The Princeton Environmental Institute (PEI) (http://web.princeton.edu/sites/PEI/) invites applications for a postdoctoral research associate and/or more senior research position focusing on microbial methane cycling. The main research goal will be to determine how dynamic redox conditions affect nutrient availability and the activity of key microbial functional groups in wetland systems. The postdoc will be based in the laboratory of Dr. Xinning Zhang within the Dept. of Geosciences (http://scholar.princeton.edu/xinningz/home) and will work with a multi-disciplinary team of researchers affiliated with PEI’s Carbon Mitigation Initiative to determine (a) macro- and micro- nutrient requirements of key functional groups, (b) geochemical constraints on nutrient availability, and (c) to integrate experimental findings into a modeling framework.

Candidates are required to have a Ph.D. degree in environmental microbiology, biogeochemistry, organic chemistry, biochemistry, or a related field by the start date of employment. Preferred research skills include analytical chemistry (LC-MS/MS, GC-MS), metabolic modeling, and cell culture techniques. Appointments are for one year with the possibility of renewal based upon satisfactory performance and continued funding. This position is subject to the University’s background check policy. Applicants must apply online and submit a cover letter, curriculum vitae, a brief statement of research interest, and names and contact information for three references.

Princeton University is an Equal Opportunity/Affirmative Action employer and all qualified applicants will receive consideration for employment without regard to age, race, color, religion, sex, sexual orientation, gender identity or expression, national origin, disability status, protected veteran status, or any other characteristic protected by law.