Position Summary:

The Shih lab invites applications for a postdoctoral position at the University of California, Davis. We are looking for candidates with a strong background in enzymology, evolutionary biology, and/or synthetic biology. The postdoc will investigate how enzymes have evolved in response to different atmospheric compositions over geological time. Specifically, we are interested in the oxygen requirements of the first eukaryotic cells. The multidisciplinary project is part of a larger multi-lab team that will also enable coordination and collaboration with other experts in biophysics, bioengineering, and lipid biochemistry. Additional background in mass spectrometry (ideally membrane inlet mass spec), computational biology, yeast genetics, lipid biochemistry, structural biology, and/or synthetic biology would also be a strength. A successful candidate may not have experience in all relevant fields; however, they should be motivated to learn and pick up new skills.

Intended start date: September 1, 2020

The Shih lab is physically located at two sites: 1) UC Davis and 2) the Joint BioEnergy Institute (Emeryville, CA). The postdoc will have access to both sites but will primarily be stationed at UC Davis.

If you are interested in joining the lab, please email Patrick Shih (pmshih@ucdavis.edu) a cover letter describing your research interests and qualifications, your CV, and contact information for three references.

More information available at http://shih-lab.ucdavis.edu/