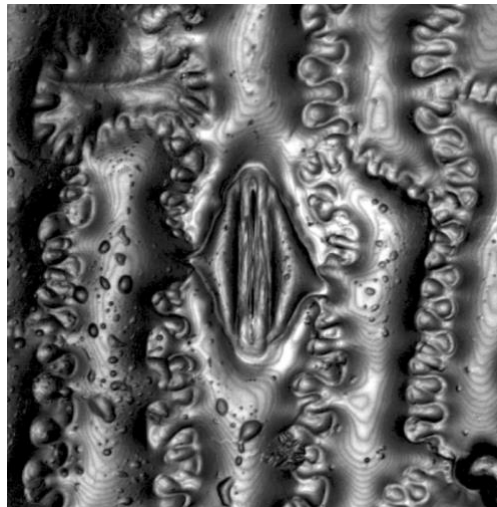


Molecular Physiology of Stomata, Photosynthesis, and Water Use Efficiency:

The Leakey group at the University of Illinois (<http://lab.igb.illinois.edu/leakey/>) seeks creative and energetic applicants for 2 postdoctoral associate positions studying stomata, photosynthesis, and water use efficiency in the model C4 species *Setaria* and sugarcane. The positions will be involved in long-term collaborative projects funded by the Department of Energy and NSF, which involve multidisciplinary teams of physiologists, geneticists, computer scientists, and molecular biologists. Our goals are to understand the genetic and physiological controls of photosynthetic water use efficiency through a combination of molecular genetics, quantitative genetics, and physiology. The projects will benefit substantially from significant advances in high-throughput phenotyping and germplasm development made by our team and collaborators in recent years. The positions will offer excellent opportunities for interdisciplinary training and a creative work environment at the Institute for Genomic Biology, which houses the CABBI DOE Bioenergy Center (<http://sustainability.illinois.edu/doe-funds-major-bioenergy-research-center-at-illinois/>) and the Gates Foundation-funded RIPE project (<http://ripe.illinois.edu/>).



Position requirements:

Candidates should have a strong background in molecular biology for developing transgenic plants or assessing plant physiology. The successful applicant will actively engage with our collaborative team developing synthetic biology, gene editing, experimental design, statistical, plant transformation, molecular and physiological phenotyping skills to improve the water use efficiency of C4 crops. An understanding of stomata or photosynthesis is preferable but not strictly required.

Application:

Questions about these positions or applications that include a letter of application, CV, and three referees can be addressed by emailing Melinda Laborg (laborg@uiuc.edu). Both openings are available immediately with a somewhat flexible start date. Review of applications will begin as they are received.

The University of Illinois at Urbana-Champaign is an equal opportunity employer and offers a highly competitive salary and excellent health care benefits.