

Opportunity Title: USDA-ARS Insect Ecology and Agricultural Pest Management Fellowship

Opportunity Reference Code: USDA-ARS-2021-0019



Organization U.S. Department of Agriculture (USDA)

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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. All transcripts must be in English or include an official English translation. 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 12/4/2020 3:00:00 PM Eastern Time Zone

Description *Applications are reviewed on a rolling-basis and this posting could 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), Tropical Crop and Commodity Protection Research Unit located in Hilo, Hawaii.

Research Project: In keeping with the mission and goals of the Tropical Crop and Commodity Protection Research Unit, the participant will participate in the design, implementation, and analysis of data pertaining to understanding the factors contributing to, or limiting, effective pest management of invasive tephritid fruit flies in the Pacific Basin, and developing solutions to address limitations where they exist. This includes identifying whether differences in geographical and climatic factors, or landscape phenology and community structure, affect tephritid establishment and persistence. Under the guidance of a mentor, specific activities will include experimental design and implementation of research projects in the lab and field, data analysis using statistical software such as R, and preparation of scientific manuscripts relevant to the research conducted during the term of the appointment.

Learning Objectives: The participant will have opportunities to develop advanced research design and data analysis skills, collaborate with researchers at various institutions, attend meetings with growers, present at professional society meetings, and publish in leading peer-reviewed journals. These opportunities will allow the participant to develop valuable scientific research experience in insect ecology and applied pest management in a wide range of crop and landscape systems.

Mentor(s): The mentor for this opportunity is Dara Stockton (dara.stockton@usda.gov). If you have questions about the nature of the research please contact the mentor(s).

Anticipated Appointment Start Date: May 2021. Start date is flexible and will depend on a variety of factors.

Appointment Length: The appointment(s) 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(s) 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.

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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 USDA-ARS@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.

Preferred skills:

- Research experience in agricultural entomology, insect ecology, invasive biology, or applied pest management
- Experience with laboratory and field-based research
- Experience working with R or similar statistical software
- Documented experience publishing in peer-reviewed journals
- Strong interpersonal skills and the desire to collaborate

Eligibility Requirements

- **Degree:** Doctoral Degree.
- **Discipline(s):**
 - **Life Health and Medical Sciences** (7 )
 - **Mathematics and Statistics** (1 )