



Entomology 249 001 – Seminar in Invertebrate Neuroethology Winter 2025

Professor: Dr. Ysabel Giraldo (ysabel.giraldo@ucr.edu)

Schedule: 2 hours per week, day/time/location TBD

Do you want to learn more about how the nervous system shapes sensory biology, locomotion, communication, and other behaviors in model and non-model invertebrate taxa?

This course is designed to be a graduate-level discussion of current literature in invertebrate neuroethology in taxa from *Drosophila* to ants to cuttlefish. We will cover important topics in neuroethology, including circadian rhythms, navigation, learning and memory, and social behavior, among others. Using current literature, we will examine experimental methods and analysis techniques that advance our understanding at the levels of gene expression, physiology, anatomy, and neural circuits. Students will be responsible for reading primary literature, engaging in discussion, and presenting in class.

Please send any additional questions to Dr. Giraldo.

Advanced undergraduates with appropriate academic background may enroll with permission of instructor.