A Ph.D. research position is available in aquatic microbiology and human health in the McLellan Lab (http://www.glwi.freshwater.uwm.edu/research/genomics/ecoli/) at the University of Wisconsin-Milwaukee. A degree from the School of Freshwater Sciences prepares students for research and policy careers in academia and industry with emphasis on expertise in freshwater system dynamics, human and ecosystem health, technology, and economics, policy and management. Specific research in our lab includes examining the utility of microbes as indicators of pollution and human health risks and identifying strategies for the mitigation of pollution impacts on aquatic ecosystems. We are conducting a project to look at the genomic basis for persistence of bacterial indicators in the environment, particularly in beach sand and water. Within the broader framework of the lab, many opportunities exist to do fundamental research on the microbiome of urban water systems, as well as applied research related to pollution sources in collaboration with local community governments, municipal facilities, and community conservation organizations.

The UWM School of Freshwater Sciences is the first graduate school in the nation dedicated solely to the study of freshwater. University fellowships and research assistantships are available for competitive applicants. Please contact me with questions or your interest in applying. Apply here through the Graduate School to the School of Freshwater Sciences. Applications will be considered for fall 2016 or spring 2017.

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