

Opportunity Title: USDA-ARS Fellowship in Honey Bee Diseases

Opportunity Reference Code: USDA-ARS-NE-2024-0022

Organization U.S. Department of Agriculture (USDA)

Reference Code USDA-ARS-NE-2024-0022

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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
- A copy of an abstract or reprint of an article

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

Application Deadline 2/2/2024 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), Beltsville Agricultural Research Center, Bee Research Laboratory (BRL) located in Beltsville, Maryland.

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.

The Bee Research Lab conducts research to improve the health of honey bee colonies and help the beekeeping industry maintain an adequate healthy supply of bees for the pollination of crops.

Research Project: The selected participant will collaborate with BRL scientists on the project titled "A multidimensional approach to the environment–the honeybee–parasite interactions in Honeybees, *Apis mellifera*," but participation in other BRL projects is possible. The specific objective of the project is to help develop novel detection tools and treatments for parasites and pathogens that attack honey bees.



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Learning Objectives: Under the guidance of a mentor, the participant will learn methods of molecular biology, including 'omic' technologies, fieldwork (making observations, collecting bee samples), laboratory bioassays, and bioinformatics. The participant will gain exposure to useful laboratory and field techniques, as well as collaborate with diverse scientists that together will aid their professional development.

Mentor(s): The mentor for this opportunity is Yan Ping (Judy) Chen (judy.chen@usda.gov). If you have questions about the nature of the research, please contact the mentor(s).

Anticipated Appointment Start Date: **March 1, 2024.** Start date is flexible and will depend on a variety of factors.

Appointment Length: The appointment will initially be for two years, 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.Northeast@orau.org and include the reference code for this opportunity.

Qualifications The qualified candidate should have received a doctorate degree in one of the relevant fields. Degree must have been received within the past eight years.

- Eligibility Requirements**
- **Degree:** Doctoral Degree received within the last 96 month(s).
 - **Discipline(s):**
 - **Life Health and Medical Sciences** ([Z](#) [👁](#))
 - **Veteran Status:** Veterans Preference, degree received within the last 120 month(s).

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