

NSF-funded postdoc position at Oregon State investigating the response of orographic precipitation to climate change

The College of Earth, Ocean, and Atmospheric Science at Oregon State University is seeking a postdoctoral scholar to join an NSF-funded project investigating the impacts of climate change on orographic precipitation in midlatitude mountain ranges. The postdoctoral scholar will work closely with Professor Nick Siler to design and run numerical simulations to evaluate different aspects of orographic precipitation change and quantify the influence of specific thermodynamic, dynamic, and microphysical mechanisms. Depending on the interests and skills of the successful applicant, opportunities may exist to expand the scope of the work to include tropical or idealized mountain ranges, or to investigate the impacts of orographic precipitation change on surface hydrology or precipitation isotope ratios.

Minimum qualifications:

- PhD in atmospheric sciences or related field
- Experience using numerical models
- Proficiency in python or Matlab
- Strong written and oral communication skills

Preferred qualifications:

- Experience running and analyzing output from the Weather Research and Forecasting (WRF) model
- Experience with high-performance computing environments

The initial appointment will be for 1 year, with the possibility of renewal for a second year subject to satisfactory performance. Salary will be commensurate with experience. The start date is negotiable but will ideally be January 1, 2023, or earlier.

Applications received by September 1, 2022, will be given full consideration. Applicants must send: (1) a cover letter describing academic experience, qualifications, and interest in the position; (2) a CV; (3) undergraduate and graduate transcripts; and (4) names, addresses, phone numbers, and email addresses of three professional references. Applicants from under-represented groups (including people of color, women, people with disabilities, and LGBTQ+ candidates) are strongly encouraged to apply.

Questions about the position and all application materials should be sent to Dr. Nick Siler at nick.siler@oregonstate.edu.