Postdoc Employee - Quantitative ecology - ESPM: Organisms & The Environment
University of California Berkeley

Job Title	Postdoc Employee - Quantitative ecology - ESPM: Organisms & The Environment
Department	Environmental Science, Policy, and Management
Institution	University of California Berkeley Berkeley, California
Date Posted	Mar. 24, 2025
Application Deadline	04/21/2025
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Environmental Science & Ecology
Apply Online Here	https://apptrkr.com/6096099
Apply By Email	
Job Description	

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Position overview

Position title: Postdoc Employee
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/oct-2024-scales/t23.pdf. A reasonable estimate for this position is $66,737-$71,769.

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Percent time: 100

Anticipated start: Summer 2025

Position duration: 2 years with the possibility of extension based on performance and availability of funding.

Application Window
Open date: March 20, 2025

Next review date: Friday, Apr 4, 2025 at 11:59pm (Pacific Time)
Apply by this date to ensure full consideration by the committee.

Final date: Monday, Apr 21, 2025 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 Environmental Science, Policy, and Management (ESPM) at the University of California, Berkeley seeks applications for a Postdoc Employee in the Ruhi Lab, in the area of quantitative ecology. The postdoc will work on the project Time-series Analysis of Bay-Delta Flow-Ecology Relationships', which is part of a broader contract Options and Considerations for Broad Monitoring and Assessment Programs to Support Watershed-Wide Implementation of Instream Flow, Water Quality, and Related Requirements' funded by the State Water Resources Control Board (i.e., the "Water Board"). The project has three main goals: (1) Assimilate data streams from different long-term biomonitoring programs in the San Francisco Bay-Delta, which span spatial gradients, trophic levels (water quality, zooplankton, pelagic fish) and a wide range of sampling methods; (2) Use advanced time-series modeling techniques to understand ecological dynamics and food-web responses to freshwater flows; and (3) Build ecological modeling capacity in the Water Board via the production of training materials on time-series modeling techniques. The Postdoc employee will report to Albert Ruhi (UC Berkeley PI), and co-advised by Laura Twardochleb and Sam Bashevkin from the Environmental Program Managers at the Water Board.

Responsibilities:

Under the mentorship of the PI, the Postdoc will contribute to the project in three major ways: (1) Data analysis: collate, clean, and assimilate data from publicly-available biomonitoring programs in the San

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Francisco Bay-Delta ecosystem; (2) Research: Examine ecological dynamics via advanced time-series modeling techniques, including multivariate autoregressive methods, and publish results in peer-reviewed journals; (3) Capacity building: Writing and sharing materials such as presentations, R code, and other reference materials to Water Board scientists and staff to help increase capacity to apply time-series models to ecological data.

Qualifications
Basic qualifications (required at time of application)
PhD (or equivalent international degree) or enrolled in a PhD degree program (or equivalent international degree)

Additional qualifications (required at time of start)
PhD (or equivalent international degree) by the start date
No more than three years of post-degree research experience by start date

Preferred qualifications

- PhD in ecology, biostatistics, or a related field.
- Experience with statistical modeling and programming in R.
- Strong publication record in peer reviewed journals.
- Excellent writing and communication skills

Application Requirements

Document requirements

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

Reference requirements

- 3 required (contact information only)

Apply link: https://aprecruit.berkeley.edu/JPF04818

Help contact: albert.ruhi@berkeley.edu

About UC Berkeley

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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, or local government directives may impose additional requirements.

As a condition of employment, the finalist will be required to disclose if they are subject to any final administrative or judicial decisions within the last seven years determining that they committed any misconduct, are currently being investigated for misconduct, left a position during an investigation for alleged misconduct, or have filed an appeal with a previous employer.

- "Misconduct" means any violation of the policies or laws governing conduct at the applicant's previous place of employment, including, but not limited to, violations of policies or laws prohibiting sexual harassment, sexual assault, or other forms of harassment, discrimination, dishonesty, or unethical conduct, as defined by the employer.
- UC Sexual Violence and Sexual Harassment Policy
- UC Anti-Discrimination Policy for Employees, Students and Third Parties
- APM - 035: Affirmative Action and Nondiscrimination in Employment

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Job location
Berkeley, CA

To apply, visit https://aprecruit.berkeley.edu/JPF04818

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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