**Position title:** (Post Doc) Research Associate in Biomineralization

**Essential Responsibilities:**

We seek an exceptional postdoctoral associate to conduct NSF-funded independent research on the biologically produced iron and manganese minerals. These topics include field and laboratory studies probing the structure and reactivity of manganese oxidizing fungi and neutrophilic iron oxidizing bacteria. Activities may include conducting traditional geochemical experiments, molecular modeling, electron and force microscopies, electrochemistry, and/or cutting-edge spectroscopic techniques to better understand the fundamental mechanisms of biogeochemical processes. Opportunities exist to interact closely with a group of distinguished intramural and extramural collaborators. Related activities include laboratory work; supervising and mentoring graduate and undergraduate students; outreach to high school students and teachers; data analysis; report, manuscript, and proposal preparation; and presentation of research at local, regional, and national meetings. More information about the NCSU soil biogeochemistry laboratory group can be found at: http://duckworth.soil.ncsu.edu/

**Qualifications:**

A Ph.D. in chemistry, geochemistry, environmental engineering, geology, soil science, or a related discipline is required. The successful candidate should have the demonstrated ability to design experiments and conduct independent research. Excellent written and verbal communication skills are essential. A strong publication record is highly desirable.

**For more information and informal consideration:**

Please send a CV, a list of 3 references, and cover letter to Owen Duckworth (owen_duckworth@ncsu.edu). Application materials will be accepted until March 15, 2015 or until a suitable candidate is found. The position has an anticipated start date of July 31 or later.