

JPF04558

### **Specialist – Molecular Biology & Proteomics (Krogan lab, UCSF)**

Your work will focus on mapping protein interactions and signaling networks for complex biological problems on cross-disciplinary projects.

This role is an excellent opportunity to learn several valuable, cutting-edge techniques in cell and molecular biology, as well as proteomics, while working with a dynamic and interdisciplinary research team. You will generate and characterize cell lines and/or iPSC lines expressing affinity-tagged proteins of interest, perform affinity purifications, and proximity labeling of proteins and their interactors for mass spectrometry analysis to study protein-protein interactions. You will learn and apply different cellular, molecular and biochemical assays to validate these findings. The candidate will also have the opportunity to develop and implement new protocols for mass spectrometry-based proteomics experiments.

The [Krogan Lab](#) is a highly dynamic and collaborative laboratory focusing on the molecular networks underpinning infectious disease, carcinogenesis and neurological disorders.

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 3 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.
- Full Specialist: PhD. or 10 years of work experience in biological sciences or an appropriate scientific field.
- Experience in the essential molecular biology techniques of molecular cloning, PCR, and western blotting.
- Experience in cell/tissue culture.
- 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.
- Demonstrated experience in Microsoft Word and Excel

#### **Preferred Qualifications:**

- Experience generating new cell lines and characterizing them.
- Experience culturing iPSCs and iPSC-derived cells.
- Experience transfection or viral transduction.
- Experience with affinity purifications of proteins.
- Experience with CRISPR/gene editing techniques
- Experience with immunoprecipitation.
- Experience in preparation of samples for mass spectrometric analysis.
- Experience in fluorescence microscopy.

- Experience with mass spectrometry data.
- Experience with managing large datasets and/or databases.
- Experience with statistical data analysis.

To apply, please submit a CV, cover letter, and the contact information for 2 references to <https://aprecruit.ucsf.edu/JPF04558>.

See [Table 24B](#) for the salary range for this position. A reasonable estimate for this position is \$49,000 - \$173,900.

## APPLICATION REQUIREMENTS

### Document requirements

- Curriculum Vitae - CV must clearly list current and/or pending qualifications (e.g. board eligibility/certification, medical licensure, etc.).
- Cover Letter
- Statement of Research (Optional)
- Statement of Teaching (Optional)
- Statement of Contributions to Diversity - Please see the following page for more details: [Contributions to Diversity Statement](#) (Optional)
- Misc / Additional (Optional)

### Reference requirements

- 2 required (contact information only)