

Staff Scientist (9610C), Innovative Genomics Institute -
74193
University of California, Berkeley

Direct Link: <https://www.AcademicKeys.com/r?job=248388>

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Posted Nov. 7, 2024, set to expire Mar. 6, 2025

Job Title	Staff Scientist (9610C), Innovative Genomics Institute - 74193
Department	Innovative Genomics Institute
Institution	University of California, Berkeley Berkeley, California
Date Posted	Nov. 7, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professional Staff
Academic Field(s)	Biology - Molecular Biology - Microbiology Biology - General
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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.

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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 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.

Departmental Overview

The Innovative Genomics Institute (IGI) is composed of diverse researchers at the University of California, Berkeley, the University of California, San Francisco, and the University of California, Davis. Together, our scientists have powerful combined expertise. They conduct world-class research, driven by the real possibility of using genome engineering to treat human diseases, end hunger, and respond to climate change.

Position Summary

The Staff Scientist (Staff Research Associate 4) will join a research group focused on investigating microbial biology, molecular biology, and executing high-throughput DNA sequencing experiments. Responsible for leading the execution of research projects or major portions thereof, contributing original ideas of major methodological significance. Lead a new area of research within the lab, and

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supervise junior researchers, associates, and undergraduates.

Application Review Date

The First Review Date for this job is: 11/19/2024.

Responsibilities

Project Leadership and Execution:

- Direct and take charge of the execution of complex research projects, including the development of original methodologies for the precise manipulation of microbial communities.
- Plan, design, and independently conduct experiments, drawing upon extensive knowledge of microbial biology, molecular genetics, and high-throughput DNA sequencing.
- Responsible for research initiatives in developing advanced genetic manipulation tools for microbial communities using cutting-edge techniques such as CRISPR/Cas- and CAST-based systems.
- The focus will be on creating innovative methodologies for precise editing and functional studies of diverse microbial species.
- Analyze data, interpret results, and contribute to the advancement of research goals, making significant original contributions.

Method Development and Innovation:

- Contribute original ideas and develop innovative methodologies of major significance in microbial biology and molecular genetics.
- Standardize and refine new techniques and adapt them for use by the research team.
- Collaborate with computational biologists to analyze large-scale genomic datasets, identifying key molecules and pathways involved in microbial processes and interactions with other microbiome members.

Mentorship and Team Leadership:

- Lead a small team, including junior researchers, associates, and undergraduates.
- Provide guidance, set research priorities, and oversee project timelines.
- Mentor junior staff and facilitate a collaborative and productive work environment

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Training and Development:

- Provide comprehensive training for new lab members in advanced techniques, protocols, and safety procedures.
- Facilitate the professional development of research personnel to maintain a high standard of work quality

Lab Management:

- Oversee and manage daily laboratory operations, including equipment maintenance, inventory management, and safety protocol enforcement.
- Coordinate lab schedules and resources, ensure compliance with regulatory standards, and implement new lab management strategies to improve efficiency and research output.

Reporting and Publications:

- Prepare comprehensive reports on all phases of research projects, contributing to scientific journal articles.
- Take a lead role in drafting publications and presenting findings at scientific conferences

Required Qualifications

- Extensive expertise in microbial biology, phage biology, molecular biology, CRISPR and CAST-based genome editing and high-throughput DNA sequencing techniques.
- Experience in cultivating microbial communities, including isolation, culture maintenance, and growth optimization under various conditions.
- Strong leadership skills with the ability to lead collaborations and manage projects.
- Advanced degree in Cellular and Molecular Biotechnology, Microbiology, Bioengineering, or a related field and/or equivalent experience/training.

Salary & Benefits

This is a 100% full-time (40 hrs a week) exempt career position, which is paid monthly and eligible for UC Benefits.

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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 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 annual salary that the University reasonably expects to pay for this position is \$73,077.46 (Step 1) - \$96,377.52 (Step 15).

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 (UPTe). 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 https://apptrkr.com/get_redirect.php?id=5785795&targetURL=U.S. Equal Employment Opportunity Commission poster.

The [University of California's Affirmative action policy](#).

The [University of California's Anti-Discrimination policy](#)



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To apply, visit

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