



# WOODS HOLE OCEANOGRAPHIC INSTITUTION

## 2006 Postdoctoral Symposium

October 24, 2006

8:30-9:00

**Introductions**

9:00-10:30 **Session I**

*Luc Rainville*

*Mea Cook*

*Sam Laney*

*Alison Olcott*

*Gwenn Peron-Pinvidic*

*Heather Benway*

**Chair: Uli Riemenschneider**

Water mass formation in the Kuroshio

Methane hydrates and climate change

Phytoplankton as "phytoephemera": ramifications of being both photoautotrophic and short-lived in the ocean

Can GC x GC x MS help unlock kerogen's secrets?

The morphotectonic evolution of the Iberia Newfoundland conjugate rifted Margins

Reconstructing the ocean's secret past: What is the climate connection?

10:30-11:00

**Break**

11:00-12:00 **Session II**

*Phoebe Lam*

*Uli Riemenschneider*

*Jed Goldstone*

*Helena Filipsson*

**Chair: Angie Dickens**

Who needs dust?: Iron supply from the continental margin in the Northwest Pacific

Regional modeling of the Faroe Bank Channel overflow

The chemical defensesome: environmental sensing and response genes

Using  $\delta^{18}\text{O}$  and  $\delta^{13}\text{C}$  for paleoceanographic studies in coastal waters: field and foraminifera culture-based calibration studies

12:00-1:30

**Lunch**

Main Building

1:30-2:45 **Session III**

*Bill Thompson*

*Andrey Shcherbina*

*Brad Rosenheim*

*Nathalie Reyens*

*Weichang Li*

**Chair: Mea Cook**

New evidence of millennial-scale sea-level change during the Last Interglacial

A density battle off the Outer Cape

Establishing realistic chronologies for and from radiocarbon analysis

Behavioral responses of marine invertebrate larvae

Estimation of rapidly time-varying sparse acoustic communication channels

2:45-3:15

**Break**

3:15-4:30 **Session IV**

*Sebastien Bertrand*

*Joanne Muller*

*Sachin Goyal*

*Zhengrong Wang*

*Chip Brier*

**Chair: Phoebe Lam**

Chilean fjord sediments: A high resolution record of paleoclimate variability in southern South America

Past dynamics of the Indonesian through-flow

A dynamic rod model to simulate mechanics of cables and DNA

Experimental determination of Ni partitioning between olivine and siliceous melt: implication for high Ni-olivines in Hawaiian and arc lavas

In Situ Raman Spectroscopy for Quantifying Hydrothermal Fe and Mn Particulates

5:00-7:00

**Reception**

Main Building

## List of Attendees

### *Applied Ocean Physics & Engineering*

Sachin Goyal  
Alfredo Aretxabaleta  
Chip Breier  
Weichang Li

### *Geology & Geophysics*

Candace Major  
Bill Thompson  
Zhengrong Wang  
Heather Benway  
Helena Filipsson  
Joanne Muller  
Mea Cook  
Gwenn Peron-Pinvidic  
Stephanie Desprat

### *Marine Chemistry & Geochemistry*

Burkard Baschek  
Krista Longnecker  
Chad Hammerschmidt  
Jeomshik Hwang  
Angie Dickens  
Phoebe Lam  
Sebastien Bertrand  
Brad Rosenheim  
Mar Nieto-Cid  
Alison Olcott

### *Biology*

Breea Govenar  
Tim Verslycke  
Eric Montie  
Jed Goldstone  
Sam Laney  
Nathalie Reynolds  
Karyn Rogers  
Maria Jönsson

### *Physical Oceanography*

Luc Rainville  
Uli Riemenschneider  
Brian White  
Ted Durland  
Andrey Shcherbina

### *Development*

Alison Kleine  
Wendy Henley  
Audrey Rogerson

### *Academic Programs Office*

Jim Yoder  
Janet Fields

### *Media*

Lonny Lippsett