

2015 Student Science & Education Symposium Presentation Award Winners



Left to right, Back Row: Dr. Spinrad, Katrina Rosemond, Charlotte Eckmann, Samantha Levell, Amanda Murphy, Milton Martinez-Torres, Thomas Ludwig, Julia Maine, Joshua Wadler

Front Row: Danielle Cox, Abigail Hummel, Emily Wallingford, Leigh Terry, Lewis Kunik

From July 28 – 30th, 2015, the NOAA Office of Education held its annual Student Science and Education Symposium. The Symposium was attended by 123 Hollings and Educational Partnership Program with Minority Serving Institutions (MSI) undergraduate scholars. The scholars presented the results of their summer internships with NOAA labs and offices throughout the United States. The three day event was filled with impressive oral and poster presentation sessions, information sharing and networking opportunities. The symposium culminated in a closing ceremony with inspiring remarks delivered by Dr. Richard Spinrad, the NOAA Chief Scientist. Congratulations to all the students who participated in the Science and Education Symposium, and all of the presentation award winners! The NOAA Office of Education is excited to hear where the future takes you (And when you find out, please fill out our alumni form [here!](#)).

Poster Presentations Award Winners

Katrina Rosemond (Climate Adaptation and Mitigation) – EPP/MSI Undergraduate Scholar
Major: Electrical Engineering
University: North Carolina Agricultural and Technical State University
Internship Placement: NESDIS
Internship Location: Suitland, MD
Poster title: *An Intercomparison of Predicted Sea Ice Concentration from Global Ocean Forecast System & Arctic Cap Nowcast/Forecast System*

Milton Martinez (Science and Technology Enterprise) - EPP/MSI Undergraduate Scholar
Major: Electrical Engineering
University: University of Puerto Rico Mayaguez
Internship Placement: NESDIS
Internship Location: Suitland, MD
Poster title: *Interactive Multisensor Snow and Ice Mapping System (IMS) Refinement Utilizing Global Historical Climatology Network-Daily (GHCN-D) Dataset*

Oral Presentation Award Winners

Weather-Ready Nation

Leigh Terry – Hollings Undergraduate Scholar
Major: Economics
University: University of Alabama
Internship Placement: OAR Earth System Research Laboratory
Internship Location: Boulder, CO
Presentation title: *Labor Market Analysis of Various Energy Strategies for 2030*

Tie:

Thomas Ludwig – Hollings Undergraduate Scholar
Major: Chemical Engineering
University: University of Alabama
Internship Placement: OAR Air Resources Laboratory
Internship Location: College Park, MD
Presentation Title: *Modeling the Chemistry and Physics of Atmospheric Mercury*

Amanda Murphy – Hollings Undergraduate Scholar
Major: Atmospheric Science
University: University of Illinois at Urbana-Champaign
Internship Placement: NWS Weather Forecast Office
Internship Location: Huntsville, AL
Presentation Title: *Investigating the Environments of Null Tornado Cases in North Alabama and Southern Middle Tennessee*

Joshua Wadler – Hollings Undergraduate Scholar

Major: Meteorology

University: University of Oklahoma Norman Campus

Internship Placement: OAR Atlantic Oceanographic and Meteorological Laboratory

Internship Location: Miami, FL

Presentation Title: *Radial and Azimuthal Variations on Convective Burst Structure in Tropical Cyclones from Airborne Doppler Observations*

Climate Adaptation and Mitigation

Lewis Kunik – Hollings Undergraduate Scholar

Major: Computer Engineering

University: University of Wisconsin-Madison

Internship Placement: OAR Earth System Research Laboratory

Internship Location: Boulder, CO

Presentation Title: *Multiscale Observational Constraints on CO₂ Fluxes*

Danielle Cox – Hollings Undergraduate Scholar

Major: Geology and Environmental Studies

University: University of Miami, FL

Internship Placement: NOS

Internship Location: Beaufort, NC

Presentation Title: *Blue Carbon for How Long? Lability of Buried Salt Marsh Carbon Released via Erosion*

Resilient Coastal Communities

Charlotte Eckmann – Hollings Undergraduate Scholar

Major: Marine Science

University: University of South Carolina-Columbia

Internship Placement: NOS National Centers for Coastal Ocean Science

Internship Location: Charleston, SC

Presentation Title: *Effects of Salinity on the Toxicity of Oil Spill Dispersants to Estuarine Species*

Abigail Hummel – Hollings Undergraduate Scholar

Major: Biology

University: University of Florida

Internship Placement: NOS

Internship Location: Gloucester Point, VA

Presentation Title: *Raising Awareness and Understanding of the Chesapeake Bay through Summer Education and Outreach*

Healthy Oceans

Emily Wallingford – Hollings Undergraduate Scholar

Major: Marine Science

University: University of Hawaii at Hilo

Internship Placement: NOS

Internship Location: Beaufort, NC

Presentation Title: *Development of Lionfish Aggregating Devices (LADs) for Use in Marine Protected Areas (MPAs) and Local Control*

Tie:

Samantha Levell – Hollings Undergraduate Scholar

Major: Marine Biology

University: Florida State University

Internship Placement: NMFS Northwest Fisheries Science Center

Internship Location: Seattle, WA

Presentation Title: *Habitat Selection and the Effect of Conspecific Presence in Forage Fish*

Julia Maine – Hollings Undergraduate Scholar

Major: Earth and Oceanographic Sciences

University: Bowdoin College

Internship Placement: NMFS Northeast Fisheries Science Center

Internship Location: East Boothbay, ME

Presentation Title: *Effect of Ocean Acidification on the Food Quality of the Coccolithophore *E. huxleyi* and the Response of Copepod Grazing*