

Opportunity Title: USDA-ARS Postdoctoral Research Opportunity in Oilseed Genetics

Opportunity Reference Code: USDA-ARS-SE-2023-0003

Organization U.S. Department of Agriculture (USDA)

Reference Code USDA-ARS-SE-2023-0003

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A complete application consists of:

- An application
- Transcripts – [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 5/12/2023 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), located in New Orleans, Louisiana.

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 primary objectives of this project are to characterize the enzymes and other proteins that catalyze cotton cyclopropyl fatty acid biosynthesis, using various cutting-edge molecular and whole plant technologies, in cotton and other model experimental systems. The results of these approaches will be combined to develop both high- and low-CPFA varieties of gene-edited cottonseed which can be used in various future mammalian metabolic studies and whole-plant physiological analyses.

Learning Objectives: Participant will gain new skills and experiences in plant lipid metabolism and will help to develop new cotton germplasm that will contribute to achieving the research goals of the Agricultural Research Service.

Mentor(s): The mentors(s) for this opportunity is Jay Shockey (jay.shockey@usda.gov). If you have questions about the nature of the research, please contact the mentor(s).

Anticipated Appointment Start Date: February 6, 2023. Start date is flexible and



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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, 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.

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

Qualifications

The qualified candidate should have received a doctoral degree in one of the relevant fields, or be currently pursuing the degree with completion by July 1, 2023. Degree must have been received within the past five years.

Eligibility Requirements

- **Degree:** Doctoral Degree received within the last 60 months or anticipated to be received by 7/1/2023 11:59:00 PM.
- **Discipline(s):**
 - **Life Health and Medical Sciences** (6 👁)
- **Veteran Status:** Veterans Preference, degree received within the last 120 month(s).