**From:** Dave Civitello
**Subject:** Postdoctoral Position Available in Disease Ecology

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A postdoctoral position is available in the Civitello Lab (up to two years of funding) in the Biology Department at Emory University to study the bioenergetics of host-parasite interactions using freshwater snail-human schistosome systems. Resource acquisition and use by individual hosts and parasites drives infection dynamics and the life history of uninfected hosts. This project aims to project these effects up to the population level to enhance predictions of human risk of exposure in variable environments using individual based models. The successful candidate will lead a project that involves integrating experimental, observational, theoretical, and statistical techniques to generate and test theory for ecological epidemiology.

Applicants are expected to have a PhD in ecology, parasitology, mathematical biology, or a related field. Well-qualified applicants will have a strong interest in disease ecology or infection physiology and relevant quantitative skills to confront models with data (programming, statistical analyses, and/or theoretical modeling). Experience with individual based modeling would be extremely beneficial, but it is not a strict requirement. The successful applicant will have the opportunity to design and/or conduct additional experiments or field surveys necessary to parameterize or test models. In addition to the primary research program, there will be a number of opportunities to interact and collaborate with researchers in the Population Biology, Ecology and Evolution Graduate Program, Emory University, and at external institutions.

Interested candidates should submit a one page cover letter describing past research accomplishments and future research goals and their curriculum vitae including contact information for three references to David Civitello at david.james.civitello@emory.edu
The position will remain open until filled.