

Postdoctoral Position in Soil and Carbon Geochemistry

A postdoctoral position is available at the Soil Biogeochemistry lab in the Department of Environmental Sciences at University of California, Riverside, CA. We are looking for a highly motivated, independent researcher to join a UC Office of the President Catalyst project on drought mitigation through carbon management. Our multi-regional project brings together a team of soil chemists, soil microbiologists, agronomists, irrigation specialists and modelers to conduct field and lab research on microbiological, biophysical, and geochemical mechanisms controlling soil aggregate formation and stability under different row crops (tomatoes, alfalfa, wheat), farming practices (carbon inputs and rotations) and irrigation methods (furrow and flood, microirrigation). Information on mechanisms will be integrated into a regionally-scalable predictive model to describe soil carbon dynamics and estimate the response of agricultural systems to drought.

Qualifications:

The successful candidate should hold a PhD degree in soil science, soil/environmental chemistry, geochemistry, or related field with emphasis on redox processes and have had both field and laboratory experience in soils research. Candidates must have received a PhD within the past five years from an accredited college or university.

Skills:

Demonstrated experience in synchrotron based spectroscopic techniques including beam time acquisition, data collection, analysis, and interpretation is highly preferred. The position will require travel to various parts of California for field work and synchrotron experiments.

Application contents:

- One paragraph cover letter describing the applicant's research experiences and interests
- Curriculum vitae
- Names, addresses, email, and phone number for 3 references

Contact:

Applications or informal inquiries can be sent to Dr. Samantha Ying at samyng@ucr.edu with SOIL POSTDOC as the subject line.

UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

The University of California is an Equal Opportunity / Affirmative Action Employer with a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, protected veteran status, or any other characteristic protected by law.