



Graduate Research Assistantship  
Insect Seasonal Physiology  
The Meuti Laboratory  
u.osu.edu/meutilab  
Department of Entomology  
The Ohio State University, Columbus Ohio



**Position description:** A graduate assistantship for a PhD candidate is available starting Fall 2019 in the Entomology Department at the Ohio State University within the Meuti Laboratory.

Although we intuitively recognize that many of our insect problems are seasonal, few researchers are studying the molecular regulation of seasonal response in insects, how these complex phenotypes evolved, the importance of seasonal responses to insect ecology and disease transmission/food safety, or the potential of manipulating seasonal responses to provide novel and effective way of controlling insect pests. The successful applicant will research seasonal responses in mosquitoes or brown marmorated stink bugs.

Potential techniques that could be learned or perfected include: measuring gene expression with qRT-PCR; assessing seasonal phenotypes with dissections, lipid assays and immuno-histochemistry; analyzing RNAseq and genomic datasets; as well as performing functional assays with RNAi and/or germline transformations of insect embryos using CRISPR/Cas9. Candidates will be encouraged to develop their own experiments, particularly those with an evolutionary or ecological focus. This competitive assistantship will cover tuition, stipend and health insurance.

**Deadline for applications:** Submit all materials to The Ohio State University Graduate School no later than December 1, 2018.

**Qualifications:** The successful candidate will have a bachelor's degree in the biological sciences or a related discipline. Minimum requirements to apply include previous research experience, a 3.6 or higher undergraduate GPA and a 75<sup>th</sup> percentile or higher average on the verbal and quantitative portions of the GRE.

**Application materials:** Interested candidates are encouraged to email Dr. Megan Meuti ([meuti.1@osu.edu](mailto:meuti.1@osu.edu)) to discuss the position in detail. Your email message should include:

- (1) a short statement of intent,
- (2) contact information for three references, and
- (3) a concise, current CV complete with
  - (a) GPA, degrees earned and relevant coursework,
  - (b) GRE scores and percentiles,
  - (c) publications and research presentations
  - (d) awards/scholarships/grants,
  - (e) other relevant skills/qualifications.

***Students from non-English speaking countries should also provide TOFEL scores.***