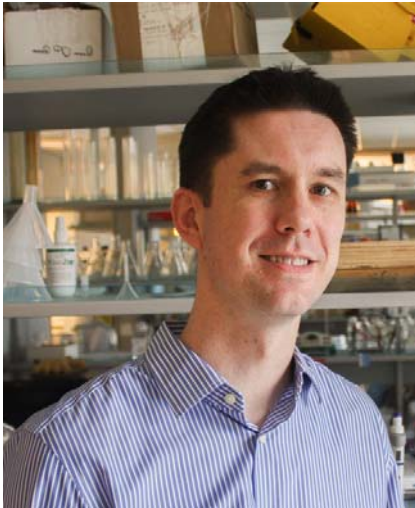


Wednesday, February 1, 2017

LSC 3 | 12:00 - 1:00PM



Dr. Michael Gordon

Associate Professor
Department of Zoology, UBC

“Neural circuit mechanisms underlying taste and hunger integration in *Drosophila*”

Animals use the sense of taste to guide their food choices. For example, sweet taste drives the consumption of caloric carbohydrates, while bitter taste can signal the presence of toxins. I will present recent work from my lab on mechanisms in the *Drosophila* brain that translate taste information into feeding behavior. These mechanisms include a novel class of pharyngeal neurons dedicated to sustaining the ingestion of sweet compounds, a presynaptic feedback system underlying sweet and bitter taste integration, and monoaminergic modulation of bitter taste output by a hunger-regulated neuron in the fly brain.

Live Online Seminar Viewing:
<http://tinyurl.com/cbrseminaronline>