DEPARTMENT OF ECOLOGY & EVOLUTIONARY BIOLOGY
Fall 2014 Seminar Series

Virus-Bacteria Interactions
and
Ocean Biogeochemistry

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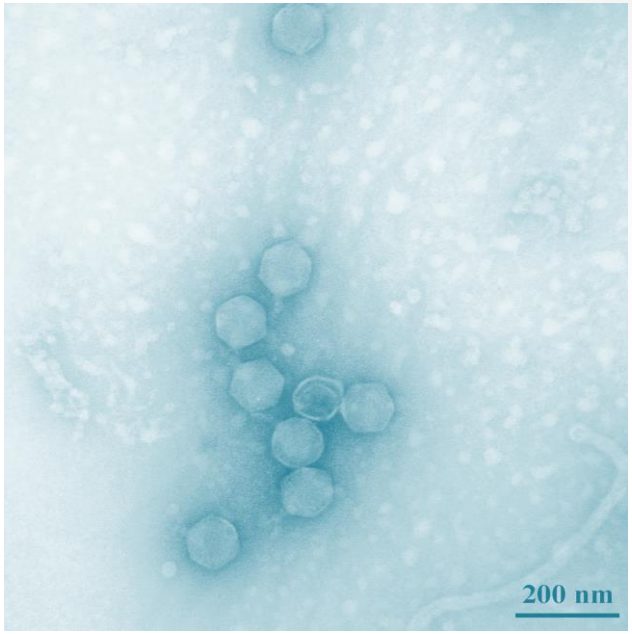
http://web.utk.edu/~abuchan/Home.html



It is estimated that ~25% of the marine microbial community is infected by viruses at any given time. This contributes to as much as 3 Gt of carbon that are released in the world's oceans each year as a result of virus-mediated lysis. The released dissolved organic matter (DOM) is a major contributor to marine microbial activity, stimulating both primary and secondary productivity. To better define the role of viruses as global drivers of nutrient flow, we need an improved understanding of the impact of infection on host metabolic processes. In this talk, I will discuss a recent study in which metabolomics techniques were used to gain insight into the interaction between active virus infection and small metabolites within the DOM pool.

Friday, Sept 5, 2014; Room 307, SERF; 3:30 - 4:30PM. Pre-talk reception: 3:00 PM in Dabney 568