

Coral reefs: what's in store for these invaluable ecosystems and what can we do to protect them?



The Center for Ocean Sciences Education Excellence - West invites you, your colleagues and students, family and friends, to learn more about the current condition and possible future of coral reefs around the world.

"Coral Reefs: Trouble in Paradise"

by Dr. Karla Heidelberg,
University of Southern California

Wednesday, February 28, 2007

at the Aquarium of the Pacific

100 Aquarium Way, Long Beach, CA 90802

5:45 -6:45 pm: K-12 educators' session *

7:00-8:00 pm: Public lecture

Dr. Karla Heidelberg received her Ph.D. and then held a post doctoral Fellowship at the University of Maryland. She conducted research on coral feeding and health in many locations around the world and participated in 3 saturation missions in the NOAA Underwater Habitat off Key Largo, FL. Subsequently, as a science advisor to the U.S. Dept. of State's Office of Oceans Affairs, Dr. Heidelberg worked on international Treaties and Agreements to protect coral reef ecosystems, control land-based sources of pollution and prevent the spread of marine invasive species. Following this, at the J. Craig Venter Institute, she coordinated the Sorcerer II Expedition, an around-the-world expedition to evaluate marine microbial biodiversity using metagenomics (a new field that uses molecular techniques to evaluate the genetic complement of entire communities of organisms in order to learn more about biodiversity).

Dr. Heidelberg recently joined the faculty in the Department of Biological Sciences at the University of Southern California. She lives with her husband and their 6-year-old twins on Catalina Island and conducts research at the USC Wrigley Institute for Environmental Studies. Her current research uses metagenomic approaches to study interactions of microbial communities as they relate to environmental change and to interactions with higher organisms. She hopes that new approaches like these will be useful as we try to learn more about the health and function of coral reef ecosystems.

*** Admission is free for pre-registered educators who attend both the educators' session & the lecture.**

To attend only the lecture at 7 pm, call the Aquarium at 562-590-3100, ext. 0, to reserve a seat.

General public admission to the lecture is \$7.00, AoP members and COSEE-West affiliates, \$4.00.

Parking costs \$6.00/car for **all** attendees at this event. No free parking available.

Directions to the Aquarium: http://www.aquariumofpacific.org/VISITOR_INFO/aop_map.htm

Eligible pre-registered participants will be paid a stipend. Additional content information and classroom materials will be provided and refreshments will be served in the educators' session.

K-12 teachers may get documentation for Professional Development hours upon request.

This event counts toward credit for COSEE-West UCLA Extension courses and LAUSD salary point courses.

Teachers & other educators:

Pre-register for the pre-lecture educators' session to receive content materials, stipend &/or course credit. Contact Peggy Hamner at UCLA, **tel:** 310-206-8247, **fax:** 310-206-3987, **e-mail:** cosee.west@gmail.com

Sponsored by COSEE-West and the Aquarium of the Pacific

For more information about COSEE-West programs for K-12 educators and the public, and to register for other events, please visit our web site, <http://www.usc.edu/org/cosee-west>

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