

Two postdoctoral positions:
Ecosystem ecology of coupled terrestrial-aquatic systems

We seek two postdoctoral researchers to collaborate with us in testing and developing theory around coupled terrestrial-aquatic ecosystems. Successful candidates would pursue research focused on one or more of the following themes:

Broad-scale Biogeochemical Modeling - This project uses models and geospatial data to explore how aquatic systems process C, N, and P at regional to continental scales, and to predict how these processes will respond to global change. Applicants to this position should have experience with dynamical modeling and/or geospatial analyses with a preferred focus on biogeochemical processes.

Forecasting Lake Carbon Dynamics – This project asks how hydrologic variation at multiple temporal scales influences lake processing, storage, and export of carbon. Data from a network of instrumented watersheds, long-term monitoring, and a nearby National Ecological Observatory Network (NEON) site provide the foundation for empirical analysis and model testing. Previous experience with forecasting or data assimilation in any research domain is highly desirable for this position, as is experience with lake carbon cycling or limnology.

Controls on Food Web Productivity - This project uses existing datasets, including long-term, whole-lake manipulations, to test recently developed theory describing effects of terrestrial dissolved organic carbon and nutrient loads on lake food web productivity. Significant statistical modeling experience is required for this position, and experience modeling lake or stream ecosystem metabolism is especially desirable.

We encourage applicants who have strong quantitative skills, a solid publication record, and who have, or will soon obtain, a Ph.D. in Ecology, Limnology, Geosciences, or related fields. Successful candidates will be based at the Cary Institute of Ecosystem Studies (Millbrook, NY) or the University of Notre Dame (South Bend, IN), and have the opportunity to interact with a vibrant and collaborative research group conducting large-scale experiments and other field campaigns at the University of Notre Dame Environmental Research Center (UNDERC). Both positions are intended to be two years with initial appointment for one year and renewal assuming satisfactory performance. The start date for these positions is flexible.

If you have any questions about these opportunities, feel free to contact Dr. Stuart Jones, (University of Notre Dame; sjones20@nd.edu) or Dr. Chris Solomon (Cary Institute of Ecosystem Studies; solomonc@caryinstitute.org). To apply for a position, submit a curriculum vitae, brief statement of interest, and contact information for three references to sjones20@nd.edu. Review of applications will begin February 15, 2019.

The Cary Institute and University of Notre Dame are Equal Employment Opportunity (EEO) and Affirmative Action (AA) employers. It is the policy of these institutions to provide equal employment opportunities to all qualified applicants without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, protected veteran or disabled status, or genetic information.