Postdoctoral position in plant systems biology

A postdoctoral position is available in the Brooks lab (https://sib.illinois.edu/profile/mb5886) to study gene regulatory networks using systems biology approaches. The candidate will combine wet-lab techniques in molecular biology and plant physiology with computational genomics to identify regulatory factors that are involved in coordinating photosynthesis and nitrogen use. Potential projects exist using either Arabidopsis or crop species to investigate how plants balance these basic processes of energy generation and energy use in response to their environment.

The lab is located on the University of Illinois Urbana-Champaign campus. We are part of the USDA-ARS Global Change and Photosynthesis Research Unit and affiliated with the Plant Biology Department at UIUC. There is ample opportunity for collaboration with research groups working in both models and crops and at all levels of plant biology, from the molecular to ecological. The start date for the position is negotiable. Initial appointment will be for one year and is renewable contingent upon performance.

Qualifications:

- Ph.D. in plant biology, genetics/genomics, computational biology or a related field.
- Experience with one or more of the following: next generation sequencing, computational data analysis, plant physiology, machine learning.
- Good written and verbal communication skills.
- Strong publication record.
- Ability to work collaboratively with individuals from diverse backgrounds.

To apply, please email a statement of research interests and a CV with contact information for three references to Matthew.D.Brooks@usda.gov.