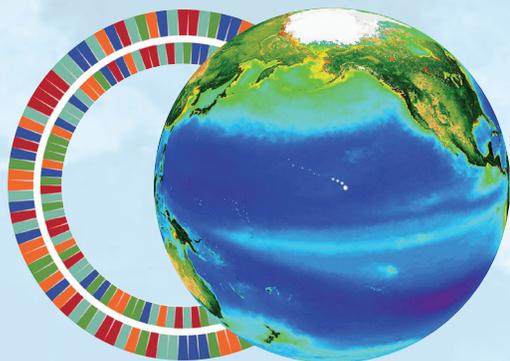


This symposium, presented by the Center for Microbial Oceanography: Research and Education (CMORE) in partnership with the Agouron Institute and the Gordon and Betty Moore Foundation, is open to the public



Observations and Predictions

in a Changing Ocean

Moderated by **Dave Karl**

SYMPOSIUM 1: Saturday, June 05, 2010

Coffee: 8:30 am; Program begins at 8:45 am • William Richardson School of Law, Classroom #2, UH Mānoa

The accretion and subduction of oceanic plates, the rise and fall of sea level, and the origin, evolution and extinction of marine life all share the common element of time, albeit on very different scales. Time is so fundamental to our understanding of Earth's processes that we sometimes take it for granted, or worse ignore it, in the development of our conceptual models of marine ecosystems. Superimposed on natural processes are human-induced impacts that are currently leading to rapid environmental changes and new ecosystem states.

This symposium will present some contemporary views on how we study various aspects of the changing ocean including new observational approaches, new models, and new understanding. Our special guests are all leading authorities and excellent speakers, and they all have something very interesting to say. It should be a thrilling event, and you are all cordially invited to attend.

linking genomes to biomes

Invited Speakers

Ken Johnson Monterey Bay Aquarium Research Institute

How do we observe biogeochemical cycles at the global scale in a changing world?

Jon Zehr University of California at Santa Cruz

Detecting global change: temporal and spatial dynamics of N cycling microbes.

Mick Follows Massachusetts Institute of Technology

Modeling marine microbes: past, present, and prospects.

Mary Jane Perry University of Maine, Darling Marine Center

Ocean carbon credits — is it possible to document biological carbon removal?

Ken Denman University of Victoria

Ocean acidification, marine ecosystems, and geoengineering our climate.

Visit cmore.soest.hawaii.edu/agouron/2010/syllabus.htm for details

Coffee service begins at 8:30 am; presentations begin at 8:45 am. Lunch will be provided.

Please RSVP to **Sharon Sakamoto** (sharons@soest.hawaii.edu) by Wednesday, June 02.