



UNIVERSITY OF GEORGIA

POSTDOCTORAL RESEARCH ASSOCIATE Antifungal Resistance in Plant-Associated Human Pathogens

POSITION DESCRIPTION: This is a USDA NIFA AMR-funded postdoctoral position (<https://nifa.usda.gov/antimicrobial-resistance>) in the Department of Plant Pathology and associated with the Fungal Biology Group (<http://research.franklin.uga.edu/fungi/>) that will focus on understanding antifungal resistance of human pathogens in agricultural environments.

MAJOR RESPONSIBILITIES: This position will involve complementary molecular and field work combining environmental detection, molecular diagnostics, mechanisms of antifungal resistance, and fungal evolution. Projects include developing assays for the rapid molecular detection of azole-resistant *Aspergillus fumigatus* in environmental samples, identifying agricultural environments conducive to azole resistance development, and determining fitness costs of azole resistance in *A. fumigatus* in the environment. The candidate will be expected to communicate regularly with the PI, as well as present results to the scientific community and for publication in peer-reviewed journals. The candidate may also be involved in training of graduate students, undergraduate students, and other researchers in the lab on methods and techniques as needed.

QUALIFICATIONS: Doctorate in Plant Pathology, Microbiology, Genetics, Biology or a related field. Field experience and research experience in molecular genetics or diagnostics and fungal or other microbial systems is preferred. Demonstrated oral and written communication skills is preferred. This position will require the ability to carry out field work under various environmental conditions, and standard laboratory and greenhouse work. Travel to field sites will be required.

COMPENSATION: The successful candidate will receive a salary of \$50,000 with generous benefits (<https://postdocs.uga.edu/#1512663872870-9c364c66-a0b7>). Anticipated funding for this position is for at least two and a half years, but is dependent upon satisfactory performance at the end of the first year. The estimated starting date is late-summer or fall 2019 (negotiable).

APPLICATION PROCEDURE: To apply, all candidates must submit an application through <https://www.ugajobsearch.com/postings/85774> (posting number G/R02385P). Qualified candidates must upload a cover letter detailing qualifications and skills, a curriculum vitae or resume, and contact information for three professional references. Review of applications will begin July 1 and continue until the position is filled. For further information please contact Dr. Marin Brewer (mtbrewer@uga.edu).

INSTITUTIONAL INFORMATION: UGA, a Land/Sea Grant institution located 70 miles northeast of Atlanta, is ranked 13th among public universities in the U.S. News & World Report's 2019 edition of America's Best Colleges. The Department of Plant Pathology encompasses a broad range of disciplines and has historical strengths in mycology, plant disease epidemiology, disease management and plant-associated microbiology. UGA offers a vibrant research environment with faculty across the fungal (<http://research.franklin.uga.edu/fungi/>) and plant sciences (<https://plantcenter.uga.edu/>). Athens, GA, is consistently ranked highly for its quality of life and vibrant culture (<https://www.visitathensga.com>), while maintaining a low cost of living.

UGA is an EEO/AA/Vet/Disability Institution. As such, we are especially interested in candidates who can contribute to the diversity and excellence of the academic community. We not only strongly encourage women, minorities and other diverse candidates to consider applying for this position, but we also maintain that all candidates should share our commitment to diversity and inclusion. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, gender identity, sexual orientation or protected veteran status.