



# RIVERSIDE

DEPARTMENT OF ENTOMOLOGY  
Entomology Seminar Series



## Speaker:

Mark Stukel, Ph. D.  
University of California, Davis

**Date:** Monday, May 5, 2025  
**Time:** 4:00 pm - 4:50 pm  
**Format:** In-Person Seminar & Virtual Access  
**Location:** Genomics Auditorium 1102A  
**Zoom:** 956 6969 9893  
**Passcode:** 343307

## Title:

***"Phylogenomic insights into cicada and plant bug evolution: New Zealand hybridization and world-wide diversification"***

## Abstract:

Phylogenomics has allowed us to answer difficult questions about the evolutionary history of organisms. One group of organisms that serve as an interesting system for evolutionary biology are the Cicadidae, or the singing cicadas, which are a charismatic globally-distributed insect family. Thanks to their long underground life cycles and species-specific mating songs, they can be used for studying patterns of species distribution around the world and the evolution of reproductive isolation. In this talk, I will introduce what makes cicadas a useful system for answering these evolutionary questions, share research using phylogenomic datasets to uncover the evolutionary relationships and untangle ancient hybridization events in a New Zealand cicada species radiation, and share phylogenomic results on the evolutionary history and global biogeography of the family Cicadidae as a whole. I will also introduce preliminary work on plant bug (Miridae) phylogenomics I am conducting in collaboration with the Weirauch lab at UCR.