

**Opportunity Title:** USDA-ARS Research Internship  
**Opportunity Reference Code:** USDA-ARS-NE-2024-0074

**Organization** U.S. Department of Agriculture (USDA)

**Reference Code** USDA-ARS-NE-2024-0074

**How to Apply** *Connect with ORISE...on the GO!* Download the new ORISE GO mobile app in the [Apple App Store](#) or [Google Play Store](#) to help you stay engaged, connected, and informed during your ORISE experience and beyond!

A complete application consists of:

- An application
- Transcript(s) – For this opportunity, an unofficial transcript or copy of the student academic records, such as a high school diploma, 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.

**Application Deadline** 4/12/2024 11:59:00 PM Eastern Time Zone

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

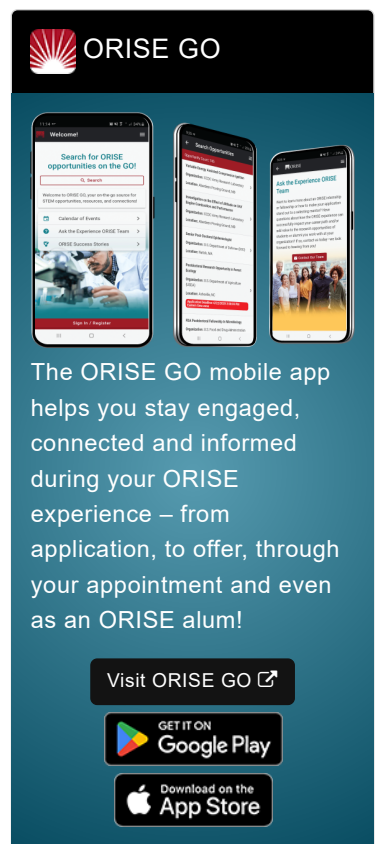
**ARS Office/Lab and Location:** A research opportunity is currently available with the U.S. Department of Agriculture (USDA), Agricultural Research Service (ARS), Genetic Improvement of Fruits and Vegetables Laboratory located in Chatsworth, New Jersey.

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:** Under the guidance of a mentor, the participant will be involved in research programs engaged in development of small fruits and vegetables with improved disease resistance, tolerance to abiotic stresses, quality, and nutritional value.

**Learning Objectives:** The interns will learn how to:

- Participate in crop improvement research lead by unit scientists that integrates conventional and molecular technologies for development of new genetic stocks, breeding lines and cultivars;
- Contribute to research focused on understanding the genetic basis of fundamental processes underlying host-pathogen interactions and apply



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- that knowledge to crop improvement; and
- Participate in development and optimization of novel disease management strategies.

**Mentor(s):** The mentor for this opportunity is Jeffrey Neyhart ([jeffrey.neyhart@usda.gov](mailto:jeffrey.neyhart@usda.gov)). If you have questions about the nature of the research, please contact the mentor(s).

**Anticipated Appointment Start Date: Spring 2024.** Start date is flexible and will depend on a variety of factors.

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

**Level of Participation:** The appointment is full 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 only.

**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](mailto:ORISE.ARS.Northeast@orau.org) and include the reference code for this opportunity.

**Qualifications** The qualified candidate should have received an associate's or bachelor's degree in one of the relevant fields, or received a high school diploma with proof of acceptance in a STEM degree program.

- Eligibility Requirements**
- **Citizenship:** U.S. Citizen Only
  - **Degree:** High School Diploma/GED, Associate's Degree, or Bachelor's Degree.
  - **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](#) )

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- **Mathematics and Statistics** ([11](#) )
- **Physics** ([16](#) )
- **Science & Engineering-related** ([2](#) )
- **Social and Behavioral Sciences** ([29](#) )