Assistant/Associate/Full Specialist Computational Support
Upadhyayula Lab
University of California Berkeley

Job Title	Assistant/Associate/Full Specialist Computational Support Upadhyayula Lab
Department	Department of Molecular and Cell Biology
Institution	University of California Berkeley Berkeley, California
Date Posted	Mar. 17, 2025
Application Deadline	04/15/2025
Position Start Date	Available immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Physics - General Computer/Information Sciences Biology - Computational
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Job Description	

Assistant/Associate/Full Specialist Computational Support Upadhyayula Lab - Department of Molecular and Cell Biology

Position overview Position title: Assistant/Associate/Full Specialist
Salary range: The UC academic salary scales set the minimum pay determined by rank and step 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

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. The current base salary range for this position is $61,300-$137,400. "Off-scale" salaries, which yield compensation that is higher than the published system-wide salary at the designated rank and step, are offered when necessary to meet competitive conditions.

Percent time: 100%

Anticipated start: Fall/Winter 2024

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

Application Window
Open date: September 29, 2024

Most recent review date: Saturday, Mar 15, 2025 at 11:59pm (Pacific Time)
Applications received after this date will be reviewed by the search committee if the position has not yet been filled.

Final date: Tuesday, Apr 15, 2025 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 Department of Molecular and Cellular Biology at the University of California, Berkeley seeks applications for up to two Assistant/Associate/Full Specialist positions in the Upadhyayula Lab, in the area of molecular and cellular computation support.

The Advanced BioImaging Center (ABC) at UC Berkeley aspires to be a world leading multidisciplinary imaging center that drives important biological discoveries through critical new advances in all aspects of imaging technology and that drives the dissemination of that technology through a multi-pronged education strategy to scientists around the world. ABC was intentionally designed to maximize scientific productivity and impact by adopting groundbreaking imaging technologies such as the next-generation adaptive optical multifunctional microscope, incorporating the high-level technical expertise of instrumentation scientists , applied mathematicians , and computational scientists , and building worldwide collaborations aimed at tackling the challenges posed by terabyte and petabyte-scale imaging data processing, visualization, and dissemination. You will have access to leading - edge imaging and computing hardware, as well as exposure to the Bay Area's brightest minds from a range

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of diverse disciplines, including in the fields of Artificial Intelligence, Data Science, Mathematics, and more.

The positions involve close collaboration on a number of new and ongoing empirical projects in the fields of microscopy and data analysis. The incumbent will work on tera-to-petabyte scale research data and will have the opportunity to gain exposure to and training with a broad set of research topics and methodologies. The roles exercise judgment within generally defined practices and policies in selecting methods and techniques for obtaining solutions.

The duties of the positions include:

- Develop new imaging and data processing tools
- Design, build, and maintain new software packages for efficient data processing.
- Be involved in the applications of these tools for biological imaging; collaborate with Postdocs and graduate students on specific projects to test, learn and implement for general and specific use cases.
- Train and assist students and researchers in the use of software applications
- Train and assist users with their imaging or data processing tasks.

General organization and management of software documentation

This position provides full benefits.

Lab: https://abc.berkeley.edu/

Contract: https://ucnet.universityofcalifornia.edu/resources/employment-policies-contracts/bargaining-units/academic-researchers/contract/

Qualifications
Basic qualifications (required at time of application)
Bachelor's degree (or equivalent international degree)

Additional qualifications (required at time of start)
Master's degree (or equivalent international degree) OR Bachelor's degree (or equivalent international) degree plus 3 years of experience

Preferred qualifications

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- Degree field of computational biology, computer science, math, physics or related field
- Research experience in computational biology, computer science, math, physics or related field
- Experience with programming (C++, Labview, MATLAB, python).
- Experience with design, documentation, testing and implementation of high performance software for image processing
- Experience with CI/CD for software deployment.
- Experience developing software for tera-to petabyte scale imaging applications.

Ability to work on a number of projects simultaneously.

Application Requirements

Document requirements

- Curriculum Vitae - Your most recently updated C.V.
- Cover Letter
- Statement of Research
- 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

- 3-5 required (contact information only)

Apply link: https://aprecruit.berkeley.edu/JPF04617

Help contact: harrisonmd@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).

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The University of California, Berkeley is an Equal Opportunity 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 and Nondiscrimination in Employment 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, or local government directives may impose additional requirements.

As a condition of employment, the finalist will be required to disclose if they are subject to any final administrative or judicial decisions within the last seven years determining that they committed any misconduct, are currently being investigated for misconduct, left a position during an investigation for alleged misconduct, or have filed an appeal with a previous employer.

- "Misconduct" means any violation of the policies or laws governing conduct at the applicant's previous place of employment, including, but not limited to, violations of policies or laws prohibiting sexual harassment, sexual assault, or other forms of harassment, discrimination, dishonesty, or unethical conduct, as defined by the employer.
- UC Sexual Violence and Sexual Harassment Policy
- UC Anti-Discrimination Policy for Employees, Students and Third Parties
- APM - 035: Affirmative Action and Nondiscrimination in Employment

Job location
Berkeley, CA

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Contact Information

Contact

N/A
University of California Berkeley

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