

Specialist – Stem Cell Biology & Proteomics

The Krogan Lab (<http://kroganlab.ucsf.edu>) is a highly dynamic and collaborative laboratory focusing on the molecular networks underpinning neurological disorders, infectious disease, and carcinogenesis. You will be focusing on culturing iPSCs and iPSC-derived cell types (e.g. neurons, cardiomyocytes) and mapping protein-protein interactions (PPI) and signaling networks in healthy state and disease using mass spectrometry. This role is an excellent opportunity to learn a number of valuable, cutting-edge techniques in proteomics while working with a dynamic and interdisciplinary research team. The candidate will characterize new iPSC lines expressing affinity-tagged proteins of interest for PPI mapping, prepare samples for proteomic analysis and perform functional validation studies involving CRISPR-based technologies and imaging. The candidate will also have the opportunity to develop and implement new protocols for mass spectrometry-based proteomics experiments in neurons and other cell types.

Our ideal applicant is a problem solver with a positive attitude, excellent organizational and interpersonal skills, and the ability to learn and implement methodology efficiently. Candidate's CV and/or cover letter must state basic qualifications (or if pending) upon submission. Candidates must meet all qualifications by the time of hire.

Required Qualifications:

- Jr. Specialist rank: Bachelor's degree in biological sciences or an appropriate scientific field.
- Assistant rank: Master's degree, or Bachelor's degree and 5-10 years of work experience in biological sciences or an appropriate scientific field.
- Associate rank: Master's degree, or Bachelor's degree and 5-10 years of work experience in biological sciences or an appropriate scientific field, in addition to a record of academic accomplishments, including contributions to published or in-press research in the field and a demonstrated record of University and/or public service.
- Experience in Molecular biology techniques including molecular cloning, PCR, and western blotting.
- Cell/tissue culture experience.
- Able to work independently and meet deadlines; recognize and resolve problems while maintaining a high level of organization.
- Effective verbal and written communication skills to interface with the team to review and analyze the results.
- Experience in Microsoft Office (Word, Excel, and/or Powerpoint).

Preferred Qualifications:

- Experience culturing iPSCs and iPSC-derived cells.
- Experience with neuronal or cardiomyocyte cultures.
- Generating new cell lines and characterizing them.
- with CRISPR/gene editing techniques
- DNA/RNA Blotting.
- Transfection or viral transduction.
- Affinity purifications of proteins.
- Preparation for samples for mass spectrometric analysis.
- Fluorescence microscopy.
- Experience with mass spectrometry data.
- Experience with managing large datasets and/or databases.
- Experience with statistical data analysis

Please apply online at <https://aprecruit.ucsf.edu/JPF04054>, with a CV, cover letter, and two reference contacts.