

## Postdoctoral Scholar Position: Wildfire Effects on Ecosystem Carbon Dynamics



The [Fire & Dryland Ecosystems Lab](#) led by Dr. Erin Hanan in the [Department of Natural Resources and Environmental Sciences](#) at the [University of Nevada, Reno](#) invites applications for a Postdoctoral Scholar position starting in fall 2023. The postdoc will work on a project investigating how wildfire affects carbon cycling in Great Basin ecosystems. This NSF-funded project is a collaboration among the University of Nevada-Reno (UNR), the Desert Research Institute (DRI), and the University of Nevada Las Vegas. The postdoc will be using several high-resolution datasets from remote sensing and an array of sensors deployed in open air burn experiments to expand and improving land surface models to better capture fire effects on carbon source/sink dynamics.

We seek applicants with extensive experience in developing and running process-based, land surface models (e.g., RHESSys, CLM, ELM-FATES, etc.). The postdoc will have access to substantial existing data from past and ongoing studies, a network of unique study sites, and a dynamic team of investigators.

Successful applicants will be expected to work independently as well as collaboratively as a member of the research group, participate in model development, and publish research results. Candidates with a strong background in biogeochemistry and quantitative and/or programming skills are especially encouraged to apply.

### Requirements

- PhD in hydrology, engineering, ecology, environmental science, or a closely related discipline
- Experience working with process-based, ecosystem models
- Excellent written and computational skills

### Preferred skills

- Unix/Linux development experience using C and shell scripts
- Experience with R and GitHub

To express interest in the position, prospective postdocs should contact Dr. Hanan ([ehanan@unr.edu](mailto:ehanan@unr.edu)) prior to beginning a formal application and should email a description of research interests and professional goals and a CV.

*We encourage applicants from any race, color, religion, ethnic, gender, gender identity or expression, sexual orientation, disability, age, or veteran status.*