

University of South Carolina, Department of Earth and Ocean Sciences

Starting: January or August 2015 admission

Dr. Lori Ziolkowski is seeking a PhD student to join the Global Change Biogeochemistry lab at University of South Carolina (www.geol.sc.edu/zlab). The student will assist with an NSF funded project focused on the bioavailability of Arctic soil carbon. This project aims to determine the relationship between soil composition and organic carbon liability during the Holocene. This is a unique opportunity that couples two years of fieldwork in Northern Alaska with laboratory-based organic geochemical analyses with an emphasis on the radiocarbon composition of different carbon pools.

Applicants should ideally already hold an MS degree and have at least one degree in chemistry, geology, earth system science or related field. The ideal candidate will have a strong quantitative background and an interest in interdisciplinary and experimental approaches to understanding Arctic paleoclimate during the Holocene. It is expected that the student participate in the collection of samples in remote locations in Northern Alaska and laboratory based activities related to the radiocarbon composition of soil organic carbon.

The position is available as early as January 2015 with fieldwork commencing in August 2015. For more information, contact Dr. Lori Ziolkowski (loriz@sc.edu). To apply please email a cover letter describing your research interests, goals and relevant experience, a complete CV, college transcripts, GRE scores and contact information for three references. Review of applications will begin immediately and the position will remain open until a suitable candidate is found. After the selection, the successful candidate will apply to be admitted to university; detailed information about the application procedure for national and foreign students is available online.