



We are very pleased that **Dr. Sidney A. McNairy, Jr.**, former member of the Senior Executive Service National Institutes of Health, Bethesda, MD, will deliver the keynote address. Dr. McNairy continues to contribute to the success of numerous, innovative, federally funded programs. As a member of the NEWRnet External Advisory Committee, he brings the strength of his support to the NEWRnet education, outreach, and diversity initiatives.

Thank you for a fun and successful summer of NEWRnet research.

Your passion and dedication make this event possible!



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2015 NEWRnet Undergraduate Interns



Undergraduate Research Symposium



August 11, 2015

**Saint Michael's College
Colchester, VT**





NEWRnet Undergraduate Research Symposium

Agenda

10:00-10:15 Welcome and Introductions

Dr. Judith Van Houten, Vermont State EPSCoR Director
NEWRnet Education Outreach Diversity Team

10:15-11:15 NEWRnet research update

Dr. Shree Inamdar and graduate students **Catherine Winters** and **Richard Rowland**, University of Delaware

11:15-12:00 2-Minute Talks

Students introduce their research, two minutes each

12:00-1:00 Lunch and networking

1:00–2:00 Keynote Address

Dr. Sidney A. McNairy, Jr., former member of the Senior Executive Service National Institutes of Health, Bethesda, MD

2:00 – 3:00 NEWRnet Scholar Poster Session

3:00 – 3:15 Closing remarks

Poster Titles:

Daniel Awokuse, University of Delaware - Heavy Metals in Drinking Water

Justin Bristol, University of Rhode Island - Resident Decision Making on Lawn Care Practices

Caraline Canning, University of Delaware - After The Flood: Potential leaching of carbon and nitrogen from sediments

Robert Costello, University of Delaware - Use of High-Frequency, In-Stream, Ultraviolet-Visual Spectroscopy to Characterize Nitrate Uptake Due to Storms

Poster Titles (cont'd)

Shawn DelPercio, Delaware Technical Community College - Water Quality of Brandywine Creek and Urban Runoff Sources in Wilmington, Delaware

Noah El-Naboulsi, Saint Michael's College - Using Experimental Economics to Understand Decision-Making Processes in Relation to Fertilizer Use, Revenue, and Vegetative Buffer Installation

James Hanes, University of Delaware - Determination of Daily Net Primary Production from Continuous Water Quality Monitoring in the Surface Waters of Coursey Pond, Delaware

Scott Hara, University of Rhode Island - Water Quality Monitoring using an Autonomous Surface Vehicle

Jennifer Kane, Salve Regina University - Macroinvertebrate Biological Assessment of Water Quality in Rhode Island

Catherine Linh, University of Rhode Island - Golden Nanoscale Lightning Rods: Water Quality Monitoring Using Surface Enhanced Raman Spectroscopy (SERS)

Grace Lowe, Middlebury College - Examining Stakeholders' Decisions Related to Water Quality: Are we blinded by the status quo?

Kristen McCarthy, Saint Michael's College - Using Rhodamine Dye to Quantify Incoming Solar Radiation Along Streams with Heterogeneous Canopy Cover

Kristin McDermott, Salve Regina University - Chemical and GIS Land-use Analysis Reveals Pollution Hotspots in Aquidneck Island

Harrison Miller, Saint Michael's College - Creating a Model to Track BDOC Using Optical Water Quality Sensor Data

Kaitlynn Ritchie, University of Delaware - Reducing Residential Pollution through Water Conservation Practices

Nicole Stevens-Murphy, University of Rhode Island - Effects of Stream DOC as Precursors to Dangerous Disinfectant By-products in Drinking Water Supplies

Kathryn Wheeler, University of Delaware - Regional Variation in American Beech Leaf Leachate Chemistry Across Three Watersheds in the Northeastern United States

Arkia Wynn, University of Rhode Island - Social Ecological Simulation of Farmer's Fertilization Decisions Based on Varying Degrees of Uncertainty in Weather Conditions