

The Peterson lab (<http://www.plantbio.uga.edu/directory/people/megan-peterson>) is joining the Plant Biology Department at the University of Georgia and will be seeking applicants for a postdoc in plant population biology.

All populations must cope in one way or another with variable and unpredictable environments. Wild populations are also now experiencing rapid environmental change, altering selective environments and further challenging their persistence. The Peterson lab combines experiments, long-term observational data, and models to investigate the evolutionary and demographic processes that determine how populations persist under variable conditions and how they can adapt to novel environments. The postdoc will have the opportunity to contribute to existing long-term research in demographic responses of arctic/alpine plants to climate change (<http://meganlpeterson.weebly.com/research.html>) as well as to develop new projects in collaboration with the PI and other lab members and collaborators. Potential areas of research include: 1) the role of local adaptation vs. phenotypic plasticity in shaping species' responses to climate change, 2) the demographic consequences of advancing phenology and changing plant-pollinator interactions, and 3) incorporating evolutionary potential into forecasts of species' range shifts.

The ideal candidate will have broad training and interests in plant population biology, including expertise in both field/greenhouse experiments as well as with quantitative analysis and modeling methods. Desired skills include: programming and statistical analysis in R (generalized linear models, mixed and hierarchical models), experience with demographic data collection and modeling (PVA, matrix models, IPMs, stochastic demography), and experience in one or more of the following areas: pollination biology, distribution modeling, and/or genomics.

The position is available starting as soon as spring 2020 with a flexible start date, and competitive salary and benefits. The University of Georgia has a large and highly interactive group of plant biologists and evolutionary ecologists (<https://www.plantbio.uga.edu/>). Athens is a vibrant university community close to Atlanta with exceptional music, food, and natural areas to enjoy (<https://www.admissions.uga.edu/experience/athens/>).

Interested candidates should contact Megan Peterson ([megan.peterson@colorado.edu](mailto:megan.peterson@colorado.edu)) with a CV, 2 representative publications, and a brief description (~1 page) of your background and research interests. Please also include the names and contact information for up to three references.