The Nusinow Lab is currently looking for a self-motivated and enthusiastic scientist to work on a multi-investigator project to use synthetic biology to develop novel plant phenotypes in Setaria viridis. This exciting and challenging project will combine genomic, biochemical, molecular, and high-throughput phenotyping methods to develop and validate synthetic circuits in complex environments. Ideal candidates would be interested in applied synthetic biology, plant physiology and development, and possess a Ph.D. in either genetics, biochemistry, cell, developmental, molecular biology or plant physiology. The international and interdisciplinary research environment at the Danforth Center offers an excellent opportunity for career development. Salaries are competitive and commensurate with experience, and the Danforth Center offers an excellent benefits package including medical/dental/vision and 403(b) retirement accounts with matching. The Danforth Center is a highly ranked place to work in the scientific research community, and the St Louis region is a rich environment to work and live.

Candidates with experience in any of the following are encouraged to apply: genomic analysis, automated visual and bioluminescence imaging and analysis, molecular biology, transcriptional activation assays, gene editing, and methods in plant physiology, particularly in the grasses. Training in microscopy, image analysis, and/or bioinformatics are likely within the project.

Candidates within 0-3 years of obtaining their Ph.D. should provide as their application package a current CV, list of at least three references, and a one-page cover letter that includes a statement of past research experience and future interests.

Link:

About the Donald Danforth Plant Science Center:
Founded in 1998, The Donald Danforth Plant Science Center is an independent, non-profit organization with a mission to improve the human condition through plant science. Our focus is scientific research at the nexus of food, energy and the environment to improve the productivity and sustainability of agriculture. We assemble interactive teams of scientists and develop unique platforms to discover underlying principles about how plants work. We then convert that knowledge into useful crops and products, and partner with organizations that are best positioned to solve problems where they exist around the world. The Center’s work is funded through competitive grants from many sources, including the National Institutes of Health, U.S. Department of Energy, National Science Foundation and the Bill & Melinda Gates Foundation.

Application Deadline: October 1, 2018