

GRADUATE ASSISTANTSHIP AVAILABLE

POSITION	Graduate Research Assistant (GRA), Ph.D. Soil Biogeochemistry: Iron Oxidizing Bacteria in Natural Waters
NATURE OF RESEARCH:	We seek an exceptional Ph.D. student to conduct NSF-funded independent research probing the formation of biogenic oxides in natural waters by a combination of laboratory and field approaches. Activities include conducting traditional geochemical and microbiological experiments, as well as using cutting-edge molecular biology and spectroscopic techniques to better understand the mechanisms of biogeochemical processes. A significant outreach component will allow for interaction with high school students, teachers, and the public. Related activities include data analysis; travel to collaborating laboratories to conduct experiments; report and manuscript preparation; and presentation of research at local, regional, and national meetings. All GRAs participate in our teaching program by assisting in the instruction of three laboratory sections of the introductory undergraduate soils course or an equivalent teaching experience.
LOCATION	Department of Soil Science, North Carolina State University, Raleigh, NC We are unique among our peers due to our diverse expertise in environmental and soil science, as well as our fundamental knowledge of the physical, chemical, and biological processes that are key to understanding issues associated with these fields. Our outstanding 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, Hydrology, Environmental Science, Environmental Engineering, or related field. An exceptional student with a B.S. in one of the above fields may also be considered. 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: Owen Duckworth , Associate Professor, Soil Science Email: owen_duckworth@ncsu.edu Phone: 919-513-1577 Web: http://duckworth.soil.ncsu.edu/ 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, 2014

North Carolina State University is an equal opportunity, affirmative action employer and actively seeks diversity among its employees.