



**POSTDOCTORAL SCHOLAR - TERRESTRIAL BIOGEOCHEMICAL MODELING –
DEPARTMENT OF ENVIRONMENTAL SCIENCE, POLICY & MANAGEMENT**

This postdoctoral researcher position is for a scientist with expertise in analyzing agricultural systems, terrestrial biogeochemical processes, plant dynamics, and interactions with climate. The successful candidate will focus on California agriculture and challenges associated with climate change, and will be part of a large, multi-institution, and multi-disciplinary project. The position calls for expertise in numerical methods for land-surface modeling; uncertainty quantification; parameter estimation; and microbial, abiotic, and plant processes and interactions. The position offers an excellent environment for working with a highly skilled interdisciplinary team and will require strong motivation and excellent oral and written communication skills. U.C. Berkeley and Lawrence Berkley National Laboratory are renowned centers of scientific expertise in many facets of fundamental and applied science in terrestrial processes. The postdoctoral researcher will also have opportunities to collaborate with researchers across our multi-institution project.

The successful candidate may focus on several groups of agriculture-relevant processes, including coupled hydrological and biogeochemical dynamics, nutrient and carbon interactions, plant and microbe interactions, and management. We are also interested in developing methods to evaluate, against observations, process-level and emergent model responses, and in developing model benchmarking approaches.

BASIC QUALIFICATIONS

Candidates must have completed all degree requirements except the dissertation or be enrolled in an accredited PhD or equivalent degree program in environmental or agricultural science, mathematics, biogeochemistry, ecosystem ecology or related field at the time of application.

ADDITIONAL QUALIFICATIONS

Candidates must have a PhD or equivalent degree in environmental or agricultural science, mathematics, biogeochemistry, ecosystem ecology or related field by appointment start date.

PREFERRED QUALIFICATIONS

The successful candidate should have a demonstrated interest and expertise in one or more of the following areas: (1) understanding and use of state-of-the-art land-surface biogeochemical and agricultural models; (2) ability to develop representations of complex inter-related terrestrial ecosystem processes suitable for plot- to regional-scale models; (3) understanding of methods to benchmark land models against a diverse range of observations; (4) oral and written presentation of results; and (5) ability to work in an integrated team environment.

APPOINTMENT

The anticipated start date for this appointment is June 1st 2016. The initial appointment is for 12 months, with renewal based on performance and funding. This is a full-time appointment.

SALARY AND BENEFITS

Salary will be commensurate with qualifications and experience and based on UC Berkeley Postdoc salary scale. The annual salary range for this position is \$43,692 to \$51,120. Generous benefits are included (<http://vspa.berkeley.edu/postdocs>)

TO APPLY

Visit: (<https://aprecruit.berkeley.edu/apply/JPF01047>)

Interested individuals should include a 1-2 page cover letter describing their research experience, along with a current CV and the names and contact information of three references. Letters of references may be requested for finalists. It is optional to include a statement addressing past and/or potential contributions to diversity through research, teaching, and/or service.

This position will remain open until filled.

Questions regarding this recruitment can be directed to Maria P. Arañas at aranas4@berkeley.edu.

All letters will be treated as confidential per University of California policy and California state law. Please refer potential referees, including when letters are provided via a third party (i.e. dossier service or career center) to the UC Berkeley Statement of Confidentiality (<http://apo.berkeley.edu/evalltr.html>) prior to submitting their letters.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see:

<http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct>

The Department is interested in candidates who will contribute to diversity and equal opportunity in higher education through their research or teaching.

The University of California, Berkeley has an excellent benefits package as well as a number of policies and programs in place to support employees as they balance work and family.