

Opportunity Title: USDA-ARS Plant Molecular Biology
Opportunity Reference Code: USDA-ARS-PWA-2026-0390

Organization U.S. Department of Agriculture (USDA)

Reference Code USDA-ARS-PWA-2026-0390

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 12/4/2026 3:00:00 PM Eastern Time Zone

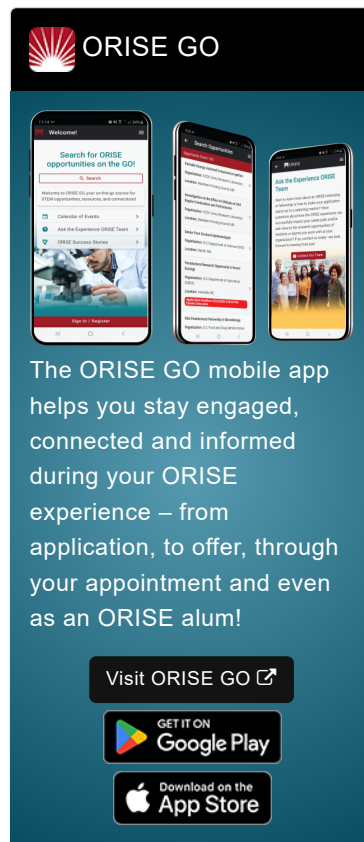
Description ***Applications are reviewed on a rolling-basis.**

ARS Office/Lab and Location: A research opportunity is currently available with the U.S. Department of Agriculture (USDA), Agricultural Research Service (ARS), in Albany, California.

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: The research project is focused on performing genetic engineering of wheat and potentially other plants with the goal of producing plants with novel desirable traits. Agrobacterium mediated transformation techniques will be developed, improved and utilized to introduce constructs of interest and CRISPR editing components to make transgenic plants. New technologies and approaches that improve the efficiency of performing plant genome engineering may also potentially be developed.

Learning Objectives: Under the guidance of a mentor, you will learn and gain



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hands on experience using multiple molecular biology and plant biotechnology related tools and techniques including plasmid vector design and assembly, GAANTRY gene stacking, plant genetic engineering, genome editing and transgenic plant characterization techniques.

Mentor(s): The mentor for this opportunity is Matthew Milner (matthew.milner@usda.gov). If you have questions about the nature of the research, please contact the mentor(s).

Anticipated Appointment Start Date: Fall 2026. 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.

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.PacificWest@orau.org and include the reference code for this opportunity.

Qualifications The qualified candidate should be currently pursuing or have received a master's degree in the one of the relevant fields.

Stipend \$5,000.00 – \$6,000.00 Monthly

Point of Contact [Janeen](#)

- Eligibility Requirements**
- **Citizenship:** U.S. Citizen Only
 - **Degree:** Master's Degree.
 - **Discipline(s):**
 - Life Health and Medical Sciences ([8](#) )