

**2011 ASLO Aquatic Sciences Meeting
13-18 February 2011 · San Juan, Puerto Rico, USA**

PROGRAM ADDENDUM

This addendum reflects any changes relevant to the meeting schedule and the scientific program that came about after the printing of the Conference Program. Revisions to the scientific program are noted and organized by day. Other inclusions are listed under “Miscellaneous Additions.” Changes to the meeting schedule and scientific program that come about after the date of this document will be posted at the meeting.

MISCELLANEOUS ADDITIONS TO THE CONFERENCE PROGRAM (As of 8 February 2011)
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WORKSHOPS AND SPECIAL PRESENTATION INFORMATION

Monday, 14 February 2011

Special Presentation – Colloquium on Water Quality Issues in Puerto Rico and the U.S. Virgin Islands
12:00 to 13:30 - Ballroom B

Professor Ruperto Chaparro, Director of the Puerto Rico Sea Grant Program will chair a colloquium on water quality issues in Puerto Rico and the neighboring U.S. Virgin Islands. During the event, Dr. James W. Porter, Meigs Professor of Ecology, University of Georgia, Athens, Georgia, and winner of the 2005 Eugene P. Odum Award for Excellence in Ecology Education, will address unexploded ordnance. Dr. Javier Vélez, PR DNRE ex-secretary and currently professor of Environmental Science at UMET, will address past, present, and future challenges of water resources management in Puerto Rico. Carlos Figueroa of the USGS will be addressing issues of terrestrial runoff.

Tuesday, 15 February 2011

Ramón Margalef Award for Excellence in Education—Dr. Juan G. Gonzalez, University of Puerto Rico, Mayaguez, Puerto Rico – Affiliation Revised

Science Journalism Workshop: From Ship to Shore to the News – Workshop Cancelled

NSF Funding Opportunities in Aquatic Sciences - An Informal Q&A – Workshop Added to Schedule
18:00 – Room 208 B
Organizers: Nancy B. Grimm, ngrimm@nsf.gov, and Mike Sieracki, msieracki@bigelow.org

Friday, 18 February 2011

Student Appreciation Dinner – The student appreciation dinner will not take place this year.

SCIENTIFIC PROGRAM REVISIONS BY DAY

As of 8 February 2011

Monday, 14 February 2011 – Oral Sessions

S22 Diatoms and Coccolithophores: From evolution to global biogeochemical cycles

09:15 Iglesias-Rodriguez, M. D.; Jones, B. M.; Lebrato, M.; Blanco-Ameijeiras, S.; THE EFFECT OF UPWELLING AND IN-SITU OCEAN ACIDIFICATION MANIPULATIONS ON COCCOLITHOPHORE PHYSIOLOGY – Presenting Author Changed

S27: Interactions Between Aquatic Microbial Eukaryotes: Intracellular to Community Processes

09:30 John, U.; Tillmann, U.; Cembella, A.; Alpermann, T. J.; THE ECOLOGICAL AND EVOLUTIONARY CONCEPT BEHIND ALLELOCHEMICAL INTERACTIONS FOR ALEXANDRIUM POPULATIONS – Presentation Withdrawn

S38 Eutrophication across aquatic systems: causes, consequences, and controls

08:00 Bunting, L.; Leavitt, P. R.; Schindler, D. E.; Hampton, S. E.; REGULATION OF LAKE EUTROPHICATION AND RECOVERY BY PHOSPHORUS FLUX ALONE: INSIGHTS FROM LAKES WASHINGTON AND SAMMAMISH, USA. – Presentation Withdrawn

S41 Ecological Forecasting: Progress, Challenges and Prospects

14:45 Fisher, K. M.; Allen, A. L.; Stumpf, R. P.; OPERATIONAL ECOLOGICAL FORECASTING: A HARMFUL ALGAL BLOOM SUCCESS STORY PROVIDES REALISTIC PROSPECTS FOR THE FUTURE OF ECOFORECASTING – Presentation Withdrawn

S92: Exploring the Foundations of Interactions Among the Major Biogeochemical Cycles: Thermodynamics, Kinetics and Stoichiometry

17:00 Harris, L. A.; APPLYING THE METABOLIC THEORY OF ECOLOGY TO ESTUARINE ANAEROBIC MICROBIAL COMMUNITIES – Presentation Withdrawn

GS09 Community Ecology

14:00 Reuscher, M. G.; Shirley, T. C.; BIODIVERSITY OF FAUNAL ASSEMBLAGES IN PROXIMITY TO DEEP-WATER CORALS OF BRITISH COLUMBIA – Presentation Withdrawn

Tuesday, 15 February – Oral Sessions

S26 Improved Broader Impacts = Enhanced Scientific Impacts

14:15 Manno, C.; Pecchiar, I.; ITALIAN HIGH SCHOOL FOLLOWING IN THE FOOTSTEPS OF THE ARCTIC – Oral Presentation Withdrawn

S37: Evolutionary Rules in the Brave New Ocean – Climate Change and Life History Strategies

14:45 Nguyen, H.; Byrne, M.; IMPACT OF OCEAN WARMING AND OCEAN ACIDIFICATION ON MARINE INVERTEBRATE LIFE HISTORY STAGES: VULNERABILITIES AND POTENTIAL FOR PERSISTENCE IN A CHANGING OCEAN – Presenting Author Changed

S62 Microbial Adaptation to Environmental Changes and Advances in Marine Microbial Diversity and Dynamics in Latin America and the Caribbean

09:15 Sunagawa, S.; Bayer, T.; Ali, S.; Aranda, M.; Daniel, L. D.; Young, E. C.; Paul, J. H.; Medina, M.; Ritchie, K. B.; Voolstra, C. R.; THE GENOME SEQUENCE OF REUGERIA MOBILIS, AN ALPHA-PROTEOBACTERIUM THAT EXHIBITS HIGH FREQUENCY OF HORIZONTAL GENE TRANSFER IN THE OCEANS – Presentation Withdrawn

S01 ASLOMP Student Symposium

Miscellaneous Poster – Parekh, A.D.; Gonsalves, L.; Johnson, A.K. TEMPORAL DIFFERENCE IN PREVALENCE AND SEVERITY OF MYCOBACTERIAL GRANULOMAS AND MACROPHAGE AGGREGATES IN STRIPED BASS (*M. SAXATILIS*) USING HISTOLOGICAL METHODS – Poster to be included in poster session.

Amy D. Parekh¹, Lonnie Gonsalves², and A.K. Johnson²

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Striped bass (*Morone saxatilis*) are an important component of the Chesapeake Bay. Chesapeake Bay striped bass are currently undergoing a chronic epizootic of *Mycobacterium spp.* In addition, these fish potentially experience several physiological stressors including hypoxia and nutritional deficiencies that may become more prevalent during the summer. This study explored whether there were differences in mycobacteriosis severity and physiological stress in summer- and fall-collected striped bass via histological examination of the spleen. Seventy-nine striped bass were caught in the summer and the late fall of 2009 from the Choptank River. Histological sections of the spleen were examined to determine if the percent coverage and number of granulomas as well as the concentration of macrophage aggregates varied temporally. Striped bass had significantly more granulomas in the summer than in the fall and significantly higher concentrations of macrophage aggregates in the fall than in the summer.

S09: Benthic Biogeochemical Processes: From microscale patchiness to ecosystem function

Poster #53 Wollenburg, J.; Tiedemann, R.; NOVEL AUTOCLAVE AQUARIA FACILITATES HIGH-PRESSURE METHANE SEEPAGE-EMULATING CULTURE EXPERIMENTS ON BAROPHILIC DEEP-SEA FORAMINIFERA – Poster Withdrawn

S62 Microbial Adaptation to Environmental Changes and Advances in Marine Microbial Diversity and Dynamics in Latin America and the Caribbean

Poster # 93 Colon-Padilla, B. L.; Suarez-Velez, E.; Gomez-Vallejo, A.; Castilla, A.; Schmidt, W.; Quintero, P. O.; Smith, M. C.; AN "OPEN SOURCE" AUTONOMOUS ARCHIVAL INSTRUMENT FOR AQUATIC SAMPLING – Poster Title Revised

S92 Exploring the Foundations of Interactions Among the Major Biogeochemical Cycles: Thermodynamics, Kinetics and Stoichiometry

Poster #162 Taylor, P. G.; Townsend, A. R.; STOICHIOMETRIC COHERENCE AMONG THE GLOBAL CARBON, NITRATE AND PHOSPHORUS CYCLES: AN EXPANDED MODEL – Poster Withdrawn

GS09 Community Ecology

Poster #30 Bluhm, B. A.; Iken, K.; Mincks Hardy, S. L.; Sirenko, B. I.; Holladay, B. A.; COMMUNITY STRUCTURE OF EPIBENTHIC MEGAFUNA IN THE CHUKCHI SEA – Poster Withdrawn

S09 Benthic biogeochemical processes: From microscale patchiness to ecosystem function

15:00 Woelfel, J.; Wannicke, N.; Hübener, T.; Karsten, U.; EFFECTS OF DIFFERENT CO₂ CONCENTRATIONS ON MICROPHYTOBENTHIC FUNCTION (SOUTHERN BALTIC SEA) – Presentation reinstated with a new title. See changes posted on Wednesday, 2/16/11.

S39 Regional Ecosystem Research Informing Management Decisions

08:15 Allee, R. J.; Carollo, C.; Sutter, F. C.; ECOSYSTEM ASSESSMENT ACTIVITIES IN THE GULF OF MEXICO: INTEGRATING SCIENCE WITH MANAGEMENT NEEDS – Presenting Author Changed

S39 Regional Ecosystem Research Informing Management Decisions

14:15 Ramos Álvarez, A.; Speight, M. R.; PUBLIC POLICY RECOMMENDATIONS: MANAGING PUERTO RICO'S MARINE ORNAMENTAL FISHERY WITH AN INTEGRATIVE APPROACH – Presentation Withdrawn

S51 Who's in the water? Recent advances in the detection and quantification of phytoplankton community composition in aquatic ecosystems

14:45 Zamor, R. M.; Glenn, K. L.; Hambricht, K. D.; EARLY-WARNING DETECTION OF THE INVASIVE, TOXIGENIC GOLDEN ALGA, *PRYMNESIUM PARVUM* – Presentation Withdrawn

S87: Trace Metals and their Nutritional Importance to Marine Phytoplankton and Bacteria

09:00 Mackey, K. R.; Casey, J.; Chen, Y.; Lomas, M. W.; Post, A.; Cid, A. P.; Sohrin, Y.; Paytan, A.; PICOPHYTOPLANKTON GROWTH AND TOXICITY RESPONSES TO ATMOSPHERIC METAL DEPOSITION – Correction for 6th author's name

14:30 Jiang, M.; Charette, M.; Measures, C.; Zhou, M.; MODELING FE TRANSPORT AND LIMITATION TO PHYTOPLANKTON BLOOMS IN ANTARCTIC PENINSULA, DRAKE PASSAGE, AND SCOTIA SEA – Presentation Withdrawn

GS08D Plankton Ecology - Session 4

13:30 Wikfors, G. H.; Li, J.; Alix, J. H.; Fuentes, M. S.; SURVIVAL STRATEGIES OF *PSEUDO-NITZSCHIA MULTISERIES* IN APHOTIC ZONE CONDITIONS – Presenting Author Changed

Thursday, 17 February 2011 – Oral Sessions

S17 Phosphorus Cycling in Marine Systems: Biogeochemical, Genomic and Model Studies

15:15 Fuentes, M. S.; Wikfors, G. H.; Meseck, S. L.; SILICA DEFICIENCY INDUCES ALKALINE PHOSPHATASE ENZYME ACTIVITY IN CULTURES OF THREE MARINE DIATOMS – Presenting Author Changed

S44: The Relevance of Jellyfish Blooms in the Changing Global Oceans

09:30 Olariaga, A.; Atienza, D.; Fuentes, V.; Tilves, U.; Marambio, M.; Gili, J. M.; IMPACT OF THE NEW INVASIVE CTENOPHORE *MNEMIOPSIS LEIDYI* ON THE NW MEDITERRANEAN – Presenting Author Changed

S48 How will a continued ice retreat affect Arctic productivity and food webs?

09:00 Gradinger, R.; Bluhm, B. A.; Iken, K.; SEDIMENTATION PROCESSES UNDER THE SEASONAL SEA ICE OF THE BERING SEA - Presentation Withdrawn

S82 Microbe-DOM Interactions in Aquatic Environments

15:00 Zhang, S. J.; Santschi, P. H.; Spurgin, J.; Schwehr, K. A.; Quigg, A.; Chin, W. C.; THE ROLE OF EXOPOLYMERIC SUBSTANCES (EPS) IN MODIFYING TRANSPORT OF ENGINEERED NANOPARTICLES IN MARINE ENVIRONMENTS – Presenting Author Changed

GS05B Food web interactions and trophic linkages - Session 2

08:15 Sieben, K.; Ljunggren, L.; Bergström, U.; Rippen, A. D.; Eriksson, B. K.; INTERACTING EFFECTS OF PREDATOR DECLINE AND RESOURCE ENRICHMENT ON DIFFERENT SPATIAL SCALES - Presentation Withdrawn

Thursday, 17 February 2011 – Poster Session

S33 Effects of Global Change on Carbon Transport and Processing in Tropical Freshwater Ecosystems

Poster #417 Machado-Silva, F.; Lima, V. N.; Sato, C. Y.; Oliveira, A. F.; Andrade, P. M.; Silva-Junior, E. F.; Lima, R. F.; Moulton, T. P.; DETECTING ENVIRONMENTAL IMPACT USING STABLE ISOTOPES IN PERIPHYTON AND FPOM OF COASTAL FOREST STREAMS IN RIO DE JANEIRO STATE, BRAZIL – Presenting Author Changed

S33 Effects of Global Change on Carbon Transport and Processing in Tropical Freshwater Ecosystems

Poster #418 Lima, V. N.; Oliveira, A. F.; Machado-Silva, F.; Sato, C. Y.; Andrade, P. M.; Silva-Junior, E. F.; Lima, R. F.; Moulton, T. P.; USE OF STABLE ISOTOPES OF CARBON AND NITROGEN FOR IMPACT AND BASAL FOOD RESOURCES ASSESSMENT IN STREAMS OF GUAPI-MACACU WATERSHED, RIO DE JANEIRO, BRAZIL – Presenting Author Changed

Poster #420 Moulton, M. A. B.; Rocha, T. B.; Pimenta, M. L. F.; Castro, P. I. B.; Moulton, T. P. THE IMPORTANCE OF CONNECTIVITY: THE HISTORY OF HUMAN DISTURBANCE IN THE GUAPI-MACACU RIVER, RIO DE JANEIRO, BRAZIL, AND POSSIBILITIES FOR RESTORATION – Presenting Author Changed and Poster Title Revised

S79: Dynamics of Tropical Aquatic Systems: Rivers, Estuaries, and Coastal Waters

Poster #346 Shin, W. S.; Fujibayashi, M.; Nagahama, Y.; Nomura, M.; Nishimura, O.; THE STUDY ON CONTRIBUTION OF MICROBIAL ORGANIC MATTER IN FORMATION OF TIDAL FLAT SEDIMENT – Presenting Author Changed (Substitute: Aikawa, Y.)

Friday, 18 February 2011 – Oral Sessions

S02 Ocean Biogeochemistry Time-Series and Climate

15:00 Jacob, M.; Boetius, A.; Wenzhöfer, F.; Bergmann, M.; Bracher, A.; Nöthig, E. M.; Ramette, A.; Schewe, I.; Soltwedel, T.; Klages, M.; OBSERVING MICROBIAL BIODIVERSITY SHIFTS RELATED TO CLIMATE CHANGE IN THE ARCTIC OCEAN – Presenting Author Changed

S06 From Green Pastures to Green Water: Integrating Soil and Aquatic Approaches to Phosphorus Biogeochemistry Science

15:15 Withers, P. J.; Jarvie, H. P.; Bowes, M. J.; Harper, D. M.; LINKING AGRICULTURAL PHOSPHORUS SOURCES TO EUTROPHICATION IMPACTS IN UK RIVERS: A REVIEW OF THE EVIDENCE BASE – Presentation Withdrawn

S14: Consequences of Hypoxia for Living Resources and Biogeochemical Cycles

08:45 Craig, J. K.; Magelnicki, M. A.; Crowder, L. B.; Rose, K. A.; Creekmore, S.; Diamond, S. A.; EFFECTS OF HYPOXIA ON FORAGING AND ENERGETICS OF ATLANTIC CROAKER IN THE NORTHWESTERN GULF OF MEXICO – Presentation Withdrawn

S32 Variability in Freshwater Inputs and its Impacts on Coastal Marine Systems

15:15 Dornback, L. M.; Lohrenz, S. E.; TEMPORAL AND SPATIAL VARIATIONS IN PHYTOPLANKTON BIOMASS IN MISSISSIPPI COASTAL WATERS – Presentation Withdrawn

S69 The Biogeochemistry of Coral – Microbe Interactions

16:45 Ichim-Moreno, N.; Bajic, V.; Ravasi, T.; Micklem, G.; Voolstra, C. R.; THE GENOME SEQUENCE OF THE DINOFLAGELLATE SYMBIODINIUM SP., A SYMBIONT FROM SCLERACTINIAN CORALS – Presentation Withdrawn

UPDATED EXHIBITOR INFORMATION & DEMONSTRATIONS

COSEE

Centers for Ocean Sciences Education Excellence

Contact: Liesl Hotaling

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Tuesday, 15 February 2011, 16:00 to 18:00 during the poster session

Teaching Physical Concepts in Oceanography – Hands-on Demonstrations

Demonstrations are a collection of hands-on/minds-on activities for teaching physical concepts that are fundamental in oceanography. These key concepts include density, pressure, buoyancy, heat and temperature, and gravity waves. The activities were developed as part of a COSEE collaboration between scientists and education specialists and were implemented in two undergraduate courses and in four, week-long workshops for middle- and high-school science teachers.

ADDITIONAL EXHIBITORS

(The following exhibitors did not register in time to be included in the conference program book:

CAMECA, Inc. (Booth #13)

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