Postdoctoral Positions at UCSF in the Department of Neurological Surgery

We are seeking postdoctoral candidates interested in speech, language, learning, intracranial neurophysiology, and neuromodulation.

These positions are part of a newly-funded project from the National Science Foundation (NSF) that seeks to understand how various types of brain states relate to individual differences in perceptual learning (https://tinyurl.com/UCSF-NSF).

Postdocs will be responsible for leading research projects focused on invasive neurophysiological (ECoG/SEEG) recordings combined with pupillometry in human participants. Responsibilities include experimental design, data collection, data analysis, scientific presentations in papers and talks, and close collaboration with scientists and engineers at all career levels.

The overall project involves a highly collaborative, multi-disciplinary team with expertise in perceptual learning, behavioral modeling, human neurophysiology, pupillometry, and neuromodulation (both invasive and non-invasive).

In addition, there is an animal model that will investigate learning using single neuron neurophysiology (Neuropixels), pupillometry, two-photon GCaMP imaging, and pathway-specific optogenetics. For candidates with interest and sufficient skill sets, there will be opportunities to work with all types of data and collaborate closely with experts in all of these domains. There will also be ample opportunities to interact with the broader human neuroscience community at UCSF and surrounding institutions (UC Berkeley, Stanford).

Candidates should have a PhD in cognitive or systems neuroscience, or related fields. Strong coding skills (Python or Matlab) are required.

To apply, please send a CV, very brief cover letter, and 3 references to Matt Leonard (Matthew.Leonard@ucsf.edu).