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

To the twilight zone *and beyond:*

Life from sea surface to sea floor

Moderated by Grieg Steward

Symposium 2: Saturday, July 11, 2009

8:30 am to 4 pm • Asia Room, Imin Conference Center, East-West Center, UH Mānoa

The deep sea is the largest biome on earth, but it is difficult to access and difficult to simulate in the lab, so its biology remains grossly understudied compared to the ocean's surface waters. As biologists probe deeper into the ocean's interior they are learning fascinating details about how the ecology of the cold, dark depths differs from the sunlit sea surface. Recent molecular data are also revealing that the oceans are teeming from top to bottom with untold numbers of rare organisms whose significance we are just beginning to fathom.

In this symposium, a panel of distinguished speakers will present recent work on current topics in marine biodiversity, physiology and ecology with an emphasis on the deep sea. Join us as these experts shed light on life below the euphotic zone and explore the significance of the ocean's less common life forms.

Invited Speakers: **Deborah K. Steinberg** • Virginia Institute of Marine Science

Craig R. Smith • University of Hawai'i at Mānoa

Douglas Bartlett • Scripps Institution of Oceanography

Mitchell Sogin • Marine Biological Laboratory, Wood Hole

Carlos Pedrós-Alió • Institut de Ciéncies del Mar

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

linking genomes to biomes

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, July 09.

Marinobacter aquaeolei image courtesy JGI.

C•more center for microbial oceanography: research and education

AGOURON INSTITUTE

SCHOOL OF OCEAN AND EARTH SCIENCE AND TECHNOLOGY UNIVERSITY OF HAWAI'I AT MĀNOA

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