Postdoctoral Fellow in Microbial Ecology at West Virginia University

Postdoctoral Position in Soil Microbial Ecology and Biogeochemistry at WVU

The Morrissey Lab at WVU in the Division of Plant and Soil Sciences is seeking a Postdoctoral researcher. The overarching aim of research in the Morrissey lab is to better understand ecosystems through the consideration of microbial communities. Specifically, we study: 1) how environmental conditions structure microbial communities and 2) how the composition of these communities regulates ecosystem biogeochemistry. To accomplish these aims, we use a variety of modern genetic and bioinformatic tools in combination with assessments of microbial activity and ecosystem biogeochemistry.

The selected candidate will have the opportunity to work on multiple research projects funded by the DOE and USDA using quantitative stable isotope probing to understand how microbial community composition relates to carbon and nitrogen cycling in natural and human-impacted ecosystems. Applicants should have expertise in soil carbon biogeochemistry, nitrogen cycling, environmental microbiology and ecosystem science. The chosen applicant will be expected to design, conduct, analyze and interpret field and laboratory research as well as lead and contribute to scientific manuscripts and proposals. Skill in molecular biology, data analysis in R, and manuscript preparation are strongly preferred. This position requires a doctoral degree in a relevant discipline from an accredited college or university. To apply please submit your application materials to the WVU Research Corp (https://hr.research.wvu.edu/) job number 09750 (Postdoctoral Fellow in Microbial Ecology). Contact Dr. Morrissey (ember.morrissey(at)mail.wvu.edu) with any questions.