

Postdoctoral Scholar- Biology of Aging - Department of
Nutritional Science and Toxicology
University of California Berkeley

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Posted Jul. 9, 2021, set to expire Nov. 5, 2021

Job Title	Postdoctoral Scholar- Biology of Aging - Department of Nutritional Science and Toxicology
Department	
Institution	University of California Berkeley Berkeley, California
Date Posted	Jul. 9, 2021
Application Deadline	11/9/2021
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Toxicology Health Sciences - General
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Job Description

Postdoctoral Scholar- Biology of Aging - Department of Nutritional Science and Toxicology

The Department of Nutritional Sciences and Toxicology at the University of California, Berkeley seeks Postdoctoral Scholars to join an interdisciplinary research team study and to work under the supervision of Professor Danica Chen, in the area of biology of aging, at 100% time with an expected start date of January 1, 2021 or later.

One of the most fundamental questions in biology is how we age. The past decades have witnessed a significant revision of a traditional view that aging is simply a random and passive process that is solely driven by entropy. In fact, the aging process is regulated genetically and lifespan can be extended by single gene mutations. Our research aims to understand molecular and cellular mechanisms that

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regulate the aging process and explore therapeutic targets to slow aging and even reverse aging-associated degeneration. The most intriguing aspect of pharmaceutical intervention that targets the aging pathways is that, instead of targeting a specific disease, it has the potential of ameliorating a wide array of seemingly unrelated diseases associated with aging, such as cancer, tissue degeneration, metabolic syndrome, and immune dysfunction.

This position involves laboratory work on a daily basis. The employee will perform studies in the laboratory to examine the molecular and cellular mechanisms that regulate aging and diseases of aging using mouse models and cell culture.

Specific duties of the position will include:

- * Implementation of experiments to examine the effects of genetic manipulations on hallmarks of aging and diseases of aging
- * Data analyses and recording
- * Participate in and present results at lab meetings and in discussions with the PI
- * Mentor undergraduate students as well as write manuscripts

Basic Qualifications (By time of application):

- * PhD (or equivalent international degree) or enrolled in a PhD degree program or equivalent international degree) at the time of application

Additional Qualifications (By start date):

- * PhD (or equivalent international degree) by start date
- * The candidate should have no more than four years of post-degree research experience by start date

Preferred Qualifications (By start date):

- * Demonstrated experience with cell culture
- * Demonstrated experience with standard molecular biology techniques, including cloning, PCR, electrophoresis, Western blot
- * Demonstrated experience with standard cell biology techniques, including flow cytometry, immunofluorescence staining

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- * Demonstrated experience with phenotyping of mouse models
- * Demonstrated experience with genomics and bioinformatics
- * Demonstrated experience with metabolomics

Appointment:

This position reports to Dr. Danica Chen. The initial appointment will be at 100% time for one year with the possibility of extension based on satisfactory performance and availability of funding.

Salary and Benefits: Salary will be commensurate with qualifications and experience and based on UC Berkeley Postdoctoral salary scale. Generous benefits are included

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Specific questions regarding the position can be directed to Professor Chen,

(https://apptrkr.com/get_redirect.php?id=2357211&targetURL=mailto:danicac@berkeley.edu rel="nofollow">danicac@berkeley.edu)

([mailto:\[https://apptrkr.com/get_redirect.php?id=2357211&targetURL=mailto:danicac@berkeley.edu\]](https://apptrkr.com/get_redirect.php?id=2357211&targetURL=mailto:danicac@berkeley.edu) rel="nofollow">danicac@berkeley.edu).

This recruitment will remain open until filled. The position start date may be moved to accommodate COVID-19 related delays relating to travel to the UC Berkeley campus.

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, age or protected veteran status.

For the complete University of California nondiscrimination and affirmative action policy see:

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The department is interested in candidates who will contribute to diversity and equal opportunity in higher education through their work.

University of California Postdoctoral Scholars are exclusively represented by the United Automobile, Aerospace and Agricultural Implement Workers of America (UAW). The union's (UAW 5810) website is [\[url=https://apptrkr.com/get_redirect.php?id=2357211&targetURL=http://uaw5810.org/](https://apptrkr.com/get_redirect.php?id=2357211&targetURL=http://uaw5810.org/)

[rel="nofollow"\]http://uaw5810.org/](http://uaw5810.org/). Details concerning your benefits as a Postdoctoral Scholar are set forth in Article 3, "Benefits," of the UC-UAW Local 5810 Collective Bargaining Agreement (CBA). A copy of the CBA between the University of California and the UAW is located at:

[\[url=https://apptrkr.com/get_redirect.php?id=2357211&targetURL=http://ucnet.universityofcalifornia.edu/labor/units/px/index.html](https://apptrkr.com/get_redirect.php?id=2357211&targetURL=http://ucnet.universityofcalifornia.edu/labor/units/px/index.html) [rel="nofollow"\]http://ucnet.universityofcalifornia.edu/labor/bargaining-units/px/index.html](http://ucnet.universityofcalifornia.edu/labor/bargaining-units/px/index.html).

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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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