POSITION: Postdoctoral Research Associate

STARTING DATE: January – March 2021 (flexible)

SUMMARY: A fulltime postdoctoral position is available in the Holgerson Lab of Aquatic Ecology in the Department of Ecology and Evolutionary Biology at Cornell University. The position entails field work and laboratory-based research to examine how nutrients and carbon affect organic matter processing in lakes and ponds. Based on experience and interest, the postdoctoral associate can focus on either 1) food web structure and energy flow, or 2) greenhouse gas production and emissions. This is a one-year position, renewable depending on available work, funding, and performance.

The primary responsibilities of this position include:

1. **Conducting field-base studies and experiments** (~35%) Lead whole-ecosystem studies at Cornell’s Experimental Pond facility to evaluate how carbon and nutrients interact to impact organic matter processing, including food web structure, ecosystem metabolism, and greenhouse gas emissions. There are opportunities to ask additional questions of interest to the Postdoctoral Associate. The Postdoctoral Associate will have support from the PI, lab technician, and undergraduates.

2. **Laboratory sample processing** (~15%) Coordinate sample preparation for water chemistry, stable isotope analysis, and greenhouse gas analysis with support from lab technician and undergraduates.

3. **Data analysis** (~25%) Work with PI and collaborators to develop and implement data analysis. There is the potential to analyze existing datasets related to the project.

4. **Publishing and presenting research results** (~20%) Draft and submit manuscripts for publication in peer-reviewed scientific journals; present results at professional meetings, conferences, and popular seminars.

5. **Student mentoring** (~5%) Mentor undergraduate and graduate students in related research.

QUALIFICATIONS:
- Ph.D. in biology, ecology, biogeochemistry, or related field
- Experience studying either food webs and/or aquatic greenhouse gas flux, including experience with relevant literature and research methods
- Ability and desire to work collaboratively, mentor graduate and undergraduate students, and to also work independently
- Project leadership, time management, communication, and writing skills
- Data analysis skills using R
- Record of high-quality publications

TO APPLY: Applicants should submit a cover letter detailing their relevant background and experiences and which project they are interested in, a CV, a statement of contribution to diversity, equity, and inclusion, and names and contact information for three professional references to https://academicjobsonline.org/ajo/jobs/16937. Review of applications will begin immediately and continue until the position is filled. Please contact PI Meredith Holgerson (meredith.holgerson@cornell.edu) with any questions.

The Department of Ecology and Evolutionary Biology and the College of Agriculture and Life Sciences at Cornell embrace diversity and seek candidates who will create a climate that attracts persons of all races, ethnicities, and genders. Diversity and Inclusion are central to Cornell University’s heritage and identity. We are a recognized employer and educator valuing AA/EEO, Protected Veterans and Individuals with Disabilities. We also recognize a lawful preference in employment practices for Native Americans living on or near Indian reservations.