

# Postdoctoral Position Involving Geo-Ecological Modeling



A multi-investigator team comprised of faculty from the Biological Sciences and Geography Departments at the University of Alabama, Tuscaloosa, is seeking a Postdoctoral Investigator for a two (2) year project on geo-ecological modeling of rivers. Applicants should have a Ph.D. focused in Physical Geography, Environmental Science, or Ecology. The ideal candidate will have well-developed skills in GIS modeling with a background in either fluvial geomorphology, river ecology, or biogeochemistry. Competitive candidates should have a strong publication record and a desire to work in a highly collaborative and interdisciplinary environment. Time will be spent working both with researchers in Tuscaloosa and at Dauphin Island Sea Lab (<http://www.disl.org/>). This is a non-tenure track position on a 12-month appointment and renewable based on availability, funding, and performance.

The overarching goal of this research project is to use GIS-based spatial modeling to identify fluvial geomorphic features in rivers of the Eastern U.S. that may be creating ecological hotspots of nutrient retention. Focus will be on broad-scale transitions in channel morphology and habitat structure in large rivers crossing from one physiographic province into another. In addition to modeling efforts associated with this project, applicants should have a strong interest in learning to utilize membrane inlet mass spectrometry to measure microbial activity.

TO APPLY: Apply online at the UA staff job application site: <http://facultyjobs.ua.edu/>. The specific job is Requisition # 0806972 (a general postdoc application pool, create a logon ID, and submit documentation). Applicants should submit a current CV, a statement of research interests, and names, phone numbers and email addresses of three references. Upload all required materials to the UA staff job site. Review of applications will start immediately and will continue until the position is filled (latest possible start date is October 1, 2013). The University of Alabama is an equal opportunity/affirmative action employer. Women and minorities are encouraged to apply.

For more information, please send an email to [GEM.aquatic@gmail.com](mailto:GEM.aquatic@gmail.com) to contact the faculty collaborators (Drs. Jennifer Edmonds, Sagy Cohen, Lisa Davis, and Behzad Mortazavi).