2004 Postdoctoral Symposium
October 26, 2004
NAS Jonsson Conference Center, Woods Hole, MA

9:00-10:30: Session I
Chairs: Burkard Baschek and Jed Goldstone
Brendan Foley
Deep water archaeology
Peter Madsen
Echolocation in deep-diving toothed whales
Keir Colbo
What maintains the upper ocean temperature under the Chile-Peru Stratus?
Adam Soule
Ocean crust construction at the East Pacific Rise 9-10 °N
Tetjana Ross
Using high-frequency broadband acoustics to study double diffusive interfaces
Rubao Ji
Modeling physical-biological interactions on Georges Bank

10:30-11:00: Break

11:00-12:00: Session II
Chair: Emma Teuten
Jed Goldstone
Why is dioxin toxic? The role of reactive oxygen
Anna Nikolopoulos
Current-velocity measurements on the Beaufort Shelf Edge
Christos Panagiotopoulos
Novel compounds isolated from high molecular weight DOM
Uli Riemenschneider
Turbulent mixing in overflows
Enno Schefuß
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
Chair: Tetjana Ross
Andres Sepulveda
Numerical ocean circulation forecasting with FVCOM: Tomorrow you have a 30% chance of running aground
Rebeka Merson
Evolution of aryl hydrocarbon receptors: What can sharks tell us?
Burkard Baschek
Counting bubbles? ... why???
Emma Teuten
Identification of naturally produced, bioaccumulating organic compounds using radiocarbon
Christine Hunter
From individuals to populations: Demography in marine environments
Joanna Wilson
A proteomics approach to endocrine disruption in fish

3:00-3:15: Break

3:15-4:15: Session IV
Chair: Andres Sepulveda
Richard Camilli
New tools for automated exploration and mapping of chemical features in the deep ocean
Dierdre Toole
Dimethylsulfide biogeochemical cycling - was it and what can it do for the climate?
Art Trembanis
Of ripples and waves – Measuring and modeling the behavior of rippled scour depressions
Ann Tarrant
Corals and killifish as models for comparative endocrinology

4:30-6:30 Reception
Main Building