The Aquatic Biogeochemistry Laboratory at the University of Central Florida (UCF) is seeking a full-time, hourly Lab Manager/Research Assistant for a one-year position, with the possibility of extension to 2+ years. The position combines lab managerial duties with conducting original research at a roughly 50/50 ratio; anticipated start date is Dec ‘21 or Jan ‘22.

Led by PI Lisa G. Chambers, the Aquatic Biogeochemistry Lab is an interdisciplinary research lab housed in the Biology Department on UCF’s main campus in Orlando, FL. We encompass a vibrant and diverse group of graduate and undergraduate students interested in understanding how natural ecosystems (primarily wetlands and coastal systems) store carbon and cycle nutrients. Current research areas include: investigating the physical and chemical mechanisms that control carbon stability in wetland soils, identifying soil properties that promote denitrification in stormwater basins, and quantifying the biogeochemical processes in dynamic coastal ecosystems.

Primary Job Responsibilities:
- Lab instrument maintenance and troubleshooting
- Environmental health and safety (EHS) and laboratory analytical (QA/QC) compliance
- Student training and assistance with research projects
- Overseeing supply ordering, scheduling, and general organization of the laboratory
- Field sampling of soil, water, and plants
- Laboratory analysis of physical, chemical, and microbial properties of soil and water
- Implementation of benchtop experiments
- Data analysis, research presentations, and manuscript preparation

Some travel (<10%) may be required. Co-authorship or lead-authorship on scientific manuscripts (under the mentorship of Dr. Chambers) is expected.

Minimum Qualification:
- A B.S. or M.S. in biology, chemistry, environmental science, or a related field
- A minimum of 1 years’ experience as part of a research lab
- An interest in ecology, biogeochemistry, and soil science
- Experience with some of the following protocols: data collection and organization, soil coring, water sampling, weighing, pipetting, washing glassware, preparing reagents

Preferred Qualifications:
- Previous experience conducting independent or directed research, particularly in wetland, coastal, or aquatic ecosystems
- Experience with some of the following analytical instruments: gas chromatograph, water nutrient or total carbon analyzers, elemental analyzer, Li-Cor infrared gas analyzer, YSI probes, muffle furnace
- Excellent organization, interpersonal skills, and communication skills (written and oral)
- A valid divers license
- Boating experience

To apply, please send the following materials as a single PDF to lisa.chambers@ucf.edu: 1) a cover letter expressing your interest and relevant experience, 2) a full up-to-date CV/resume, and 3) three professional references, including contact information.