



AUBURN
UNIVERSITY

SAMUEL GINN COLLEGE OF
ENGINEERING

Department of Civil Engineering

Postdoctoral Fellow Position

The postdoctoral position will focus on understanding the natural attenuation mechanisms (with emphasis on biological processes) and transformation pathways of various organic contaminants of emerging concern in aquifer systems. Projects are funded by the National Science Foundation (NSF) and the Strategic Environmental Remediation Development Program (SERDP) in collaboration with researchers at Tufts University and Brown University.

Preferred experience and qualifications include: cultivation of environmentally relevant bacteria, preparation of aerobic and anaerobic microcosms, standard molecular biology techniques (e.g., extraction of DNA and RNA), molecular biological tools to analyze environmental samples (e.g., PCR, qPCR, qRT-PCR, and primer design), and fundamental understanding of chromatography techniques (e.g., HPLC, IC, and GC-FID, -ECD, -MS) to quantify contaminant and biogeochemical parameter concentrations. Familiarity with bioinformatics is also desirable.

Applicants must hold a doctoral degree in environmental engineering, microbiology, or a closely related field. The selected candidate must possess excellent written and interpersonal communication skills.

Auburn University is one of the nation's premier public land-grant institutions that provides collaborative opportunities with experts throughout the sciences and engineering. The Samuel Ginn College of Engineering is growing with major investments in infrastructure, including Dr. Cápiro's laboratory that is housed in the newly renovated, state-of-the-art Gavin Engineering Research Laboratory. The city of Auburn offers a great quality of life with affordable housing, active civic engagement, and recreational opportunities such as Chewacla State Park in the Appalachian foothills. Auburn is a college town and one of Alabama's fastest growing cities that is within a few hours' drive of Atlanta, Montgomery, Birmingham, and the beach.

The position is available starting January 2019 and will be initially offered for one year with the possibility of renewal dependent upon successful progress in research. The salary is competitive and commensurate with experience. Interested individuals should send a CV, a letter describing research experience and career goals, and the names and email addresses of 3 references to Dr. Natalie Cápiro by email (natalie.capiro@auburn.edu). Application review is ongoing and will continue until the position has been filled.