



College of Agricultural and Environmental Sciences

Department of Plant Pathology

The Dutta's Vegetable Research and Extension Research Program in the Department of Plant Pathology at CAES invites **applications for a Post-Doctoral Associate position** focused on advancing research in bacterial diseases of economically important vegetable crops. The successful candidate will contribute to innovative research on bacterial pathogens affecting **cucurbits, onions, and brassicas**, integrating comparative genomics, transcriptomics, proteomics, and multi-omics approaches to understand pathogen virulence and develop practical solutions for disease diagnosis, resistance screening, and sustainable crop protection. This position offers opportunities **to address critical challenges in vegetable production** by investigating interactions among pathogens, agricultural practices, environmental factors, and inoculum sources, while developing strategies that support plant health and beneficial microbial communities.

Key Responsibilities

- Conduct independent and collaborative research in managing bacterial diseases on vegetable crops
- Apply multi-omics approaches to investigate pathogen biology and virulence of bacterial pathogens affecting cucurbits, onions, and brassicas
- Develop diagnostic assays and host- resistance screening tools for bacterial pathogens
- Analyze complex biological datasets and communicate findings
- Publish in peer-reviewed journals and present at scientific meetings
- Contribute to regional and federal grant proposal development
- Mentor students and engage with growers, industry, and research collaborators

What We Offer

- High-impact research with real-world agricultural applications
- Access to modern molecular, genomic, and plant pathology facilities
- Collaborative and interdisciplinary research environment
- Professional development through publications, mentoring, and grant proposal writing
- Opportunities for stakeholder engagement and translational research

Ideal Candidate

Applicants should have a Ph.D. in Plant Pathology with a strong background and proven track record in bacteriology. Candidates with Ph.D. in microbiology, with demonstrated experience in independent research, scientific communication, and collaborative team environments are also encouraged.

Postdoctoral researchers interested in joining our lab are encouraged to submit following materials via email to bhabesh@uga.edu. The application package should contain a one-page research statement/cover letter, a brief CV, and contact information for three references are required.