

***SEMESTER IN ENVIRONMENTAL SCIENCE***  
***STUDENT INDEPENDENT RESEARCH SYMPOSIUM***  
**Marine Biological Laboratory, Woods Hole, MA 02543**  
**DECEMBER 15, 2006 \_ LILLIE AUDITORIUM**

<b>TIME</b>	<b>SPEAKER</b>	<b>PROJECT TITLE</b>
08:30-08:45	<b>Cora Johnston</b> (Hampshire College)	The Implications of Land Use Change on Availability of Food Resources for Migratory Birds
08:45-09:00	<b>Brook Brouwer</b> (Colorado College)	Impacts of Land Use History and Chronic Nitrogen Addition in Agricultural and Forest Soils
09:00-09:15	<b>Bianca Kissel</b> (Connecticut College)	The Effect of Soil Warming on Ectomycorrhizal Fungal Abundance and on Nitrogen Storage in Fungi
09:15-9:30	<b>Laura van der Pol</b> (Wellesley College)	Effect of Dominant Grass Species on Nitrogen Cycling in Salt Marsh Sediments
09:30-09:45	<b>Stephanie Oleksyk</b> (Clark University)	The Rate of Sedimentation in the Great Sippewisset Salt Marsh, Falmouth MA
09:45-10:00	<b>Angela Burnett-Penn</b> (Brandeis University)	Effects of Restricting Tidal Flow on Decomposition and Nutrient Cycling in the Great Sippewisset Salt Marsh System, Falmouth MA
10:00-10:30	<b>Coffee Break</b>	
10:30-10:45	<b>Susan Pincus</b> (Mount Holyoke)	Effects of Adding Sewage Sludge and Urea-Phosphate Fertilizers to the Great Sippewisset Salt Marsh, Falmouth, MA on Heavy Metals and Microbial N-Cycling
10:45-11:00	<b>Will Daniels</b> (Lawrence University)	Mussels and Metals in the Sippewisset Marsh, Falmouth MA, and Eel Pond, Woods Hole, MA
11:00-11:15	<b>Greg Henkes</b> (Bates College)	Tracing Sources of Nitrogen for Primary Producers in West Falmouth Harbor by Examining the $^{15}\text{N}$ Values of Macroalgae, <i>Ulva</i> and <i>Gracilaria</i> .
11:15-11:30	<b>Karen Kayfetz</b> (Brown University)	Nutrient Loading and N vs. P Limitation of Phytoplankton in the Quashnet and West Falmouth Harbor Estuaries
11:30-11:45	<b>Amanda Keledjian</b> (Grinnell College)	Abundance, Feeding Habits and Substrate Preferences of the Brittle Star, <i>O. brevispinum</i> in Different Habitats of West Falmouth Harbor in Massachusetts
11:45-12:00	<b>Yukari Kaito</b> (Sarah Lawrence)	The Effect of Temperature and Grazing on Algal Primary Production and Nutrient Uptake
	<b>Break for Luncheon</b>	
13:30-13:45	<b>Angela Vincent</b> (Grinnell College)	The Effects of Seawater Intrusion on Microbial Nitrate and Sulfate Reduction within a NITREX™ Permeable Reactive Barrier Designed to Mitigate Ground-water N-Pollution in Waquoit Bay, MA
13:45-14:00	<b>Kaitlyn Lucey</b> (Wellesley College)	Methane Production and Microbial Methanogen Abundance Based on Real-Time Polymerase Chain Reaction Analysis across a NITREX™ Permeable Reactive Barrier in Waquoit Bay
14:00-14:15	<b>Whitney Eng</b> (Brown University)	Using Infauna Abundance and Genetic Markers in Oysters as an Indicator of Hypoxia Down-gradient from a NITREX™ Permeable Reactive Barrier
14:15-14: 30	<b>Lucy Robins</b> (Vassar College)	Cranberry Bog Restoration: The Effect of Cultivation and Restoration on Nutrient Uptake and Cycling in Streams on Cape Cod
14:30-14:45	<b>Kimberly Morrell</b> (Carleton College)	An Analysis of the Benthic Invertebrate Communities in Agriculturally Impacted and Restored Stream Ecosystems on Cape Cod
14:45-15:00	<b>Yusuke Kumai</b> (Vassar College)	The Effect of Water Temperature on the Distribution and Metabolic Rate of Fish Species in Streams on Cape Cod

*There will be a brief celebration and awards ceremony after the symposium.*