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Department of Marine Sciences
Presents a Seminar by

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UConn Marine Sciences & Mystic Aquarium

Interactions of Higher Trophic Level Predators and Implications for Conservation of Fish Communities: Stories from Highly Protected Marine Reserves

The role of top-down control of marine communities, generally un-impacted by human activities (e.g., fishing, land-use practices), has been identified in diverse marine and freshwater communities. However, quantifying the role and complexity of species interactions, especially amongst piscivores, has been difficult to address at the scale that predation occurs and at the scale that management programs operate (i.e., using population and multi-species models). Further, the interaction of predators is commonly observed in mixed species groups that influence rates of predation through direct and indirect effects, adding additional complexity to the suite of species interactions that should be accounted for in multi-species models. Here I will regale the audience with stories of recent research at multiple marine reserves (Eastern Tropical Pacific, Southeast US) quantifying the patterns and complexity of mixed-species interactions of piscivores, set the observations in the context of ecological paradigms (e.g., non-consumptive effects, landscape of fear, multiple predator effects), and discuss the direction of future research that can aid ecosystem approaches to management for conservation and sustainable use of natural resources ... all in 50 minutes.

Host: Frank Bohlen

Time & Date: 11:00 am, Friday, October 18, 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.

For cancelations and additional seminar information, please see <https://marinesciences.uconn.edu/seminar/seminar1198/>.