Postdoctoral Position in Bean Genomics and Bioinformatics

A postdoc position in Plant Genomics and Bioinformatics is available in the group of Paul Gepts (Department of Plant Sciences, University of California, Davis). The position is expected to start in Fall 2013, with two one-year renewals possible depending on performance.

The individual will lead a project aiming at a more detailed characterization of wild common bean (*Phaseolus vulgaris*) by SNP genotyping and geographic information systems (GIS). Wild common bean has a remarkably large distribution, ranging from northern Mexico to northwestern Argentina. Within this range it may confronted with a broad range of environments, representing marked differences in daylength, temperature, and evapotranspiration, even over relatively short distances. This project will 1) compare diversity in wild beans at the SNP level using an existing high-throughput resource; 2) develop a new high-density resource for SNP diversity based on genotyping-by-sequencing; and 3) perform association mapping between SNP diversity and eco-geographic variability.

Candidates should have prior experience in bioinformatics and genomics to develop and process whole-genome next-generation-sequencing data sets. Experience in GIS is not required but is an asset. Prior experience in beans is not necessary. Additional complementary bioinformatics projects in beans, and concomitant publication opportunities, are available.

Applicants should send a CV and contact information for three references to Paul Gepts at plgepts@ucdavis.edu by October 15, 2013. For further information:

Gepts group: http://www.plantsciences.ucdavis.edu/gepts/geptslab.htm

Paul Gepts: http://biosci3.ucdavis.edu/FacultyAndResearch/FacultyProfile.aspx?FacultyID=14139