



NSF-Funded Post-Doctoral Associate in Aquatic Biogeochemistry: Ponds and People

A Post-Doctoral Associate position is available in the [Urban Ecosystem Ecology Lab](#) at the University of Florida. The position will study nutrient and energy dynamics of residential ponds throughout Florida. The position will be supervised by Dr. A.J. Reisinger and will be located within the [Department of Soil, Water, and Ecosystem Sciences](#) at the University of Florida in Gainesville, FL. The successful applicant will work on the [NSF-funded Ponds and People project](#), focused on evaluating ecosystem services provided by urban stormwater ponds and improving our understanding of the tradeoffs between social and environmental services provided by ponds. Specifically, this position will focus primarily on nitrogen and carbon dynamics within ponds, and how these dynamics are related to pond management. The broader project is highly interdisciplinary, coupling biogeochemistry with homeowner, community, and regulatory management decisions and economic responses to gain a better understanding of how to best manage ponds to maximize their functionality. The successful applicant will interact with faculty, staff, and students from anthropology, economics, engineering, and phycology.

The successful applicant will be expected to collaborate with the project team to develop and implement field sampling plans and will have the opportunity to develop additional projects within and/or beyond the initial project scope, depending on their expertise. Specific duties include but are not limited to:

- Conduct regular sampling for various biogeochemical parameters (water quality, microbial community composition, dissolved organic matter composition)
- Deploy and maintain environmental sensors.
- Carry out a range of laboratory analyses, including dissolved gas analysis via membrane-inlet mass spectrometry, nutrient analyses via colorimetric methods, and dissolved organic matter composition via spectrofluorometry (*Note: analytical protocols are already developed, but being comfortable in the field and the lab is important for this position*).
- Coordinate field and lab activities with other post docs, graduate students, and undergraduate students.
- Process samples, conduct statistical analyses and data visualization, and produce manuscripts based on results of the project.

There will be multiple opportunities for the successful candidate to develop professional skills relevant to their future career goals. The post doc will have the opportunity to directly supervise undergraduate students and contribute to the development of graduate students in the Urban Ecosystem Ecology Lab. There is funding available for travel to scientific conferences spanning different disciplines, where the post doc will be connected to the professional networks of the project team while being encouraged to expand their own professional network. Post-doctoral associates in the department are expected to deliver a departmental research seminar during their time at UF, and there will be numerous additional opportunities to present for both academic and non-academic (e.g., regulatory, community) audiences.

The successful candidate will have the opportunity to contribute to the research vision of the project. Although certain tasks are described in the funded proposal, the details of these tasks (e.g., experimental design, ancillary data to be collected) will be co-developed by the post doc and Reisinger. There are also



expected to be opportunities to develop additional projects beyond the specific grant deliverables based on the successful candidates' expertise. Additional related but unpublished datasets may also be available for the successful candidate to analyze and develop for publication.

The expected starting salary for this position is \$50,000 plus benefits. The initial appointment will be for two years with the possibility of an additional 12-month renewal pending progress on the project. The start date is flexible, but the selected applicant would ideally start in Late Summer/Early Fall 2023. Questions about the position or the application processed can be directed via email to A.J. Reisinger (reisingera@ufl.edu).

To apply, please email A.J. Reisinger directly at reisingera@ufl.edu with "Post-Doc Application" as the subject. Please include the following materials in your email as attachments:

- A cover letter that highlights why the applicant is interested in the position and their qualifications relative to the details outlined above.
- A current Curriculum Vitae (CV)
- Contact information for three references (note: references will only be contacted for top candidates after reviewing all applicants)

Applications will be reviewed beginning on May 29th but the position will remain open until filled.

The University of Florida is an Equal Opportunity Institution dedicated to building a broadly diverse and inclusive faculty and staff. The Institute of Food and Agricultural Sciences is committed to creating an environment that affirms diversity across a variety of dimensions, including ability, class, ethnicity/race, gender identity and expression. We particularly welcome applicants who can contribute to such an environment through their scholarship, teaching, mentoring, and professional service. The University and greater Gainesville community enjoy a diversity of cultural events, restaurants, year-round outdoor recreational activities, and social opportunities.