

Postdoctoral Researcher: Fire Ecology and Biogeochemistry University of Idaho



About the position: A postdoctoral position in fire ecology and biogeochemistry in natural ecosystems is available in the Miesel lab at the University of Idaho. Research will focus on investigating biogeochemical responses to wildfire and soil heating, and mechanisms controlling soil organic matter persistence within and across ecosystems. The position will be based in the Department of Forest, Rangeland, and Fire Sciences in the College of Natural Resources at the University of Idaho (Moscow, ID). Responsibilities will be based primarily in office and laboratory environments, although the opportunity to participate in field sampling in wildfire sites may be available for interested candidates depending on experience and qualifications. The postdoc will be encouraged to develop independent research that contributes to current program themes and will have access to unique resources for fire experiments including the IFIRE Combustion Laboratory and the U of I Experimental Forest. The postdoc will receive mentoring in professional development according to individual interests and career goals and will have opportunities to engage with collaborators at the UI and other institutions and agencies. The position is available immediately, with start dates prior to August 2024 preferred. This is a full-time, exempt, benefits-eligible position, with salary commensurate with experience. The position will be offered as a one-year contract with annual renewals based on satisfactory performance and funding availability.

Required qualifications: Ph.D. in ecology, soil science, forestry, earth science, or related field, with a focus on soil ecology or biogeochemistry; strong experience conducting statistical analysis including multivariate approaches; demonstrated oral and written communication skills for English-language audiences; demonstrated record of published peer-reviewed publications in leading English-language journals; ability to work independently and collaboratively to initiate and complete quality research products. Preference will be given to candidates with prior experience conducting research on natural ecosystems (especially fire-affected environments). Employment offers are contingent upon the ability to pass a criminal background check.

Responsibilities:

- Conduct laboratory analyses on soil mineral and/or organic horizon samples.
- Lead statistical analyses and manuscript development.
- Disseminate research results through presentations and peer reviewed publications.
- Contribute to mentoring undergraduate and graduate student researchers.

How to apply:

Send an email to Dr. Jessica Miesel (jmiesel@uidaho.edu) using "Lastname Firstname biogeochem postdoc application" in the email subject line and attaching the following application documents as a single compiled PDF:

- Cover letter describing: your interest and qualifications for the position and how the position fits into your career goals;
- Detailed academic CV;
- List of three professional references with complete contact information.

The position will remain open until filled. For full consideration please apply by June 1, 2024. Questions about the position should be directed to Dr. Jessica Miesel (jmiesel@uidaho.edu).

About the University of Idaho: The University of Idaho College of Natural Resources is committed to disciplinary and interdisciplinary programs that integrate ecological, social and natural resource science and management systems. Our research, education and outreach sustain people and the land through innovative science, technology and leadership. More information about the University, employee benefits, and resources for applicants is available at <https://uidaho.peopleadmin.com/>. The University is located in

Moscow, ID which has a population of 25,336 and is the county seat of Latah County. Moscow is consistently rated as one of the best places to live in Idaho, offering ease of walking/biking, many community events, and easy access to a multitude of outdoor recreation opportunities.

The University of Idaho (U of I) is an equal opportunity and affirmative action employer committed to assembling a diverse, broadly trained faculty and staff. Women, minorities, people with disabilities and veterans are strongly encouraged to apply. In compliance with applicable laws and in furtherance of its commitment to fostering an environment that welcomes and embraces diversity, U of I does not discriminate on the basis of race, color, religion, national origin, sex, age, sexual orientation, gender identity/expression, disability, genetic information or status as any protected veteran or military status in its programs or activities, including employment, admissions and educational programs.