



## Postdoctoral position in Plant Evolutionary Ecology

Department of Plant and Microbial Biology  
North Carolina State University

The [Sheth plant evolutionary ecology lab](#) in the [Department of Plant and Microbial Biology](#) at [North Carolina State University](#) (Raleigh, NC) is currently seeking a highly motivated postdoctoral associate to participate in an NSF-funded study of eco-evolutionary responses to climate change across a species range. We combine field, greenhouse, and growth chamber experiments, demographic modeling, and quantitative genetics to examine constraints to adaptation to climate across species geographic ranges. We strive to foster an inclusive environment where people from all backgrounds are respected and we especially welcome applicants from groups that have historically been underrepresented or excluded.

The successful candidate will contribute to studies of eco-evolutionary responses to climate change in the scarlet monkeyflower, *Mimulus cardinalis*, a perennial herb that grows in riparian habitats in western North America. The postdoctoral scholar's primary responsibilities involve coordinating research among multiple institutions by establishing and monitoring field and greenhouse experiments, training and managing personnel, managing and analyzing data, and contributing to the dissemination of results through manuscripts and presentations. The position is based out of NCSU and requires travel to California and Oregon for several weeks each spring/summer and fall to establish and maintain field experiments. The postdoctoral scholar will also have opportunities to analyze existing datasets, develop additional research programs related to the overall objectives of the project, and gain experience mentoring undergraduate and graduate students. The postdoc will be co-mentored by Dr. [Chris Muir](#) at the University of Hawaii, and will interact with the research teams of Drs. [Lluvia Flores-Renteria](#) at San Diego State University, [Jay Sexton](#) at UC Merced, and [Jeff Diez](#) at the University of Oregon.

Candidates must have a Ph.D. in Ecology, Evolutionary Biology, Botany, or a related discipline, and experience conducting field experiments with plants. Candidates are also expected to have a background in statistical methods, a strong work ethic, and excellent problem-solving, interpersonal, communication, and time management skills. A clear track record of publications, independent research experience, and a commitment to mentoring undergraduates is also required. Experience with analyses of quantitative genetic and/or demographic data in R is strongly desired.

This position is for one year, with potential for renewal for up to two additional years. Start date is flexible, but ideally in Fall 2022 or Spring 2023.

TO APPLY: Please submit the following materials to <https://jobs.ncsu.edu/postings/156962>: 1) a cover letter describing your previous research experience and qualifications for this position, along with your current and future research interests (1-2 pages), 2) current CV, and 3) contact information for 3 references. Review of applications will begin on March 1 and continue until the position is filled. Feel free to email Dr. Sheth if you have any questions about this position.