THE OHIO STATE UNIVERSITY

THE OHIO STATE UNIVERSITY
DEPARTMENT OF EVOLUTION, ECOLOGY, AND ORGANISMAL BIOLOGY
AQUATIC ECOLOGY LABORATORY

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Division of Natural and Mathematical Sciences

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Aquatic Ecology Laboratory

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Postdoctoral Associate in freshwater biogeochemistry

The Ohio State University

Drs. John Lenhart and Jim Hood at The Ohio State University (OSU) are searching for a post-doctoral scholar to work on a project sponsored by the Harmful Algal Bloom Research Initiative (HABRI) related to the sources, patterns, and fate of colloidal phosphorus in western Lake Erie and its watershed. This project is an interdisciplinary, collaborative effort led by Dr. Hood along with John Lenhart (OSU, CEGE), Michael Brooker (OSU, FABE), Justin Chaffin (OSU, SENR), Ben Colman (University of Montana), Laura Johnson (Heidelberg University), and Vinayak Shedekar (OSU, FABE). This position is fully funded for two years and three months. The anticipated start date for this position is late 2022.

The primary responsibility of the postdoctoral scholar will be:

- Participate in collection and processing of river, wetland, and edge-of-field samples for determining colloidal-phosphorus speciation.
- Conduct field- and laboratory-based experiments evaluating the binding and release of phosphorus from natural colloids.
- Use synchrotron-based X-ray, Raman and infrared techniques to characterize phosphorus speciation in natural colloids.

Required qualifications:

- PhD in limnology, environmental engineering, environmental science, biogeochemistry, or related field
- Experience with techniques and procedures associated with environmental biogeochemistry, natural colloids/nanoparticles, or freshwater nutrient cycling

Preferred qualifications

- Experience with related phosphorus cycling and/or environmental geochemistry techniques and procedures
- Experience with X-ray absorption spectroscopy

Interested applicants should email a cover letter, a personal statement describing research interests, career goals, and relevant experience; a current CV; and contact information for three professional references to Jim Hood (hood.211@osu.edu) by 23 October 2022.

Ohio State University is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to age, ancestry, color, disability, ethnicity, gender identity or expression, genetic information, HIV/AIDS status, military status, national origin, race, religion, sex, gender, sexual orientation, pregnancy, protected veteran status, or any other basis under the law.