

Specialist: Host-Virus Interactions (Krogan lab, UCSF)

You will focus on researching host-virus interactions to discover the key host factors and pathways hijacked by viruses, and strategies for prevention and treatment.

The Krogan lab is looking for Specialist to perform a broad range of molecular biology (cloning, PCR etc), Western Blotting, and mammalian cell culture. You will also be trained for generating cell lines expressing affinity tagged viral proteins, affinity purification and sample preparation for mass spectrometry analysis, and virology-based assays for viral replication under BSL2 conditions. This role is an excellent opportunity to learn a number of valuable, cutting-edge techniques in cell biology and proteomics while working with a dynamic and interdisciplinary research team.

At the Mission Bay campus at the University of California, San Francisco (UCSF), you will join the lab of professor Nevan Krogan (<http://kroganlab.ucsf.edu>). The Krogan lab is a highly dynamic and collaborative laboratory, applying proteomics and functional genomics to unravel the molecular networks underpinning a broad range of complex biological and biomedical problems, including infectious disease.

Candidate's CV and/or cover letter must state basic 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 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 and PCR
- Experience in Western blotting
- Experience in Mammalian cell culture experience
- Experience with statistical data analysis
- Demonstrated ability to work independently and meet deadlines; recognize and resolve problems while maintaining a high level of organization.

Preferred Qualifications:

- Generating stable cell lines and characterizing them.
- Experience in a BSL2 facility
- Transfection or viral transduction.
- Affinity purifications of proteins.
- Preparation for samples for mass spectrometric analysis.
- Experience with managing large datasets and/or databases.

Please apply online at <https://aprecruit.ucsf.edu/JPF03750>, CV, cover letter, and two reference contacts.