

Opportunity Title: USDA-ARS High School Internship: Development of Injectable Treatments for Citrus Greening Disease Management
Opportunity Reference Code: USDA-ARS-NEA-2025-0003

Organization U.S. Department of Agriculture (USDA)

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How to Apply *To submit your application, scroll to the bottom of this opportunity and click **APPLY**.*

A complete application consists of:

- An application
- Transcript(s) – For this opportunity, an unofficial transcript or copy of the student academic records printed by the applicant or by academic advisors from internal institution systems may be submitted. Click [here](#) for detailed information about acceptable transcripts.
- A current resume/CV, including academic history, employment history, relevant experiences, and publication list
- Two educational or professional recommendations

All documents must be in English or include an official English translation.

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Application Deadline 3/14/2025 3:00:00 PM Eastern Time Zone

Description ***Applications are reviewed on a rolling-basis.**

ARS Office/Lab and Location: A research opportunity is currently available with the U.S. Department of Agriculture (USDA), Agricultural Research Service (ARS). **The opportunity will be remote.**

The Agricultural Research Service (ARS) is the U.S. Department of Agriculture's chief scientific in-house research agency with a mission to find solutions to agricultural problems that affect Americans every day from field to table. ARS will deliver cutting-edge, scientific tools and innovative solutions for American farmers, producers, industry, and communities to support the nourishment and well-being of all people; sustain our nation's agroecosystems and natural resources; and ensure the economic competitiveness and excellence of our agriculture. The vision of the agency is to provide global leadership in agricultural discoveries through scientific excellence.

Research Project: Citrus greening disease is a fatal bacterial disease that has devastated the citrus industry in Florida. The disease is emerging in California and other citrus growing states and threatens the future of the citrus industry in the United States and around the world where citrus is grown. The selected participant will engage with a multi-disciplinary research team to develop novel formulations of bactericides for direct trunk injection to control citrus greening disease.

Learning Objectives: The participant will gain training in data analysis



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using statistical methods, chemistry, writing scientific manuscripts and presenting their research to diverse audiences. The participant will be given the opportunity to present their research at scientific conferences, grower meetings and other opportunities associated with the research.

Mentor(s): The mentor for this opportunity is Michelle Heck (michelle.heck@usda.gov). If you have questions about the nature of the research, please contact the mentor(s).

Anticipated Appointment Start Date: February 3, 2025. Start date is flexible and will depend on a variety of factors.

Appointment Length: The appointment will initially be for 6 months, but may be renewed upon recommendation of ARS and is contingent on the availability of funds.

Level of Participation: The appointment is part time.

Participant Stipend: The participant will receive a monthly stipend commensurate with educational level and experience.

Citizenship Requirements: This opportunity is available to U.S. citizens, Lawful Permanent Residents (LPR), and foreign nationals. Non-U.S. citizen applicants should refer to the [Guidelines for Non-U.S. Citizens Details page](#) of the program website for information about the valid immigration statuses that are acceptable for program participation. Foreign national candidates may have a mandatory in-person requirement depending on visa status.

ORISE Information: This program, administered by ORAU through its contract with the U.S. Department of Energy (DOE) to manage the Oak Ridge Institute for Science and Education (ORISE), was established through an interagency agreement between DOE and ARS. Participants do not become employees of USDA, ARS, DOE or the program administrator, and there are no employment-related benefits. Proof of health insurance is required for participation in this program. Health insurance can be obtained through ORISE.

Questions: Please visit our [Program Website](#). After reading, if you have additional questions about the application process, please email ORISE.ARS.Northeast@orau.org and include the reference code for this opportunity.

Qualifications The qualified candidate should be currently pursuing a high school degree.

Preferred skills/interests:

- The candidate should be interested in plant pathology research, pursuing a career as a scientific researcher in the future and a desire to be a part of a team on a mission to develop solutions for citrus greening disease.

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Point of Contact [Janeen](#)

- Eligibility**

Requirements
- **Degree:** Currently pursuing a High School Diploma/GED.
 - **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#) 👁)
 - **Communications and Graphics Design** ([2](#) 👁)
 - **Computer, Information, and Data Sciences** ([17](#) 👁)
 - **Earth and Geosciences** ([21](#) 👁)
 - **Engineering** ([27](#) 👁)
 - **Environmental and Marine Sciences** ([14](#) 👁)
 - **Life Health and Medical Sciences** ([51](#) 👁)
 - **Mathematics and Statistics** ([11](#) 👁)
 - **Physics** ([16](#) 👁)
 - **Science & Engineering-related** ([2](#) 👁)
 - **Social and Behavioral Sciences** ([29](#) 👁)

Affirmation I affirm that:

- I am a US Citizen, OR;
- I am a non-US citizen currently living in the United States