

Postdoctoral Associate Position

Virus-Insect interactions in the insect midgut

A postdoctoral position is available in the Blissard Lab at the Boyce Thompson Institute at Cornell University, for a highly motivated scientist to study virus-insect interactions in insect midgut epithelial cells and cultured cells. The project continues our prior studies using transcriptome analysis to examine viral gene expression and host responses in baculovirus-infected lepidopteran midgut cells. The studies will examine why certain baculovirus midgut infections are successful in some species, but not in others. The results are expected to contribute to a basic understanding of permissive and non-permissive virus-insect interactions in the insect gut, with particular emphasis on and relevance to tissue-specific viral gene expression and insect midgut transcriptional responses to baculovirus infection and viral pathogenesis.

Skills and background: Candidates should have a Ph.D. in molecular or cell biology, virology, genetics, insect molecular biology, or a related discipline, be self-motivated, and have excellent communication and organizational skills. Solid molecular biology skills are necessary, and basic experience with or strong interests in molecular virology and global gene expression analysis, are desirable. Experience with insect cell culture and a background and/or interests in insect immunity or physiology are also desirable. We seek a self-starter that can work independently in the design and execution of experiments, and that will work productively with collaborators. To apply, please provide a cover letter describing research experience and interests, a current CV, and names and contact information of three professional references to: Dr. Gary Blissard (gwb1@cornell.edu)

via the following application website:

<http://bti.hrmdirect.com/employment/job-opening.php?req=1593597&#job>

Consideration of applications will begin immediately. The Boyce Thompson Institute is an affirmative action/equal opportunity employer committed to multicultural diversity.

Lab Website:

<http://bti.cornell.edu/faculty/gary-blissard/>

Location: The Boyce Thompson Institute and Cornell University comprise a competitive and vibrant scientific environment, with a large life sciences campus community, and state-of-the-art facilities for genomics, proteomics, imaging, bioinformatics, etc. There are abundant opportunities for training and collaboration with experienced local scientists, including exceptional bioinformatics groups within the Institute. Ithaca New York is in the Finger Lakes region of Central New York, an environment of spectacular lakes, waterfalls, gorges, rolling hills, farmland, vineyards, and state parks. The area has outstanding summer and winter recreational opportunities for individuals and families. As a major university town, the Ithaca community is culturally diverse with excellent theater, music, sports, and other activities, combined with the warmth and friendliness of a small city. The area is known for its extensive walking and hiking trails, arboretum, Laboratory of Ornithology, Museum of the Earth, Johnson Museum of Art, Farmers Market, and a hands-on Sciencenter for children of all ages. For further information, visit these links:

<http://www.visitithaca.com>

<http://www.cornell.edu/>

<https://btiscience.org/>