The John lab in the Department of Biology at the University of Florida is recruiting a postdoctoral associate to uncover mechanisms driving inter and intraspecific variation in plant water use and responses to abiotic stress. Using a combination of anatomical measurements, physiological experiments, and statistical modeling, the successful candidate will integrate hypotheses across biological scales and fields. The researcher will employ genetic tools to approach causal drivers of the complex feedback between plant anatomy and ecophysiology utilizing existing resources within the Switchgrass (Panicum virgatum) model system. They will use detailed physiological experiments to translate these genetic drivers into broadscale physiological mechanisms linking leaf anatomy with whole plant function and stress-induced functional decline across plant organs and species.

The position requires a PhD in Plant Physiology, Ecology, Evolution, Genetics, Plant Biology or a related field. The ideal candidate will have experience in field and laboratory measurements of physiological traits, statistical genetics, and microscopy. Experience in experimental design, a strong record of oral and written communication skills, and statistical background are required.

The Department of Biology at University of Florida is an exciting place to be, with seven new tenure-track faculty at the assistant professor level hired over the last two years as part of the Faculty 500 Initiative to enhance teaching and research. This new expertise strongly complements with world-class scholars already part of the Department of Biology. Additional resources are available through the Interdisciplinary Center for Biotechnology Research. Collaboration with other labs in Biology, Florida Museum of Natural History, College of Veterinary Medicine, and Whitney Laboratory for Marine Bioscience will be encouraged.

Qualifications

Required qualifications: The position requires a PhD in Plant Physiology, Ecology, Evolution, Genetics, Plant Biology or a related field.

Preferred qualifications: The ideal candidate will have experience in field and laboratory measurements of physiological traits, statistical genetics, and microscopy. Experience in experimental design, a strong record of oral and written communication skills, and statistical background are required.

Application Instructions

For full consideration, applications must be submitted online.
at http://apply.interfolio.com/70780 and must include: (1) a letter of application summarizing the applicant's qualifications and interests, (2) a complete curriculum vitae, (3) a statement on research goals, and (4) a list of at least three references. After initial review, applicants who are chosen to receive further consideration will be asked to request confidential letters of recommendation from the references. If you would like further information about the position please contact Grace John. Email: gracejohn@ufl.edu. The position is open until filled, but applications will be reviewed starting November 22, 2019.

Grace John

https://gracepjohn.org/