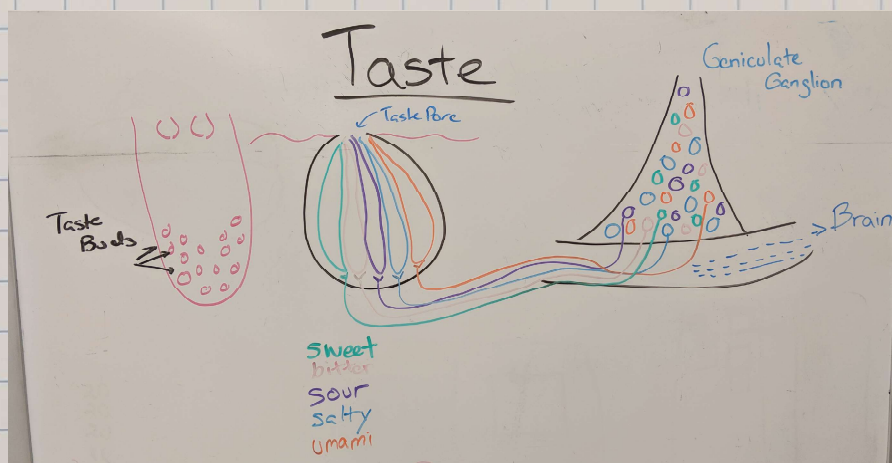


Postdoctoral Position Available: Macpherson Lab - University of Texas at San Antonio

Investigating "Taste" from the Tongue and Gut to the Brain



Our lab is interested in investigating the sense of taste and the molecules, cells, and circuits involved in chemosensation from the tongue and gut to the brain. Taste receptor cells on the tongue are specialized to be activated by one of the five taste qualities, and signal that information to discrete populations of neurons in the gustatory ganglia. Precise wiring between gustatory ganglion neurons and taste receptor cells is essential for our ability to correctly detect and discriminate tastes. The lab is interested in understanding how this gustatory circuit is organized at the cellular and molecular level.

Less well understood are chemosensory cells in the gut – which have many parallels to taste receptor cells – and may signal the presence of nutrients, toxins, and microbial metabolites to peripheral sensory neurons in the vagal ganglia. We aim to identify the cells and signaling mechanisms necessary for this gut-brain communication.

We are looking to hire a postdoc who brings their knowledge of molecular and cellular neuroscience, neurophysiology, or related discipline, to tackle these exciting questions in the chemosensory field.

Please send a cover letter with a statement of research interests along with your CV and the contact info of 3 references to:
lindsey.macpherson@utsa.edu

For more information, visit www.macphersonlab.org