

Postdoctoral Scholar - Environmental Streamflow
Modeling - ESPM (Ecosystem Sciences) - Grantham Lab
University of California Berkeley

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Posted Dec. 8, 2025, set to expire Jan. 9, 2026

Job Title	Postdoctoral Scholar - Environmental Streamflow Modeling - ESPM (Ecosystem Sciences) - Grantham Lab
Department	Ecosystem Sciences
Institution	University of California Berkeley Berkeley, California
Date Posted	Dec. 8, 2025
Application Deadline	01/09/2026
Position Start Date	Available immediately
Job Categories	Post-Doc
Academic Field(s)	Water Resources Engineering Ecological and Environmental Engineering - Other
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Job Description

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Postdoctoral Scholar - Environmental Streamflow Modeling - ESPM (Ecosystem Sciences) - Grantham Lab

Position overview

Salary range: The UC Postdoc Salary scales set the minimum pay determined by experience level 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/2025-26/represented-oct-2025-scales/t23.pdf. A reasonable full- time salary estimate for this position is \$69,073-\$77,030.

Percent time: 100%

Anticipated start: Spring 2026

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

Application Window

Open date: December 4, 2025

Next review date: Friday, Dec 19, 2025 at 11:59pm (Pacific Time)

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

Final date: Friday, Jan 9, 2026 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

Postdoctoral Scholar - Environmental Streamflow Modeling - ESPM (Ecosystem Sciences) - Grantham Lab

The department of ESPM (Ecosystem Sciences) at the University of California, Berkeley seeks applications for a Postdoctoral Scholar in the Grantham Lab, in the area of environmental streamflow modeling. We are inviting applications for a postdoctoral scholar to join a research team working to quantify and implement environmental flows in California rivers. The postdoc will lead the development of statewide hydrologic models to predict seasonal flow dynamics in California streams.

Position Duties:

Under the mentorship of the PI, the candidate will compile relevant datasets and develop a hydrologic modeling approach to predict expected, natural streamflow across California's stream network, evaluate model uncertainty, and build reproducible and transparent modeling frameworks. The candidate will lead preparation of peer-reviewed manuscripts and have opportunities to explore independent lines of research inquiry. The candidate will interact extensively with project partners

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working on development of the California Environmental Flows Framework and will be based at UC Berkeley in the Department of Environmental Science, Policy, and Management. The candidate will also have opportunities to collaborate with researchers at the Eric and Wendy Schmidt Center for Data Science and the Environment.

Specific responsibilities of the position include:

- Collate, clean, and assimilate data from publicly-available sources
- Design, execution, and implementation of streamflow models for California rivers
- Evaluation of model prediction performance and uncertainty
- Generation of streamflow predictions for rivers
- Development of robust and transparent modeling framework and data pipelines
- Participation in regular research team meetings, including remote and in-person
- Presentation of results via presentations at regional, national and international academic conferences.
- Preparation of at least one manuscript for submission to peer-reviewed journal

Program: <https://ceff.ucdavis.edu/>

Department: <https://dse.berkeley.edu/>

Qualifications

Basic qualifications (required at time of application)

Ph.D. or equivalent international degree, or enrollment in a Ph.D. (or equivalent international) program.

Additional qualifications (required at time of start)

- Ph.D. (or equivalent international degree) required by the appointment start date.
- No more than three years of post-degree research experience by the start date.

Preferred qualifications

The ideal candidate will have a strong background in stream hydrology, hydrologic modeling, and data analytics, including machine learning and deep learning methods for time series prediction, and familiarity with environmental flow science.

- PhD in hydrology, water resources engineering, environmental sciences, data science, or a related field;
- Proven expertise in streamflow modeling, including statistical and physically-based modeling

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methods;

- Experience with machine learning methods, including deep learning for time series analysis and streamflow prediction
- Exceptional data management and analysis skills, including advanced statistical methods and computer programming;
- Experience or interest in learning open source software design and data curation practices;
- Experience or interest in developing expertise in environmental flow science;
- Excellent communication skills and the ability to work with a broad range of research and management partners in a collaborative environment;
- Strong track record of scholarly publications and other academic contributions;
- Be a compassionate, professional, and reliable team player who values creating and maintaining healthy relationships with colleagues, external collaborators, and stakeholders
- Have strong communication and diplomacy skills to give and receive feedback, celebrate successes, and constructively confront challenges

Application Requirements

Document requirements

- Curriculum Vitae - Your most recently updated C.V.
- Cover Letter - ("A strong and concise 1-2 page statement describing your interests and qualifications for the opportunity you are applying for")

Reference requirements

- 3 required (contact information only)

Apply link: <https://aprecruit.berkeley.edu/JPF05228>

Help contact: maryspenger@berkeley.edu

About UC Berkeley

UC Berkeley is committed to diversity, equity, inclusion, and belonging in our public mission of research, teaching, and service, consistent with [UC Regents Policy 4400](#) and University of California Academic Personnel policy ([APM 210 1-d](#)). These values are embedded in our [Principles of Community](#), which reflect our passion for critical inquiry, debate, discovery and innovation, and our deep

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commitment to contributing to a better world. Every member of the UC Berkeley community has a role in sustaining a safe, caring and humane environment in which these values can thrive.

The University of California, Berkeley is an Equal Opportunity 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 more information, please refer to the [University of California's Affirmative Action and Nondiscrimination in Employment 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.

Unless stated otherwise, unambiguously, in the position description, this position does not include sponsorship of a new consular H-1B visa petition that would require payment of the \$100,000 supplemental fee.

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.

- "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 or discrimination, as defined by the employer.
- [UC Sexual Violence and Sexual Harassment Policy](#)
- [UC Anti-Discrimination Policy](#)
- [APM - 035: Affirmative Action and Nondiscrimination in Employment](#)

Job location

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Berkeley, CA

To apply, visit <https://aprecruit.berkeley.edu/JPF05228>

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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