Postdoctoral Research Associate Position Available Immediately in Plant-Microbe Interaction
Plant Pathology Department, Ohio State University, Columbus, OH, 43210
**Term:** up to 2 years, and renewable upon satisfactory performance and availability of funds.
**Full Time**
**Supervisor:** Dr. Ye Xia (web link http://plantpath.osu.edu/our-people/ye-xia)

**Description:** Conducts experiments using a wide range of approaches in biochemistry, genetics, genomics, molecular biology, bioinformatics, metagenomics, 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% Designs and conducts experiments using a wide range of approaches in biochemistry, genetics, genomics, molecular biology, bioinformatics, metabolomics, metagenomics, 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/Molecular Biology, Ph.D. in Plant Pathology (392), Ph.D in Microbiology

**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. Self motivated person and ability to work efficiently.
Desired:

Experience 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 including your research interest and career goals, (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.