

Postdoctoral Research Associate in Spatial Biogeochemistry



Description of research opportunity:

Postdoctoral Research Associate position is available to join a trans-disciplinary USDA-NIFA funded project entitled "Site-Specific Climate-Friendly Farming" (SCF) focused on the Palouse region of Eastern Washington and Northern Idaho. The successful candidate will work with project scientists to analyze spatio-temporal soil data using remote and proximal sensing, geostatistics, and other statistical methods as appropriate. The overall project goal is to study the field-scale variability of N and C cycling, as they relate to greenhouse gas emissions, and develop site-specific management tools to help wheat growers mitigate and adapt to climate change. The broad cross-disciplinary team organized to achieve this goal includes cropping systems modelers, agronomists, soil scientists, remote sensing scientists, hydrologists, and economists at the University of Idaho, Washington State University, and the USDA-ARS. The Postdoctoral Research Associate will have the opportunity to collaborate with diverse faculty as part of their research experience and specifically be responsible for soil spatial analysis. This project has been active for two years so a substantial amount of data has already been collected that could facilitate rapid publication by an ambitious researcher.

Minimum Required Qualifications: Ph.D. degree in soil science, ecology, statistics or related field with substantial training in the application of statistical techniques to terrestrial ecosystems and relevant professional research experience. Excellent oral and written communication skills and an ability to work in team-based collaborative environment. Demonstrated ability to conduct research in a timely, accurate and professional manner.

Contact: For questions contact Dr. David Brown, Assoc. Professor, WSU Department of Crop and Soil Sciences (dave.brown@wsu.edu 509-335-1859). Applications should be submitted through the WSU Human Resources website: <http://hrs.wsu.edu/>.

Anticipated Salary Range:

\$3,300-4,000/month, dependent on qualifications and work experience. Full-time, 12 month temporary position renewable based on satisfactory performance and continued availability of funds.

Please submit a complete application including (1) a cover letter; (2) a curriculum vitae; and (3) the names, addresses, telephone numbers, and e-mail addresses of three references. Send application by e-mail to: dave.brown@wsu.edu

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