

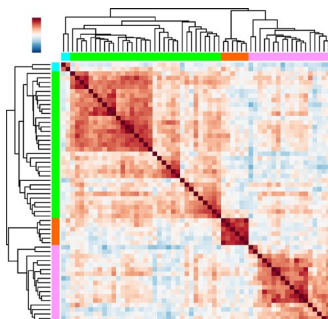
Postdoctoral Position in Sensory Neuroscience at University of Miami, Florida, USA

We seek a postdoctoral scientist to join a highly interactive and innovative team developing a comprehensive picture of how taste works in the mammalian periphery.

We have established *in vivo* confocal Ca^{2+} imaging of first-order taste neurons ([Nat Commun. 2015; 6:8171](#)). Using **single cell RNAseq**, we have examined the transcriptomes of first-order taste neurons, and proposed an initial molecular taxonomy for them ([Nat Commun. 2017; 8\(1\):760](#)). We are now positioned to combine these powerful technologies to define the stimulus-evoked responses of molecularly identified geniculate taste neurons and to address long-standing questions regarding coding and multi-modality. We are also interested in the neuronal connectivity of the afferent neurons types with their peripheral targets, the taste bud cells, and central targets in the brain stem (see [Nat Rev Neurosci. 2017; 18\(8\):485-497](#)).

The successful candidate will have advanced skills in two or more of: neuronal recording (electrophysiology or Ca^{2+} imaging), rodent surgery, molecular genetics, neuroanatomical tracing, *in situ* hybridization and immunostaining. S/he will have the opportunity to incorporate her/his skills and interests into the design of a project within the broad outlines of our research area. There will be many opportunities for collaboration and expanding your own repertoire of technologies.

Ideally, we seek a recent Ph.D. in Physiology, Neuroscience or a related field.



Funding is available immediately, so prompt applications are encouraged. Apply by sending a brief letter of interest, c.v. with full bibliography, and the names of three references to:

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