School of Integrative Plant Science Faculty Position Opening: 
Plant Metabolomics

POSITION: The School of Integrative Plant Science at Cornell University is seeking applicants for a 9-month tenure-track position in Plant Metabolomics with an expected primary affiliation in the Section of Plant Biology and with research and teaching responsibilities at the level of Assistant/Associate Professor. The successful candidate will develop an internationally-recognized and well-funded research program in Plant Metabolomics that leverages technological innovation and high-resolution instrumentation to elucidate metabolic pathways and identify critical plant primary or secondary compounds. Possible research areas include, but are not limited to: (1) identification of metabolic networks, evaluation of metabolic flux and regulatory control points, and integration of such information in a ‘systems’ context; (2) the phylogenetic diversity of plant primary and secondary compounds; (3) plant metabolites in an environmental and ecological context, e.g. in relation to biotic or abiotic stress; and (4) the potential for utilization of such compounds in biomedical or nutraceutical applications or for the improvement of crops. The successful candidate will teach an undergraduate course and develop a graduate-level course in Plant Metabolomics.

RESPONSIBILITIES: The successful candidate is expected to be highly knowledgeable about leading-edge methodologies in plant metabolism and to have hands-on experience in metabolic profiling by mass spectrometry and other techniques. While command of appropriate methodologies and techniques is critical, the expectation is that the successful candidate will use these techniques to address significant questions in metabolomics as they relate to plant function, plant diversity, or production of plants having desirable metabolic properties. The successful candidate will develop an internationally-recognized and well-funded research program in Plant Metabolomics that leverages technological innovation and high-resolution instrumentation to elucidate metabolic pathways and identify critical plant primary or secondary compounds. Possible research areas include, but are not limited to: (1) identification of metabolic networks, evaluation of metabolic flux and regulatory control points, and integration of such information in a ‘systems’ context; (2) phylogenetic diversity of plant primary and secondary compounds; (3) plant metabolites in an environmental and ecological context, e.g. in relation to biotic or abiotic stress; and (4) the characterization or assessment of potential for utilization of such compounds in biomedical or enhanced nutraceutical applications. This position will have a 60% research and 40% teaching responsibility, and the successful candidate will teach an undergraduate course (e.g. a core course for the Plant Science major) and develop a graduate-level course in Plant Metabolomics.
**QUALIFICATIONS:** Ph.D. in Biology, Plant Biology, Chemistry, Biophysics, or related disciplines. The candidate must be able to work in a multi-disciplinary and multi-cultural setting. Well-qualified applicants are expected to have a demonstrated record of publication excellence. Preferred qualifications include postdoctoral experience, successful collaborative experience, and ability to communicate effectively with diverse groups, including students, colleagues, and external stakeholders.

**ANTICIPATED START DATE:** August 2016.

**ACADEMIC RANK AND SALARY:** Assistant/Associate Professor (tenure track) with salary competitive with peer institutions and commensurate with background and experience.

**APPLICATIONS:** Candidates are requested to submit a curriculum vitae, a research plan (2-3 pages) and teaching interests (1 page). In addition, applicants must arrange for three letters of recommendation to be submitted concurrently with the other application materials. Submit all application materials to Academic Jobs Online at [https://academicjobsonline.org/ajo/jobs/5922](https://academicjobsonline.org/ajo/jobs/5922).

Application review begins on October 9, 2015. Questions about the application process can be addressed to Ms. Karin Jantz, Section of Plant Biology (kpg2@cornell.edu). Questions about the position can be addressed to Search Committee Chair, Professor Klaas van Wijk (kv35@cornell.edu).

**ABOUT CORNELL:** The new faculty member will join a collaborative, interdisciplinary community on the main campus of Cornell University, in Ithaca, New York. The Section of Plant Biology is part of Cornell’s School of Integrative Plant Science (SIPS), a large internationally renowned group of academics with many interactions and joint projects. Members of the section also collaborate with colleagues in the life sciences and the Division of Nutritional Sciences. For more information about SIPS and the Section of Plant Biology, visit [http://plantscience.cals.cornell.edu/](http://plantscience.cals.cornell.edu/).

Cornell comprises a varied array of academic units from music and literature to astrophysics and veterinary medicine and is a member of the Ivy League. The main campus of Cornell University, which overlooks 40-mile-long Cayuga Lake, is located in the Finger Lakes region of Upstate New York, a scenic environment of spectacular lakes, waterfalls, gorges, rolling hills, farmland, vineyards, and state parks. It is an area with outstanding recreational and summer and winter sports opportunities for individuals and families. The Cornell campus itself is one of the most beautiful in the country. The Ithaca community is culturally diverse with excellent theater, music, sports, and other activities befitting a major university town, yet also has the warmth and friendliness of a small community. The area is known for its many bookstores and restaurants, an extensive walking trail system, arboretum, Laboratory of Ornithology, marina, Farmers Market, a hands-on Science Center, and art and science museums. For more information and links to individual attractions, visit [http://www.visitithaca.com/](http://www.visitithaca.com/).

Cornell University is an innovative Ivy League university and a great place to work. Our inclusive community of scholars, students and staff impart an uncommon sense of larger purpose.
and contribute creative ideas to further the university's mission of teaching, discovery and engagement.

Diversity and Inclusion are a part of Cornell University’s heritage. We are a recognized employer and educator valuing AA/EEO, Protected Veterans, and Individuals with Disabilities.