

## Research Associate: Host-Virus Interactions-Krogan Lab

You will be working on projects focused on studying host-virus interactions to help determine the host factors and pathways hijacked by viruses such as Ebola and SARS-CoV-2 for their own replication. Your role will include generating cell lines expressing affinity tagged viral proteins, affinity purification and sample preparation for mass spectrometry analysis, molecular biology, and cell-based reporter assays to study viral replication. This role is an excellent opportunity to learn a number of valuable, cutting-edge techniques in cell biology, proteomics, and cell culture while working with a dynamic and interdisciplinary research team.

At the Mission Bay campus in San Francisco, you will join the lab of professor Nevan Krogan at the Gladstone Institutes and his team at UCSF (<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, cancer, neurological 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.

### **Skills required:**

- Master's degree, or Bachelor's degree with 1-2 years of work experience, in biological sciences or an appropriate scientific field.
- Molecular biology techniques including molecular cloning, PCR, and western blotting.
- Mammalian cell 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.
- Microsoft Office (Word, Excel, and/or Powerpoint).

### **Preferred skills:**

- Generating stable cell lines and characterizing them.
- Transfection or viral transduction.
- Affinity purifications of proteins.
- Preparation for samples for mass spectrometric analysis.
- Experience with CRISPR.
- Experience with statistical data analysis.

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