

**The Department of Entomology at the University of Nebraska-Lincoln (UNL) Institute of Agriculture and Natural Resources (IANR) is seeking applications for an arthropod vectors of plant pathogens position at the rank of assistant professor. This 9-month (academic year), tenure-track appointment will specialize in arthropod vector biology and/or ecology related to transmission of plant pathogens. The apportionment is 80% research and 20% teaching. This position will be located in Lincoln, Nebraska.**

The Department of Entomology is seeking a highly motivated scientist specializing in arthropod vector biology and/or ecology related to transmission of plant pathogens. The successful candidate will be expected to develop an integrated research and teaching program leading to: (1) new discoveries of the interactions of arthropods with the pathogens they transmit with emphasis on modern or novel approaches (e.g., genetic and “omics” approaches), (2) applications to improve understanding of disease epidemiology and the prevention and management of arthropod-transmitted plant pathogens, and (3) training of students and postdocs. The successful candidate will develop a strong basic and applied research program investigating the molecular, physiological, behavioral, and/or population genetics aspects of arthropod-transmitted plant pathogens. The successful candidate will have a strong background in elucidating interactions between arthropod vectors and plant pathogens leading to a reduction in disease incidence.

### **Research Responsibilities**

The incumbent will be expected to average .80 FTE. Areas of research emphasis may include exploration of pathways involved with pathogen acquisition and transmission and development of new approaches to manage plant diseases resulting from arthropod-transmitted pathogens. In addition to collaboration with entomology colleagues, the selected candidate will collaborate with plant breeders, plant pathologists, virologists, computational biologists, and/or others in developing novel strategies to manage plant diseases. This position complements existing institutional strengths in entomology, plant pathology, agronomy, virology, and other areas.

### **Teaching Responsibilities**

The incumbent will be expected to average .20 FTE as determined by the CASNR Academic Appointment Guidelines. The incumbent will be expected to develop a graduate level course in their area of ecology and management of arthropod vectors of disease and at least one additional course in an area of departmental need.

In addition to the above-described duties, 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.

The candidate will also be expected to serve as a leader with vision toward global leadership for a vector biology program at UNL, to effectively work with other UNL scientists in interdisciplinary teams to accomplish project goals, and to contribute to an inclusive and equitable culture. Service activities may also include departmental, university, and professional committee work and/or activities appropriate to the position.

Applicants must hold a Ph.D. in Entomology or a related discipline. The successful candidate must have strong training and experience with modern approaches to the study of biology and/or ecology of plant-vector-pathogen interactions. Areas of preferred experiences include plant/arthropod anatomy/physiology, molecular biology, plant pathogen assay techniques, and rearing of arthropod colonies. Demonstrated written and oral communication skills, including the ability to publish in quality peer-reviewed journals, are required.

Preferred qualifications include demonstrated success in obtaining competitive extramural funding, mentoring undergraduate and graduate students, postdoctoral and teaching experience, and participation in multidisciplinary teams.

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 Entomology 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.

The University of Nebraska-Lincoln is located in a vibrant and safe city of nearly 300,000 people that has many of the cultural and entertainment benefits of a much larger city, with the feel of a friendly Midwestern community. With more parkland per capita than Austin, Portland, and all but a handful of U.S. cities, an extensive (and growing) bike trail network, many and diverse employment opportunities and a low cost of living, Lincoln is one of the fastest growing metro areas in the Midwest. Lincoln also has a flourishing business community and is the home of Nebraska's state government. Lincoln boasts a highly educated workforce that is very attractive to business expansion and new business development. Lincoln also has a growing technology sector, and Agriculture and manufacturing are also key employers. The Nebraska Innovation Campus promises new tech sector jobs in the future. The Lincoln Municipal Airport is located 10 minutes from downtown, with more flights available at Omaha's Eppley Airfield, just 50 miles away. Additional information about the University of Nebraska-Lincoln can be found at <https://www.unl.edu>, and information regarding Lincoln, Nebraska at <https://www.unl.edu/lincoln/about-lincoln>.

Review of applications will begin May 16, 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\_220067. Click "Apply to this job" and complete the information form. Attach 1) a letter of interest that describes your qualifications for the job and anticipated contributions; 2) your curriculum vitae; 3) contact information for three professional references; 4) statements that describe your philosophy and approach to teaching and research (2 page maximum); 5) a statement of 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). Please combine the statements (items 4 and 5) into one document and submit as "Other Document."

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>.