

About UMass Amherst

UMass Amherst, the Commonwealth's flagship campus, is a nationally ranked public research university offering a full range of undergraduate, graduate and professional degrees. The University sits on nearly 1,450-acres in the scenic Pioneer Valley of Western Massachusetts, and offers a rich cultural environment in a bucolic setting close to major urban centers. In addition, the University is part of the Five Colleges (including Amherst College, Hampshire College, Mount Holyoke College, and Smith College), which adds to the intellectual energy of the region.

Job Summary

The University of Massachusetts Amherst, Department of Environmental Conservation seeks a Post-Doctoral Fellow to perform research on development of novel biologically based pesticides for controlling gypsy moth and other invasive lepidopteran pests of northeastern forests. The research will be conducted at the Invasive Insect Biocontrol and Behavior Laboratory (IIBBL) of the Agricultural Research Service, USDA, Beltsville, MD. Potential areas of study include characterization and development of novel bacterial or viral insect pathogens utilizing IIBBL's extensive collection of insect pathogens, identification of genetic loci encoding toxins or controlling toxin production, or identification of targets for selective disruption of pest gene expression using RNA interference. Research methods employed may include lab scale bioassay, qRT-PCR for analysis of gene expression, and high throughput genomic sequencing, assembly and annotation.

The position will be based at the Invasive Insect Biocontrol and Behavior Laboratory of the Agricultural Research Service, USDA, Beltsville, MD 20705.

The term of employment will be for two years, with possible extension.

Candidates must possess a doctorate in Entomology or Microbiology at the time of hire. An emphasis on insect or invertebrate pathology, and strong molecular biology skills is preferred.

Please submit an application at the following link:

<https://careers.umass.edu/amherst/en-us/job/508097/post-doctoral-research-associate-invasive-insect-biocontrol-and-behavior-laboratory>

As part of a commitment to their own multicultural community, CNS seeks an individual with a demonstrated commitment to diversity and one who will understand and embrace university initiatives and aspirations. (<https://www.cns.umass.edu/diversity-equity-inclusion>)

UMass Amherst is committed to a policy of equal opportunity without regard to race, color, religion, gender, gender identity or expression, age, sexual orientation, national origin, ancestry, disability, military status, or genetic information in employment, admission to and participation in academic programs, activities, and services, and the selection of vendors who provide services or products to the University. To fulfill that policy, UMass Amherst is further committed to a program of affirmative action to eliminate or mitigate artificial barriers and to increase opportunities for the recruitment and advancement of qualified minorities, women, persons with disabilities, and covered veterans. It is the policy of the UMass Amherst to comply with the

applicable federal and state statutes, rules, and regulations concerning equal opportunity and affirmative action.