

LLNL postdoc job on land-atmosphere-cloud interaction

Postdoctoral Research Staff Member - Cloud Processes Research

Location: Livermore, CA<[http://careers-ext.llnl.gov/jobs/search?advanced=1&cf\[REC_LOCATION\]\[\]=1001](http://careers-ext.llnl.gov/jobs/search?advanced=1&cf[REC_LOCATION][]=1001)>

Category: Post Docs<[http://careers-ext.llnl.gov/jobs/search?advanced=1&cf\[JOBFAMILY\]\[\]=PD](http://careers-ext.llnl.gov/jobs/search?advanced=1&cf[JOBFAMILY][]=PD)>

Organization: Physical and Life Sciences<[http://careers-ext.llnl.gov/jobs/search?advanced=1&cf\[ORG_CD_LL\]\[\]=015](http://careers-ext.llnl.gov/jobs/search?advanced=1&cf[ORG_CD_LL][]=015)>

Posting Requirement: External Posting

Job ID: 101235

Job Code: Post-Dr Research Staff 1 (PDS.1)

Science and Technology on a Mission!

For more than 60 years, the Lawrence Livermore National Laboratory (LLNL) has applied science and technology to make the world a safer place.

We have an opening for a Postdoctoral Researcher to work in the area of investigating the effect of soil moisture and surface heterogeneity on cloud formation and convection triggering using both ground-based and satellite observations and large-eddy simulations. This position is in the Cloud Processes Research group in the Atmospheric, Earth, and Energy Division.

Essential Duties

- Conduct original research on the processes governing cloud and convective responses to different soil moisture and surface heterogeneity conditions.
- Contribute to the conception, design, and execution of research in the area of land-atmosphere-cloud interaction using both observation and modeling tools.
- Publish research results in technical reports and peer-reviewed journals and present technical results at scientific conferences.
- Travel as required to coordinate research with collaborators.
- Pursue independent (but complementary) research interests and interact with a broad spectrum of scientists internally and externally.
- Perform other duties as assigned.

Qualifications

- Recent PhD in atmospheric science or closely related field.
- Experience conducting research in atmospheric science or closely related field.
- Experience and expertise in one or more of the following areas: clouds associated with cumulus convection and their interaction with land surface, land surface processes and modeling, moist convection thermodynamics, and boundary layer turbulence.
- Experience with satellite- and/or ground-based observations such as those collected by NASA and the Atmospheric Radiation Measurement program.
- Experience with large model datasets, modern programming environments, and visualization techniques.

- Demonstrated fundamental verbal and written communication skills as evidenced by published results and presentations.
- Experience collaborating effectively with a team of scientists of diverse backgrounds and ability to travel to coordinate research with collaborators.

Pre-Employment Drug Test: External applicant(s) selected for this position will be required to pass a post-offer, pre-employment drug test.

Anticipated Clearance Level: None.

Note: This is a two-year Postdoctoral appointment with the possibility of extension to a maximum of three years. Eligible candidates are recent PhDs within five years of the month of the degree award at time of hire date.

About Us

Lawrence Livermore National Laboratory (LLNL), located in the San Francisco Bay Area (East Bay), is a premier applied science laboratory that is part of the National Nuclear Security Administration (NNSA) within the Department of Energy (DOE). LLNL's mission is strengthening national security by developing and applying cutting-edge science, technology, and engineering that respond with vision, quality, integrity, and technical excellence to scientific issues of national importance. The Laboratory has a current annual budget of about \$1.5 billion, employing approximately 6,000 employees.

LLNL is an affirmative action/ equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, marital status, national origin, ancestry, sex, sexual orientation, gender identity, disability, medical condition, protected veteran status, age, citizenship, or any other characteristic protected by law.