

2018 Summer Research Internships



The Program

Interns spend the summer conducting independent research at the Holden Arboretum, a part of Holden Forests & Gardens, located near Cleveland, OH. The Arboretum offers over 3,600 acres of forested land, extensive living plant collections, and high-tech laboratories. In addition to research activities, interns will be involved in field trips and professional development, such as: weekly journal clubs, scientific lectures, networking with other scientific researchers in the greater Cleveland area, and presenting a poster of their research at Holden's SEARCH symposium.

Research

Interns will conduct research under one of three broad themes:

- **Community ecology** – How do global change drivers including climate change, non-native species, and land use change restructure our natural world?
- **Plant physiology** – How does plant physiology vary across environments and over time, and how does this shape the distribution of plants on earth?
- **Soil ecology** – How do microbes in the soil shape plant communities and their function in the ecosystem?

Skills learned over the summer may include: plant and insect identification, extracting, amplifying, and analyzing DNA, or using an LI-6400 to measure plant gas exchange. Regardless of the area of focus, interns will also learn about experimental design, reading and critiquing scientific literature, data analysis in R, and scientific communication.

Eligibility

Open to US citizens and permanent residents who are current undergraduates or recent graduates. Holden Arboretum is an Equal Opportunity Employer committed to hiring a diverse and talented workforce. Interns are responsible for their own transportation.

Timeline

May through August 2018, exact start and end dates flexible

Pay

\$11 per hour, or about \$5280 over the 12-week internship

Housing

Shared intern housing available on-site for \$30 per week

Applications

Submit applications by February 15th, 2018 for full consideration. Include a resume, two references, and a letter of interest specifying your preference for research theme.

Research intern (ARB 2018)

https://workforcenow.adp.com/jobs/apply/posting.html?client=tha&jobId=36515&lang=en_US&source=CC3

Questions concerning the internships can be addressed to Dr. Katie Stuble (kstuble@holdenarb.org)