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	研究方向:	植物与微生物互作

简历介绍:

李磊, 博士, 研究员, 博士生导师

2010年, 西北农林科技大学学士, 2015年, 中国科学院遗传与发育生物学研究所博士, 2016-2021年于德国马普发育生物学研究所进行博士后研究, 先后获得UCAS-BHPB奖、EMBO博士后奖学金、HFSP 博士后奖学金等。实验室长期致力于植物与微生物互作及植物抗性蛋白的分子机制研究。

研究领域:

研究方向

1. 非典型抗性蛋白的作用机制

植物除了细胞膜上的PRR和细胞内的NLR等典型的抗性蛋白, 还包含多种不同结构类型的抗性蛋白。我们将利用多种手段克隆并研究植物非典型抗性蛋白的激活及调控机制, 试图提高农作物抵抗病害的能力。

2. 植物与真菌互作的分子识别

植物与真菌存在多层面的分子信息交流, 这些分子是如何穿梭及相互识别的, 我们将以拟南芥与炭疽菌为研究模型, 通过遗传学、高通量组学、细胞生物学、生物化学等多种手段深度挖掘植物与真菌之间的信息交流, 解析植物与微生物共进化的分子机制。

课题组将营造开放、自由、平等、超越、交流和独立的科研环境, 欢迎对创新型基础研究感兴趣的学生、博士后及其他科研人员加入。

代表论著:

发表论文:

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