



UNIVERSITY OF MARYLAND

SCIENCES

COLLEGE OF COMPUTER, MATHEMATICAL AND NATURAL

DEPARTMENT OF ENTOMOLOGY

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www.entomology.umd.edu

POSTDOCTORAL RESEARCH ASSOCIATE

Supervisor: Dr. Kelly Hamby

Salary: \$47,500 plus university benefits (<https://ehr.umd.edu/benefits/>)

For more information about the lab visit <https://hambylab.weebly.com>

POSITION DESCRIPTION: A postdoctoral position is available within the Department of Entomology at the University of Maryland to develop sustainable insect management programs in small fruit or agronomic crops. The successful candidate will be able to design and carry out their own experiments within the lab's ongoing projects in agronomic or small fruit cropping systems. Basic and applied research interests that include integrated pest management, invasive species, and insect-microorganism interactions would best fit current and future research directions within the research group (for more information, please visit our website at hambylab.weebly.com). The successful candidate will be expected to analyze and publish data, initiate and manage both field and laboratory projects, compose grants, and will be expected to travel to field sites. Professional development opportunities such as management of grants and student supervision will be provided. This position will be located on the University of Maryland College Park campus. This is a term-limited position with the option to renew, depending on performance and availability of funding.

RESPONSIBILITIES: The successful candidate is expected to be able to work independently. Field work will be based out of university research stations and in cooperation with growers throughout Maryland. Primary duties will be:

1. Designing and implementing research protocols for laboratory and field experiments
2. Managing field research sites and maintaining communication with grower cooperators and other stakeholders
3. Conducting formal statistical analysis of data
4. Writing up results of research for reports, extension publications, and peer-reviewed journals
5. Presenting results of research in both extension settings and professional meetings
6. Mentorship and management of students

ABOUT THE DEPARTMENT AND UNIVERSITY: Located in close proximity to the Beltsville Agricultural Research Center, National Agricultural Library, the Smithsonian Institution, and the National Institute of Health, the University of Maryland is the state's flagship and land-grant institution with 37,500 students in 12 schools and colleges, 9,000 faculty and staff, and a \$1.9B annual operating budget, including \$500M in external research funding. The Department of Entomology is a nationally recognized department that has been operating more than 100 years. Our distinguished faculty,

students, and post-doctoral fellows have won numerous University and national awards for quality research, teaching, outreach and extension. We maintain our historical focus on insects and their relatives, but the Department's interests also span a diversity of subdisciplines, including ecology, aquatic biology, molecular and developmental biology, genetics, biological control of insects and weeds, systematics, evolutionary biology, integrated pest management, toxicology, and insect pathology.

MINIMUM QUALIFICATIONS

EDUCATION: Ph.D. in a biological science.

REQUIRED KNOWLEDGE/SKILLS/ABILITIES Applicants should have experience and knowledge in at least one of the following areas: biology, ecology, plant sciences, agricultural sciences, plant pathology, and/or entomology. Applicants should demonstrate research excellence including strong skills in experimental design and statistical analysis. Applicants should also demonstrate the ability to communicate effectively and work collaboratively with growers, extension agents, and other team members. Mentorship and/or management experience is preferred. Experience with molecular laboratory methods, including Illumina-based analysis of microbial communities is preferred. A U.S. driver's license is required. Preference will be given to applicants whose research interests and expertise complement the laboratory, but outstanding applicants looking to broaden their field of interest will also be seriously considered.

CLOSING DATE: Applications received before April 1st will receive priority, but the position will remain open until filled. We anticipate the successful applicant will start May-July 2018.

APPLICATIONS:

Interested applicants should send a single PDF containing a cover letter, statement of research interests, curriculum vitae/resume, proof of degree, and a list of 3 references to: Kelly Hamby (kahamby@umd.edu).

The University of Maryland, College Park, actively subscribes to a policy of equal employment opportunity, and will not discriminate against any employee or applicant because of race, age, sex, color, sexual orientation, physical or mental disability, religion, ancestry or national origin, marital status, genetic information, political affiliation, and gender identity or expression. Minorities and women are encouraged to apply.