



## Postdoctoral Research Position in Insecticide Resistance Mapping, Monitoring, Detection, and Control of Mosquito Disease Vectors

The Department of Entomology at Cornell University is seeking to fill a postdoctoral research associate position in the area of insecticide resistance monitoring of mosquito disease vectors in the northeastern United States. A primary goal of our team is to determine the status and extent of resistance in the region through a resistance monitoring, detection, and spatial mapping program. In addition, the successful candidate may be involved in the evaluation of new insecticides for control of regional mosquito and tick vectors. The position is part of the CDC-funded Northeast Regional Center for Excellence in Vector-Borne Diseases (NEVBD), carrying many opportunities to interact with our leadership team and collaborators across the region.

**Position Responsibilities:** The successful candidate is expected to play a leading role in this effort. Ability to think and work independently - but also as a member of a team - is essential. Experience in mosquito field collection, insecticide resistance bioassays, genotyping of resistance loci, GIS and statistical analyses experience are essential. Experience with mapping and spatial analysis is desirable. Successful candidate will be expected to train and work with vector control staff throughout the region, developing training modules specifically for the collection, testing, and reporting of insecticide resistance data. The candidate will also be responsible for testing novel insecticides for their potential use in mosquito control, and will contribute to a one-credit graduate seminar on public health vector management offered annually.

In addition to carrying out research central to the CDC-funded project, and obtaining publishable results and publications, the successful candidate will find opportunities to mentor undergraduate (and perhaps early-graduate) students in research and will themselves be mentored by two experienced PIs in skills that will be relevant to their future career (such as grant-writing, laboratory management, planning experiments, data analysis). Salary is competitive and commensurate with experience. Cornell University provides an excellent benefits package.

**Qualifications:** Must have a PhD in Entomology, Ecology, or related field, supported by publications in peer-reviewed journals. Prior experience in mosquito field collection, insecticide resistance bioassays, genotyping of resistance loci, GIS, and statistical analyses are essential. Strong communication (verbal and written) skills, fluency in English, and an ability to work well with others are required. Experience with mapping and spatial analysis is desirable.

We are seeking a candidate to fill the position immediately. This is a full-time position through 31 January 2019, with renewal contingent upon performance and availability of funds.

For more information, contact Jeffrey Scott ([jgs5@cornell.edu](mailto:jgs5@cornell.edu)) or Laura C. Harrington ([lch27@cornell.edu](mailto:lch27@cornell.edu)),

or visit [https://apps.hr.cornell.edu/recruiting/facultyview.cfm?posting\\_id= Postdoctoral-Associate--Entomology-Department\\_WDR-00012814](https://apps.hr.cornell.edu/recruiting/facultyview.cfm?posting_id= Postdoctoral-Associate--Entomology-Department_WDR-00012814).