

This symposium, presented by the Center for Microbial Oceanography: Research and Education (C-MORE) in partnership with the Agouron Institute and the Gordon and Betty Moore Foundation, is open to the public



Organic Matter Cycling in the Sea

linking genomes to biomes

c•more

Moderated by **Dave Karl**

SYMPOSIUM 1: Saturday, June 02, 2012

Coffee: 8:30 am; Program begins at 9 am • C-MORE Hale Moore Conference Center, 1950 East West Rd, UH Mānoa

As the late John Hedges concluded many years ago in one of his many classic publications, "Dissolved Organics Matter." Most of the organic matter in seawater is present in submicron-sized particles and colloids, or in a freely dissolved state. By comparison, living biomass is generally much less than 1% of the total organic matter. In addition to containing carbon, hydrogen and oxygen, organic matter can also include nitrogen, phosphorus, sulfur and the essential trace elements of life. The marine organic carbon cycle begins with the reduction of carbon dioxide to organic matter via photosynthesis. Once incorporated into living cells, the organic matter has multiple fates including, but not

limited to, consumption/remineralization by bacteria, grazing and passage to higher trophic levels, viral lysis, death/autolysis, and export to the abyss, to name a few. Detailed study of organic matter cycling in the sea is one of the most important contemporary research foci in microbial oceanography. We have invited four leading authorities to present their views on this important topic. Please join us for this thrilling symposium.

Invited Speakers

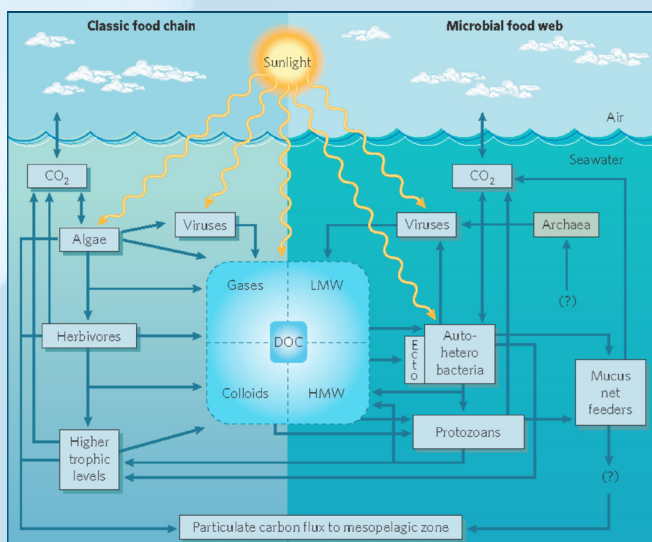
Dan Repeta • 9-10 am
Woods Hole Oceanographic Institution

Deborah Bronk • 10-11am
Virginia Institute of Marine Sciences

Coffee Break • 11-11:30 am

Angelicque White • 11:30 am-12:30 pm
Oregon State University

Pep Gasol • 12:30-1:30 pm
Institut de Ciències del Mar, Barcelona



Visit cmore.soest.hawaii.edu/summercourse/2012/ for details.

Coffee service begins at 8:30 am, with the first presentation starting at 9 am. A luncheon reception will follow the symposium beginning at 1:30 pm and everyone is welcome to attend. **Please RSVP to Sharon Sakamoto** (sharons@soest.hawaii.edu) by Thursday, May 31.

