



## 研究队伍

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### 副研究员

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郝怀庆 副研究员

办公室: 新实验楼W206

电话: 010-62836682

邮箱: hqhao@ibcas.ac.cn

所在研究组: 能源植物分子设计研究组

#### 个人简介:

1994-1998, 山西大学生命科学学院, 生物化学, 本科

1998-2001, 南京师范大学生命科学学院, 硕士

2001-2005, 中国科学院植物研究所, 博士

2005年至今, 中国科学院植物研究所助理研究员, 副研究员

#### 主要研究内容:

1. 植物细胞壁合成及纤维素微丝沉积机理的研究;
2. 植物耐盐相关基因的功能研究

#### 代表论文:

Fan Lusheng, **Hao Huiqing**, Xue Yiqun, Zhang Liang, Song Kai, Ding Zhaojun, Botella MA, Wang Haiyang, Lin Jinxing. Dynamic analysis of Arabidopsis AP2  $\sigma$  subunit reveals a key role in clathrin-mediated endocytosis and plant development. *Development*, 2013, 140 (18): 3826-37.

**Huaiqing Hao**, Chen Tong, Fan Lusheng, Li Ruili, Wang Xiaohua. 2, 6-dichlorobenzonitrile Causes Multiple Effects on Pollen Tube Growth beyond Altering Cellulose Synthesis in *Pinus bungeana* Zucc. *PLOS ONE*, 2013, 8(10), e76660, doi:10.1371/journal.pone.0076660.

Li Peng, Liang Zhang, Xi Cheng, LuSheng Fan, **Huaiqing Hao**\*. Disruption of cellulose synthesis by 2, 6-dichlorobenzonitrile affects the structure of the cytoskeleton and cell wall construction in *Arabidopsis*. *Plant Biology*, 2012, 15: 405-414.

YingLang Wan, Jan Jasik, Li Wang, **Huaiqing Hao**, Dieter Volkmann, Diedrik Menzel, Stefano Mancuso, Frantisek Baluska and Jinxing Lin. The Signal Transducer NPH3 Integrates the Phototropin1 Photosensor with PIN2-Based Polar Auxin Transport in *Arabidopsis* Root Phototropism. *Plant Cell*, 2012, 24: 551-565.

Yu Ling, Chunyu Zhang, Tong Chen, **Huaiqing Hao**, Peng Liu, Ray A. Bressan, Paul M. Hasegawa, Jing Bo Jin, Jinxing Lin. Mutation in SUMO E3 ligase, *SIZ1*, Disrupts the Mature Female Gametophyte in *Arabidopsis*. 2012. *PLOS One*, 7(1): e29470.

Wang YH, Chen T, Zhang CY, **Hao HQ**, Liu P, Zheng MZ, Baluska F, Samaj J and **Lin JX**. Nitric oxide modulates the influx of extracellular  $Ca^{2+}$  and actin filament organization during cell wall construction in *Pinus bungeana* pollen tubes. *New Phytologist*, 2009, 182, 851-862.

**Huaiqing Hao**, Yiqin Li, Yuxi Hu, and Jinxing Lin. Inhibition of RNA and protein synthesis in pollen tube development of *Pinus bungeana* by actinomycin D and cycloheximide. 2005. *New Phytologist*, 165: 721-730.

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