

## **Postdoctoral Research Associate position to analyze plant composition at Iowa State University**

The Wurtele/Li Laboratory at Iowa State University is seeking candidate to fill a Postdoctoral Research Associate position to analyze Arabidopsis/soybean leaf/seed composition, to begin Oct 1 of 2011.

The successful candidate will identify high-protein soybeans, in a 3-year project recently funded by the United Soybean Board (this is the start of the first year; funding for following years will depend on the performance of the previous year). The successful applicant will focus on determination of plant composition in Arabidopsis/soybean leaf/seed, for example, the protein, oil, and moisture content, amino acid composition and fatty acid composition. Possible approaches include, but are not limited to, protein/amino acid/fatty acid/carbohydrate extraction and determination. A PhD in biochemistry, biology, chemistry or a related field is required. Publication record should demonstrate expertise in metabolomics analyses. Signal transduction and/or bioinformatics expertise is a plus.

The candidate will be part of a multidisciplinary team that includes computer scientists, computational biologists, molecular biologists and biochemists. The successful candidate will work closely with a team of scientists working to uncover novel signaling interactions in plant metabolic networks, funded by the National Science Foundation (MCB#0951170, <http://www.nsf.gov/awardsearch/showAward.do?AwardNumber=0951170>). The successful candidate is expected to demonstrate independence and creativity. Good oral and written skills and a strong publication record in refereed journals are required. We seek highly motivated researcher with demonstrated outstanding ability and accomplishment. The position is located in state-of-the-art facilities at Iowa State University in Ames, Iowa and offers competitive salary and benefits with the opportunity for professional growth and advancement.

Please send applications to Dr. Ling Li [liling@iastate.edu](mailto:liling@iastate.edu). Applications should include a cover letter highlighting qualifications and research interests, current CV, publication list. Have three letters/emails of reference sent from persons familiar with your professional qualifications, include your dissertation advisor as one of the three. For more information regarding application submission or project details, please contact Dr. Ling Li at [liling@iastate.edu](mailto:liling@iastate.edu).

As Oct 1 is approaching and overseas visa application will take a long time, only applications from US or Canada will be considered.

### Web sites:

[http://www.gdcb.iastate.edu/faculty\\_and\\_research/bios/lii.shtml](http://www.gdcb.iastate.edu/faculty_and_research/bios/lii.shtml)  
<http://www.gdcb.iastate.edu/faculty/facultyDetail.php?id=111%20Wurtele>  
<http://metnetonline.org>

### References:

Li et al. (2009) Identification of the novel protein QQS as a component of the starch metabolic network in Arabidopsis leaves. Plant Journal, 58: 485-498. (Online at <http://www3.interscience.wiley.com/cgi-bin/fulltext/121641416/HTMLSTART>)