Tenure Track Assistant Professor - Statistical Prediction

Position Information

- Working Title: Tenure Track Assistant Professor - Statistical Prediction
- Department/College/Unit: Statistics IANR-0832
- Requisition Number: F_150217
- Posting Open Date: 09/15/2015
- Application Review Date: 01/15/2016

Posting Close Date: No

Description of Work

Develop a high-impact research and teaching program that is recognized nationally and internationally to develop statistical methods and algorithms to predict plant phenotypes using a variety of complex and high dimensional data types. More specifically, the goal is to use genomic, image, environmental, and related complex and high dimensional data to predict plant phenotypes for dynamic traits measured in high temporal density. In this position the faculty member will work with subject matter experts to study functional genomic pathways controlling dynamic crop traits critical to abiotic/biotic stress tolerance. The incumbent will be expected to average 0.40 FTE as determined by the CASNR Academic Appointment Guidelines. The usual teaching load will be three courses per year, or equivalent, as assigned by the chair. Specific course assignments may be changed over time according to academic unit need. Overall the appointee should seek and establish effective disciplinary and transdisciplinary collaborations including effective integration with research groups and educational programming. Connect with stakeholders, agency and/or industry partners to strengthen research/educational programming. Effectively obtain and leverage external and internal support (grants, fee revenue, etc.) for research/teaching programs. Mentor graduate students. Publish in high-quality, high-impact peer-reviewed journals, and participate in scientific meetings and other appropriate professional activities. Translate research-based information into learner-centered products. This includes creating scholarly, innovative, and high impact learning programs and tools. Identify issues and opportunities focused on learner needs and emerging regional and national issues with international relevance.

Minimum Required Qualifications

1) PhD in Statistics or closely related quantitative field focusing on high dimensional and complex data relevant to plant phenotyping.
2) Computational skills appropriate for predicting plant phenotypes from complex and high dimensional data.
3) Excellent communication skills (written and verbal) and the ability to communicate well with subject matter specialists engaged in plant phenotyping.

Preferred Qualifications

1) Experience collaborating with subject matter specialists in the general area of predicting plant phenotypes.
2) Evidence of interest or experience predicting plant phenotypes using high
dimensional and complex data.
3) Teaching experience in the area of statistics, computing, agronomy, or other fields
germane to the methodology of plant phenotyping.

Pre-Placement Driving
Record Review Required
Criminal History
Background Check
Required
No

Posted Salary
How to Apply
To view details of the position and make application, go to http://employment.unl.edu.
Search for requisition number F_150217. Click on "Apply to this job." Complete
application. Attach letter of interest, CV, research and teaching statements (as
"Other"), each one page. Applicants must arrange for three reference letters to be sent
to chill12@unl.edu.

For questions or
accommodations related
to this position contact
Jennifer Clarke
jclarke3@unl.edu
402-472-2512

Job Category
Job Category (old) Faculty Tenure/Tenure Leading
Job Type 9 Month
Position funded by grant
or other form of
temporary funding? No

If Temporary, indicate end
date
Planned Hire Date August, 2016
Appointment End Date

Supplemental Questions

Required fields are indicated with an asterisk (*).

Required Documents

Required Documents
1. Letter of Interest
2. Curriculum Vitae
3. Other Document

Optional Documents