



# UNIVERSITY OF MARYLAND

COLLEGE OF COMPUTER, MATHEMATICAL AND NATURAL SCIENCES

DEPARTMENT OF ENTOMOLOGY

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## **Internship Opportunity in the Lamp Lab**

Department of Entomology

University of Maryland

Fall, 2020

Dr. Bill Lamp is seeking an undergraduate student, sophomore or junior, to join his lab as a part-time intern, 10-15 hours/week, to focus on molecular approaches applied to the study of plant-insect interactions of an invasive insect, the spotted lanternfly. The position requires a current University of Maryland student who has experience with molecular biology and basic molecular techniques, or has a strong desire to learn them. The student will use molecular techniques to aid in the identification of host plants of the spotted lanternfly using DNA barcoding of their gut contents. Entomological experience is not required, but an interest in or willingness to learn about insects is useful.

Research using molecular techniques requires attention to detail as well as the ability to closely follow our protocols and independently conduct the laboratory procedures. The Lamp Lab has experience with the protocols, and our lab personnel can help train and troubleshoot issues that may arise. The protocols are described in the following reference:

Avanesyan, Alina, and William Lamp. 2020. Use of molecular gut content analysis to decipher the range of food plants of the invasive spotted lanternfly, *Lycorma delicatula*. *Insects* 11, 215 (available under "Publications" at <http://science.umd.edu/entm/lamp/> )

Help is needed during the 2020-21 academic year, although opportunities are available during the summer, 2020, to become familiar and help with other ongoing field research. Students may be paid on an hourly basis, or use the hours as part of BSCI 389/389H independent research. The position is open until a suitable candidate is found.

If interested or you have specific questions, contact Dr. Lamp at [lamp@umd.edu](mailto:lamp@umd.edu) and attach a current resume that includes, among other items, a list of specific experiences and skills related to the position.

For more information about the lab, visit the lab website at:

<http://science.umd.edu/entm/lamp/>