Title: Postdoctoral associate position in plant quantitative genetics at the University of Nebraska-Lincoln

The University of Nebraska is seeking to fill a post-doctoral research associate – statistical and computational methods position. This is a 12-month, non-tenure leading, 100% research position in the Department of Animal Science. The incumbent will develop and implement statistical and computational methods in quantitative genetics to study the genetic and physiological architecture of high nighttime temperature stress in crops (rice and wheat) Additional project information is available at: https://www.nsf.gov/awardsearch/showAward?AWD_ID=1736192&HistoricalAwards=false

Responsibilities will be oriented toward quantitative genetic analysis of longitudinal high-throughput plant phenomomic image data combined with high-dimensional genomic, transcriptomic, and metabolomic data. The projects include, but are not limited to, the following: 1) theoretical development and application of genome-wide association analysis using phenotypic, RNA-seq, and metabolomic data, 2) omics-based phenotypic prediction, and 3) software development in R, Julia, and C++.

Candidate will work with an interdisciplinary team and will be mentored by Dr. Gota Morota (Quantitative Genetics), Dr. Harkamal Walia (Plant Molecular Physiology), and Dr. Qi Zhang (Statistics) at UNL. In addition, candidates are expected to work closely with other collaborators at UNL, Arkansas State University, and Kansas State University.

A Ph.D. in quantitative genetics, statistical genetics, animal breeding, plant breeding or related field, with the degree completed before employment begins, is required. Candidates with a strong background in statistics and statistical computing are preferred.

To view details of the position and make application, go to http://employment.unl.edu, position F_170115. Click “Apply to this Job” and complete the faculty form. Attach a letter of interest, curriculum vitae, and contact information for three professional references. Review of applications to begin on 10/23/2017 and continue until the position is filled or the search is closed.

The University of Nebraska-Lincoln is committed to a pluralistic campus community through affirmative action, equal opportunity, work-life balance, and dual careers. See http://www.unl.edu/equity/notice-nondiscrimination.
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