Theoretical Ecology PhD Student Opportunity

The lab of Allison Shaw ([http://umn.edu/home/ashaw](http://umn.edu/home/ashaw)) in the Department of Ecology, Evolution and Behavior at the University of Minnesota is recruiting a PhD student to start in Fall 2018. Research in our lab uses mathematical models to understand the ultimate factors that drive long-distance movement (migration, dispersal) as well as the consequences of movement for population viability, spread, and interspecific interactions.

The specific research topic is flexible but could include developing theory to understand how migration or dispersal can interact with climate change, parasites, and infectious diseases. See the lab webpage ([http://umn.edu/home/ashaw](http://umn.edu/home/ashaw)) for details on current research projects.

Interested applicants should send (1) a cover letter describing their research interests, mathematical background, and training, and (2) a CV (with GPA and GRE scores) to Dr. Allison Shaw ([ashaw@umn.edu](mailto:ashaw@umn.edu)). Questions and possible projects can also be discussed over email as well. Students with prior research experience, and with exposure to mathematical modeling (through coursework or research) are particularly encouraged.

Formal applications should be submitted to the Ecology, Evolution and Behavior (EEB) Graduate Program ([https://cbs.umn.edu/academics/departments/eeb/graduate/graduate-admissions](https://cbs.umn.edu/academics/departments/eeb/graduate/graduate-admissions)) by December 1, 2017. Interested applicants should also consider applying for a Graduate Research Fellowship from the NSF.

The EEB graduate program is a richly collaborative community that includes students with theoretical and empirical interests, spanning organismal to ecosystem scales. The University of Minnesota-Twin Cities is located in the center of the Minneapolis-St. Paul metropolitan area with a wide variety of cultural attractions. The campus is also home to a diverse set of researchers ([https://cbs.umn.edu/biota/people](https://cbs.umn.edu/biota/people)) and resources in the mathematical and biological sciences. These include the Bell Museum of Natural History ([https://www.bellmuseum.umn.edu/new-building](https://www.bellmuseum.umn.edu/new-building)), the Minnesota Supercomputing Institute ([https://www.msi.umn.edu/](https://www.msi.umn.edu/)), and the Institute on the Environment ([http://environment.umn.edu/](http://environment.umn.edu/)).