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Department of Marine Sciences
Presents a Seminar by

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How can mechanistic physiology help us predict and prepare for environmental change?

Global climate change is increasingly defined by its environmental influences, including fluctuations in oceanic temperature and salinity. How marine organisms react to this variability depends on the number and type of physiological tolerance mechanisms they have in place, characteristics largely determined by the evolutionary history of the species. In this talk, we will explore how physiology can be used to predict the effects of future environmental change on various taxa and how these findings can assist coastal and resource managers make effective regulatory decisions. Findings will be discussed from two previous studies focused on coastal sharks in the Northwest Atlantic and estuarine shrimp in the northern Gulf of Mexico. Additionally, we will examine how “secondary” effects of climate change are driving development and expansion within the aquaculture industry – specifically, a study focused on enhancing the inclusion of plant-based feed alternatives into the diets of farmed fish.

Host: Hannes Baumann

Time & Date: 11:00 am, Friday, September 28, 2018

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.

For cancelations and additional seminar information, please see <https://marinesciences.uconn.edu/seminar/seminar1188/>.