



Cornell University
College of Agriculture and Life Sciences

School of Integrative Plant Science

240 Emerson Hall
Ithaca, NY 14853
607-255-2180
607-255-6683 (fax)

plantscience.cals.cornell.edu

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**School of Integrative Plant Science Faculty Position Opening:
Quantitative Genetics and Statistical Genomics**

POSITION: The School of Integrative Plant Science at Cornell University is seeking applicants for a 9-month tenure-track position at the level of Assistant/Associate Professor in Quantitative Genetics and Statistical Genomics in the Section of Plant Breeding and Genetics, with research and teaching responsibilities. The successful candidate is expected to conduct an innovative, externally funded, and collaborative molecular plant breeding program focusing on plant adaptation to climate change, agricultural ecosystem function, and / or global agriculture productivity through the use of quantitative methods and statistical modeling. The use and development of cutting-edge genomics, computational biology, and / or systems biology tools and the development of genetic stocks, germplasm, or varieties that provide solutions to challenges is expected. The successful candidate will teach two courses in quantitative methods related to plant breeding, and contribute to specialized teaching modules, seminars, and team-taught courses as well as guide student research and learning in plant breeding, genetics, biological statistics, and computational biology. This position will be 60% research and 40% teaching.

RESPONSIBILITIES: Most important traits in crop plants are quantitative in nature and controlled by complex gene networks, thus requiring expertise in quantitative genetics and statistical genomics. This position will be responsible for conducting an innovative molecular plant breeding program focused on plant adaptation to climate change, agricultural ecosystem function, and / or global agriculture productivity through the use of quantitative methods and statistical modeling. The use and development of cutting-edge genomics, computational biology, and / or systems biology tools and the development of genetic stocks, germplasm, or varieties that provide solutions to challenges is expected. Preference will be given to candidates with a broad and compelling vision of the role of plant breeding in addressing problems in the priority areas. The successful candidate will be expected to form collaborations with other faculty, develop an externally funded research program and improved germplasm, teach two courses in quantitative methods related to plant breeding, and contribute to specialized teaching modules, seminars, and team-taught courses and to guide student research and learning in plant breeding, genetics, biological statistics, and computational biology. This position will have a 60% research and 40% teaching responsibility. It is desirable that the candidate will have a joint appointment with the Department of Biological Statistics and Computational Biology.

QUALIFICATIONS: Ph.D. in Plant Breeding, Plant Biology, Computational Biology, Genetics, or related discipline, demonstrated ability to excel in a multi-disciplinary and multi-

cultural setting, and an excellent publication record are required. 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/5928>. Application review begins on October 9, 2015. Questions about the application process can be addressed to Ms. Kim Cotton, Section of Plant Breeding and Genetics (kec36@cornell.edu). Questions about the position can be addressed to Search Committee Chair, Professor Walter De Jong (wsd2@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 Breeding and Genetics 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 computational biology, and genetics. For more information about SIPS and the Section of Plant Breeding and Genetics, visit <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/>.

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.

