The postdoc will be part of a team of graduate students and postdocs in the van Wijk lab, 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 scientists at the Institute for Systems Biology (ISB) in Seattle. 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. 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 hand-on experience in proteomics and mass spectrometry (ESI-MSMS), as is evidenced by several publications in International Journals. Training in Plant Biology is highly beneficial. Hands-on experience with Orbitrap-type instruments (e.g. Q Exactive) and data processing software (e.g. TPP, MaxQuant) is essential.

**Application Instructions:** For initial inquiries, please send a brief email with an explanation of your research experience and interest together with a CV to kv35@cornell.edu, Klaas van Wijk, Professor and Chair, Section of Plant Biology, School of Integrative Plant Sciences (SIPS), Cornell University, Ithaca, NY 14853, USA. For more information about the van Wijk lab: http://blogs.cornell.edu/vanwijk/ ; https://www.researchgate.net/profile/Klaas_Wijk ; @vanwijklab