Opportunity Title: USDA-ARS Postdoctoral Fellowship in Plant Biotechnology
Opportunity Reference Code: USDA-ARS-PWA-2026-0427

Organization U.S. Department of Agriculture (USDA)

Reference Code USDA-ARS-PWA-2026-0427

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 3/12/2027 3:00:00 PM Eastern Time Zone

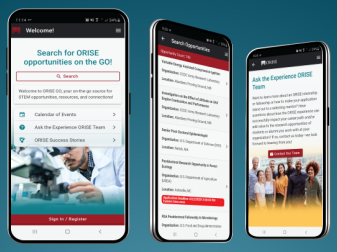
Description ***Applications are reviewed on a rolling-basis and applications may close before the deadline.**

ARS Office/Lab and Location: A research opportunity is currently available with the U.S. Department of Agriculture (USDA), Agricultural Research Service (ARS), located within the Western Regional Research Center (https://www.ars.usda.gov/pacific-west-area/albany-ca/wrrc/) located in Albany, California, part of the greater San Francisco Bay Area.

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 and gene editing of grapevine (*Vitis vinifera*) and potentially other plants with the goal of producing crops with novel desirable traits. Tissue culture and Agrobacterium-mediated transformation techniques will be developed and utilized to introduce constructs of interest and CRISPR editing components into the transgenic plants. New technologies and approaches that improve the efficiency of performing plant genome engineering may also potentially be

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developed.

Learning Objectives: Under the guidance of a mentor, you will learn and use multiple molecular biology and plant biotechnology related tools and techniques including plasmid vector design and assembly, GA*A*NTRY gene stacking, plant genetic engineering, plant tissue culture, genome editing and transgenic plant characterization techniques using droplet digital PCR and qRT-PCR.

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

Anticipated Appointment Start Date: March 1, 2027. 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 doctoral degree in the one of the relevant fields (plant science or related fields). Degree must have been received within the past four years, or anticipated to be received by 3/12/2027.

Preferred skills:

- Research experience performing plant molecular biology and genetic engineering.

Stipend $5,500.00 – $6,000.00 Monthly

Point of Contact Janeen

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Doctoral Degree received within the last 48 months or

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anticipated to be received by 3/12/2027 12:00:00 AM.

- **Discipline(s):**
  - **Life Health and Medical Sciences** (15 👁)