



University of Nebraska-Lincoln
Institute of Agriculture and Natural Resources
Position Announcement

Post-Doctoral Research Associate
Population Genetics/Genomics of Fungal Plant Pathogens

The Department of Plant Pathology at the University of Nebraska-Lincoln is pleased to accept applications for a Post-Doctoral Research Associate position in Population Genetics/Genomics of Fungal Plant Pathogens. This is a 12-month, non-tenure leading position established for a period of one year. *This position is available immediately.*

Continuation of the position beyond one year is dependent upon satisfactory performance of the incumbent in successfully accomplishing assigned duties, and upon availability of grant funds.

The core purpose of research in this position is to develop new molecular and computational tools that will improve understanding of continental-scale population structure of the notorious plant pathogen, *Sclerotinia sclerotiorum*. The successful candidate will have responsibilities in two areas: mining and development of novel SSR markers and development of a reactive website via RShiny with a reference database of genotypes to allow comparisons by other researchers. Development of new SSR markers will require mining available genomes to identify new candidate loci. Implementation of the reactive website will require modification of existing R scripts and HTML pages. Previous work experience with population genetic analyses, computational biology, and fluency in one or more computer programming languages are desired (R, Linux, Perl, Python, etc.). Opportunities for teaching and supervisory experience will be provided. The incumbent will be expected to publish research results in refereed journals, present their research findings at national and international scientific meetings, and assist in preparation of nationally competitive grant proposals. The incumbent should have the ability to work independently as well as with a diverse team of researchers.

Requires a Ph.D. degree in place by date of employment. The successful candidate must have strong oral and written communication skills and publication record.

To apply for this position, email a single pdf file containing a letter of application describing research interests, professional goals, and specific qualifications, a CV, copy of transcripts, and contact information of three references to: Dr. Sydney Everhart, Assistant Professor of Plant Pathology, everhart@unl.edu Phone: 402-472-2879. Review of applications will begin on August 8, 2016 and continue until the position is filled or the search is closed.

The University of Nebraska has an active National Science Foundation ADVANCE gender equity program, and is committed to a pluralistic campus community through affirmative action, equal opportunity, work-life balance, and dual careers.

INSTITUTE OF AGRICULTURE AND NATURAL RESOURCES, UNIVERSITY OF NEBRASKA-LINCOLN

The Institute of Agriculture and Natural Resources (established in 1973 by the Nebraska State Legislature to give added emphasis to agriculture and the management of natural resources in Nebraska) serves the people of Nebraska in the four-fold mission of teaching, research, extension and service. Commonly referred to as "IANR," the Institute is administered by the Vice Chancellor for Agriculture and Natural Resources and has faculty and staff located throughout the State. IANR faculty and staff have appointments in the following divisions: **Agricultural Research Division, College of Agricultural Sciences and Natural Resources, College of Education and Human Sciences** (research and extension), and **Cooperative Extension Division**. Each division is administered by a Dean or Director. The Institute is comprised of 15 academic units, four regional research and extension centers, several interdisciplinary centers and program units. The IANR Vice Chancellor holds the Vice President title in the University of Nebraska system and is also administratively responsible for the Nebraska College of Technical Agriculture at Curtis. Visit the IANR web site at www.ianr.unl.edu.

"THE STAR CITY" – A PLACE TO WORK AND ENJOY LIFE

Lincoln, Nebraska, a community of more than 250,000 people, offers the ambience of a friendly small town with attractions and entertainment characteristic of a metropolitan area. Lincoln is a young city with a bright future of planned growth and expansion. It is one of the fastest growing non-Sun Belt cities in the U.S. and one of the fastest growing metro areas in the Midwest.

The capital city, Lincoln, is home to state government and the flagship campus of the University of Nebraska. The city also hosts Nebraska Wesleyan University, Union College, Southeast Community College, Doane College-Lincoln and the Hamilton College-Lincoln Campus. Lincoln has an excellent educational system and ranks in the top 20 least stressful cities in the nation for children. Residents enjoy nationally ranked sporting events, world famous performing arts, and a variety of cultural activities. Among the attractions: the 2,200-seat Lied Center for Performing Arts, the Sheldon Memorial Art Gallery and Sculpture Garden, four history museums, a planetarium, observatory, many private art galleries, live-stage theater venues, a civic auditorium, the 87,000 seat Memorial Stadium, 14,400 seat Devaney Center and new baseball/softball stadium facilities.

Cost-of-living ranks 3 to 5 percent below the national average of comparable cities with among the nation's lowest health care costs, utility bills and insurance rates. Lincoln's low crime rate, efficient transportation, stable business environment and advanced health care technology are a few reasons why Lincoln ranks high in livability studies. In addition, there are over 131 miles of multi-use trails in Lincoln.

You are invited to explore Lincoln on-line for the most current information.

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www.nebraska.edu	Website for the University of Nebraska four-campus system
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www.lcoc.com	Lincoln Chamber of Commerce
www.lincoln.org	Lincoln/Lancaster County Convention and Visitors Bureau
www.state.ne.us	Official Nebraska State Government website
www.ci.lincoln.ne.us	Official Lincoln City Government website
www.gptn.org	Great Plains Trails Network website with map of Lincoln trails