

# iTOX Lab 2018~

## iTOX Lab Opportunities

Our iTOX Lab is an Insect Toxicology Lab at the Pennsylvania State University, PA, USA. We use interdisciplinary approaches from molecular and evolutionary biology, functional genomics, behavior, bioinformatics, protein chemistry, and structural biology to understand the mechanisms and evolution of insects' adaptation to abiotic and biotic stresses in their environment.

Two graduate student positions are available in iTOX Lab in the Department of Entomology. Our research includes topics focused on mechanisms of insect adaptation to natural or human-made toxins, such as pesticides, host plant allelochemicals, GMO toxins as well as stresses from other organisms, environmental effects and toxicity of pesticides on pollinators. Graduate students will be encouraged to develop and pursue independent projects tailored to their own research interests.

The ideal candidates should have BS or MS degree(s). The candidates are expected to be highly self-motivated and have research experience or publication record in one or more areas: chemical ecology, molecular biology and biochemistry, bioinformatics, chemistry or related disciplines. Financial support is \$35,000/year including stipend, tuition, and benefits. Interested applicants please send your curriculum vitae and brief description of your interest to [fuz59@psu.edu](mailto:fuz59@psu.edu).

You can apply through Entomology <https://ento.psu.edu/graduateprograms/prospective>, or Huck Institutes of the Life Sciences <https://www.huck.psu.edu/graduate-programs/ecology/applications/apply-now>; <https://www.huck.psu.edu/graduate-programs/molecular-cellular-and-integrative-biosciences/for-prospective-students/apply-now>

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**Google scholar citation:** <https://scholar.google.com/citations?user=i3s3I20AAAAJ&hl=en>

### Lab location:

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