

Postdoctoral Research Associate – Hemlock Mortality

We seek a postdoctoral research associate to explore patterns of mortality in Eastern hemlock and improve protocols to detect trees that may be resistant to hemlock woolly adelgid. Eastern hemlock is a foundational species of many temperate forests, has been in decline across much of its range in the eastern United States as a result of hemlock woolly adelgid.

The postdoc will independently conduct research into the occurrence of hemlock mortality in the eastern United States using existing and newly collected datasets. A key goal is to improve practices for identifying individuals potentially resistant to hemlock woolly adelgid. Responsibilities will include collecting and analyzing scientific data for presentation; recording and archiving data ; writing manuscripts with the end goal of scientific publication(s); other activities as required. The position will collaborate closely with scientists at Holden Forests & Gardens, the US Forest Service, and other organizations.

We seek candidates with a PhD in ecology, forestry, biology, or a related discipline.

The successful candidate will be based at the Holden Arboretum campus of Holden Forests & Gardens (HF&G). HF&G is made up of two of Northeast Ohio's most important environmental and cultural institutions — Holden Arboretum and Cleveland Botanical Garden — whose mission is to connect people with the wonder, beauty, and value of trees and plants, to inspire action for healthy communities. The 12th largest public garden in the country, HF&G has over 17,000 member households and more than 380,000 annual visitors who enjoy inspirational and educational experiences. HF&G is making a positive impact in the region and beyond through urban greening and forestry initiatives, environmental research, nature-based educational programs, and world-class visitor experiences at its two campuses.

Opportunity:

Holden Forests & Gardens seeks a Postdoctoral Research Associate to explore patterns of mortality in Eastern hemlock and improve protocols to detect trees that may be resistant to hemlock woolly adelgid. Eastern hemlock is a foundational species of many temperate forests, has been in decline across much of its range in the eastern United States as a result of hemlock woolly adelgid.

The postdoc will independently conduct research into the occurrence of hemlock mortality in the eastern United States using existing and newly collected datasets. A key goal is to improve practices for identifying individuals potentially resistant to hemlock woolly adelgid. Funding is for one year, with an additional year possible based on funding and performance.

Key responsibilities of the Postdoctoral Research Associate position:

Conduct scientific research within the scope of the lab or grant

Collect and analyze scientific data with appropriate measures for presentation

Record and archive data

Write manuscripts with the end goal of scientific publication(s)

Collaborate closely with scientists at Holden Forests & Gardens, the US Forest Service, and other organizations

Mentor undergraduate and high school students working on the project

Participate in or lead public outreach activities

Performs other duties as required by supervisor

Qualifications and Skills:

PhD in biology, ecology, forestry or related discipline

Proficient in Microsoft 365 products, including Outlook, Word, Excel, PowerPoint, and Teams, with the ability to efficiently create, edit, and collaborate on documents and communications across platforms.

This position is open to US citizens and permanent residents

Pass a criminal background check

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Apply:

Review of applications will begin immediately and continue until the position is filled.

Qualified applicants should cover letter, curriculum vitae, and the contact information for 3 professional references.

(For questions concerning the position please contact Katie Stuble kstuble@holdenfg.org, for questions regarding your application please contact Jillian Schaefer jschaefer@holdenfg.org).

Some of the reasons Holden Forests & Gardens (HF&G) is a great place to work!

We offer Medical, Dental and Vision Benefits | Paid Time Off | 8 Paid Holidays a year | 403(b) | Employee sponsored life insurance, long term disability and short-term disability | Work in a beautiful environment within Greater Cleveland | Discounts in our stores & cafes | Free parking at both campuses anytime we are open | Free admission to many Northeast Ohio Museums | Free Employee Assistance Program | And Much More!

Holden Forests & Gardens is an equal opportunity employer and values an authentic sense of belonging at all levels of the organization, including staff, volunteers, Board of Directors, and visitors. HF&G believes that working toward an equitable culture that values all perspectives

enriches the work environment, helping achieve our goal to build a greener and healthier Northeast Ohio. We are working to create and sustain a supportive environment and sense of belonging for people of all backgrounds. HF&G promotes an equitable approach in its hiring, retention, and promotion; in Board recruitment efforts; and in community partnerships and programming.

[Apply for this Position](#)

Pam Brown

Science & Conservation Administrative Coordinator

Holden Forests & Gardens

440.602.3849

Feel the sunshine! At the Cleveland Botanical Garden, [Between Water & Stone](#), a celebration of our Japanese Garden's 50th Anniversary, will be on display through September 1. At the Holden Arboretum, summer wildflowers set the scene for the stunning sculptures of [Forest Forms](#), on display through September 7. Both campuses are bursting with engaging [events and programs](#) you won't want to miss! Sign up for our [e-newsletter](#) and visit holdenfg.org for more info.

