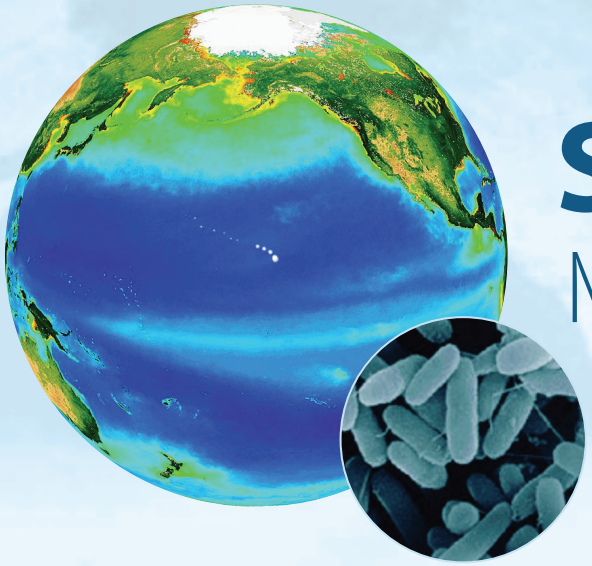
C•MORE-AGOURON SUMMER SYMPOSIA SERIES

This symposium presented by the Center for Microbial Oceanography: Research and Education (CMORE) and the Agouron Institute is open to the public



linking genomes to biomes

Sea Change

New perspectives on microbially-driven elemental cycles

Moderated by Matthew Church

Symposium 1: Saturday, June 13, 2009

8:30 am to 4 pm • William Richardson School of Law, Classroom 3, UH Mānoa

Over the past ~3.5 billion years, microorganisms have shaped and defined Earth's biosphere. In the modern ocean, microbes perform numerous ecosystem services, including production and consumption of climate-sensitive biogenic gases (O_2, CO_2, CH_4, N_2O, etc.), driving the cycling of nutrient elements, and controlling the partitioning of bioelements among living and non-living pools. However, the spatial and temporal complexity of the seascape presents significant challenges to our ability to predict how future changes to the oceanic habitat may influence the distributions and metabolic activities of these crucial ecosystem regulators. This symposium will explore our current understanding of spatial and temporal variability in the ocean as a microbial habitat, highlighting new technologies and approaches being employed to aid our predictive understanding of factors controlling microbial life in the sea.

Invited Speakers: **Debbie Bronk** • Virginia Institute of Marine Science

Craig Carlson • UC Santa Barbara

Edward DeLong • Massachusetts Institute of Technology

Ken Johnson • Monterey Bay Aquarium Research Institute

Dan Repeta • Woods Hole Oceanographic Institution

Visit cmore.soest.hawaii.edu/agouron/2009/syllabus.htm for details

Coffee service begins at 8:30 am; presentations begin at 9. Lunch will be provided with a reception to follow. Please RSVP to **Sharon Sakamoto** (sharons@soest.hawaii.edu) by Thursday, June 11.

Marinobacter aquaeolei image courtesy JGI.

C•more center for microbial oceanography: research and education

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