



WOODS HOLE OCEANOGRAPHIC INSTITUTION

2004 Postdoctoral Symposium

October 26, 2004

NAS Jonsson Conference Center, Woods Hole, MA

9:00-10:30: Session I

Brendan Foley

Peter Madsen

Keir Colbo

Adam Soule

Tetjana Ross

Rubao Ji

Chairs: Burkard Baschek and Jed Goldstone

Deep water archaeology

Echolocation in deep-diving toothed whales

What maintains the upper ocean temperature under the Chile-Peru Stratus?

Ocean crust construction at the East Pacific Rise 9-10 °N

Using high-frequency broadband acoustics to study double diffusive interfaces

Modeling physical-biological interactions on Georges Bank

10:30-11:00: Break

11:00-12:00: Session II

Jed Goldstone

Anna Nikolopoulos

Christos Panagiotopoulos

Uli Riemenschneider

Enno Schefuß

Chair: Emma Teuten

Why is dioxin toxic? The role of reactive oxygen

Current-velocity measurements on the Beaufort Shelf Edge

Novel compounds isolated from high molecular weight DOM

Turbulent mixing in overflows

Changes in African hydrology, vegetation and terrigenous carbon export during the last 20,000 years based on molecular-isotopic analyses

12:00-1:30: Lunch

1:30-3:00: Session III

Andres Sepulveda

Rebeka Merson

Burkard Baschek

Emma Teuten

Christine Hunter

Joanna Wilson

Chair: Tetjana Ross

Numerical ocean circulation forecasting with FVCOM: Tomorrow you have a 30% chance of running aground

Evolution of aryl hydrocarbon receptors: What can sharks tell us?

Counting bubbles? ... why???

Identification of naturally produced, bioaccumulating organic compounds using radiocarbon

From individuals to populations: Demography in marine environments

A proteomics approach to endocrine disruption in fish

3:00-3:15: Break

3:15-4:15: Session IV

Richard Camilli

Dierdre Toole

Art Trembanis

Ann Tarrant

Chair: Andres Sepulveda

New tools for automated exploration and mapping of chemical features in the deep ocean

Dimethylsulfide biogeochemical cycling - was is it and what can it do for the climate?

Of ripples and waves – Measuring and modeling the behavior of rippled scour depressions

Corals and killifish as models for comparative endocrinology

4:30-6:30 Reception

Main Building