Graduate Research Assistantship

The Plant-Virus Interactions Lab at The Nebraska Center for Virology, University of Nebraska-Lincoln, is seeking highly motivated, goal oriented candidates for a Ph.D. graduate research assistantship. Our research program is focused on molecular mechanisms of plant-virus interactions. The successful applicant will be part of a team working on the molecular mechanisms of antiviral defense, virus replication, and their interactions. We use a systems approach and a combination of experimental disciplines including biochemistry, cell biology, plant pathology, genetics, proteomics, genomics and bioinformatics. The successful candidate will work and communicate well with other members of the lab, and other researchers at the Nebraska Center for Virology and the Department of Plant Pathology.

REQUIREMENTS

The successful applicant will meet the following qualifications:
- Master’s of Science degree in plant biology, genetics, plant pathology, bioinformatics, computational biology, or closely related discipline, or a minimum of two years experience in biological or computational scientific research in academy or in the biotech industry.
- Wet-lab experience with all basic molecular biology techniques.
- Experience generating or analyzing next generation sequencing data or strong desire to learn.
- Strong commitment to learning and developing scientific skills while actively doing research.
- Experience in molecular virology, plant biology, biochemistry, genetics or genomics.
- Willingness to learn new experimental techniques.
- Excellent verbal and written communication skills.
- Ability to work both independently and in a team setting.
Preferably
- Experience working with plants, bacteria and viruses.
- Experience with transient expression systems and plant transformation.

APPLICATION INSTRUCTIONS

A complete application will include 1) a cover letter (2 to 3 paragraphs) explaining personal motivation for pursuing a research oriented graduate program and the fit between career goals and this position, 2) CV detailing work and research experience, publications, GPA, breakdown of GRE scores, and/or TOEFL/IELTS scores (for international applicants), and 3) a list of three references. Review of applicants will continue until the position is filled. A formal graduate school application will need to be submitted by the successful candidate.

Inquiries, applications and related questions can be directed to Dr. Hernan Garcia-Ruiz (hgarciaRuiz2@unl.edu).