

POST-DOCTORAL RESEARCH POSITION: Synthesis of belowground carbon dynamics in a global change experiment

A post-doctoral position is available to work on a multi-investigator, DOE-funded project that is synthesizing multiple, diverse data sets to understand the direct and indirect effects of elevated CO₂, warming, and soil water availability on belowground carbon cycling in a prairie ecosystem. The post-doctoral researcher will be primarily responsible for developing and implementing process-based models of soil carbon dynamics that are informed by the experimental data within a Bayesian framework. The post-doc will also contribute to the compilation of the data sets into a project database that can be used for model development and testing. The data span multiple years at the Prairie Heating And CO₂ Enrichment (PHACE) experiment in Wyoming, and they include leaf, soil, root and ecosystem carbon and water fluxes, stable isotopes, soil physiochemical properties, plant productivity, microbial activity, etc. The post-doc will work directly with [Kiona Ogle](#) at Arizona State University, and he/she will collaborate regularly with other project leaders, including [Elise Pendall](#) and [David Williams](#) at the University of Wyoming and [Jack Morgan](#) at the USDA-ARS in Fort Collins. The post-doc is expected to have a PhD in ecology, biology, environmental science, or a related field, and to have a solid background in modeling, statistics, bioinformatics, or related field; a PhD in a quantitative field with relevant ecological/field-based knowledge may also be suitable. To apply, please email an application in pdf format that includes a letter describing professional interests, research experience and goals, CV, reprints (maximum of 3 papers), and the names, addresses, and e-mail addresses of three references to Kiona Ogle (Kiona.Ogle@asu.edu). Review of applications will begin November 1, 2011. It is anticipated that the position will be for three years, depending upon funding and performance. A background check is required for employment. Arizona State University is an equal [opportunity/affirmative action employer](#) committed to excellence through diversity. Women and minorities are encouraged to apply.