

Graduate student position studying honey bee circadian biology University of Kentucky



[Dr. Michael Tackenberg](#) (Biology) and [Dr. Clare Rittschof](#) (Entomology) are recruiting a PhD student for a collaborative project involving honey bee circadian biology and behavioral neuroscience at the University of Kentucky. The candidate will matriculate through the Department of Biology and participate in a recently funded project investigating how the honey bee nervous system integrates combinations of day length and temperature cues to regulate visual sensitivity and activity patterns in changing environments. A competitive candidate will have some background in molecular biology, neuroscience, and/or animal behavior, as well as strong quantitative skills and interests. Participation in field work activities will be required, but no experience working with insects and/or honey bees is necessary to be selected for this position.

Dr. Tackenberg is a circadian neuroscientist whose research examines how genetic, molecular, and environmental factors impact circadian rhythms in a variety of study systems. Dr. Rittschof's research incorporates perspectives from behavioral ecology, neuroscience, physiology, and genomics to study how environmental conditions and social interactions influence behaviors and life history characteristics in honey bees.

Please contact Dr. Clare Rittschof (clare.rittshof@uky.edu) and Dr. Michael Tackenberg (michael.tackenberg@uky.edu) to discuss your interests and fit and visit the [UK Biology Graduate Program](#) page for more information about graduate studies and how to apply.

The University of Kentucky is in Lexington, KY, a historic, mid-sized city situated among horse farms in the heart of bourbon country. We are near renowned outdoor recreation areas, including the Red River Gorge and Mammoth Cave National Park. The faculty in the Biology Department (College of Arts & Sciences) cover a range of integrated disciplines, with a strong focus on circadian biology. The Entomology Department (The Martin-Gatton College of Agriculture, Food, and the Environment) represents a broad range of basic and applied insect science relevant to urban, forest, and agricultural landscapes, as well as human and animal health.