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Department of Marine Sciences
Presents a Seminar by

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Shedding light on the phytoplankton response to upwelling dynamics under varying iron conditions

Upwelling zones are hotspots of productivity that are very dynamic in space and time. Phytoplankton in these regions must constantly adapt to changes in their chemical and physical environments, including variations in iron concentrations. When upwelled waters move offshore, cells sink out of the illuminated zone, establishing seed populations that remain inactive until the next upwelling event. This process is termed the upwelling conveyor belt cycle (UCBC). In this talk I will present new knowledge of how phytoplankton are affected by UCBC conditions at an integrated molecular, physiological and biochemical level, which can contribute to the proper conservation and management of these critically important ecosystems in both current and future oceans.

Host: Julie Granger

Time & Date: 11:00 am, Friday, February 18, 2022

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