

The Institute of Agriculture and Natural Resources at the University of Nebraska-Lincoln is a global leader in crop and animal genetics and breeding. We are augmenting these strengths by recruiting for three more positions: a Quantitative Plant Geneticist, a Quantitative Animal Geneticist, and a Statistical Geneticist. The combined, interdisciplinary expertise is crucial for developing quantitative genetic methodologies for crop and livestock research focused on interactions between genotypes and environment. The individuals in these new positions will join a team of quantitative and molecular geneticists largely focused on sustainable production agriculture and resilient ecosystems. They will also provide needed capacity in teaching quantitative genetics and its statistical foundations.

The Department of Statistics at the University of Nebraska-Lincoln (UNL) Institute of Agriculture and Natural Resources (IANR) is seeking applications for an Open Rank Statistical Geneticist position. This 9-month (academic year), tenure-track appointment will help drive and bridge the ongoing work being done in IANR plant and animal genetics with the development of new and innovative theory and methods in quantitative genetics that will support the increasing amounts of available genomic information towards breeding and other genetic applications, and to provide the next generations of experts with sound theoretical training through integrated teaching programs. The apportionment is 50% research and 50% teaching. This position will be located in Lincoln, Nebraska

The successful candidate will develop a high-impact, nationally and internationally recognized research and teaching program in Statistical Genetics and related quantitative analyses. This includes methodology, applications, computing and theory, especially as applied to data sets in fields of interest to IANR so as to extract the maximum information from the data. The incumbent is expected to collaborate with current faculty in both the agricultural/natural resource sciences and the computational/statistical sciences. This position is one of three related positions being advertised by UNL in anticipation of strengthening research collaborations researchers in departments such as Animal Science (who have access large and unique populations of cattle and swine) and Agronomy & Horticulture (who have access to state-of-the-art crop phenomics data) as well as collaborative research with other departments.

Recognizing that diversity within a context of inclusivity enhances creativity, innovation, impact, and a sense of belonging, the Institute of Agriculture and Natural Resources (IANR) and the Department of Statistics are committed to creating learning, research, Extension programming, and work environments that are inclusive of all forms of human diversity. We actively encourage applications from and nominations of qualified individuals from underrepresented groups.

Specific duties for this position are:

Research 50%

Research duties for this position may include field work with extension teams, subject matter experts and other partners. Consistent with the role and mission of the departments, the appointee is expected to seek sources of external funding to help support the research program.

Teaching 50%

In addition, the successful candidate will support the recruitment, funding, and training of undergraduate and graduate students. The usual teaching load will be three standard courses per year, or equivalent, as assigned by the department chair(s). Specific course assignments may be changed over time according to academic unit's need.

The appointee will also contribute, as an effective scholar and citizen of a land-grant institution, to the integrated mission of home units (e.g., department, center), including supporting student recruitment, IANR science literacy initiative, and beyond. Additional responsibilities of the academic appointment are to participate in retention and placement activities and teaching outcomes assessment, instructional improvement, and teaching scholarship. In addition, the individual will be expected to accept committee assignments, reporting responsibilities, and other special ad hoc assignments as requested at the administrative unit, college/division, institute, and/or university level.

A PhD in Statistics with an emphasis on statistical genetics or a closely related field is required. Written work on statistical genetics including methodology and applications or closely related fields, and proven computational proficiency are also required.

Preference will be given to applicants who have demonstrated experience in statistical genetics in a field of importance to IANR; experience with multiple data types; excellent communication skills; proven record of teaching at the university level; and interest in working with diverse and/or under-represented communities or groups.

Review of applications will begin April 4, 2022 and continue until the position is filled or the search is closed. To view details of the position and create an application, go to <https://employment.unl.edu>, requisition F_220021. Click "Apply to this job" and complete the information form. Attach 1) a letter of interest that describes your qualifications for the job, anticipated contributions, and the value you place on diversity and your anticipated contributions to creating inclusive environments in which every person and every interaction matters (2 page maximum; see <https://ianr.unl.edu/tips-writing-about-commitment-to-deib> for guidance in writing this statement); 2) your curriculum vitae; 3) a teaching and research statement (1 page each; combine into one document); and 4) contact information for three professional references.

As an EO/AA employer, qualified applicants are considered for employment without regard to race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation. See <https://www.unl.edu/equity/notice-nondiscrimination>.