Postdoctoral Scholar: Forest Genomics Database and Software Developer
University of Connecticut
Department Of Ecology and Evolutionary Biology
Storrs, Connecticut, USA
http://compgenomics.lab.uconn.edu/

Description
The Plant Computational Genomics laboratory at University of Connecticut (Storrs, CT) has an opening for a database and software developer position as part of a collaborative project involving researchers from around the world. This person will take a lead role in the continued development of the TreeGenes genomics database and the CartograTree application (treegenesdb.org and cartogratree.org). These web-based resources serve vast amounts of genomic, phenotypic, and environmental data to our diverse user community. In specific, the CartograTree application provides a portal for association genetics studies of georeferenced forest trees through the implementation of web services and high performance computing resources available through the iPlant/Cyverse project (http://www.cyverse.org/). In addition, we are committed to developing mechanisms for data sharing among partner databases through Galaxy modules, the Tripal platform (http://www.tripal.info/), the GMOD project, and custom analysis/visualization platforms.

The successful candidate will work as part of a small interdisciplinary team of bioinformaticians and data curators. Tasks will include development of the existing database, developing connections to collaborating databases, improving the user experience (interface development) and implementation of novel analysis and visualization tools for comparative genomics. The Postdoctoral Scholar will be provided with training opportunities and will attend conferences to present/train users on these new tools. In addition, publications on innovative software solutions will result from this work.

Applications will be accepted until June 10th or until the position is filled.

Qualifications
The qualified applicant will have a PhD degree in Bioinformatics, Information Systems, Computer Science, or a related field. Biology/Bioinformatics experience is essential as well as previous experience with web/database development. The applicant should have strong knowledge of Java and JavaScript (jQuery). Experience with Linux/Unix, scripting languages (Python), and relational databases.

Start Date
As soon as possible.

How to Apply
Please send the following THREE documents: cover letter, research statement, and CV to: jill.wegrzyn@uconn.edu

Contact
Jill Wegrzyn
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