Junior/Assistant/Associate/Full Specialist: Single-Cell Genomics in Li Lab at UCSF Stem Cell Center

We are seeking skilled and highly motivated individuals for performing genomic experiments. The work will be at the UCSF Parnassus campus.

The Li lab is focused on developing single cell and spatial multi-omics techniques to improve our understanding of complex human diseases. Technological development is directed towards clinical applications.

Candidates will help generate large-scale genomic atlas data across human tissues and will join our highly collaborative project team with scientists and clinicians from UCSF and Stanford University. Candidates will have the opportunity to receive training in machine learning, big data analysis and clinical applications of genomic technologies. Candidates will have the opportunity to present at lab meetings, joint project meetings with clinical collaborators, as well as international and/or national conferences. Candidates will receive training for their career development and attain authorship on projects to which they make contributions. Opportunities for independent research, mentorship of other trainees, and scientific writing will also be available.

This position is ideally suited for candidates seeking to enter competitive PhD, MD, or MD/PhD programs in the future.

For more information about our research, please visit our website: https://www.complexdisease.org

Job Responsibilities

Perform high throughput profiling experiments (*e.g* single cell RNA-seq and ATAC-seq, whole genome sequencing, Nanopore long read sequencing, etc.) and develop new techniques under the direction of the PI and other lab members. Candidates are more than welcome to join our large-scale data analysis and deep learning group.

The candidate will be expected to:
• Single cell and multi-omics data production
• Provide technical support to post-docs and scientists
• Fresh frozen sample processing and analysis
• Monitor the lab's facilities and equipment
• Inventory management
• Overall lab maintenance, safety and compliance

Required Qualifications

- Minimum 6 months of experience working in a biology or biomedical research lab.
- Prior experience in high-throughput sequencing (such as RNA-Seq, etc.).
- Strong problem-solving abilities, goal and detail oriented.
- A strong sense of responsibility.
- Good organizational and interpersonal communication skills (verbal and written).
- A minimum one year commitment is required.
- Must have (or be in process of obtaining) a bachelor's degree (or equivalent degree) or four years of research experience to be appointed at the Junior rank.

Preferred Qualifications

- Prior experience in single cell experiments
- Experience working with tissue samples (collection, processing, immunostaining, etc.)
- Willingness to learn more advanced technologies (spatial proteomics, metabolomics, microbiome and 3D printing for CHIP design, etc.)

APPLICATION REQUIREMENTS

Document requirements

Curriculum Vitae - Your most recently updated C.V.
Cover Letter
Statement of Research (Optional)
Statement of Teaching (Optional)
Statement of Contributions to Diversity (Optional)
Misc / Additional (Optional)

Reference requirements

2-4 required (contact information only)

For other inquiries, please contact: Dr. Jingjing Li at Jingjing.Li@ucsf.edu

UC San Francisco seeks candidates whose experience, teaching, research, or community service has prepared them to contribute to our commitment to diversity and excellence. The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age or protected veteran status.