

## **Ph.D. Graduate Research Assistantships in wheat breeding and genetics**

### **Department of Soil and Crop Sciences, Colorado State University**

**Position:** We are seeking a highly motivated graduate student to conduct research in wheat breeding, genetics, and genomics at Colorado State University. The research will combine molecular biology and bioinformatics studies to characterize genetic variation controlling key traits in wheat, such as grain yield, disease and insect resistance, coupled with breeding to deploy novel variation and to aid the development of improved hard winter wheat varieties for Colorado and the Great Plains. The research assistant will work in laboratory, greenhouse, and field environments and will receive training in molecular biology, genomics, bioinformatics, and breeding. This position is funded through the Samuel and Hazel Litzenberger Fellowship in Plant Breeding, which covers tuition, a competitive stipend, and benefits for five years. The position will be jointly supervised by Dr. Stephen Pearce (functional genomics <http://soilcrop.agsci.colostate.edu/stephen-pearce/>) and Dr. Scott Haley (wheat breeding <http://wheat.agsci.colostate.edu/>) and is anticipated to start in fall 2018.

**Qualifications:** Candidates should have a minimum of a B.Sc. in plant genetics, breeding, molecular biology, or a related field. Preferred candidates will have an M.Sc., possess strong data analysis skills, have experience in breeding and/or molecular biology techniques, have experience working in both field and laboratory environments, and demonstrate clear ability in writing (such as peer-reviewed publications).

**How to apply:** Applicants are requested to submit a CV, academic transcripts, a letter of motivation describing research interests, and contact information for two references as a single PDF file to either Dr. Stephen Pearce ([Stephen.Pearce@colostate.edu](mailto:Stephen.Pearce@colostate.edu)) or Dr. Scott Haley ([Scott.Haley@colostate.edu](mailto:Scott.Haley@colostate.edu)). The deadline to apply is March 1<sup>st</sup>, 2018.

Further information on the plant breeding and genetics graduate program at CSU can be found online (<http://soilcrop.agsci.colostate.edu/graduate-programs/>). Questions regarding CSU's graduate programs should be directed to Karen Allison, student coordinator ([Karen.Allison@colostate.edu](mailto:Karen.Allison@colostate.edu), 970-491-6295).

Colorado State University is committed to providing an environment that is free from discrimination and harassment based on race, age, creed, color, religion, national origin or ancestry, sex, gender, disability, veteran status, genetic information, sexual orientation, gender identity or expression, or pregnancy. Colorado State University is an equal opportunity/equal access/affirmative action employer fully committed to achieving a diverse workforce and complies with all Federal and Colorado State laws, regulations, and executive orders regarding non-discrimination and affirmative action. The Office of Equal Opportunity is located in 101 Student Services

Colorado State University strives to provide a safe study, work, and living environment for its faculty, staff, volunteers and students. To support this environment and comply with applicable laws and regulations, Colorado State University conducts background checks. The type of background check conducted varies by position and can include, but is not limited to, criminal (felony and misdemeanor) history, sex offender registry, motor vehicle history, financial history, and/or education verification. Background checks will be conducted when required by law or contract and when, in the discretion of the university, it is reasonable and prudent to do so.

Reflecting departmental and institutional values, candidates are expected to have the ability to advance the Department's commitment to diversity and inclusion.