



Summer Undergraduate Research Fellowship

The Pacific Islands Climate Adaptation Science Center (PI-CASC) and the University of Hawai‘i Sea Grant College Program (Hawai‘i Sea Grant) co-host a Summer Undergraduate Research Fellowship (SURF) program to provide promising undergraduates the opportunity to gain valuable research experience, improve their skills in actionable climate and ocean sciences, and expand their knowledge of environmental issues in Hawai‘i and across the Pacific region., Selected fellows are matched with a mentor--depending on their location, either a faculty researcher or extension agent at the University of Hawai‘i (UH) at Mānoa, UH Hilo, or the University of Guam (UOG), or a mentor from a federal research center (e.g., USGS, NOAA, EPA) --whose field of expertise and ongoing research complements to the extent possible the expressed interests of the student, and aligns with PI-CASC and/or Hawai‘i Sea Grant objectives.

PI-CASC and Hawai‘i Sea Grant

Part of a network of nine regional centers established by the US Department of the Interior, PI-CASC is a partnership between the US Geological Survey and a regionally-based university consortium led by UH Mānoa, with UH Hilo and UOG as members. Research project topics that PI-CASC has funded stretch from the mountains to the sea, from forests to fishponds, from rainfall to streamflow, from shorelines to sea levels. In addition to research, PI-CASC supports building capacity for the future, creating opportunities for students from all ethnic and academic backgrounds to gain important tools for conducting science and knowledge co-production for future research, management, and/or policymaking.

Hawai‘i Sea Grant conducts an innovative program of research, outreach, and education services toward the improved understanding and stewardship of coastal and marine resources of the state, region, and nation, serving those who live, work, and recreate in coastal communities in Hawai‘i and the Pacific Region. Hawai‘i Sea Grant is one of 34 Sea Grant College Programs nationwide with core funding provided by the National Oceanic and Atmospheric Administration that, as a network, promote unbiased, evidenced-based understanding, conservation, and sustainable use of marine and coastal resources. Funded activities focus in four areas: healthy coastal ecosystems, sustainable fisheries and aquaculture, resilient communities and economies, and environmental literacy and workforce development.

Both programs endorses a diverse workforce in Hawai‘i and the Pacific and embrace individuals of all ages, races, ethnicities, national origins, gender identities, sexual orientations, disabilities, cultures, religions, citizenship types, marital statuses, job classifications, veteran status types, and income and socioeconomic status types and intersectionalities.

Student Eligibility for SURF

This fellowship is open to any undergraduate currently enrolled at any of the UH system campuses or UOG, or currently enrolled at another accredited four-year institution but attended a high school in Hawai'i or Guam. All are encouraged to apply.

Program Details and Expectations for Mentors

- For 2024, the SURF Program will run from June 3 to August 9 (10 weeks).
- Mentors should identify and describe a project (or a defined portion of a larger endeavor) in their science area appropriate for an undergraduate to tackle within 10 weeks.
- Mentors should plan to incorporate the fellow into their lab/work area and commit to supporting the fellow's work and participation for the entire program duration.
- Mentors should arrange for regular interactions with the fellow for problem solving and project supervision, and oversee/approve the final project oral presentation.
- **Mentors should attend the orientation (June 3) and the final symposium (August 8).**
- Mentors and students will be paired based on shared research interests in climate science. Student applicants are asked to identify two areas of interest from a supplied list of topics relevant to PI-CASC and Hawai'i Sea Grant funded PIs. Mentors will be able to review a recommended pairing before the student is informed. Alternatively, student/mentor pairs can apply in parallel (*see Application Process, below*).
- A stipend will be provided to the fellow in support of 10 weeks of summer research training. Unfortunately, we do not have extra funds to cover additional research-related costs.

Application Process for Mentors

Faculty researchers interested in mentoring a SURF student should write a short description (~300 words) detailing an available project, *its specific connections to PI-CASC and Hawai'i Sea Grant funding priorities*, and the components of the project that the student will be working on. *Submit to Dr. Rachel Lentz at rlentz@hawaii.edu by 5 pm February 29, 2024.*

If a potential mentor already has an understanding with a possible fellow for summer work, please indicate in both the mentor and student applications that the pairing is pre-arranged, and we will work to accommodate you, if the project and student pass the application process.

Virtual Information Session

SURF organizers will host a virtual information session at 2 pm on January 26, 2024 to reiterate details of the program and answer questions from prospective students and mentors. [Register](#) for the event to receive zoom connection information.

Contacts & Notification

For any questions about the SURF program, please contact Dr. Rachel Lentz at rlentz@hawaii.edu. Notification of acceptance and student/mentor pairing will be emailed by about April 15, 2024.