



Postdoctoral Scholar in Insect Virology / Cell Culture

A postdoctoral position is available to work on the replication of hemipteran viruses in insect cell culture. A major challenge for insect virology has been the lack of cell lines suitable for virus replication in non-lepidopteran species. The goal of this project is to screen continuous hemipteran cell lines for the presence of latent viruses, and to assess their ability to support the replication of viruses derived from various species of Hemiptera (e.g. stink bugs, aphids, Asian citrus psyllid).

Responsibilities:

Responsibilities include 1) virus purification from infected insects, 2) analysis of latent viruses in established cell lines, 3) generation of virus-free cell lines using RNAi, 4) testing of established hemipteran cell lines for their ability to support virus replication, and 5) testing of primary cell cultures for their ability to support virus replication. The position is available for 1 year with the potential for renewal.

Required Qualifications:

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

Preferred qualifications:

- Research experience with virology
- Experience with cell culture
- 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 –Virus” 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 **Thursday, August 25th, 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](#).

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