GRA Position #544 – Plant Breeding & Genetics

Position
Graduate Research Assistant (Ph.D.), 0.5 time

Location
Department of Agronomy
Throckmorton Plant Sciences Center
Kansas State University
Manhattan, KS 66506-5501

Position Description
The research component of this assistantship will be centered on the integration of genomic and phenomic information for prediction of performance of a unique set of winter wheat germplasm derived from the introgression of the ancient ancestors of modern bread wheat, *Triticum dicoccoides* and *Aegilops tauschii*. Although genomic selection can now be routinely practiced in applied breeding programs, and complemented by unmanned aerial imagery information, the application of these technologies to an extraordinarily diverse germplasm pool is uncharted territory.

The graduate student engaged in characterization of this germplasm will work cooperatively with USDA-ARS scientists as well as scientists in other disciplines. Trials will be conducted at multiple locations across Kansas, and some travel will be required for field data collection, planting, and harvest operations.

Qualifications
B.S. (M.S. preferred) in agronomy/plant science with coursework in genetics and breeding

Coursework in statistics

Experience or coursework in R statistical programming preferred

Stipend
Annual PhD stipend is $30,435.86. Graduate Research Assistants are considered Kansas residents for tuition purposes and are responsible for paying tuition and fees.

How to Apply
Applicants should send a statement of educational and career objectives, resume, transcripts (TOFEL scores for international applicants), and three references to:

Dr. Allan Fritz
Professor
Department of Agronomy
Kansas State University
4012 Throckmorton Plant Sciences Center
Manhattan, KS 66506, Ph: 785-532-7245; E-mail: akf@ksu.edu

Further information about graduate studies at KSU Department of Agronomy can be found at: http://www.agronomy.ksu.edu or by contacting Robert Berry at rwb7@ksu.edu

Date Available
Spring 2022

Screening of applicants begins immediately and will continue until position is filled.

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