

Assistant Project Scientist Evolutionary Cell Biology -
Heald Lab - Department of Molecular and Cell Biology
University of California Berkeley

Direct Link: <https://www.AcademicKeys.com/r?job=249473>

Downloaded On: Nov. 23, 2024 1:51am

Posted Nov. 22, 2024, set to expire Dec. 21, 2024

Job Title	Assistant Project Scientist Evolutionary Cell Biology - Heald Lab - Department of Molecular and Cell Biology
Department	
Institution	University of California Berkeley Berkeley, California
Date Posted	Nov. 22, 2024
Application Deadline	12/21/2024
Position Start Date	Available immediately
Job Categories	Research Scientist/Associate
Academic Field(s)	Biology - Cell Biology Biology - General
Apply Online Here	https://apptrkr.com/5824687
Apply By Email	
Job Description	

Image not found or type unknown



**Assistant Project Scientist Evolutionary Cell Biology - Heald Lab - Department of Molecular and
Cell Biology**

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(s) for the current salary scale(s) for this position:

https://www.ucop.edu/academic-personnel-programs/_files/2024-25/july-2024-scales/t37-b.pdf

Assistant Project Scientist Evolutionary Cell Biology -
Heald Lab - Department of Molecular and Cell Biology
University of California Berkeley

Direct Link: <https://www.AcademicKeys.com/r?job=249473>

Downloaded On: Nov. 23, 2024 1:51am

Posted Nov. 22, 2024, set to expire Dec. 21, 2024

. A reasonable estimate for this position is \$74,100-\$85,900.

Percent time: 100%

Anticipated start: Spring/Summer 2025

Review timeline: One year with the possibility of extension based on performance and availability of funding.

Application Window

Open date: November 21, 2024

Next review date: Friday, Dec 6, 2024 at 11:59pm (Pacific Time)

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

Final date: Saturday, Dec 21, 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 Cell Biology at the University of California, Berkeley seeks applications for an Assistant Project Scientist in the Heald Lab, in the area of evolutionary cell biology.

The scientific goal of the Heald Lab is to leverage amphibian systems to elucidate molecular mechanisms of cell division and size control, as well as the contribution of genome size and content to organism physiology. Unique and interdisciplinary approaches take advantage of cytoplasmic extracts prepared from eggs of the frog *Xenopus laevis* that reconstitute mitotic chromosome condensation and spindle assembly and function in vitro. To study mechanisms of spindle and organelle size control, a smaller, related frog, *Xenopus tropicalis*, has been used to investigate interspecies scaling, and extracts prepared from fertilized eggs at different stages of embryogenesis to study developmental scaling. This research has provided novel insight into cell division and morphogenesis, processes essential for viability and development, and defective in human diseases such as cancer.

This position will focus on a project examining how morphological changes at the subcellular level contribute to the very first steps of animal development. The transition from meiotic divisions in the oocyte to mitotic divisions in the zygote is one of the primary steps in this process. The goal of the project is to understand the regulatory mechanisms that drive this transition, and whether they are

Assistant Project Scientist Evolutionary Cell Biology -
Heald Lab - Department of Molecular and Cell Biology
University of California Berkeley

Direct Link: <https://www.AcademicKeys.com/r?job=249473>

Downloaded On: Nov. 23, 2024 1:51am

Posted Nov. 22, 2024, set to expire Dec. 21, 2024

conserved across chordates, examining cell division dynamics in both *Xenopus* and *Ciona* species.

The duties of the position include:

- Carrying out genetic, molecular biological and microscopy-based experiments in research studying the early steps in embryonic development of chordates, including *Xenopus* frogs and the sea squirt *Ciona*
- Designing, executing and troubleshooting experiments including but not limited to dissections, immunostaining, advanced microscopy, molecular biology, and biochemical reconstitution
- Managing and analyzing data
- Pursuing publication of research in peer-reviewed journals
- Attending and actively supporting scientific seminars, workshops, team meetings and other venues for presentations of results
- Developing and maintaining collaborative research relationships
- Pursuing additional funding opportunities consistent with existing and future research programs and goals
- Developing and troubleshooting new related research directions

Training and mentoring lab members

This position provides full benefits.

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

Contract: <https://uaw5810.org/ar-contract-2022/>

Qualifications

Basic qualifications (required at time of application)

PhD (or equivalent international degree)

Preferred qualifications

- PhD or equivalent international degree in Molecular Genetics, Cell Biology, Developmental Biology, Biochemistry, or related field
- Experience publishing lead author primary research in peer-reviewed journals.
- Experience collaborating with other scientists
- Experience working with frogs (*Xenopus*)
- Experience working with sea squirts (*Ciona*)

Assistant Project Scientist Evolutionary Cell Biology -
Heald Lab - Department of Molecular and Cell Biology
University of California Berkeley

Direct Link: <https://www.AcademicKeys.com/r?job=249473>

Downloaded On: Nov. 23, 2024 1:51am

Posted Nov. 22, 2024, set to expire Dec. 21, 2024

- Experience with preparing samples for proteomic analysis
- Experience with analyzing cell dynamics data using confocal microscopy and time-lapse imaging
- Track record of excellence in mentored research program
- Demonstrated ability to effectively communicate, participate in efficient and open collaboration, and enjoy engaging with a diverse group of researchers.
- Self-motivated, interactive, and meticulous approach to tasks and the ability to work both independently and as part of a team

Innovative and able to synergize various ideas and approaches, while exercising sound judgment to evaluate and take acceptable risks.

Application Requirements

Document requirements

- 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](#). (Optional)

Reference requirements

- 3-5 required (contact information only)

Apply link: <https://aprecruit.berkeley.edu/JPF04712>

Help contact: bheald@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



Assistant Project Scientist Evolutionary Cell Biology -
Heald Lab - Department of Molecular and Cell Biology
University of California Berkeley

Direct Link: <https://www.AcademicKeys.com/r?job=249473>

Downloaded On: Nov. 23, 2024 1:51am

Posted Nov. 22, 2024, set to expire Dec. 21, 2024



Assistant Project Scientist Evolutionary Cell Biology -
Heald Lab - Department of Molecular and Cell Biology
University of California Berkeley

Direct Link: <https://www.AcademicKeys.com/r?job=249473>

Downloaded On: Nov. 23, 2024 1:51am

Posted Nov. 22, 2024, set to expire Dec. 21, 2024



Assistant Project Scientist Evolutionary Cell Biology -
Heald Lab - Department of Molecular and Cell Biology
University of California Berkeley

Direct Link: <https://www.AcademicKeys.com/r?job=249473>

Downloaded On: Nov. 23, 2024 1:51am

Posted Nov. 22, 2024, set to expire Dec. 21, 2024

Assistant Project Scientist Evolutionary Cell Biology -
Heald Lab - Department of Molecular and Cell Biology
University of California Berkeley

Direct Link: <https://www.AcademicKeys.com/r?job=249473>

Downloaded On: Nov. 23, 2024 1:51am

Posted Nov. 22, 2024, set to expire Dec. 21, 2024

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/JPF04712>

Assistant Project Scientist Evolutionary Cell Biology -
Heald Lab - Department of Molecular and Cell Biology
University of California Berkeley

Direct Link: <https://www.AcademicKeys.com/r?job=249473>

Downloaded On: Nov. 23, 2024 1:51am

Posted Nov. 22, 2024, set to expire Dec. 21, 2024

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

,