# NEUROSCIENCE COLLOQUIUM

Graduate College – College of Science
School of Mind, Brain & Behavior

## *"A Gut Sense"*

Abstract: Our food choices are driven not just by our five senses, but by a newly recognized "gut sense" mediated by neuropod cells. Beyond their role in satiety hormone release (e.g., cholecystokinin and GLP-1), neuropod cells are electrically excitable, have voltage-gated calcium channels, contain secretory vesicles, and form synapses to rapidly transduce stimuli from the gut lumen to the brain. These cells transduce nutrient stimuli onto connecting neurons in milliseconds to drive our food choice. We are only at the beginning of understanding what this new sense, a gut sense, means to our understanding of how we perceive nutrients, and how this perception is guiding our everyday behavior.

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Tuesday, August 26, 2025, at 4:00 pm
Medical Research Building 102
Zoom: https://arizona.zoom.us/j/84833757819

Host: Mel Wohlgemuth
Please contact for more information - Light refreshments will be served

Neuroscience
Graduate Interdisciplinary Program