

## **Postdoctoral Research Associate Position Available in Non- Target Effects of Mosquito Larvicides on Mosquitoes, Honey Bees and Mosquito Fish**

**Available:** September 1, 2020

### **Location:**

Urban Entomology Laboratory  
Entomology and Nematology Dept.  
Steinmetz Hall, 1881 Natural Area Dr.  
[University of Florida](#)  
Gainesville, FL 32611

**Salary:** \$48,000/year

**Appointment:** The position is full-time for one year, with two years of funding support possible. This is a non-tenure accruing position.

The Urban Entomology Laboratory is seeking a highly motivated postdoctoral research associate whose primary responsibility will be to address the effect of liquid formulation larvicides for acute / chronic toxicity on target mosquito larvae, non-target honey bees and mosquito fish in laboratory and semi-field assays.

The postdoc will work with the PI (Dr. Rebecca Baldwin) and collaborator (Dr. Roberto Pereira) as well and personnel at the Anastasia Mosquito Control District, commercial beekeepers, and personnel at the urban entomology laboratory to develop a nationally recognized, applied research program.

This research will evaluate the potential adverse effects of juvenile hormone (JH) analog and microbial mosquito larvicides on honey bees, mosquito fish, and test the efficacy of these products on larval mosquitoes, including the acute toxicity and chronic toxicity.

Furthermore, the postdoc will mentor graduate and undergraduate students, and work with other scientists in the laboratory. The postdoc will produce thorough project reports to fulfill the duties associated with any grant and sponsored program requirements, in addition to refereed manuscripts in which the project results will be published.

**The postdoc will conduct adult mosquito feeding on live hosts (chickens) which will require the handling, maintenance (cage cleaning, feeding, watering, housing), and record keeping according to the approved IACUC schedule and protocol IACUC #201903836.**

### **Qualifications:**

1. A PhD in entomology, biology, or a related discipline.
2. Experience with insect bioassay and control.

3. **Ability to be trained and certified for animal contact according to IACUC requirements. Preferably experienced in adult mosquito feeding on live hosts and ability to handle and care for chickens as live hosts according to approved IACUC protocol IACUC #201903836.**
4. Ability to work with honey bees.
5. Valid Driver's license and ability to drive vehicle to field sites.

The [Institute of Food and Agricultural Sciences](#) is committed to creating an environment that affirms diversity across a variety of dimensions, including ability, class, ethnicity/race, gender identity and expression. We particularly welcome applicants who can contribute to such an environment through their scholarship, teaching, mentoring, and professional service. If an accommodation due to a disability is needed to apply for this position, please call 352-392-2477 or the Florida Relay System at 800-955-8771 (TDD) or visit [Accessibility at UF](#).

**Contact:** Dr. Roberto M. Pereira, [rpereira@ufl.edu](mailto:rpereira@ufl.edu).