

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

Direct Link: <https://www.AcademicKeys.com/r?job=247997>

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Posted Oct. 31, 2024, set to expire Nov. 15, 2024

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

Department Molecular and Cell Biology

Institution University of California Berkeley
Berkeley, California

Date Posted Oct. 31, 2024

Application Deadline 11/15/2024

Position Start Date Available immediately

Job Categories Research Scientist/Associate

Academic Field(s) Physics - General
Mathematics/Applied Mathematics
Biology - Computational
Biology - General

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Job Description

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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. 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

Next review date: Friday, Nov 15, 2024 at 11:59pm (Pacific Time)

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

Final date: Friday, Nov 15, 2024 at 11:59pm (Pacific Time)

Applications will continue to be accepted until this date.

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

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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 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)

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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

- 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

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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, or local government directives may impose additional requirements.

Job location

Berkeley, CA

To apply, visit <https://aprecruit.berkeley.edu/JPF04617>

Contact Information

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

Contact

N/A



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