Graduate Student in Environmental Microbiology Fall 2016

A position is available for a master’s student in the lab of Dr. Stephen Techtmann in the Department of Biological Sciences at Michigan Tech University. Dr. Techtmann’s research is focused on understanding environmental microbial communities and their applications in environmental monitoring and remediation of contaminants.

The project will investigate the microbial community composition and function in freshwater streams and lakes. We are particularly interested in understanding the dynamics of microbial communities across seasonal transitions as well as the ability of these freshwater communities to degrade heavy crude oil. The student will participate in both field and lab-based activities.

The student should have interests in environmental microbiology, genomics, and microbial physiology. In addition to this, the potential candidate should have an excellent background in microbiology and molecular biology. Prior experience in bioinformatic analysis of sequencing data or microbial physiology is desired. The candidate should also communicate effectively (both verbally and in writing), be reliable, responsible, well organized, and have excellent interpersonal skills.

Interested candidates should contact Dr. Techtmann (smttechtm@mtu.edu) by email and included a CV and a statement of research interests specifically addressing their experience in microbial ecology, physiology, and genomics. Suitable candidates will be contacted for an interview and reference letters will be requested. Invited students will need to submit a formal application to the graduate school at Michigan Tech University. Details on Michigan Tech, the Department of Biological Sciences, and the application procedure can be found at http://www.mtu.edu/biological/. Applications will be reviewed as they are received; the position will remain open until filled.