

PhD Research Assistant Position Available in Plant-Microbe Interaction

Plant Pathology Department, The Ohio State University, Columbus, OH, 43210

Supervisor: Dr. Ye Xia, Associate Professor

Description: Conducts projects using a wide range of approaches in biochemistry, genetics, genomics, molecular biology, bioinformatics, metabolomics, and cell biology; studies plant immunity against diverse pathogens and improvement of plant immunity and yield through beneficial microbes from phytobiome by using Arabidopsis and other plants, such as tomato; prepares manuscripts and writes reports; supervises and guides undergraduate in technique/skill training and conducting experiments.

Education requirement:

Master's Degree in plant biology, Plant Pathology, Microbiology, Biochemistry, Molecular Biology, and Genetics.

Experience Desired:

Knowledge and skills in plant immunity, microbial pathogenesis, beneficial microbes, plant-microbe interaction, genomics, phytobiome related study, and evidence of accomplishment in conducting scientific research. Techniques/skills in biochemistry, genetics, molecular biology, and cell biology. Ability to work both independently and in a team. Excellent English communication, reading, and writing skills. Requires successful completion of a criminal background check.

English proficiency: Test (TOEFL or IELTS) is required for non-native English-speaking international applicants. GRE is optional for all the students.

Benefits: Professional training, tuition waiver, and full stipend.

Applications: Submit complete application in single one PDF including (1) cover letter, (2) curriculum vitae, and (3) contact information of three references to Dr. Ye Xia (xia.374@osu.edu). The deadline of a full consideration for the enrollment of Fall 2022 will be Jan 31st, 2022. Review of applications will begin right way and continue until a successful candidate is identified. Please review <https://plantpath.osu.edu/gradapply> for more details about the application process.

