Postdoctoral Research Associate Positions Available in Plant-Microbe Interaction
Plant Pathology Department, Ohio State University, Columbus, OH, 43210

For Postdoctor Position
Term: 2 years, and renewable upon satisfactory performance and availability of funds.
Full Time: 24 months
Reports to: 00054263 Assistant Professor
Supervisor: Ye Xia (300003188)
Salary: Around $35,000-$37,000 plus benefit

Description: Conducts experiments using a wide range of approaches in biochemistry, genetics, genomics, molecular biology, bioinformatics, metabolomics, and cell biology; studies plant surface (cell wall and cuticle)-mediated plant immunity against diverse pathogens as well as improvement of plant immunity and yield through beneficial microbes from phytobiome by using Arabidopsis and other model plants; prepares manuscripts and writes grants; supervises and guides undergraduate and graduate students and a technician in technique/skill training and conducting experiments.

70% conducts experiments using a wide range of approaches in biochemistry, genetics, genomics, molecular biology, bioinformatics, metabolomics, and cell biology; studies plant surface (cell wall and cuticle)-mediated plant immunity against diverse pathogens as well as improvement of plant immunity and yield through beneficial microbes from phytobiome by using Arabidopsis and other model plants;

20% prepares manuscripts and writes grants;

10% supervises and guides undergraduate and graduate students and a technician in technique/skill training and conducting experiments.

Education:
Ph.D. in Plant Biology, Plant Pathology, Microbiology, Biochemistry, Molecular Biology, and Genetics.

Experience:

Required:
Knowledge and skills in plant immunity, microbial pathogenesis, beneficial microbes, plant-microbe interaction, 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.

**Desired:**

Experiences with next-generation sequencing, genomics, bioinformatics, metagenomics, and metabolomics.

Requires successful completion of a criminal background check.

**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). Review of applications will begin right way and continue until a successful candidate is identified.

**Also a Ph.D Research Assistant Position is available for Spring, 2016 in the related field.**

Please see more research information on http://plantpath.osu.edu/our-people/ye-xia
And get more application information on http://plantpath.osu.edu/future-students/graduate-application