn:8001/english/index.html)
 - Dr. Jianru Zuo: Cytokinin signaling (www.genetics.ac.cn/xywwz/Faculty/ZuoJianru.htm)
- Development

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| Dr. Shunong Bai: | Root development (www.pepge.pku.edu.cn/each_lab/bai_sn/research.htm) |
| Dr. Hai Huang: | Leaf development (www.nlpmg.labs.gov.cn/ehuangh.doc) |
| Dr. Chunming Liu: | Embryogenesis and peptide signaling
(http://cstm.ibcas.ac.cn/LiuChunming_lab_en.htm) |
| Dr. Yongbiao Xue: | Pollen and pollination (http://plantbiol.genetics.ac.cn/the_xue_lab/index.htm) |
| Dr. Weicai Yang: | Female gametogenesis (www.genetics.ac.cn/xywwz/Faculty/YangWeicai.htm) |
| Dr. De Ye: | Pollen development (www.cau.edu.cn/sklppb/sysry/yede.htm) |
| Dr. Dabing Zhang: | Anther development
(http://zhanglab.sjtu.edu.cn/english/index.php?option=com_contact&Itemid=3) |
- Environmental responses

Shouyi Chen:	Salt stress (www.genetics.ac.cn/xywwz/Faculty/ChenShouyi.htm)
Dr. Kang Chong:	Cold response (www.genetics.ac.cn/xywwz/Faculty/ChenShouyi.htm)
Dr. Zhizhong Gong:	Salt stress (www.cau.edu.cn/bio/shizi/gongzhizhong.htm)
Dr. Zhuhua He:	Biotic stress (www.nlpmg.labs.gov.cn/ehezhe.doc)
Dr. Chunpeng Song:	ABA and stress (www.bio.henu.edu.cn/ReadNews.asp?NewsID=202)
Dr. Weihua Wu:	Potassium uptake (www.cau.edu.cn/sklppb/sysry/wuwh.htm)
Dr. Hongquan Yang:	Stomata and light response (www.nlpmg.labs.gov.cn/research_groups.html)
Dr. Lixin Zhang:	Photosynthesis (http://english.ibcas.ac.cn/info_www/news/detailnewsb.asp?infono=65)
Dr. Jianmin Zhou:	Biotic stress (www.nibs.ac.cn/english/index.php?act=view&id=13)

Major funding sources for Arabidopsis functional genomics:

- National Science Foundation of China
83 Shuangqing Road, Haidian District, Beijing 100080, China
www.nsfc.gov.cn/