



November 14, 2018

Postdoctoral Position in Plant-Insect Interactions at Penn State University

A postdoctoral position in the area of plant-insect interactions is anticipated beginning January 1, 2019 or until a suitable candidate is found. The position involves working on Spotted Lanternfly (SLF, *Lycorma delicatula*) and its interactions with hardwood trees in landscape and forest systems. Spotted lanternfly is an invasive species from Asia that threatens multiple ornamental tree species in Southeastern PA, VA, NJ, and NY. We are particularly interested in how this pest affects tree physiology and using remote sensing to detect/monitor populations. Work will include monitoring sap flux, tree growth, and carbohydrate chemistry of trees over the season under different levels of SLF infestation of saplings and mature trees. Interactions that induce plant signaling that alters host plant resistance is also of interest. Candidates with a background in tree physiology are encouraged.

The successful candidate will work with Drs. Kelli Hoover (Department of Entomology) and David Eissenstat (Department of Ecosystem Science and Management). The position will be at the Penn State University Park campus, but extensive field work is anticipated during the growing season in the quarantine counties of Southeastern Pennsylvania. Salary will be commensurate with experience. Inquiries can be made to either Dr. Hoover ([kxh25@psu.edu](mailto:kxh25@psu.edu)) or Dr. Eissenstat ([dme9@psu.edu](mailto:dme9@psu.edu)).

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