Ecosystem Modeling Postdoc at Los Alamos National Laboratory
Job ID: IRC88792

What You Will Do
Are you looking for opportunities to grow your ecosystem modeling skills while answering pressing questions about climate impacts on fires, vegetation dynamics and crops? The Earth and Environmental Sciences (EES) Division at Los Alamos National Laboratory (LANL) has immediate openings for two postdoctoral research associates with experience in fire, vegetation or crop modeling. You will work as part of an interdisciplinary modeling and observational team to assess the impact of climate change on fire behavior, vegetation dynamics, and crop production. You will contribute to collaborative projects with a focus on shared outcomes, publish results in high-impact peer-reviewed journals and present your work at professional conferences. The term of the appointment is two (2) years, with the option to extend to a third year depending on performance and funding availability.

What You Need
Minimum Job Requirements:
• Research experience in the earth sciences
• Record of publishing peer-reviewed journals
• Communication skills as evidenced by publications and oral presentations at conferences

Education/Experience: A PhD in a STEM field. For a postdoctoral appointment the candidate must have completed all Ph.D. requirements by commencement of the appointment and must be within five years of completion of the Ph.D.

Desired Qualifications:
• Experience programming in either Python, R, Fortran, Matlab, or a similar language
• Experience with vegetation, fire or crop modeling
• Experience with high performance computing

Note to Applicants:
Please submit your application package consisting of a CV, a cover letter, and contact information for 2 referees. Your cover letter should address how you meet each of the minimum requirements and any of the desired skills, if applicable. No applicant is expected to have all of the desired skills. Anyone who meets the minimum requirements is encouraged to apply. Please direct questions regarding this position to Chonggang Xu (cxu@lanl.gov), Alex Jonko (ajonko@lanl.gov), and Kurt Solander (ksolander@lanl.gov). Review of applications will begin September 20, 2021, and we hope to fill the positions before December, although the search will remain open until suitable candidates are identified.

Candidates may be considered for a Director’s Fellowship and outstanding candidates may be considered for the prestigious Marie Curie, Richard P. Feynman, or J. Robert Oppenheimer. For general information related to the Postdoc Program, salary, and benefits go to: http://www.lanl.gov/careers/career-options/postdoctoral-research/index.php. Salary ranges can be found at: https://www.lanl.gov/careers/career-options/postdoctoral-research/postdoc-program/postdoc-salary-guidelines.php.

Postdoctoral Salary Guidelines
Postdocs

Learn about the postdoc program, postdoc career fair, postdoc association, and postdoc housing.

Where You Will Work

The Earth and Environmental Sciences (EES) Division is the intellectual home of Earth, atmosphere, hydrology, and ecology disciplines at the Laboratory. Fundamental discovery science and mission-focused applications unravel poorly understood processes and support decisions of natural importance.

Located in beautiful northern New Mexico, Los Alamos National Laboratory (LANL) is a multidisciplinary research institution engaged in strategic science on behalf of national security. LANL enhances national security by ensuring the safety and reliability of the U.S. nuclear stockpile, developing technologies to reduce threats from weapons of mass destruction, and solving problems related to energy, environment, infrastructure, health, and global security concerns.

Our generous benefits package includes:

§ PPO or High Deductible medical insurance with the same large nationwide network
§ Dental and vision insurance
§ Free basic life and disability insurance
§ Paid maternity and parental leave
§ Award-winning 401(k) (6% matching plus 3.5% annually)
§ Learning opportunities and tuition assistance
§ Flexible schedules and time off (paid sick, vacation, and holidays)
§ Onsite gyms and wellness programs
§ Extensive relocation packages (outside a 50 mile radius)