

Postdoctoral Researcher in Terrestrial Biogeochemistry
Great Lakes Bioenergy Research Center
WK Kellogg Biological Station
Michigan State University

Summary: A postdoctoral research position in terrestrial biogeochemistry is sought to investigate nitrogen and carbon cycling in bioenergy cropping systems. The position is part of the DOE's Great Lakes Bioenergy Research Center (glbrc.org), located at the KBS Long-term Ecological Research site (lter.kbs.msu.edu) at Michigan State University's Kellogg Biological Station (kbs.msu.edu). Preferred start date is January 2020, with application review to begin December 1.

Position description: The successful applicant will join a team investigating the sustainability of bioenergy cropping systems and landscapes, and in particular aspects of greenhouse gas fluxes and soil nitrogen and carbon dynamics. Field and laboratory-based studies of denitrification, nitrogen fixation, and soil carbon dynamics will inform life cycle assessments of alternative cropping systems and help to improve the sustainable production of lignocellulosic biomass for bioenergy. The position is part of the Great Lakes Bioenergy Research Center, one of four Bioenergy Research Centers funded in by the US Dept of Energy, with field sites at KBS and elsewhere in Michigan and Wisconsin. In addition to research and career development, a portion of this position (10%) is devoted to project coordination.

Qualifications: A PhD in an appropriate discipline is required, as is demonstration of strong written and oral communication skills. Field experience in strongly preferred, as is experience with modern instrumentation and stable isotopes. The successful applicant will have the opportunity to participate in collaborations across various labs at MSU, including microbial ecology, micrometeorology, and aquatic biogeochemistry.

Start date, salary, and location: The appointment is for one year with extensions contingent on satisfactory performance and continued funding. Start date is flexible, but Winter 2019/2020 is preferred. Describe your preferred start date and/or constraints in the cover letter. Salary is \$50,000 per year; university benefits apply, including health and dental insurances. The position is based at KBS, located in SW Michigan near Kalamazoo, about 60 miles from the main MSU campus in East Lansing. More information about KBS can be found at kbs.msu.edu.

To apply: You will need to submit 1) a cover letter (include research accomplishments, future research interests and directions, and relevant field, lab, and data analysis skills); 2) a current CV, 3) one representative publication (published or submitted), and 4) contact information (name, position, phone, email) for three references. Apply at <https://careers.msu.edu/cw/en-us/job/502560/research-associatefixed-term>. Questions can be directed to G. Philip (Phil) Robertson at robert30@msu.edu. Review of applications will begin December 1, 2019 and continue until a suitable candidate is identified.

Michigan State University is an affirmative action, equal opportunity employer committed to achieving excellence through cultural diversity. The university actively encourages applications and nominations of women, persons of color, veterans, and persons with disabilities. Job applicants are considered for employment opportunities and employees are treated without regard to their race, color, religion, sex, sexual orientation, gender identity, national origin, disability, or veteran status.