



University of Nebraska-Lincoln
Institute of Agriculture and Natural Resources
Position Announcement



September 10, 2014

Post Doctoral Research Associate

The Department of Agronomy and Horticulture, University of Nebraska – Lincoln invites applications for a Post-Doctoral Research Associate position in the area of plant root- microbe interactions. This is a 12-month, 100% research, non-tenure leading position established for a period of one year. Continuation of the position beyond one year is dependent upon satisfactory performance and the availability of funding.

The successful candidate will be 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.

The incumbent is expected to publish research in refereed journals and present research findings at scientific meetings, and to assist in drafting nationally competitive grant proposals. Collaboration with other scientists as part of a team environment is also expected. Adherence to environmental health and safety guidelines is an expectation of all faculty and staff.

Required qualifications include: 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.

Please email Dr. Daniel Schachtman, Professor and Director of the Center for Biotechnology, 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

The University of Nebraska-Lincoln is committed to a pluralistic campus community through affirmative action, equal opportunity, work-life balance, and dual careers.