

Junior/Asst. Specialist - Genetics/Genomics - Integrative
Biology - Peter Sudmant Lab
University of California Berkeley

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Posted Oct. 10, 2024, set to expire Nov. 10, 2024

Job Title	Junior/Asst. Specialist - Genetics/Genomics - Integrative Biology - Peter Sudmant Lab
Department	
Institution	University of California Berkeley Berkeley, California
Date Posted	Oct. 10, 2024
Application Deadline	11/10/2024
Position Start Date	Available immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Biology - Genetics Biology - General
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Job Description

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Junior/Asst. Specialist - Genetics/Genomics - Integrative Biology - Peter Sudmant Lab

Position overview Position title: Jr./Asst Specialist

Salary range: The UC salary scales set the minimum pay determined by experience level at appointment. See the following table(s) for the current salary scale(s) for this position:

https://www.ucop.edu/academic-personnel-programs/_files/2024-25/july-2024-scales/t24-b.pdf. A reasonable estimate for this position is \$53,100 - \$61,300.

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Percent time: 100%

Anticipated start: 2024

Position duration: One year with the possibility of extension based on performance and availability of funding.

Application Window

Open date: October 10, 2024

Next review date: Thursday, Oct 24, 2024 at 11:59pm (Pacific Time)

Apply by this date to ensure full consideration by the committee.

Final date: Sunday, Nov 10, 2024 at 11:59pm (Pacific Time)

Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not yet been filled.

Position description

The Sudmant Lab in the Department of Integrative Biology at the University of California, Berkeley is seeking applications for a Junior/Asst. Specialist.

The Sudmant Lab studies genetic and molecular phenotypic diversity at both the organismal and cellular level. We study the evolution, causes, and consequences of aging as well as the evolution of genome structure and cellular diversity. Our lab analyzes, integrates, and generates massive-scale genomic datasets, a scientific approach that leverages computational biology and statistics as well as wet-lab and high-throughput experimental methods.

This experimentally-focused position will contribute to projects pertaining to aging, resilience, genomics, genome structure, and cellular diversity. The Junior/Asst. Specialist will contribute to a variety of ongoing projects in the lab, including projects related to somatic structural variation during aging, the evolution of structural variation in primates, and studying hypoxia during pregnancy using single cell profiling of placentas. The Junior/Asst. Specialist will have the opportunity to work at the cutting edge of new genomics technologies such as single cell and long read sequencing and to apply these technologies to exciting aging and evolutionary research.

Key Responsibilities Include:

Carry out single cell/ nuclei isolation and library preparation for scRNA-seq and scATAC-seq.

Carry out high molecular weight DNA extractions and library preparation for long read sequencing.

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Equipment maintenance, ordering of supplies and maintenance of stock laboratory materials, and media and reagent preparation.

Culture of established cell lines and primary cells.

Specific Responsibilities include:

Potential to co-author publications.

Training and mentoring undergraduate students in the laboratory.

Qualifications

Basic qualifications (required at time of application)

Bachelor's degree (or equivalent international degree) or enrolled in a Bachelor's degree (or equivalent international degree) program.

Additional qualifications (required at time of start)

Bachelor's degree (or equivalent international degree).

Preferred qualifications

- BS/BA in the Biological Sciences.
- Experience working in a laboratory in the general area of genetics, genomics, or molecular biology.
- Experience working in the wet lab with basic molecular biology techniques (eg. DNA/RNA extraction, cloning, PCR).
- Strong biological background and understanding of molecular biology.
- Excellent organizational management; demonstrated ability to multi-task within demanding time-frames and to work independently.
- Experience with single cell and single nuclei isolation from complex tissues for downstream sequencing analyses (scRNA-seq, snRNA-seq, ATAC-seq).
- Experience with high molecular weight DNA extraction.
- Library preparation for long and short read sequencing.
- Culture of established cell lines and primary cells (isolation, maintenance, and analysis of cell phenotype).
- Experience with RT-qPCR, Western blotting, ELISA, and/or mass spectrometry.
- Competency or experience with Python or R.
- Excellent oral and written communication skills and strong interpersonal skills.

Application Requirements

Document requirements

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- Curriculum Vitae - Your most recently updated C.V.
- Cover Letter (Optional)
- Statement of Research (Optional)
- Statement on Contributions to Diversity, Equity, Inclusion, and Belonging - Statement on your contributions to diversity, equity, inclusion, and belonging in research, teaching, and service, including information about your record of activities to date, and plans for contributing if hired at UC Berkeley. [More Information and guidelines.](#)

Reference requirements

- 3 required (contact information only)

Apply link: <https://aprecruit.berkeley.edu/JPF04574>

Help contact: n.singh@berkeley.edu

About UC Berkeley

UC Berkeley is committed to diversity, equity, inclusion, and belonging. The excellence of the institution requires an environment in which the diverse community of faculty, students, and staff are welcome and included. Successful candidates will demonstrate knowledge and skill related to ensuring equity and inclusion in the activities of their academic position (e.g., teaching, research, and service, as applicable).

The University of California, Berkeley 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.

Please refer to the [University of California's Affirmative Action Policy](#) and the [University of California's Anti-Discrimination Policy](#).

In searches when letters of reference are required all letters will be treated as confidential per University of California policy and California state law. Please refer potential referees, including when letters are provided via a third party (i.e., dossier service or career center), to the [UC Berkeley statement of confidentiality](#) prior to submitting their letter.

As a University employee, you will be required to comply with all applicable University policies and/or collective bargaining agreements, as may be amended from time to time. Federal, state,

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or local government directives may impose additional requirements.

Job location

Berkeley, CA

To apply, visit <https://aprecruit.berkeley.edu/JPF04574>

Contact Information

Please reference Academickeys in your cover letter when
applying for or inquiring about this job announcement.

Contact

N/A

University of California Berkeley

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