

# STORER LECTURESHIP IN LIFE SCIENCES

## Edward DeLong

**Morton and Claire Goulder Professor**

Departments of Civil Engineering and Biological  
Engineering, Massachusetts Institute of Technology



Professor DeLong is an internationally recognized marine microbiologist for his groundbreaking work on ocean microbiology and ecology. He is renowned for his discovery that bacteria use rhodopsin in converting sunlight to biochemical energy in marine microbial communities, revealing a previously unknown component in the Earth's carbon and energy cycles. He has developed and applied novel methods for phylogenetic identification, functional characterization, and quantitation of (individual) bacterial species in culture-independent ways leading to metagenomic analyses of marine bacterial populations. His laboratory has discovered new taxa, metabolic pathways, and photosynthetic pigments in marine bacteria, materially changing the field of marine microbial ecology. Dr. DeLong is an elected Fellow of the American Academy of Microbiology, the American Academy of Arts and Sciences, the American Association for the Advancement of Science, and the National Academy of Science. Ed DeLong was born in Sonoma California, received a B.S. degree from UC Davis and a Ph.D. from The Scripps Institute of Oceanography. He will receive the 2012 Outstanding Alumni award from the College of Biological Sciences at the College Celebration following his lecture on Thursday, October 4.

### Professor DeLong will present two lectures in this series

#### Public Lecture:

Wednesday October 3, 2012

**“Exploring Earth’s infinite microbial  
biosphere, from genomes to biomes”**

4:10 PM Conference Center,  
Ballroom

#### Scientific Lecture:

Thursday October 4, 2012

**“Microbial community genomics and  
transcriptomics reveal structure,  
function and dynamics in marine  
planktonic assemblages”**

4:10 PM ARC Ballroom B

Sponsored by  
Storer Endowment in Life Sciences  
College of Biological Sciences



To make an appointment with the speaker  
contact Martina Newell-McGloughlin at  
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