

UConn

UNIVERSITY OF CONNECTICUT

Department of Marine Sciences
Presents a Seminar By

Dr. Baylor Fox-Kemper
Brown University

The role of the ocean surface--and its dynamics--in climate

The oceans are the major reservoir of heat and carbon on short timescales, and the circulation of the oceans results from the wind and buoyancy changes that flow through the surface. All of this action for the climate system must pass through the ocean surface layer and its dynamics, which are interesting in their own right. I will discuss some of the most important processes in the surface layer, relate new results involving the roles of surface waves and submesoscale fronts and instabilities, and quantify the significance of these phenomena in the functioning and sensitivity of the climate system.

Host: Melanie Fewings

Time & Date: 11:00 am, Friday, February 6, 2015

Place: Marine Sciences Building, Seminar Room 103

Please see this [page](#) for cancelations and additional seminar information, email marinesciences@uconn.edu, or call 860-405-9152 or 860-405-9151