


## UNDERGRADUATE RESEARCH SYMPOSIUM

August 19, 2011, 1:00 – 4:30 p.m., Auditorium

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- 1:00 Welcome and Introductions: Dr. Alan R. Berkowitz, Head of Education, Dr. William Schlesinger, President, Cary Institute of Ecosystem Studies.
- 1:15 **Kristen Sloyer (Millersville University of Pennsylvania):** Using urban habitat characteristics and resource competition to explain the success of the invasive mosquito *Ochlerotatus japonicus* over native *Oclerotaus triseriatus*. Mentor: Dr. Shannon LaDeau
- 1:30 **Noelle Martinez (University of New Mexico):** Where the green grass grows: Nitrate dynamics in front and back yard urban lawns. Mentor: Dr. Peter M. Groffman
- 1:45 **Oscar Azucena (Humboldt State University):** Movement of three alternative deicers through soil and its effects on BOD and soil respiration. Mentor: Dr. Stuart Findlay
- 2:00 **Arwen Milroy (Adams State College):** Suppression of *in situ* algal growth and microbial respiration as a function of exposure to varied concentrations of pharmaceutical compounds. Mentors: Drs. Emma Rosi-Marshall and Heather Bechtold
- 2:15 **Jillian Guenther (Vassar College):** Student knowledge and attitudes in place-based environmental education. Mentor: Dr. Alan Berkowitz
- 2:30 **Olivia Santana (Calvin College):** Can you hear me now? How anthropogenic noise affects Veery communication. Mentor: Drs. Kara Belinsky and Kenneth Schmidt
- 2:45 **BREAK**
- 3:00 **Kira Gilman (Bard College):** The effects of invasive garlic mustard on entomopathogenic fungi and blacklegged tick survival. Mentor: Dr. Felicia Keesing
- 3:15 **Matt Trentman (Manchester College):** The effect of retention ponds and riparian vegetation on nutrient concentrations in a golf course stream in Millbrook, NY. Mentor: Dr. William Schlesinger
- 3:30 **Alexandra Rodriguez (University of Puerto Rico):** Relationship between blacklegged ticks and earthworms in forested sites of Dutchess County, New York. Mentors: Drs. Richard S. Ostfeld and Felicia Keesing
- 3:45 **Arial Shogren (Vassar College):** Interactive drought and hemlock wooly adelgid density in *Tsuga canadensis* (Eastern Hemlock). Mentors: Drs. Shannon LaDeau and Gary Lovett
- 4:00 **Ayah Badran (University of Vermont):** How do students use science in making environmental decisions? A study of high school and undergraduate students. Mentor: Dr. Alan Berkowitz

\*A wine and cheese reception will follow the presentations\*