Position Announcement

Position: Research Associate (Postdoc in Quantitative Genetics & Genomics)
Position # W7470
Full-time, 12-month, term position

Location: Department of Agronomy
Kansas State University
Manhattan, KS  66506-5501

Position Description: A postdoc position is available in the Morris lab to study quantitative genetics & genomics of biomass accumulation and environmental adaptation in sorghum. The Morris lab studies genomics of crop adaptation to support crop improvement (Morris et al. 2013 PNAS, Lasky et al. 2015 Science Advances). The successful candidate will lead quantitative genetics activities for a new 4-year, $8M project funded by Department of Energy ARPA-E to dissect the genomic basis of yield in bioenergy sorghum (Project info). The postdoc will be primarily responsible for (1) conducting genome-wide association studies and linkage mapping using multi-environment high-throughput phenotyping data and whole genome resequencing data and (2) publishing findings in high-quality peer-reviewed manuscripts. Other activities include improving methods for unmanned aerial vehicle based phenotyping and conducting population genomic analyses of diverse global germplasm to support dissection of adaptive traits. Create an environment that fosters diversity, collegiality and ability to work in a multicultural setting.

Qualifications: Required: Ph.D. in Quantitative Genetics, Genomics or closely related field. Demonstrated expertise in quantitative genetics and genomic analysis as evidenced by peer-reviewed publications. Effective oral and written communication skills in English; Strong commitment to expanding and fostering diversity. Preferred: Experience developing high-throughput phenotyping methods, or other genomic methods. Knowledge of crop breeding & genetics is preferred, but exceptional candidates from other disciplines of quantitative genetics are strongly encouraged to apply.

Salary and Benefits: Salary commensurate with experience and training. Position eligible for KSU unclassified position benefits.

How to apply: Send (as a single PDF) a letter of application, resume, and contact information (name, affiliation, email address, phone number) of three professional references to:

Brittany Green - bdgreen@k-state.edu

Please refer to position W7470 in the subject line when applying.

Date available: August 2015

Application Deadline: Screening of applicants will begin Aug. 15, 2015 and continue until a suitable candidate is found. Applications will be accepted until the position is filled. For further information, please contact Dr. Geoffrey Morris at gpmorris@ksu.edu.

Kansas State University is an equal opportunity, affirmative action employer and actively seeks diversity among its employees. Background checks required.