



Postdoctoral Researcher Position in Dryland Ecohydrology Modeling at UC Davis

We are seeking a Postdoctoral Researcher in Ecohydrology, supported by our recently awarded NSF grant “*Coupling Biocrusts and Vegetation Dynamics to Improve Predictions of Dryland Change*.” The successful candidate will be based at UC Davis and will work with a collaborative team led by Dr. Xiaoli Dong (UC Davis), along with Dr. Yufang Jin (UC Davis), Dr. Rachata Muneeppeerakul (University of Florida), Dr. Yu Zhang (Los Alamos National Laboratory), and Dr. Coraline Havrilla (Colorado State University).

The project focuses on developing ecohydrological models to investigate the mechanisms that drive vegetation spatial pattern formation in drylands and their responses to climate change. The research will integrate model results with regional scale remote sensing data.

An ideal candidate will have expertise in at least one of following areas: ecohydrological modeling, ecological modeling of spatial patterns, or remote sensing. The position is based in the Department of Environmental Science and Policy at UC Davis. The start date is negotiable, preferably in **Spring or Summer of 2025**. The initial appointment is for one year, with the possibility of extension for an additional year based on satisfactory performance. The annual salary ranges from \$64,480 to \$77,327, depending on the candidate’s experience. For more details on salary scales, please refer to the UCOP salary guidelines:

https://www.ucop.edu/academic-personnel-programs/_files/2023-24/oct-2023-acad-salary-scales/t23.pdf

Responsibilities:

The postdoctoral fellow will collaborate with the PIs to develop ecohydrological models that explore the mechanisms behind the spatial patterns of dryland plants and biological soil crusts and their ecological and hydrological consequences. We encourage candidates who can bring fresh ideas and expand the scope of the project.

How to apply:

To apply, please email a cover letter describing your background and interests in the position, along with your CV and contact information for three references, to Xiaoli Dong (xdong@ucdavis.edu). Review of applications will begin on December 1, 2024, and the position will remain open until filled

The University of California Davis is committed to maintain a diverse and inclusive work environment. All applicants are protected under federal law from discrimination based on race, color, religion, sex, national origin, disability, age, and genetics. UC Davis also provides reasonable accommodations to applicants with disabilities. If you require an accommodation at any stage of the application or hiring process, please contact the Office of Equity at dmshelp@ucdavis.edu. Requests for accommodations will be considered on a case-by-case basis.