

Opportunity Title: USDA-ARS Post-baccalaureate Internship in Molecular Biology and Arthropod Genomics

Opportunity Reference Code: USDA-ARS-PW-2023-0375

Organization U.S. Department of Agriculture (USDA)

Reference Code USDA-ARS-PW-2023-0375

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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 11/10/2023 3:00:00 PM Eastern Time Zone

Description *Applications may be reviewed on a rolling-basis.

ARS Office/Lab and Location: A research opportunity is available with the U.S. Department of Agriculture (USDA), Agricultural Research Service (ARS) within the Tropical Pest Genetics and Molecular Biology Research Unit at the Pacific Basin Agricultural Research Center located in Hilo, Hawaii.

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: This appointment is for a post-bac (Undergraduate degree in-hand) internship in arthropod genomics and molecular biology. The objective of the research project is to generate datasets and genomic resources for high priority species of insects and other arthropods to support agricultural genomics.

Learning Objectives: The participant will gain skills and experience in DNA extraction, library preparation, and next generation sequencing of insect and other samples to support development of reference genomes for pest and beneficial species. The selected applicant will also get access and experience using command line high performance computing, data management, and record keeping.

Mentor: The mentor for this opportunity is Scott Geib (scott.geib@usda.gov). If you have questions about the nature of the research, please contact the



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mentor.

Anticipated Appointment Start Date: October 2023. 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.

Participant Stipend: The participant will receive a monthly stipend commensurate with educational level and experience. **The current stipend for this opportunity is within the range of \$3,800 - \$4,500 per month contingent on skills and experience. A stipend for health insurance and potential relocation will be provided, depending on the needs of the participant.**

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

Qualifications The qualified candidate should have received a bachelor's degree in one of the relevant fields. Degree must have been received within the past five years.

Preferred Skills include:

- Experience in laboratory setting performing molecular biology.
- Some experience with data management and bioinformatics.

- Eligibility Requirements**
- **Degree:** Bachelor's Degree received within the last 60 month(s).
 - **Discipline(s):**
 - **Computer, Information, and Data Sciences** ([3](#) 👁)
 - **Environmental and Marine Sciences** ([2](#) 👁)
 - **Life Health and Medical Sciences** ([12](#) 👁)

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- **Veteran Status:** Veterans Preference, degree received within the last 120 month(s).