



Postdoctoral Scholar in Insect Virology / Physiology

A postdoctoral position is available to work on identification of virus receptors in the pest lepidopteran species, *Spodoptera frugiperda*, and characterization of molecular interactions between viruses and the insect gut epithelium.

Responsibilities:

Responsibilities include 1) two-dimensional gel electrophoresis and ligand blot analysis to identify putative gut receptor proteins for lepidopteran viruses, 2) baculovirus expression of candidate receptor proteins, 3) testing of candidate proteins for their ability to mediate virus entry into the cell, and 4) delineating viral coat protein domains involved in receptor interaction.

Required Qualifications:

- PhD in entomology, virology, microbiology, biochemistry or a related area
- Solid molecular biology and biochemistry skills

Preferred qualifications:

- Research experience with insect physiology and / or virology
- Experience with cell culture and baculovirus expression system
- Strong communication and organizational skills.

Location: This position is based in the laboratory of Dr. Bryony C. Bonning, Eminent Scholar and Professor, [Department of Entomology and Nematology](#) at University of Florida. The [Bonning lab](#) provides outstanding infrastructure for cutting-edge research and has a strong record of innovation and trainee placement within the agricultural biotechnology industry sector, USDA and academia.

University of Florida has the largest Entomology and Nematology department in the nation, with outstanding facilities. The diverse faculty has strengths in both basic and applied research, and strong collaborative and interdepartmental interactions. Gainesville, Florida is consistently ranked among the [Top 10 Best College Towns](#) in the U.S.

How to Apply: Candidates should apply by emailing a single pdf file with “PD Application – virus2” in the subject line containing 1) a statement of research experience, interests and career goals, 2) curriculum vitae including complete publication list, 3) names, e-mail addresses and telephone numbers for three references to: Dr. Bryony C. Bonning, E-mail: bbonning@ufl.edu

Review of applications will begin on **Friday, May 20, 2022** and continue until the position has been filled.

The [Institute of Food and Agricultural Sciences](#) is committed to creating an environment that affirms diversity across a variety of dimensions, including ability, class, ethnicity/race, gender identity and expression. We particularly welcome applicants who can contribute to such an environment. If an accommodation due to a disability is needed to apply for this position, please call 352-392-2477 or the Florida Relay System at 800-955-8771 (TDD) or visit [Accessibility at UF](#).

The Foundation for The Gator Nation

An Equal Opportunity Institution