

The [McKinnon group](#) at the University of California, Los Angeles (UCLA) is seeking a postdoctoral scholar to investigate the processes controlling daily temperature variability and extremes over land. The postdoctoral scholar will work closely with both Professor McKinnon and Dr. Isla Simpson at the National Center for Atmospheric Research (NCAR) to develop a hierarchy of modeling simulations to isolate the importance of key land surface and atmospheric pathways in governing daily temperature variability. Depending on the interests and skills of the successful applicants, they will also develop statistical, conceptual, and/or numerical models for the development of temperature extremes. The project is funded by the National Science Foundation.

The position will be based at UCLA, and include travel (approximately once per year for a week) to Boulder, Colorado in order to collaborate in-person with Dr. Simpson. The successful candidate would join an active community of postdocs at UCLA; see <https://www.postdoc.ucla.edu/> for resources and information.

Responsibilities:

- Design a hierarchy of numerical modeling simulations within the framework of NCAR CESM, and analyze model output
- Analyze both observational data and fully-coupled climate model output to develop theories for the evolution of extreme temperature events
- Publish results in high-quality, peer-reviewed journals
- Present results at conferences and seminars

Minimum qualifications:

- PhD in atmospheric sciences or related field
- Experience with statistical and/or numerical modeling
- Excellent written and oral communication skills
- Proficiency in python (preferred), Matlab, or other data analysis software
- Ability and desire to pursue research both independently and as part of a team

Preferred qualifications:

- Experience with NCAR CESM or other climate models
- Experience with high-performance computing environments

The initial appointment will be for a 12 month period, with the possibility of renewal for an additional 12 months subject to satisfactory performance. Salary will be commensurate with experience.

To apply, please submit a cover letter explaining your interests and relevant qualifications, a current CV, and contact information for three references through UCLA Recruit, <https://recruit.apo.ucla.edu/JPF05278>. Only references for shortlisted candidates will be contacted. Applications will be accepted until filled, however to ensure full consideration, applications must be submitted by 11:59pm on Friday, March 6th, 2020.

Questions about the position may be directed to Karen McKinnon (kmckinnon@ucla.edu).