Dr. Enriqueta Barrera

Director of Geobiology and Environmental Geochemistry Program
National Sciences Foundation

ADDRESS: Geobiology and Environmental Geochemistry Program
Division of Earth Sciences, National Science Foundation
Arlington, VA 22220

EDUCATION:

1987 Ph.D. (Geology) Case Western Reserve University.
1983 M.S. (Geology) Case Western Reserve University.
1980 M.A. (History of Science and Technology) Case Western Reserve University.
1973 B.S. (Geology) University of Washington.

PROFESSIONAL EXPERIENCE:

2000 - Program Director, Directorate for Geosciences, National Science Foundation.
2000 - Adjunct Associate Professor, Dept. of Geological Sciences, Case Western Reserve University.
1996 - 2001 Assistant (1996) Associate (1997) Professor (with Tenure), Dept. of Geology, University of Akron.
1995 Associate Research Scientist, Dept. of Geological Sciences, University of Michigan.
1991 - 1993 Visiting Assistant Professor, Dept. of Geological Sciences, Princeton University.
1990 - 1994 Assistant Research Scientist, Dept. of Geological Sciences, University of Michigan.
1987 - 1989 Post Doctoral Fellow, Dept. of Geological Sciences, Ohio State University.

PROGRAM MANAGEMENT EXPERIENCE:

2000-2004 Director of Geology and Paleontology Program, replaced by Geobiology and Environmental Geochemistry Program.
2001-2004 Geosciences representative to the NSF Nanoscale Science and Engineering Program, the Biogeosciences Program, Integrated Carbon Cycle Program, and Biocomplexity: Coupled Biogeochemical Cycles competition.

TEACHING EXPERIENCE: Taught courses in the following subjects: 1) Stable Isotope Geochemistry; 2) Environmental Isotope Geochemistry; 3) Applications of Environmental Isotopes to Practical Ground Water Studies; 4) The Geologic Records of Global Change; 5) Oceanography; 6) Introduction to Physical Geology; and 7) Historical Geology.

PUBLICATIONS: Authored 30 peer-reviewed publications, 48 abstracts of presentation and national and international meetings, and edited special volume #332 of the Geological Society of America entitled “The Evolution of Cretaceous Climate-Ocean Systems.”