

Department of
OCEANOGRAPHY

*Engaging academic programs
World-class research
International collaborations*

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We are looking for SUMMER STUDENTS enrolled in biology, chemistry, geology, math/stats or physics interested in applying for NSERC USRAs. Great opportunities for summer employment, Honours projects and publications. Contact individual faculty members (and check out their websites) for more information.

Fennel, Katja: Using computer models that couple ocean currents with chemical and biological processes, we simulate the dynamics of marine plankton and environmental variables like nutrient availability, oxygen levels and ocean pH. *E-mail:* katja.fennel@dal.ca

Hay, Alex: We study nearshore and continental margin processes related to waves, flow and seabed adjustments, using innovative acoustic sensing techniques and real-time measurements in a submarine canyon with the NEPTUNE Canada cabled observatory. *E-mail:* alex.hay@dal.ca

Hill, Paul: The functioning of intertidal ecosystems in the Bay of Fundy and the sustainable development of tidal energy are both linked to the movement of sediment. We conduct laboratory and field studies on the factors that affect sediments on intertidal flats. *E-mail:* paul.hill@dal.ca

Kienast, Markus: We use sediments to reconstruct past ocean and climate change. *E-mail:* markus.kienast@dal.ca

Lewis, Marlon: The distribution of phytoplankton in the world's oceans appears to be changing as a result of large scale changes in climate. We attempt to analyze these changes, and attribute them to changes in ocean physical or biological processes. *E-mail:* marlon.lewis@dal.ca

Metaxas, Anna: We study the ecology of marine benthic invertebrates in subtidal and deep-sea ecosystems, including invasive species and deep-water corals. We conduct laboratory experiments and field work from small boats and with SCUBA. *E-mail:* metaxas@dal.ca

Ross, Tetjana: We use acoustics to observe the ocean and explore small-scale biophysical interactions. Specific projects include studying vertical migratory patterns of zooplankton in Saanich Inlet, B.C. or exploring sound scattering from ice, fish or plankton. *E-mail:* tetjana@dal.ca

Taggart, Christopher: We have a data-analytic project on the temporal and spatial evolution of the biomass spectrum (200 - 1000 μm) in the Northumberland Strait. *E-mail:* chris.taggart@dal.ca

Thomas, Helmuth: We study ocean carbon cycle in the Canadian Arctic and the Scotian Shelf. Projects comprise cruise participation, measurements of samples for CO₂ system properties (on the ship and/or in the lab at Dalhousie) and data evaluation. *E-mail:* helmuth.thomas@dal.ca