

Zooplankton Ecology or Physiology

Multiple Graduate student (MS or PhD) positions

Northern Gulf of Alaska Long Term Ecological Research (NGA LTER) <https://nga.lternet.edu/>



The Northern Gulf of Alaska is a subpolar biome characterized by enhanced production and high environmental variability. This project is part of the new NGA LTER site and focuses on understanding the processes that lead to resiliency over the shelf and slope regions of the NGA. This is a field intensive project with 3 cruises annually from spring to fall.

Multiple opportunities exist for self-starting graduate students interested in understanding zooplankton communities, their ecology and resiliency within the multidisciplinary context of the NGA-LTER program. Project foci are open for discussion. Possibilities range from exploring community-level patterns in this ongoing 20-year time-series, to focusing on specific taxa, or working with live animals to study vital or physiological rates and processes. Projects will include both laboratory and field components on the UAF-operated R/V Sikuliaq, as well as smaller regional vessels. Physiological work (i.e. respiration, growth, lipid accumulation, diapause) is conducted in collaboration with researchers at the University of Hawai'i at Mānoa using transcriptomic as well as traditional approaches.

Applicants must have a strong background in marine biology and/or oceanography, and strong written and oral communication skills. Experience participating in field research and/or working in laboratory is desirable. Underrepresented students are encouraged to apply.

Funding is available for 3 (M.S.) or 5 (Ph.D.) years that includes full stipend, health insurance and tuition waiver. Initial acceptance is typically at the Master's level with possibilities to later expand into a Ph.D., or directly into a Ph.D. for those with an M.S. The student will be required to present work at international conferences, and to produce publishable manuscripts.

Advisor: Russ Hopcroft. For additional information email (rrhopcroft@alaska.edu)

Deadline: Applications for graduate admission to UAF with all supporting documentation, transcripts and test scores must be received by UAF no later than June 1, 2019 for fall 2019 admission. A late spring or early summer 2019 start date is preferable. Contact Dr. Hopcroft before April 15, 2019. Application information can be found at <http://www.uaf.edu/cfos/academics/graduate/oceanography/>



The UAF College of Fisheries and Ocean Sciences is located in Fairbanks Alaska. UAF is America's Arctic University and a Land, Sea, and Space Grant Institution. The University of Alaska is an AA/EEO employer and educational institution and prohibits illegal discrimination against any individual: www.alaska.edu/nondiscrimination.