Biology Seminar

12:30 - 1:30 pm
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BGS 0165



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Uncovering the neural circuits mediating proprioception and adaptive motor control

Motor circuits in the central nervous system require continuous feedback about the movement and position of the body to coordinate behaviors like walking. This feedback is provided by proprioceptive sensory neurons, which detect self-generated mechanical forces from muscles and tendons. The Agrawal lab studies how feedback from proprioceptive sensory neurons enables the flexible control of behavior, primarily focusing on the compact nervous system of the fruit fly, *Drosophila melanogaster*. In this talk, I will describe some of our recent work to understand the function and evolution of leg mechanosensory neurons and how they control complex behaviors like landing and locomotion