



Postdoctoral position to work on the genomics of insecticide resistance

A postdoctoral position is available June 1, 2020 in the laboratory of Professor Jeff Scott at Cornell University (Ithaca, NY, USA), for a highly motivated candidate to study the molecular basis of insecticide resistance in *Aedes aegypti*.

The research project, funded by NIH, will use genomic approaches to identify the basis of CYP-mediated resistance. This project is expected to contribute to the basic understanding of evolution, CYP regulation, and insecticide resistance management. The studies are also likely to open new inroads for future research, with relevance to CYP-mediated detoxification of xenobiotics, and insecticide resistance.

Skills and application: Candidates must have a Ph.D in molecular or cell biology, genetics, toxicology or a related biological discipline, be self-motivated, and have excellent communication (verbal and written) and organizational skills. Solid molecular biology skills, and experience with Illumina and/or Nanopore (or PacBio) sequencing experiments (design, implementation and analyses) are required. Strong interest in insecticide resistance or CYP-mediated metabolism of xenobiotics is highly desired. Strong programming skills are necessary. Applicants should have a strong interest and experience in mentoring of undergraduate and graduate students. Applications from candidates should be sent by email to Professor Jeff Scott at jgs5@cornell.edu. Please include a CV, statement of research experiences and interests, and contact information for three or four referees. The cover letter should include an explanation of how your qualifications and experiences make you a good candidate for this position. Informal inquiries are welcome. Consideration of applications will begin immediately. The successful candidates will join a team of researchers committed to understand the evolution of insecticide resistance and insect toxicology (<http://blogs.cornell.edu/scott/>). Cornell is an affirmative action/equal opportunity employer committed to multicultural diversity.

Lab Website:

<http://blogs.cornell.edu/scott/>

Location: Cornell University is a dynamic and vibrant scientific environment. Its campus is one of the most beautiful in the country and overlooks scenic Cayuga Lake. The area has outstanding summer and winter recreational opportunities for individuals and families. As a major university town, the Ithaca community is culturally diverse with excellent theater, music, sports, and other activities, combined with the warmth and friendliness of a small city. Ithaca has been ranked as #1 college town in the USA for three years in a row (2017-2019) (<https://livability.com/top-10/college/10-best-college-towns/2019/ny/ithaca>).

For further information, visit these links:

<http://www.visitithaca.com>

<http://www.cornell.edu/>