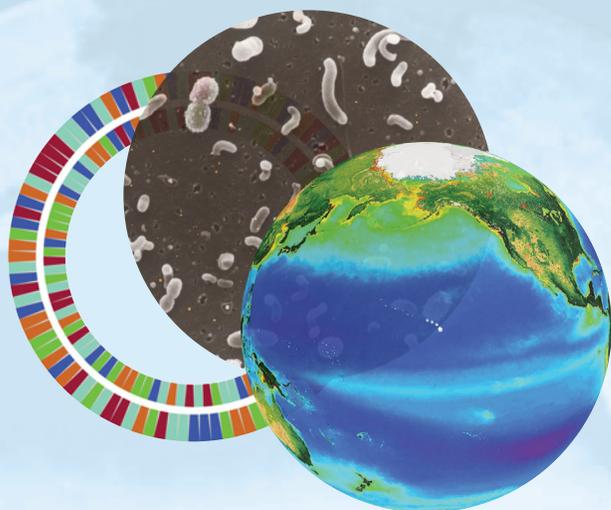


C • M O R E S U M M E R S Y M P O S I A S E R I E S

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



The Microbial Ocean Viewed Through the Lens of Genes and Genomes

Moderated by **Grieg Steward**

SYMPOSIUM 2: Friday, June 10, 2011

Coffee: 8:30 am; Program begins at 8:45 am • C-MORE Hale, Conference Center, 1950 East West Rd, UH Mānoa

Microbes are the miniature engines that drive the great biogeochemical cycles of the sea. While some of the signatures of microbial activity can be readily seen in ocean's chemistry, discerning exactly which organisms are involved in which elemental transformations and the molecular bases of those transformations remains a challenge. Genomics, which refers to the analysis of the genome or "instruction manual" of cells, has revolutionized our ability to describe the diversity of marine microbes, evaluate their physiological potential, and make sense of their ecology.

In this symposium, three world-renowned experts will present their research on genomic analyses of marine microorganisms. Join us as they describe how reading the instruction manuals of marine microbes is changing our understanding about marine microbial ecology and evolution, and the consequences for ocean biogeochemistry.

Linking genomes to biomes

Invited Speakers **Mary Ann Moran** University of Georgia
Genomic Insights into Sulfur Cycling in the Surface Ocean

Eric Allen Scripps Institution of Oceanography
The Fats of Life: Secondary Lipid Biosynthesis Potential in Diverse Microbial Lineages

Alex Worden Monterey Bay Aquarium Research Institute
Genomics of Marine Picoeukaryote Populations

Visit cmore.soest.hawaii.edu/summercourse/2011/ for details.

Coffee service begins at 8:30 am, with the first presentation starting at 8:45 am. Lunch will be provided; a reception will follow the symposium. **Please RSVP to Sharon Sakamoto** (sharons@soest.hawaii.edu) by Wednesday, June 08.

