

JPF04392

Specialist – Protein Structure and Proteomics (Krogan Lab, UCSF)

You will be working on a project focused on studying protein interactions and structures from endogenously tagged and purified protein complexes. This role is an excellent opportunity to learn a number of valuable, cutting-edge techniques in CRISPR-based knock-in (CRISPR-ki) genomics, cell biology, and proteomics while working with a dynamic and interdisciplinary research team. The specific role(s) of the specialist will include: 1) validating CRISPR-ki cell lines and primary cells; 2) affinity purification, chemical cross-linking, and sample preparation for mass spectrometry (MS) analysis; and 3) enzymatic and virological-based assays for functional characterization of protein components.

The Krogan Lab (<http://kroganlab.ucsf.edu>) is a highly collaborative laboratory focusing on the molecular networks underpinning infectious disease, carcinogenesis, and psychiatric 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.

We are hiring 2 full-time specialists for this project with qualifications from junior to full specialist (see qualifications below). Candidate's CV and/or cover letter must state required qualifications (or if pending) upon submission. Candidates must meet all Required Qualifications by the time of hire.

Required Qualifications:

- Jr. Specialist rank: Bachelor's degree in biological sciences or an appropriate scientific field.
- Assistant/Associate Rank: Master's degree, or Bachelor's degree and 5-10 years of work experience in a relevant field of biological research.
- Full Specialist rank: PhD or 10+ years of work experience in a relevant field of biological research.
- 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 a highly collaborative cross-discipline team to review and analyze results.
- Experience with Microsoft Office Word, Excel

Preferred Qualifications:

- Experience with affinity purifications of proteins.
- Experience in preparation of protein samples for mass spectrometric analysis.
- Experience with chemical cross-linking.
- Experience with peptide enrichment techniques (e.g. TiO₂, click chemistry).
- Experience with CRISPR.
- Experience with mass spectrometry and/or mass spectrometry data.
- Experience with managing large datasets and/or databases.

Please apply online at <https://aprecruit.ucsf.edu/JPF04392>, with a CV, cover letter, and two reference contacts.

Specialists (Represented):

See Table 24B (https://www.ucop.edu/academic-personnel-programs/_files/2022-23/july-2022-salary-scales/t24-b.pdf) 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: <https://diversity.ucsf.edu/contributions-to-diversity-statement> (Optional)
- Misc / Additional (Optional)

Reference requirements

- 2 required (contact information only)