Illinois is a world leader in research, teaching, and public engagement. We serve the state, the nation, and the world by creating knowledge, preparing students for lives of impact, and addressing critical societal needs through the transfer and application of knowledge. Illinois is the place where we embrace difference. We embrace it because we value it. Illinois is especially interested in candidates who can contribute, through their research, teaching, and/or service, to the diversity and excellence of the Illinois community.

**PRIMARY FUNCTION**
Conduct maize research and manage wet laboratory and pathology operations for a corn lab.

**DUTIES AND RESPONSIBILITIES**
- Develop methodology and processes to collect plant tissue, extract DNA, and perform DNA extractions and molecular marker analyses in a high-throughput manner.
- Design and conduct research relating to disease resistance in maize, including analyzing results and summarizing data.
- Maintain seed stocks in operations including pollinating corn to increase seed.
- Create and maintain a database for seed and nursery management.
- Use scientific judgment to determine appropriate methods, work independently to collect, evaluate and analyze data collected from various research projects.
- Produce inoculum for greenhouse and field studies, including preparing media, culturing pathogens, and disposing of biological waste.
- Maintains inventory of chemicals and prepares solutions and reagents for use in the laboratory, field, or greenhouse, and safely disposes of waste material.
- Design and conduct experiments to screen maize germplasm for disease resistance in greenhouse and field settings. This may require using farm equipment.
- Supervise hourly students by creating work schedules, assigning work detail, and overseeing quality of work.
- Train hourly students in the design and execution of molecular biology and pathology experiments.

**EDUCATION**
Required: BS degree in Agronomy, Crop Sciences, Plant Pathology, Horticulture or related area
Preferred: MS degree in Agronomy, Crop Sciences, Plant Pathology, Horticulture or related area.

**EXPERIENCE**
Required:
- Candidates must have at least 2 years of experience in pathology and molecular genetics research.
• Experience extracting DNA and performing PCR reactions
• Experience managing personnel
• Experience producing pathogen inoculum
• Experience designing, conducting, analyzing, and summarizing scientific experiments

Preferred:
• At least 1 year experience with corn pathology.
• Experience managing a laboratory including chemicals and waste disposal

TRAINING/CERTIFICATIONS/LICENSES
Must possess or be able to obtain an Illinois Driver’s License.

KNOWLEDGE REQUIREMENTS
Excellent organizational skills and the ability to initiate and supervise daily tasks ensuring quality work and attention to detail. Ability to contribute to an environment that fosters learning in a multi-cultural setting.

APPOINTMENT STATUS
This is a 12-month, 100% academic professional position.

SALARY
Salary will be commensurate with qualifications and experience

PROPOSED STARTING DATE
This position is available as soon as possible after the closing date. Application materials may be reviewed prior to the close date and will continue until the most qualified candidate is identified.

APPLICATION PROCEDURES
Please create your candidate profile at http://jobs.illinois.edu and upload a cover letter indicating your qualifications, resume and contact information for three references by March 6, 2016. All requested information must be submitted for your application to be considered. Individuals with diverse backgrounds are strongly encouraged to apply.
For further information regarding application procedures, you may contact Linda Kemplin, kemplin@illinois.edu. You may also visit http://cropsci.illinois.edu for additional information.

The University of Illinois conducts criminal background checks on all job candidates upon acceptance of a contingent offer.

Illinois is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, religion, color, national origin, sex, sexual orientation, gender identity, age, status as a protected veteran, status as a qualified individual with a disability, or criminal conviction history. Illinois welcomes individuals with diverse backgrounds, experiences, and ideas who embrace and value diversity and inclusivity. (www.inclusiveillinois.illinois.edu).