

Staff Research Associate 1 (9613C), Molecular & Cell  
Biology - 65167  
University of California, Berkeley

Direct Link: <https://www.AcademicKeys.com/r?job=242584>

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Posted Aug. 1, 2024, set to expire Nov. 28, 2024

<b>Job Title</b>	Staff Research Associate 1 (9613C), Molecular & Cell Biology - 65167
<b>Department</b>	
<b>Institution</b>	University of California, Berkeley Berkeley, California
<b>Date Posted</b>	Aug. 1, 2024
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available immediately
<b>Job Categories</b>	Professional Staff
<b>Academic Field(s)</b>	Research/Technical/Laboratory
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**Job Description**

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**About Berkeley**

At the University of California, Berkeley, we are committed to creating a community that fosters equity of experience and opportunity, and ensures that students, faculty, and staff of all backgrounds feel safe, welcome and included. Our culture of openness, freedom and belonging make it a special place for students, faculty and staff.

The University of California, Berkeley, is one of the world's leading institutions of higher education, distinguished by its combination of internationally recognized academic and research excellence; the

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transformative opportunity it provides to a large and diverse student body; its public mission and commitment to equity and social justice; and its roots in the California experience, animated by such values as innovation, questioning the status quo, and respect for the environment and nature. Since its founding in 1868, Berkeley has fueled a perpetual renaissance, generating unparalleled intellectual, economic and social value in California, the United States and the world.

We are looking for equity-minded applicants who represent the full diversity of California and who demonstrate a sensitivity to and understanding of the diverse academic, socioeconomic, cultural, disability, gender identity, sexual orientation, and ethnic backgrounds present in our community. When you join the team at Berkeley, you can expect to be part of an inclusive, innovative and equity-focused community that approaches higher education as a matter of social justice that requires broad collaboration among faculty, staff, students and community partners. In deciding whether to apply for a position at Berkeley, you are strongly encouraged to consider whether your values align with our [Guiding Values and Principles](#), our [Principles of Community](#), and our [Strategic Plan](#).

At UC Berkeley, we believe that learning is a fundamental part of working, and our goal is for everyone on the Berkeley campus to feel supported and equipped to realize their full potential. We actively support this by providing all of our staff employees with at least 80 hours (10 days) of paid time per year to engage in professional development activities. To find out more about how you can grow your career at UC Berkeley, visit [grow.berkeley.edu](http://grow.berkeley.edu).

### Departmental Overview

The Department of Molecular and Cell Biology (MCB) is one of UC Berkeley's largest academic departments and is by several measures (including number of the faculty and students, budget, and assigned square feet), larger than many UCB colleges and schools.

MCB is divided into six divisions: Biochemistry, Biophysics & Structural Biology (BBS); Cell Biology, Development & Physiology (CDP); Genetics, Genomics, Evolution, and Development (GGED); Immunology and Molecular Medicine (IMM); Neurobiology (NEU); and Molecular Therapeutics (MTx).

The teaching and research activities of the Department of MCB concern the molecular structures and processes of cellular life and their roles in the function, reproduction, and development of living organisms.

### Application Review Date

The First Review Date for this job is: March 5, 2024

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## Responsibilities

### Lab Research:

- Work as part of a team with senior staff to produce and characterize monoclonal antibodies, including immunization and bleeding of mice, assaying serum for antibody content by ELISA, and performing cell fusion.
- Extract and purify genomic and plasmid DNA and assist with recombinant DNA work.
- Conduct RT-qPCR, restrict fragment mapping, PCR, and DNA sequencing.
- Prepare bacterial broth and pour agar plates.
- Prepare agarose gels for DNA analysis.
- Work independently after consultation with senior staff, pre-run experiments to determine optimal conditions for classroom application.

### Teaching Laboratory Preparation:

- Under the direction of senior staff and working as part of a cooperative team, meet with senior staff on a regular basis to discuss the preparation of lab exercises and meets with faculty and GSIs to fine tune lab preparations.
- Review the schedule of lab exercises and prepares materials required for class experiments in immunology.
- Follow procedures in preparation manual, gather and prepare materials needed for the setup of the weekly laboratory exercises.
- Prepare a wide range of complex solutions, sterile media, and biological reagents.
- Set out instruments and supplies in required quantities and in working condition in a timely manner.
- Replenish depleted supplies in between laboratory sessions.
- Disassemble and clean used instruments and materials and return them to proper storage space.

### Mammalian Cell Culture:

- Assist senior staff with mammalian cell cultures.
- Prepare and dispense media and other reagents.
- Sterilize materials and solutions used in cell culture.
- Initiate feed, passage, and freeze cultures as needed.
- Maintain cell lines used in class.

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**Laboratory Maintenance and General Housekeeping:**

- Maintain cleanliness of work areas and classrooms.
- Organize work and storage space to promote efficient and orderly function of the preparation room and classrooms.
- Perform inventory projects of chemicals, supplies and equipment including updating inventory in EXCEL and report to senior staff regarding restocking or replacement to avoid deficiencies.
- Obtain needed items from the storeroom or local shops.
- Pack and label laboratory waste as instructed.
- Work with senior staff and safety officer to ensure classroom and preparation room are free of hazards and laboratory practices are in compliance with campus Environment, Health & Safety regulations.
- Participate in end-of-the-semester projects.
- Clean and realign microscopes and clean water baths, PH meters, and other instruments every semester.
- Check pipetmen for accuracy, etc.

**Miscellaneous Duties:**

- Assist senior staff in special projects related to the courses.
- Assist senior staff in preparation of student manual and prep manual.
- Copy handouts and other materials for the classrooms.

**Computer Competency:**

- Use email to send and receive memo related to job duties.
- Use Word to update preparation and solution protocols.
- Use EXCEL to maintain inventories for the class.
- Prepare labels for classroom equipment.
- Help other classes supported by the unit as need arises.
- Complete other duties as assigned

**Required Qualifications**

- Experience in preparing large quantities of complex solutions, sterile media and biological reagents.

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- Experience in using and maintaining a wide variety of instruments and equipment including spectrophotometers, thermal cyclers, microplate readers, microscopes, centrifuges, power supplies, gel boxes, and microscopes.
- Proficient computer skills in MS Word, Excel.
- Demonstrated organizational skills and attention to detail.
- Ability to carefully follow instructions for setting up experiments.
- Ability to ensure that all materials are ready and properly prepared so that students will be successful in their laboratory experiments.
- Effective oral and written communication skills, and ability to develop and maintain cooperative, effective working relationships with faculty, students, supervisors, GSIs, and team members.
- Ability to consistently exercise a high degree of professionalism in relating to students, graduate student instructors, faculty, and co-workers.
- Demonstrated initiative, flexibility, and resourcefulness in approaching problems.
- Ability to stay abreast of rapidly changing technology and tools, and to adapt work methods as needed.

Education/Training:

- Bachelor's degree in Molecular and Cell Biology, the biological sciences, or a related field and/or equivalent experience/training.

**Preferred Qualifications**

- Experience working in instruction, or in an academic department of a large institution.
- Background and/or coursework in immunology.
- Completion of immunology related lab courses.

**Salary & Benefits**

For information on the comprehensive benefits package offered by the University, please visit the University of California's [Compensation & Benefits](#) website.

Under California law, the University of California, Berkeley is required to provide a reasonable estimate of the compensation range for this role and should not offer a salary outside of the range posted in this job announcement. This range takes into account the wide range of factors that are considered in

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making compensation decisions including but not limited to experience, skills, knowledge, abilities, education, licensure and certifications, analysis of internal equity, and other business and organizational needs. It is not typical for an individual to be offered a salary at or near the top of the range for a position. Salary offers are determined based on final candidate qualifications and experience.

The budgeted salary or hourly range that the University reasonably expects to pay for this position is \$25.75 (step 1.0) - \$28.70 (step 6.0).

- This is a 50%, part-time (20 hours per week), partial-year career position that is eligible for UC benefits.
- This position is non-exempt and paid bi-weekly.
- This position includes a one-month furlough during the summer.

### **How to Apply**

To apply, please submit your resume and cover letter.

### **Other Information**

This position is governed by the terms and conditions in the agreement for the Research Support Professionals Unit (RX) between the University of California and the University Professional and Technical Employees (UPTA). The current bargaining agreement manual can be found at: <http://ucnet.universityofcalifornia.edu/labor/bargaining-units/rx/index.html>.

### **Equal Employment Opportunity**

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, or protected veteran status. For more information about your rights as an applicant, please see [the U.S. Equal Employment Opportunity Commission](#) poster.

For the complete University of California nondiscrimination and affirmative action policy, please see the University of California [Discrimination, Harassment, and Affirmative Action in the Workplace](#) policy.



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**To apply, visit**

[https://careerspub.universityofcalifornia.edu/psc/ucb/EMPLOYEE/HRMS/c/HRS\\_HRAM\\_FL.HRS\\_CG\\_S](https://careerspub.universityofcalifornia.edu/psc/ucb/EMPLOYEE/HRMS/c/HRS_HRAM_FL.HRS_CG_S)

### 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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