



Ph.D. Graduate Assistantship

Area of Study: 'Genetic and Molecular Mechanisms of 'Maize Flavonoids-Insect Interactions'

A Ph.D. level graduate assistantship is available immediately in a NIFA supported collaborative project between the Maize Genetics (Chopra) and Fall Armyworm (Felton) research groups at Penn State University, University Park Campus. The research project focuses on understanding the interactions of maize flavonoids metabolites with survival and behavioral studies of fall armyworm caterpillars. The research project uses cutting edge molecular techniques of proteomics, metabolomics, and high throughput sequencing. Applicants should have a good understanding of plant genetics and plant molecular biology techniques and training in the areas of Plant Breeding, Entomology, Microbiology, lab, and field-based insect feeding assays will strengthen the application. Applicant could apply to either the Plant Science or the Entomology graduate programs.

For questions and inquiry regarding this graduate assistantship, please contact the following via email:

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