

8th BioNES Biology New England South Meeting



Friday, December 5th, 2014

Rec Center – **Roger Williams University**
One Old Ferry Road, Bristol, Rhode Island 02809

Sponsors: **Roger Williams University, New England Science Public NESP, International Society of Protistologists ISoP, Brown University, University of Rhode Island, Rhode Island College, Providence College, Salve Regina University, Bryant University, Rhode-Island IDeA Network of Biomedical Research Excellence RI-INBRE, Rhode Island Experimental Program to Stimulate Competitive Research EPSCoR, Sea Education Association SEA**

Coordination Guillermo Paz-y-Miño-C. PhD, co-Director NESP ♦ **Host** Avelina Espinosa PhD, Roger Williams University ♦
Advertisement: NESP & New England Center for the Public Understanding of Science, RI-INBRE, EPSCoR, Brown University Division of Biology and Medicine – Office of Graduate and Postdoctoral Studies, Biotechnology Program Roger Williams University, SEA.

Program

- 08:00 AM Registration and poster set up: Rec Center, Roger Williams University
- Morning Session: chair & host **Avelina Espinosa** PhD, Department of Biology, Roger Williams University
- 08:45 AM *Opening* **Avelina Espinosa**
- 08:50 AM *Welcome* **Andrew Workman** PhD, Provost Roger Williams University
- 08:55 AM *Format of meeting and time-keeping strategy* **Avelina Espinosa**
- 09:15 AM *Red Algal Parasites: giving up life in the sun for raiding someone else's cupboard*
Christopher E. Lane PhD, Department of Biological Sciences, University of Rhode Island
- 09:30 AM *The Effect of Hurricanes on Climate Change Engagement*
Corey Lang PhD & David Ryder PhD, Envi. Nat. Res. Econ., University of Rhode Island
- 09:45 AM *Supramolecular Organic Chemistry for Carcinogen Detection Applications*
Mindy Levine PhD, Department of Chemistry, University of Rhode Island
- 10:00 AM *Chemical Synthesis of Natural Products and Their Development to Therapeutic Leads and Cellular Probes*
Lynnie Trzoss PhD, College of Pharmacy, University of Rhode Island
- 10:15 AM *Linking Transcription with DNA Repair Using Molecular Motors*
Alexandra M. Deaconescu PhD, Department of Molecular Biology, Cell Biology and Biochemistry, Brown University
- 10:30 AM **Coffee Break and Advertisement Booths – please return at 10:55 AM**
- 11:00 AM *The Mission and Vision of New England Science Public: BioNES 2007-2014*
Guillermo Paz-y-Miño-C. PhD, New England Science Public
- 11:15 AM **Keynote Address: The Deep History of Life, Andrew H. Knoll** PhD, Fisher Professor of Natural History and Professor of Earth and Planetary Sciences, Harvard University
– Introduction of speaker by **Guillermo Paz-y-Miño-C.** PhD
- 12:15 AM *World Changers 3.0 - Putting the Anthropocene In Perspective*
Stephen Porder PhD, Department of Ecology and Evolutionary Biology, Brown University
- 12:30 PM **Lunch Break and Advertisement Booths – please return at 1:35 PM**

Afternoon Session: Student Competition BioNES 2014 Awards, chair **Lauren Rossi** PhD, Department of Chemistry, Roger Williams University

Undergraduate competition for BioNES 2014 Undergraduate Student Award

- 01:40 PM *Identifying the Eukaryotic Diet of Gastropod Grazers with 18S PNA-PCR*
Brittany L. Baker, from the Breea Govenar Laboratory, Department of Biology, Rhode Island College
- 01:48 PM *Two Novel Formulations of Probiotic Bacteria for Commercial Shellfish Larviculture*
Meagan Hamblin, from the Marta Gomez-Chiarri and David Rowley Laboratories, University of Rhode Island
- 01:56 PM *Synthesis and Evaluation of Substituted Coumarin Derivatives as Inhibitors of Monoamine Oxidase B*
Ian A. Kieffer, from the Erica L. Oduaran Laboratory, Department of Chemistry, Roger Williams University
- 02:04 PM *Characterization of glycosyl hydrolase family 73 member, CD1034, from Peptoclostridium difficile*
Ryan D. Miller, from the Christopher W. Reid Laboratory, Dep. Sci. Tech., Bryant University
- 02:12 PM *Virtual Screening of Quinolone and Phevalin Derivatives on P. aeruginosa Quorum Sensing Proteins*
Monaf Awwa, from the Susan M. Meschwitz Laboratory, Department of Chemistry, Salve Regina University
- 02:20 PM *Amplified Fragment Length Polymorphism (AFLP) Analysis to Detect Genetic Differences among Leishmania Species*
Christine Ortiz, from the Alison M. Shakarian Laboratory, Department of Biology, Salve Regina University
- 02:28 PM *Gallic Acid Potential as a Treatment to Prevent Gastric Cancer*
Rhiannon Morrissey, from the JD Swanson Laboratory, Department of Biology and Biomedical Sciences, Salve Regina University
- 02:36 PM *Array-Based Detection of Carcinogens and Carcinogen Metabolites in Urine*
John Roque, from the Mindy Levine Laboratory, Department of Chemistry, University of Rhode Island

Graduate competition for BioNES 2014 Graduate Student Award

- 02:44 PM *Detection of Aliphatic Alcohols in Complex Environments*
Dana J. DiScenza, from the Mindy Levine Laboratory, Department of Chemistry, University of Rhode Island
- 02:52 PM *Identification and Characterization of a Histone Binding Domain and Chromodomain in FANCD2*
Karissa L. Paquin, from the Niall G. Howlett Laboratory, Department of Cell and Molecular Biology, University of Rhode Island
- 03:00 PM *Analyzing the Role of the PTEN Phosphatase in DNA Crosslink Repair*
Elizabeth A. Vuono, from the Niall G. Howlett Laboratory, Department of Cell and Molecular Biology, University of Rhode Island
- 3:10 PM** **Poster Session and Advertisement Booths**
- 4:30 PM Poster and BioNES 2014 awards presentation, **Guillermo Paz-y-Miño-C.** PhD, Co-Director New England Science Public – Coordination BioNES
- 5:00 PM Closing