

Postdoctoral Positions Available

Pharmacogenomics and Molecular Pharmacology Laboratory of Deanna Kroetz

Department of Bioengineering and Therapeutic Sciences

University of California San Francisco

Multiple postdoctoral positions are open to study the role of sphingosine signaling in chemotherapy-induced peripheral neuropathy. These studies will extend the results of our recent genome-wide association study that identified genetic variation in the sphingosine-1-phosphate receptor 1 as a risk factor for developing peripheral neuropathy during treatment with microtubule targeting agents (Chua et al. *Clin Pharmacol Ther* 108:625-634 2020). We seek to define the contributions of sphingosine signaling to the cytoskeletal changes attributed to microtubule targeting agents in peripheral sensory neurons and understand the molecular basis of the neuroprotective properties of fingolimod. A recently developed induced pluripotent stem cell-derived sensory neuron model of chemotherapy neurotoxicity (Xiong et al. *Clin Transl Sci* in press 2020) will be used for the studies. Expertise in iPS and CRISPR technology, cell signaling, high content imaging, and single cell sequencing approaches would be valuable, but opportunities are also available to scientists with rigorous training to learn new skills.

The Kroetz laboratory values diversity, equity and inclusion and strives to provide supportive training opportunities for everyone. While research productivity is expected, fellows are also encouraged to explore additional training that will support their career goals, be active members of the UCSF postdoctoral community, and take advantage of networking opportunities both within and outside UCSF.

Interested candidates should send their CV to deanna.kroetz@ucsf.edu.