

# UConn

## UNIVERSITY OF CONNECTICUT

Department of Marine Sciences  
Presents a Seminar By

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### **A trait based approach to zooplankton ecology**

The trait-based approach builds on the identification of key traits and quantification of the associated tradeoffs. Here, I try to quantify tradeoffs for key, taxa-transcending traits in marine zooplankton. Through an understanding of the mechanisms and fluid dynamics of feeding I make prediction of the efficiency and predations risk of the three different feeding modes of zooplankton, on implications of feeding mode for mate finding, and on how the different feeding modes lead to differences in energy allocation and senescence. I will show experimental tests of these predictions and the lecture is illustrated with many videos. I will finally show examples of how the mechanistic understanding of key traits and associated tradeoffs is utilized in the construction of trait-based models of plankton systems.

**Host:** Hans Dam

**Time & Date:** 11:00 am, Friday, October 9, 2015

**Place:** Marine Sciences Building, Seminar Room 103

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