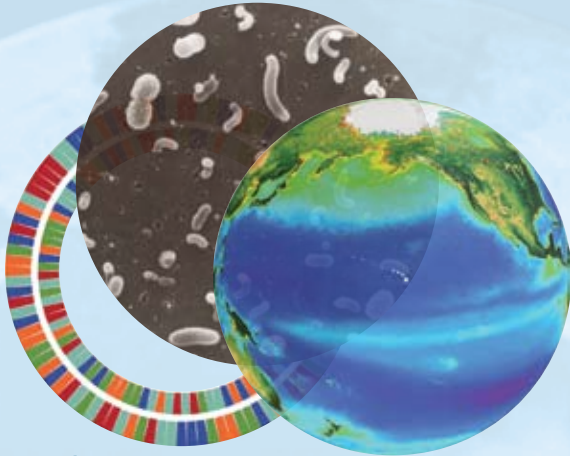


This symposium, presented by the Center for Microbial Oceanography: Research and Education (CMORE) in partnership with the Agouron Institute and the Gordon and Betty Moore Foundation, is open to the public



The Cellular Sea

Exploring the microscale underpinnings of global biogeochemistry

Moderated by Grieg Steward

Linking genomes to biomes

Symposium 2: Saturday, June 12, 2010

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

Life in the sea is dominated by organisms that consist of single cells: bacteria, archaea, and protists. Because of their extraordinary abundance, these microscopic life forms drive biogeochemical cycles on a global scale. And yet, because of their small size, their lifestyles and activities are dictated by patterns and processes on the microscale. How do we begin to understand the ecology of this hidden microbial world that has a major influence on health and habitability of our planet?

In this symposium, five world-renowned experts present their research and share their perspectives on microbial life in the sea. You are cordially invited to attend to learn about new techniques for studying microorganisms one cell at a time, and to hear about the latest insights into how microscale physical and chemical heterogeneity in the ocean affect microbial genomics, physiology, and behavior, with global consequences. You will have opportunities to interact with our speakers in discussion sessions following each talk, during coffee and lunch breaks, and at the reception following the symposium.

Invited Speakers **Roman Stocker** Massachusetts Institute of Technology
Cells and gradients in the sea

Ger van den Engh BD Biosciences
A new flow cytometric method for resolving phytoplankton populations

Michael Sieracki Bigelow Laboratory for Ocean Sciences
Interrogating microbes, one cell at a time: Who are you and what are you doing?

Carles Pedrós-Alió Institut de Ciències del Mar
The genomes of marine flavobacteria: a manual to survive in the surface of the ocean

Farooq Azam Scripps Institution of Oceanography
Ocean biogeochemistry: one drop at a time

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

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 09.