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研究方向：

稻瘟病菌与水稻互作机制研究

教育经历：

2012.9-2017.6，南京农业大学，农学博士

2008.9-2012.7，华中农业大学，农学学士

工作经历：

2020.07-至今，南京农业大学植物保护学院，副教授

2019.11-2020.07，南京农业大学植物保护学院，讲师

2017.7-2019.10，南京农业大学植物保护学院，师资博士后

执教课程：

《植物病害诊断》

《农业植物病理学实验》

承担课题：

1. 国家自然科学基金面上项目, 2022-2025, 主持
2. 国家自然科学基金青年基金项目, 31901832, 2020-2022, 主持
3. 江苏省自然科学基金青年基金项目, BK2019054, 2019-2022, 主持
4. 中央高校基本科研业务费专项资金项目, KJQN202008, 2020.1-2020.12, 主持

5. 中国博士后基金第62批面上项目, 2017M621762, 2017-2019, 主持
6. 国家自然科学基金重点项目, 32030091, 2021-2025, 参加
7. 国家自然科学基金国际合作与交流项目, 31861133017, 2019-2021, 参加
8. 国家自然科学基金委员会与国际农业研究磋商组织合作研究项目, 3181101555, 2019-2023, 参加

代表性科研成果

1. **Muxing Liu**, Suobing Zhang, Jiexiong Hu, Wenxian Sun, Jonas Padilla, Yanglan He, Ying Li, Ziyi Yin, Xinyu Liu, Wenhao Wang, Danyu Shen, Dayong Li, Haifeng Zhang, Xiaobo Zheng, Zhongli Cui, Guo-Liang Wang, Ping Wang, Bo Zhou, Zhengguang Zhang*, Phosphorylation-guarded light-harvesting complex II contributes to broad-spectrum blast resistance in rice, *PNAS*, 2019, 116(35): 17572-17577.
2. **Muxing Liu**; Jiexiong Hu; Ao Zhang; Ying Dai; Weizhong Chen; Yanglan He; Haifeng Zhang; Zhengguang Zhang*; Auxilin-like protein MoSwa2 promotes effector secretion and virulence as a clathrin uncoating factor in the rice blast fungus *Magnaporthe oryzae*, *New Phytol*, 2021, 230(2):720-736.
3. Zhongqiang Qi (#), **Muxing Liu** (#), Yanhan Dong, Qian Zhu, Lianwei Li, Bing Li, Jie Yang, Ying Li, Yanyan Ru, Haifeng Zhang, Xiaobo Zheng, Ping Wang, Zhengguang Zhang*, The syntaxin protein (MoSyn8) mediates intracellular trafficking to regulate conidiogenesis and pathogenicity of rice blast fungus, *New Phytol*, 2016, 209(4): 1655-67. (#共同第一作者)
4. **Muxing Liu**, Gillian O Bruni, Christopher M Taylor, Zhengguang Zhang, Ping Wang*, Comparative genome-wide analysis of extracellular small RNAs from the mucormycosis pathogen *Rhizopus delemar*, *Sci Rep*, 2018, 8(1):5243.
5. **Muxing Liu**, Zhengguang Zhang, Chen Ding, Tuo Wang, Ben Kelly, Ping Wang, Transcriptomic analysis of extracellular RNA governed by the endocytic adaptor protein Cin1 of *Cryptococcus deuterogammatum*, *Front Cell Infect Microbiol*, 2020, 10: 256.
6. Jie Yang, **Muxing Liu**, Xinyu Liu, Ziyi Yin, Yi Sun, Haifeng Zhang, Xiaobo Zheng, Ping Wang, Zhengguang Zhang*, Heat-shock proteins MoSsb1, MoSsz1, and MoZuo1 attenuate MoMkk1-mediated cell-wall integrity signaling and are important for growth and pathogenicity of *Magnaporthe Oryzae*, *Mol Plant-Microbe Interact*, 2018, 31(11): 1211-1221.
7. Zhongqiang Qi, **Muxing Liu**, Yanhan Dong, Jie Yang, Haifeng Zhang, Xiaobo Zheng, Zhengguang Zhang*, Orotate phosphoribosyl transferase MoPyr5 is involved in uridine 5'-phosphate synthesis and pathogenesis of *Magnaporthe Oryzae*, *Appl Microbiol Biotechnol*,

2016,100(8): 3655-66.

8. Dandan Zhang, **Muxing Liu**, Mingzhi Tang, Bo Dong, Dianxing Wu, Zhengguang Zhang, Bo Zhou*, Repression of microRNA biogenesis by silencing of OsDCL1 activates the basal resistance to *Magnaporthe Oryzae* in rice, ***Plant Sci***, 2015, 237: 24-32.
9. Zhoukun Li (#), Xianfeng Ye (#), **Muxing Liu**, Chengyao Xia, Lei Zhang, Xue Luo, Ting Wang, Yue Chen, Yuqiang Zhao, Yan Qiao, Yan Huang, Hui Cao, Xiangyang Gu, Jiaqin Fan, Zhongli Cui*, Zhengguang Zhang*, A novel outer membrane β -1,6-glucanase is deployed in the predation of fungi by myxobacteria, ***ISME J***, 2019, 13(9): 2223-2235.
10. Ying Li (#), Xinyu Liu (#), **Muxing Liu**, Yang Wang, Yibin Zou, Yimei You, Lina Yang, Jiexiong Hu, Haifeng Zhang, Xiaobo Zheng, Ping Wang, Zhengguang Zhang*, *Magnaporthe Oryzae* Auxiliary Activity Protein MoAa91 functions as chitin-binding protein to induce appressorium formation on artificial inductive surfaces and Suppress plant immunity, ***mBio***, 2020, 11(2): e03304-19.