

Junior/Assistant Specialist - molecular genetics of growth regulation and development in Drosophila - Molecular & Cell Biology
University of California Berkeley

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Posted Jun. 7, 2024, set to expire Jun. 30, 2024

Job Title Junior/Assistant Specialist - molecular genetics of growth regulation and development in Drosophila - Molecular & Cell Biology

Department

Institution University of California Berkeley
Berkeley, California

Date Posted Jun. 7, 2024

Application Deadline 07/06/2024

Position Start Date Available immediately

Job Categories Research Scientist/Associate

Academic Field(s) Biology - Molecular
Biology - Cell Biology
Biology - Biochemistry

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Job Description

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Junior/Assistant Specialist - molecular genetics of growth regulation and development in Drosophila - Molecular & Cell Biology

Position overview Position title: Junior/Assistant Specialist

Salary range: The UC academic salary scales set the minimum pay determined by rank and step at

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appointment. See the following table(s) for the current salary scale(s) for this position:

https://www.ucop.edu/academic-personnel-programs/_files/2023-24/july-2023-acad-salary-scales/t24-b.pdf. A reasonable estimate for this position is \$51,300-\$59,200

Percent time: 100%

Anticipated start: Summer 2024

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

Application Window

Open date: June 6, 2024

Most recent review date: Thursday, Jun 20, 2024 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: Saturday, Jul 6, 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 Department of Molecular and Cellular Biology at the University of California, Berkeley seeks applications for a Junior/Assistant Specialist in the Hariharan Lab, in the area of molecular genetics of growth regulation and development in Drosophila.

The Hariharan Lab uses Drosophila to investigate the mechanisms that regulate tissue growth and regeneration. Specifically, the lab aims to identify genes that regulate developmental or regenerative growth. This is accomplished by disrupting the function of genes using chemical mutagenesis, RNAi or CRISPR and then evaluating the effect of this disruption on tissue growth and regeneration. In addition to using genetic approaches the lab uses single-cell RNAseq to identify the characteristics of individual cells that participate in growth or regeneration.

The duties of the position include:

- Conducting research that investigates growth and regeneration of Drosophila imaginal discs.

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- Conducting genetic experiments in Drosophila that involve the setting up, execution and interpretation of genetic crosses. Many experiments involve the dissection of Drosophila larval tissues and adult tissues, their analysis by immunohistochemistry, and visualization using confocal microscopy. The technique of visualization of gene expression using the hybridization chain reaction (HCR) is routinely used in the laboratory.
- Using single-cell RNA seq data to generate hypothesis-driven genetic experiments
- Use of software that uses the R programming language to analyze single-cell data
- Preparing data for verbal presentation, and figures and manuscripts, for submission to peer-reviewed journals.
- Conducting research in a collaborative environment with an appreciation for lab safety and an environment that values equity, inclusion and diversity.

Assisting and participating in the maintenance and running of the lab

This position provides full benefits.

Lab: <https://mcb.berkeley.edu/labs/hariharan/>

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 enrolled in a Bachelor's degree program, or equivalent international degree.

Additional qualifications (required at time of start)

Bachelor's Degree or equivalent international degree

Preferred qualifications

Bachelor's degree in an area of molecular and cell biology such as biochemistry, genetics or cell biology, or related field.

Upper division course in genetics is strongly preferred.

Coursework in molecular biology and biochemistry.

Proficiency in bioinformatics.

Computational analysis of datasets.

Experience working in a research lab.

Basic molecular biology techniques.

Ability to design and interpret experiments.

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Ability to prepare figures for manuscripts.

Demonstrated proficiency to work as part of a research team.

Productivity as assessed by generation of data that will be included in publications in either peer-reviewed journal or in a preprint server such as BioRxiv that are broadly related to the questions being addressed in the Hariharan Lab.

Application Requirements

Document requirements

- Curriculum Vitae - Your most recently updated C.V.
- Cover Letter
- Statement of Research (Optional)
- Statement on Contributions to Advancing Diversity, Equity, and Inclusion - Statement on your contributions to diversity, equity, and inclusion, including information about your understanding of these topics, your record of activities to date, and your specific plans and goals for advancing equity and inclusion if hired at Berkeley. [More Information and guidelines](#). (Optional)

Reference requirements

- 3-5 required (contact information only)

Apply link: <https://aprecruit.berkeley.edu/JPF04454>

Help contact: ikh@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

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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/JPF04454>

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Contact Information

Please reference Academickeys in your cover letter when

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applying for or inquiring about this job announcement.

Contact

N/A

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