

Assistant Project Scientist Microbiome research,  
Bioinformatics, Systems Biology Innovative Genomics  
Institute  
University of California Berkeley

Direct Link: <https://www.AcademicKeys.com/r?job=246885>

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Posted Oct. 10, 2024, set to expire Nov. 9, 2024

**Job Title** Assistant Project Scientist Microbiome research,  
Bioinformatics, Systems Biology Innovative Genomics  
Institute

**Department** Innovative Genomics Institute

**Institution** University of California Berkeley  
Berkeley, California

**Date Posted** Oct. 10, 2024

**Application Deadline** 11/09/2024

**Position Start Date** Available immediately

**Job Categories** Research Scientist/Associate

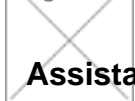
**Academic Field(s)** Biology - General

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**Job Description**

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**Assistant Project Scientist Microbiome research, Bioinformatics, Systems Biology Innovative Genomics Institute**

**Position overview Position title:** Assistant Project Scientist

**Salary range:** The UC academic salary scales set the minimum pay determined by rank and step at appointment. See the following table for the current salary scale for this position:

[https://www.ucop.edu/academic-personnel-programs/\\_files/2024-25/july-2024-scales/t37-b.pdf](https://www.ucop.edu/academic-personnel-programs/_files/2024-25/july-2024-scales/t37-b.pdf).

The current base salary range for this position is \$74,100 - \$90,000. "Off-scale" salaries, which yield

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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:** December 2024

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

**Application Window**

**Open date:** October 9, 2024

**Next review date:** Wednesday, Oct 23, 2024 at 11:59pm (Pacific Time)

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

**Final date:** Saturday, Nov 9, 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 Ronda lab at the Innovative Genomics Institute at UC Berkeley is seeking a highly motivated Assistant Project Scientist to join our multidisciplinary lab. Our research focuses on mapping the human-microbiome interactome using Systems Biology and Synthetic Biology. Our lab develops novel technologies to engineer and modulate microbiomes. We employ multiple model system such as mouse models and gut organoids to understand the fundamental mechanisms of host-microbiome communication and their implications for human health and disease. We are multidisciplinary lab and for this position we are seeking people with diverse backgrounds including synthetic biology, microbiology/microbiome, systems biology, computer science/bioinformatics/AI.

The individual in this position will contribute to research that spans two primary areas:

1. Metagenomics, Metaproteomics, and Mobile Genetic Elements: The work will involve exploring the genetic landscape of microbiomes, focusing on the interactions and functions of mobile genetic elements. This includes analyzing complex datasets to identify new genetic sequences, proteins, and molecular pathways that play key roles in microbial ecosystems. The research aims to advance the understanding of these systems at a fundamental level and provide insights that

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could have far-reaching implications in areas such as microbial genetics, host-microbe interactions, and biotechnology.

2. Characterization of the Immune-Microbiome Axis Using OMICS Technologies: The position will also involve studying the intricate relationship between the immune system and the microbiome. This work will integrate various high-throughput OMICS technologies, such as genomics, transcriptomics, proteomics, and metabolomics, to characterize how microbes influence immune responses and vice versa. By applying these cutting-edge methodologies, the research seeks to uncover novel mechanisms that regulate immune-microbiome communication, which may contribute to advancements in health, disease prevention, and therapeutic development.

#### Responsibilities:

- Design and execute bioinformatics and metagenomics projects.
- Integrating multi-OMICS data
- Develop machine learning tools
- Mentor students and contribute to grant proposals.
- Publish high-impact papers

#### Qualifications

**Basic qualifications** (required at time of application)

PhD (or equivalent international degree) or enrolled in a PhD (or equivalent) program

**Additional qualifications** (required at time of start)

PhD (or equivalent international degree)

#### Preferred qualifications

- PhD in Genetics, Bioinformatics, Microbiology, or a related field.
- Expertise in bioinformatics, metagenomics, and microbiome research.
- Strong publication record in peer-reviewed journals.
- Experience with computational strategies for identifying and validating small genes.
- Strong analytical and problem-solving skills.
- Familiarity with OMICS technologies, data analysis and machine learning.
- Demonstrated ability to work independently and as part of a team.

#### Application Requirements

#### Document requirements

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

- 2 required (contact information only)

**Apply link:** <https://aprecruit.berkeley.edu/JPF04621>

**Help contact:** [cronda@berkeley.edu](mailto:cronda@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/JPF04621>

**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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