

AN EVENING FOR EDUCATORS

WITH **DR. BÄRBEL HÖNISCH**

“Reconstructing past climate change from chemical signals stored in ocean sediments”

**FRIDAY, MARCH 10, 2017
5:00-7:00 P.M.
FREE FOR EDUCATORS**

Join us for a special evening for educators with Dr. Bärbel Hönisch, Associate Professor in the Department of Earth and Environmental Sciences at the Lamont-Doherty Earth Observatory of Columbia University.

Dr. Hönisch's presentation will provide an introduction to the techniques applied in the field of paleoceanography, with particular focus on past variations in atmospheric carbon dioxide levels, ocean acidification and climate change over the past 60 million years of Earth history.



Originally trained as a biologist at the University of Bremen in Germany, Dr. Hönisch developed an interest in reconstructing past climate change, atmospheric carbon dioxide concentrations and ocean acidification from chemical signals stored in the fossil remains of marine plankton organisms. While working on her doctorate at the Alfred-Wegener Institute for Polar and Marine Research in Bremerhaven, Germany, she was introduced to growing living plankton under controlled conditions in the laboratory, which allows her to determine the relationships between environmental conditions and the plankton's shell chemistry.

The evening will also include an opportunity to learn about the International Ocean Discovery Program (IODP), an international marine research collaboration among two dozen nations dedicated to advancing scientific understanding of Earth. Resource table facilitators will share classroom activities and professional development opportunities for teachers both on the drilling vessel *JOIDES Resolution* and on land.

Agenda

*Please enter through the Rose Center Entrance
(W. 81 St. between Central Park West and Columbus Ave.)*

The event will take place in the
Cullman Hall of the Universe

5:00 - 5:30p.m. Check-in and resource tables

5:30 - 6:30 p.m.

Welcome
Dr. Rosamond Kinzler,
*Senior Director, Science Education,
American Museum of Natural History*

Scientific Presentation: “Reconstructing
past climate change from chemical
signals stored in ocean sediments”
Dr. Bärbel Hönisch
*Lamont-Doherty Earth Observatory
of Columbia University*

6:30 - 7:00 p.m. Reception and Resource Tables

**The event is free for educators but
space is limited, register today!**

bit.ly/March10AMNHEDUCATORS

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