UNIVERSITY OF MARYLAND
COLLEGE OF COMPUTER, MATHEMATICAL AND NATURAL SCIENCES
DEPARTMENT OF ENTOMOLOGY

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POST-DOCTORAL ASSOCIATE
Department of Entomology
Supervisor: Dr. Kelly Hamby. For more information about the lab, visit https://hambylab.weebly.com
Salary: $38,000-$46,000 plus university benefits (https://uhr.umd.edu/, benefits tab)

POSITION DESCRIPTION: A post-doctoral position is available within the Department of Entomology at the University of Maryland to work on sustainable agricultural pest management and ecology in a variety of cropping systems. This position will primarily focus on the management of spotted wing drosophila (SWD), *Drosophila suzukii*, in organic raspberry and blueberry cropping systems, with an emphasis on developing and evaluating cultural control tactics. Other components of this project include investigating the seasonal biology and overwintering behavior of SWD. Additional responsibilities may include studies in agronomic cropping systems, such as evaluating the non-target impacts of neonicotinoid seed treatments in grain crop rotations and using quantitative PCR methods to quantify soil nitrogen fixing communities. The successful candidate will be expected to initiate and manage both field and laboratory based projects, and will be expected to travel to field sites. Professional development opportunities such as the development and 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.

RESPONSIBILTIES: The successful candidate is expected to be able to work independently. Field work will be performed in cooperation with berry growers throughout Maryland in addition to university research farms. Primary duties will be:

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

ABOUT THE DEPARTMENT AND UNIVERSITY: Located in close proximity to the Beltsville Agricultural Research Center, the 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. *Preferred*: Work experience with sustainable pest management of plant pests and / or diseases would be beneficial, particularly experience in berry or agronomic crops.

REQUIRED KNOWLEDGE/SKILLS/ABILITIES Applicants should have extensive experience and knowledge in at least one of the following areas: plant sciences, agricultural sciences, and/or entomology. A demonstrated ability (by letters of recommendation) to work independently and proactively manage field, greenhouse, and laboratory projects in required. Experience with plant health management and/or insect pest management, including operation of agricultural machinery is preferred. The application should also demonstrate the ability to communicate effectively and work collaboratively with growers, extension agents, and other team members. Applicants should have a demonstrated (by peer-reviewed publications) record of knowledge of experimental design and statistical analysis methods. Experience with molecular laboratory methods, including quantitative PCR would be helpful, but is not required. Applicants should have a demonstrated ability to conduct agricultural field research, including the ability to lift, transport and deliver materials, supplies and/or goods up to 50 lbs. A Maryland Driver’s license is required.

CLOSING DATE: Applications received before January 1st will receive priority, but the position will remain open until filled. We anticipate the successful applicant will start Jan-April 2016.

APPLICATIONS: Interested applicants should send a single PDF containing a cover letter, statement of research interests, curriculum vitae/resume, proof of degree, and 3 references to:

Kelly Hamby at kahamby@umd.edu

The University of Maryland, College Park, an equal opportunity/affirmative action employer, complies with all applicable federal and state laws and regulations regarding nondiscrimination and affirmative action; all qualified applicants will receive consideration for employment. The University is committed to a policy of equal opportunity for all persons and does not discriminate on the basis of race, color, religion, sex, national origin, physical or mental disability, protected veteran status, age, gender identity or expression, sexual orientation, creed, marital status, political affiliation, personal appearance, or on the basis of rights secured by the First Amendment, in all aspects of employment, educational programs and activities, and admissions.