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Del Monte Institute for Neuroscience

Two NIH-funded postdoctoral positions are available in the Chemosensation and Social Learning Laboratory (Julian Meeks, Ph.D., Principal Investigator) in the Departments of Neuroscience and Pediatrics at the University of Rochester School of Medicine and Dentistry (URMC).

The official laboratory website can be found at <https://www.urmc.rochester.edu/labs/meeks-lab.aspx>.

Recent published studies from the laboratory can be found at <https://www.ncbi.nlm.nih.gov/myncbi/julian.meeks.1/bibliography/public/>.

Available research projects are flexible, but will all include inquiries into mammalian chemosensation (smell, taste, pheromone detection) and the impacts of chemical messages on social behavior. The laboratory is skilled in quantitative physiology methodologies, including electrophysiology and live neuronal calcium imaging. Specific methodologies include: patch clamp electrophysiology, extracellular single unit electrophysiology, live volumetric calcium imaging via light sheet microscopy, two-photon microscopy, serial two-photon tomography, cleared tissue/expansion microscopy, single cell RNA sequencing, quantitative behavioral analysis, and machine learning analysis (random forest, deep convolutional neural networks, etc.).

We welcome PhD-holding applicants from all personal backgrounds, and are committed to supporting each individual as a full human being.

Prospective applicants, please e-mail julian_meeks@urmc.rochester.edu with an updated C.V. to initiate a conversation.