The Computational Plant Genomics Lab invites applications for a Postdoctoral position in the Department of Ecology and Evolutionary Biology at the University of Connecticut. We focus on developing computational approaches that integrate next generation sequence data to address questions in non-model plants, particularly forest trees. The lab has the following ongoing projects: 1) Understanding the evolution of alternative translation initiation using RNA-seq data 2) Integrating new and existing approaches to gene prediction to improve the annotation of complex genomes 3) Analysis of gene family evolution and related comparative genomics questions 4) Detecting variation in populations from GBS and related sequence data.

Qualifications:

- PhD in Genetics, Plant Genetics, Evolutionary Biology, Bioinformatics, Computational Biology, or other related field.
- Track record of publications in comparative genomics.
- Programming skills in Python, Perl, Java, C++, R or other language.
- Experience with Linux and high performance computing environments.
- Demonstrated ability in developing/applying statistical or machine learning methods in computational biology.
- Experience in genome scale data analysis including RNA-Seq data, genome annotation, biological sequence analysis or other relevant computational genomics experience.
- Highly motivated for interdisciplinary research, excellent communication skills, and the ability to work independently as well as within a research group.

Initial appointment is one year, with possible extension.

Interested applicants should send their C.V., 2-3 page research statement, available start date, and contact information for three references to: jill.wegrzyn@uconn.edu.

Applications that do not contain all materials will not be considered.