

GRADUATE ASSISTANTSHIP AVAILABLE

POSITION	Graduate Research Assistant (GRA), Ph.D. Biogeochemistry of Organic Metal Binding Agents NCSU Soil and Environmental Biogeochemistry Laboratory (PI: Owen Duckworth)
JOB DESCRIPTION	<p>We seek an exceptional Ph.D. student to conduct NSF-funded independent research on the interactions of microbial exudates (siderophores) with mineral surfaces and metals. Activities include conducting traditional geochemical, molecular modeling, and cutting-edge spectroscopic experiments to better understand the fundamental mechanisms of biogeochemical processes. Opportunities exist to interact closely with collaborators in and travel to Northern California and New York City.</p> <p>Related activities include laboratory work in Raleigh and California; data analysis; 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 three laboratory sections of the introductory undergraduate soils course or an equivalent teaching experience.</p>
LOCATION	<p>Department of Soil Science, North Carolina State University, Raleigh, NC</p> <p>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 process 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.</p> <p>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.</p>
QUALIFICATIONS	M.S. degree in Chemistry, Geology, Environmental Science or Engineering, Soil Science, or a closely related discipline. Demonstrated excellence in academics, and written and oral communication skills.
STIPEND	Annual stipend is \$18,000. Tuition and health insurance are covered under the Graduate Student Support Plan.
HOW TO APPLY	<p>For further details about this position, please contact: Owen Duckworth Department of Soil Science, North Carolina State University http://www4.ncsu.edu/~owduckwo/ owen_duckworth@ncsu.edu (919) 513-1577</p> <p>Applications may be submitted online through the NCSU Graduate School (see the "Apply to Graduate School" option at www.ncsu.edu/grad/).</p>
DATE AVAILABLE	January or August 2010

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