**Assistant/Associate Professor in Crop Quantitative Genomics**

The Department of Soil and Crop Sciences at Colorado State University seeks dynamic and highly-motivated candidates for an assistant/associate professor tenure-track position in crop quantitative genomics. This position is a 9-month appointment that includes a 60% research, 30% teaching, and 10% service appointment and is part of a series of hires in the area of Crop Breeding and Genetics.

The selected candidate will conduct innovative, extramurally funded research to develop and apply novel quantitative methods and statistical modeling to increase crop adaptation to climate change via genetic improvement or *de novo* domestication of food crops. The selected candidate will facilitate integration of genomics, quantitative genetics, phenomics, bioinformatics, and statistics to develop novel approaches to help meet food system challenges. As part of the teaching responsibility, the selected candidate will teach one undergraduate course each year and one graduate-level course every other year.

Our department is building on a rich legacy of science-enabled advancements to develop the agroecosystems of tomorrow, transforming environmental challenges into opportunities. We encourage collaborations with plant, soil, and microbiome scientists, as well as novel multidisciplinary approaches, that aim to improve the efficiency of agroecological systems, enhance ecosystem services, and improve the quality and value of crops.

Candidates should have a strong record of research, a willingness to take risks, and a desire to look beyond established approaches. In support of departmental, college, and university priorities, the candidate will be expected to actively support an inclusive and diverse academic environment. Additionally, we expect the selected candidate to thoughtfully mentor graduate students, teach graduate and undergraduate students, participate actively in department activities, and support our stakeholders through service and outreach.

**Qualifications**

**Required:**
- PhD in plant breeding, plant biology, genetics, statistical genomics, computational biology, or a related field (awarded by the application deadline)
- A strong record of scholarly/professional achievement commensurate with experience
- Demonstrated knowledge and experience with quantitative genetic theory and methodology
- Comprehensive knowledge of theoretical and computational methodologies used to analyze data sets from genomic, phenomic, metabolomic, or climatological platforms, to further understanding and improvement of crop phenotypes
- Effective communication skills, with an emphasis on presenting and disseminating research information to a range of audiences
- Demonstrated potential to advance the department's commitment to diversity and inclusion through research, teaching and outreach with relevant programs, stakeholders, and activities

**Preferred:**
- Expertise in crop biophysical modelling and machine learning algorithms
- Evidence of clear potential or previous success in obtaining competitive research funding
- Post-doctoral (or other post-PhD) research experience
• Demonstrated potential for excellence in teaching and mentoring of undergraduate and graduate students

Interested individuals must submit the following application materials on-line at https://jobs.colostate.edu/postings/73801: (1) a cover letter addressing required and preferred qualifications; (2) a curriculum vitae; (3) a combined statement that describes a) a clear vision for your research program; b) your teaching philosophy and experience; and c) your demonstrated commitment to inclusion and diversity (five pages maximum); and (4) a list of four professional references whom we may contact at a future date. References will not be contacted without prior notification to a candidate. Interested candidates may contact the Search Committee Chair Scott Haley (scott.haley@colostate.edu) for questions about the position or SCS Office Manager Jeannie Roberts (jeannie.roberts@colostate.edu) for questions about the search process. Applications will be accepted until the position is filled; however, to ensure full consideration applications should be submitted by February 10, 2020. The anticipated starting date for the position is August 15, 2020, but is negotiable.

The Department of Soil and Crop Sciences at CSU is home to a distinguished group of internationally recognized faculty focused on research, teaching, and outreach in agricultural and environmental sciences. The department possesses notable strengths in environmental biogeochemistry, climate-smart agroecosystems, crop genetics, and sustainability metrics, and seeks to bolster these thematic areas. Information regarding the department, programs and degrees can be viewed at http://soilcrop.agsci.colostate.edu/.

As a land grant University and as nationally recognized innovators, we are committed to the foundational principles of diversity and inclusion. We recognize that our institutional success depends on how well we welcome, value, and affirm all members of the Colorado State community and how we represent diverse perspectives in our teaching, research, and service throughout all disciplines.

Colorado State University is committed to providing a safe and productive learning and living community. To achieve that goal, we conduct background investigations for all final candidates being considered for employment. Background checks may include, but are not limited to, criminal history, national sex offender search and motor vehicle history.

Colorado State University, located in Fort Collins, Colorado, is situated on nearly 5,000 acres of land, including the main campus, a foothills campus, the Agricultural Research Development & Education Center (ARDEC), and a mountain campus. Colorado State University research and Cooperative Extension faculty also conduct programs at several off-campus research centers throughout the state. Fort Collins is an award-winning city located on the Front Range of the Rocky Mountains. Easy access to hiking, skiing, rafting and other outdoor sports is a great advantage to CSU students, faculty and staff. Read more about the university and community at the CSU Undergraduate Admissions Page at http://admissions.colostate.edu.