

Postdoctoral Position Available: Plant Root – Microbe Interactions

Project Description

We are looking for a highly motivated, productive individual to pursue research within a team of scientists on the topic of plant-soil-microbe interactions. The successful candidate will work on projects that seek to understand how plants control their root microbiome and how root microbes contribute to plant growth and development. The individual will work with soil and plant root samples and gather next generation sequencing data on microbial communities to study metagenomes. There will also be opportunities to participate in microbial prospecting trips and the development of methods for culturing specific microbes.

Position Requirements

Candidates should have a PhD in microbiology, plant physiology, or related field, with a strong publication record and professional references. The ideal candidate will have experience in metagenomic research including the bioinformatics analysis of large sequencing datasets, and metagenomic methods (16S and shotgun metagenomics). Excellent communication skills are required to effectively work in the research team. Skill and knowledge in culturing microbes is desirable.

The Schachtman Laboratory

The Schachtman Lab is located at the University of Nebraska – Lincoln and is a premier location to conduct research on crop plants in natural soil. The lab started this new exciting research in April 2014. Several projects are currently ongoing to study the microbiome of sorghum, corn and switchgrass. We have excellent opportunities for studying crops in many different soil types as well as under irrigated and dry land conditions.

Please Email Dr. Daniel Schachtman your CV with the names of three professional references and a cover letter describing your qualifications and why you are interested in the position. Email: Daniel.Schachtman@unl.edu