

GRADUATE ASSISTANTSHIP AVAILABLE

POSITION	Graduate Research Assistant (GRA), Ph.D. Soil Microbial Ecology: Biogeochemical Cycling of Nutrient Elements and Contaminants by Diverse Microbial Communities in Agricultural and Polluted Sites
NATURE OF RESEARCH:	We are seeking a highly motivated PhD. student interested in soil science. Candidates will work independently and with assistance on Soil Microbial Ecology research exploring the impacts of different land uses (i.e., forests, agriculture, and waste sites) on soil microbial community structure and diversity. Traditional and novel microbiological and biogeochemical experiments, using innovative molecular biology, spectroscopic and bioinformatics techniques will be employed to understand the linkages between soil microbes and biogeochemical processes related to metabolic functioning. A significant outreach component will allow for interaction with high school students, teachers, and the public. Associated activities consist of data analysis; travel to collaborating laboratories to conduct experiments; report and manuscript preparation; and presentation of research at local, regional, and national meetings.
LOCATION	Department of Soil Science, North Carolina State University, Raleigh, NC The department faculty provides diverse expertise in environmental and soil science, as well as fundamental knowledge of the physical, chemical, and biological processes that are key to understanding issues associated with these disciplines. Outstanding NCSU faculty and strong collaborations make us an internationally recognized center for innovative research and graduate training. We seek high-quality students pursuing careers in soil and environmental science. The Raleigh-Durham area consistently ranks among the best places to live in the United States, largely due to its vibrant intellectual community and ample access to recreational and cultural activities.
QUALIFICATIONS	M.S. degree in Soil Science, Biogeochemistry, Microbiology, Environmental Science, Bioinformatics, Metagenomics, Environmental Engineering, or related field. Demonstrated excellence in academics, and written and oral communication skills.
STIPEND	Annual stipend is \$22,000. Under the Graduate Student Support Plan, in-state tuition and health insurance are covered.
HOW TO APPLY	For further details about this position, applicants are encouraged to contact: Terrence Gardner , Assistant Professor, Soil Science Email: terrence_gardner@ncsu.edu Phone: 919-515-7000 Applications may be submitted online through the NCSU Graduate School (see the "Apply to Graduate School" option at www.ncsu.edu/grad/).
DATE AVAILABLE	Spring or Fall Semester, 2015
North Carolina State University is an equal opportunity, affirmative action employer and actively seeks diversity among its employees.	