

# POSTDOCTORAL FELLOW & RESEARCH STAFF SUMMER COLLOQUIUM SCHEDULE

Friday, June 18<sup>th</sup> 2010

MSL Conference Room

9:00-9:15 Welcome and Introduction

## PHYSICAL OCEANOGRAPHY

9:15-9:35 *Vembu Subramanian*, Jeff Donovan: **COMPS Data Management: Technology approach towards interoperability**

9:35-9:55 *Yonggang Liu*, Robert H. Weisberg, Lianyuan Zheng, Chuanmin Hu: **Tracking/predicting the oil spill trajectory in the Gulf of Mexico with ocean circulation models and satellite imagery**

9:55-10:15 *Steve D. Meyers*, Amanda Linville, and Mark E. Luther: **Circulation Changes in Tampa Bay due to Large-scale Human Engineering**

10:15-10:30 Coffee Break

## CHEMICAL OCEANOGRAPHY

10:30-10:50 *Xuewu Liu*, Robert H. Byrne: **Purification and characterization of meta cresol purple for spectrophotometric seawater pH measurements**

10:50-11:10 *Kelly A. Quinn* and Robert H. Byrne: **Yttrium and Rare Earth Element Sorption: A Study using ICP-MS and EXAFS**

11:10-11:30 *Rob Masserini*, Kent Fanning, Matthew Potter: **The Oceanic Nutrient Laboratory: Chemistries, Capabilities, and Collaborations**

11:30-11:50 *David L. Jones*, Monica R. Lara, Zhongxing Chen: **Variation in otolith elemental signatures among three species of juvenile snapper (PISCES: Lutjanidae) from southern Florida, USA**

11:50-12:50 Lunch Break

## BIOLOGICAL OCEANOGRAPHY

12:50-1:10 *Lauren McDaniel*, Elizabeth Young, John H. Paul: **High Frequency of Horizontal Gene Transfer in the Oceans**

1:10-1:30 *Dave John*, John Paul: **Nitric oxide induces programmed cell death in the Florida Red Tide organism *Karenia brevis***

1:30-1:50 *Bhakti Dwivedi*, Mya Breitbart, Robert Edwards: **A Computational Tool for the Identification of Signature Genes Among Phages**

1:50-2:05 Snack Break

2:05-2:25 *Kim Pause Tucker*, Télesphore Sime-Ngando, Soizick Lucas, Agnès Robin, Jonathan Colombet, Yvan Bettarel, Elie Desmond, Simonetta Gribaldo, Patrick Forterre, Mya Breitbart and David Prangishvili: **Virus-host diversity in hypersaline Lake Retba, Senegal**

2:25-2:45 *Eric W. Montie*: **Novel Approaches for Assessing the Effects of Anthropogenic Chemicals and Red Tide Toxins on the Central Nervous System of Marine Vertebrates**

2:45 Concluding remarks and retire to Bayboro Tavern for follow-up discussion