



博士，副教授。2009年获得中国农业大学植物学博士学位；2006–2007年美国加州大学河滨分校访问学者；2013年澳洲昆士兰科技大学访问学者。2009年–今，复旦大学生命科学学院，讲师、副教授。

#### 主要研究方向：

主要从事植物雄蕊发育的调控机制和环境响应的研究。采用分子遗传、细胞生物学、基因组学、蛋白质组学、以及生物信息学等手段，研究花药发育的转录调控、表观遗传调控、细胞-细胞间信号传导、以及环境对生殖发育的作用和机理。作为第一和通讯作者的代表性成果分别发表在 *Current Opinion Plant Biology*, *Plant Cell*, *Molecular Plant*, *Plant Journal* 等期刊上，共计被引用200余次。

#### 第一或通讯作者的主要论文和专著：

1. Zhang S-S., Yang H., Ding L., Song Z-T., Ma H., **Chang F.**\*, Liu J-X.\* (2017) Tissue-Specific Transcriptomics Reveals an Important Role of the Unfolded Protein Response in Maintaining Fertility upon Heat Stress in *Arabidopsis*. *Plant Cell*, doi:10.1105/tpc.16.00916.
2. Cui J., You C., Zhu E., Huang Q., Ma H. \*, **Chang F.**\*. Feedback Regulation of DYT1 by Interactions with Downstream bHLH Factors Promotes DYT1 Nuclear Localization and Anther Development. *Plant Cell* 2016, 28:1078-1093.
3. Zhu E., You C., Wang S., Cui J., Niu B., Wang Y., Qi J., Ma H. \*, **Chang F.**\* (2015) The DYT1-interacting proteins bHLH010, bHLH089, and bHLH091 are redundantly required for *Arabidopsis* anther development and transcriptome. *Plant J.* 83:976-990.
4. Yang H.#, **Chang F.**##, You C., Cui J., Zhu G., L., Zheng Y., Qi J. \*, Ma H.\* (2014) Whole genome DNA methylation patterns and complex associations with gene structure and expression during flower development in *Arabidopsis*. *Plant J.* 81: 268-281.
5. **Chang F.**, Zhang Z., Jin Y., Ma, H. (2013) Cell Biological Analyses of anther morphogenesis and pollen viability in *Arabidopsis* and rice. Flower development: methods and protocols. (book chapter 19)
6. **Chang F.**#, Gu Y.#, Ma H., Yang Z. (2013) AtPRK2 promotes ROP1 activation via phosphorylation of RopGEFs to control polarized pollen tube growth. *Mol. Plant.* 6: 1187-1201.
7. **Chang F.** #, Wang Y. #, Wang S., Ma H. (2011) Molecular control of microsporogenesis in *Arabidopsis*. *Curr. Opin. Plant Biol.* 14:66-73.