

# INSTITUTE OF MARINE SCIENCE

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The Institute of Marine Science conducts marine science studies in the world's oceans, with special emphasis on Arctic and Pacific sub-Arctic waters.

Research efforts cover a wide range of disciplines in oceanography, marine biology and fisheries. Some projects are components of large national and international cooperative programs that are worldwide in extent. Institute of Marine Science researchers also participate in the broad marine science community through service on a variety of national and international committees and organizations.

The faculty offer degree programs at the undergraduate and graduate levels through the College of Fisheries and Ocean Sciences.

Research facilities include laboratories on the Troth Yeddha' campus in Fairbanks; fisheries laboratories at Lena Point in Juneau; the Kasitsna Bay Laboratory (<https://www.uaf.edu/cfos/about-us/locations/kasitsna-bay/>), a marine biology field station on Kachemak Bay; the Seward Marine Center (<https://www.uaf.edu/cfos/about-us/locations/seward/>), a major coastal facility in Seward; and the 261-foot global class, ice-strengthened Research Vessel *Sikuliaq*, which has its home port in Seward. The Seward Marine Center supports a high-quality seawater system and excellent biological and chemical laboratories as well as facilities for constructing and maintaining seagoing equipment such as moorings. The Alaska SeaLife Center, a private, state-of-the-art mammal and bird research and exhibition facility adjacent to the Seward Marine Center, also offers outstanding research facilities and hosts Institute of Marine Science faculty.

Institute of Marine Science formal collaborative research programs include Long-term Ecological Research Programs in the Northern Gulf of Alaska (NGA LTER) and in the Beaufort Sea lagoon ecosystems (BLE LTER); Gulf Watch Alaska; the international MOSAiC expedition in the Arctic Ocean; Center for Salmon and Society; Ocean Acidification Research Center; and affiliations with the EPSCoR Fire and Ice program and the Alaska Blue Economy Center. Examples of topics addressed by individual research labs are the development of underwater glider capabilities and other instruments; cycling of trace metals in the ocean; effects of climate change on marine food webs; marine mammal ecology; fisheries genetics; commercial fisheries management; and seaweed mariculture.

For more information, visit the Institute of Marine Science website (<https://www.uaf.edu/cfos/research/institute-of-marine-scien/>) or call 907-474-7210.