



# Ana Christina Ravelo

GRFP Recipient: 1985

*Undergraduate Institution:*  
B.S. 1984, Stanford University

*Graduate Institution:*  
M. A., 1987, Ph.D. 1991;  
Columbia University

*Graduate Field of Study:*  
Ocean Sciences

//

*Current Position:*  
Professor, Ocean Sciences  
Department, University of  
California, Santa Cruz

## RESEARCH INTERESTS //

Ana Christina Ravelo has a broad range of research interests including the fields of stable isotope geochemistry, paleoceanography and paleoclimatology. Ravelo has written articles analyzing changes in sea surface temperatures and the roles of atmospheric carbon dioxide and global circulation in past climate trends.

## THE BROADER IMPACT OF MY WORK ON SOCIETY //

I feel that I impact society by educating the public through teaching undergraduate students at UCSC, training new scientists through graduate mentoring and advising, and accepting invitations to give public talks. My service on panels and committees that promote scientific communication and education also impacts society.

## A PERSONAL ANECDOTE OF A BENEFIT FROM THE GRF PROGRAM //

Perhaps the biggest benefit to me is that the GRF program gave me freedom to pursue my scientific interests with my graduate advisor, Rick Fairbanks. At the time, Dr. Fairbanks was deeply involved in launching a program to recover submerged corals from Barbados to reconstruct sea level. As a GRF recipient, I had the privilege of participating in this effort, while at the same time developing, under his guidance, an alternate research direction that focused on tropical paleoceanography using foraminifera. This was critical to being able to establish an autonomous research program quite easily after I graduated.

## A FOND MEMORY FROM MY EXPERIENCE AS A FELLOW //

My fondest memories are related to the time I spent with my fellow graduate students and my friends at LDEO and in New York City. I also have great memories of being inspired by the world-class scientists that taught classes, advised me, and came through to give seminars. While I don't really collaborate with any of my former classmates at LDEO, I do see them frequently at meetings and on committees that I serve on, and am still close friends with a number of them. I feel so well-connected to the oceanographic community because of my time at LDEO and all the people I met and worked with when I was there.

### AWARDS/ HONORS //

- 2012 American Geophysical Union, Elected Fellow
- 2008 American Geophysical Union, Emiliani Lecturer
- 2005-2008 National Association of Geoscience Teachers Distinguished Lecturer
- 2000 JOI/USSAC Ocean Drilling Program Distinguished Lecturer

### POSITION PROFILE //

- 1985 - 1991 Graduate research assistant, Light stable isotope facility, Lamont-Doherty Geological Observatory, Columbia University
- 1991 - 1992 Visiting research scientist, Program in Atmospheric and Oceanic Sciences (NOAA) of Princeton University and the Geophysical Fluid Dynamics Lab
- 1992 - 2000 Assistant professor, University of California, Santa Cruz
- 1996 - 1997 Visiting scientist, Department of Geology, Hebrew University, Jerusalem, Israel
- 2000 - 2005 Associate professor, University of California, Santa Cruz
- 2005 - Present Professor, University of California, Santa Cruz
- 2006 - 2008 Chair, US Science Advisory Committee (USAC) to the US Science Support Program for the Integrated Ocean Drilling Program.
- 2005 - 2011 Director, Institute of Geophysics and Planetary Physics, UCSC-branch
- 2009 - 2011 Member, team to write the new 10-year science plan for the Integrated Ocean Drilling Program, expected to be a ~\$2.5B international program.
- 2012 - Present Chair, Committee on Academic Personnel, University of California, Santa Cruz

