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Postdoctoral Research Opportunities in Coastal Ecosystem Ecology and Biogeochemistry

Multiple Positions available immediately

The Roberts Lab of Ecosystem Ecology and Biogeochemistry (lumcon.edu/broberts and robertsresearchlab.weebly.com) at the Louisiana Universities Marine Consortium (LUMCON) is seeking multiple postdoctoral research associates to join our interdisciplinary research team. We are looking for a highly motivated, enthusiastic, and organized problem-solver to lead and participate in field and laboratory work in wetland, estuarine, and/or coastal marine ecosystems. Current projects include [a large scale marsh mesocosm oiling experiment](#), and long-term studies on coastal wetland carbon (CH₄ and CO₂ fluxes), nutrient exchanges, microbial ecology, and vegetation dynamics; [the relationship of human disturbance to ecosystem services \(focus on sediment biogeochemistry and primary production\) in offshore sand shoal habitats](#); [wetland food webs in natural and created marshes influenced by river diversions](#); living shoreline restorations; and wetland and coastal estuarine biogeochemistry. The lab is also participating in two new collaborative NSF-funded projects on [methane efflux from river influenced coastal marine sediments](#) and [methane dynamics across microbe-to-landscape scales in coastal wetlands](#). The postdoc will have the opportunity to build on extensive data sets on primary production, respiration, biogeochemistry and microbial communities along the wetland, estuarine, and coastal marine gradient. The postdoc will also have the opportunity to develop their own original research project(s) in any of the aforementioned areas. This is a unique opportunity to join a large, interdisciplinary, collaborative research team to develop an independent research program leveraging extensive historical, current, and new research activities.

Qualifications: The candidate must have a Ph.D. in biogeochemistry, ecology, wetland science, plant ecology, oceanography, or a related field. The preferred candidate will have experience with field and laboratory instruments. The ability to work in a group setting is essential, as you will work collaboratively with PIs, other postdocs, graduate and undergraduate students, and research associates/technicians on this interdisciplinary effort. The ideal candidate will have an understanding of basic experimental design and statistical analyses, creativity in methodological development, and a professional level of communication and organizational skills in a team player environment.

Duration and Start Date: The positions are available immediately. The initial appointment is for 1 year with possible additional support dependent on funding and satisfactory performance.

Location: The positions will be based at the Louisiana Universities Marine Consortium (LUMCON) Marine Center in Cocodrie, LA (visit <http://www.lumcon.edu> for information on the facility).

To Apply: Send 1) a letter of interest, your career goals, and details your work and educational experience most relevant to the position, 2) curriculum vitae, and 3) contact information for 3 references to Dr. Brian Roberts (broberts@lumcon.edu) with "Coastal postdoc position" in the subject line.

Deadline: Review of applications will commence immediately and continue until the position is filled.

LUMCON offers state benefits and is an Equal Opportunity/Affirmative Action Employer that actively seeks diversity among its employees.