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Department of Marine Sciences
Presents a Seminar by

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The Prevalence of Co-Limitation of Marine Microbial Ecosystems as a Detected by Stress Responsive Proteins

Primary productivity in marine ecosystems is often controlled by bottom up nutrient limitation processes. Increasingly the potential for multiple nutrients, as well as "unusual" nutrients such as vitamins and trace metals beyond iron (cobalt, zinc and vitamin B12) have been explored for their potential influence on productivity. In this seminar, I will discuss a variety of observations regarding nutrient limitation and co-limitation including environments from the North Atlantic and the Amundsen Sea, as well as the development and application of metaproteomic methods that can efficiently detect nutrient stressors and biogeochemically relevant enzymes. The unique niches and ecological strategies of different phytoplankton communities will be described in response to local biogeochemical conditions.

Host: Rob Mason

Time & Date: 11:00 am, Friday, April 26, 2019

Place: Marine Sciences Building, Seminar Room 103

If you are an individual with a disability and need accommodations, please contact 860-405-9152, 860-405-9087, or marinesciencesseminars@uconn.edu.