

# Have Advances in Gene Technology Aided Microbial Ecology?



A symposium organized by the  
Microbial Oceanography summer course  
sponsored by the Agouaron Institute



**Saturday, July 15, 2006**

**Pacific Room, East-West Center, University of Hawaii**

<http://hahana.soest.hawaii.edu/agouaroninstitute/course>

## Symposium Speakers:

**Edward DeLong (Massachusetts Institute of Technology)**  
**Zackary Johnson (University of Hawaii)**  
**Jonathan Zehr (University of California at Santa Cruz)**  
**Paul Kemp (State University of New York at Stony Brook)**  
**John Cullen (Dalhousie University)**  
**Ricardo Letelier (Oregon State University)**

The recent surge of studies investigating microbial function and diversity via genetic techniques has provided startling evidence that life in the ocean is extremely complex and varied. However, it can be argued that this information may be contributing more questions than answers, and has drawn resources and intellect away from studies of microbial metabolism and physiology. In this symposium, our speakers will investigate progress in the field of microbial oceanography based on use of molecular biological tools and techniques. Among other topics, our speakers will address the following questions: How have advances in genetics and molecular biology revolutionized our understanding of the diversity of life in the seas? Does this diversity influence biogeochemical processes in the ocean and, if so, how? At what level does diversity matter (i.e., gene versus genome versus cellular)?

## Program:

8:30 am	Coffee
9:00 am	Welcome and introductory remarks (David M. Karl) Presentations by: Edward DeLong, Zackary Johnson, Jonathan Zehr General discussion
12:00 pm	Lunch
1:00 pm	Presentations by: Paul Kemp, John Cullen, Ricardo Letelier
3:30 pm	General discussion
4:00 pm	Reception
6:00 pm	Symposium closes

Please contact Dr. Matthew Church (mjchurch@hawaii.edu) for reservations & information.

***EVERYONE IS WELCOME, BUT SEATING IS LIMITED***