Postdoc position in Mass Spectrometry and Proteomics

Lab of Klaas van Wijk, Section of Plant Biology, School of Integrative Plant Sciences (SIPS), Cornell University, Ithaca, NY, USA

The van Wijk lab has a 20+ history in plant proteomics and mass spectrometry to study biological questions in Arabidopsis and other plants species. The van Wijk lab has an in-house mass spectrometer (QExactive), an extensive bioinformatics proteomics processing ‘pipe-line’ and houses the Plant Proteome Data Base (PPDB). Together with colleagues in the Systems Biology Institute (ISB) in Seattle we are also funded by the National Science Foundation to build an Arabidopsis PeptideAtlas by reprocessing millions of publicly available mass spectrometry data. The postdoc will be part of a team to study chloroplast proteolysis in Arabidopsis thaliana, including protease substrate selection mechanisms, protease structure-function analysis, and quantitative proteomics of single and higher order chloroplast protease mutants. The Postdoc will also contribute to truly large-scale plant proteomics & mass spectrometry data analysis in collaboration with the ISB. The van Wijk lab is funded through awards from the National Science Foundation. This postdoc position provides an excellent training opportunity in plant protein biochemistry and mass spectrometry, chloroplast proteostasis, plant systems biology and bioinformatics. The position is initially a one year full-time appointment, but renewable for additional years, contingent upon performance. Salary is competitive and commensurate with background and experience. An attractive fringe benefits package is provided.


Qualifications: The applicant must have a PhD degree and a strong background in large scale proteomics and mass spectrometry (ESI-MSMS), as is evidenced by several publications in International Journals. Training in Plant Biology would be highly beneficial.

Application Instructions: Submit a letter summarizing your background and qualifications, a statement of research accomplishments and interests (3 pages maximum), a detailed curriculum vitae, and the names of three references by email to kv35@cornell.edu. Klaas J. van Wijk, Professor and Chair, Section of Plant Biology, School of Integrative Plant Sciences (SIPS), Cornell University, Ithaca, NY 14853, USA. For more about the van Wijk lab http://blogs.cornell.edu/vanwijk/. Review of applications will begin immediately and will continue until the position is filled.