



# **Entomology 131: Invertebrate Neuroethology Winter 2025**

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

Schedule: T/Th 2-3:20 (3 units)

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?

Do you want to gain experience in reading, interpreting, and presenting scientific literature, all while developing your communication skills?

If so, this course might be for you!

Invertebrate Neuroethology is an upper division course focused on current literature in invertebrate neuroethology in taxa from *Drosophila* to ants to cuttlefish. While covering topics including circadian rhythms, navigation, learning and memory, and social behavior, we will examine experimental methods and analysis techniques. Students will be exposed to approaches that advance our understanding at the levels of gene expression, physiology, anatomy, and neural circuits.

Please reach out to Dr. Giraldo if you have additional questions.