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Department of Marine Sciences
Presents a Seminar by

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Climate change and locomotion: Insights into energetics and biomechanics of fishes

A major goal in conservation biology is to understand the effects of short and long term environmental change on organisms. Fishes are the most valuable marine resource, however very little is known about the combined effect of climate-related stressors, body size, and local adaptation on their resilience. My research investigates the effect of ocean acidification, warming, and hypoxia on fish aerobic performance. During my talk I will discuss recent work on the little skate (*Leucoraja erinacea*). I present results from a series of studies aimed at quantifying: 1) the physiological responses of embryonic and juvenile little skates from different locations and developmentally acclimatized to current and projected temperatures and ocean acidification conditions, 2) the effect of ocean acidification and warming on skeletal mineralization, and 3) the swimming energetics of a batoid fish and the capacity for prolonged migrations.

Host: Hannes Baumann

Time & Date: 11:00 am, Friday, May 10, 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.