

**HUGHES SCIENCE PIPELINE PROJECT**  
**NINETEENTH ANNUAL STUDENT RESEARCH SYMPOSIUM**

4:20-8:00 P.M.

THURSDAY, 14 APRIL 2011

SULZBERGER PARLOR, BARNARD HALL

SCHEDULE OF SPEAKERS

- 4:25 Paul E. Hertz, Director of the HSPP  
Welcome
- 4:30 Helene Geramian      Research Mentor: Joshua New, Psychology  
Reading the Lie in the Eyes: Machiavellian Gaze Deception and Perception
- 4:45 Angela Shih      Research Mentor: Koleen McCrink, Psychology  
Spatial Biases for Learning Ordinal Stimuli in American And Israeli Preschoolers
- 5:00 Lina Tran      Research Mentor: Alison Williams, Chemistry  
Determination of DNA Charge Density Parameters for DNA Oligonucleotides
- 5:15 Eve Cremers      Research Mentor: Kristen Shepard, Biological Sciences  
Genetic Markers and Floral Organ Variation in *Spergularia marina* (Caryophyllaceae)
- 5:30 Dominique Keefe      Research Mentor: Krista McGuire, Biological Sciences  
The Ecological Function of Green Roofs in New York City
- 5:45 Aditi Shukla      Research Mentor: Elizabeth Bauer, Biological Sciences  
Locating CRF Receptors in the Rat Amygdala
- 6:00 Jenna Baldachin      Research Mentor: Josh Davis, Psychology  
Can Sensory Simulations Be Used to Regulate Emotion?
- 6:15 Ai-Lin Shao      Research Mentor: Martin Stute, Environmental Science  
Chemistry of Newark Basin Sediments in Context of Vulnerability to a CO<sub>2</sub> Leak
- 6:30 Salima Bahri      Research Mentor: Brian Mailloux, Environmental Science  
Bacterial Survival in a Hudson River Sediment Core
- 6:45 Olga Sokolovskaya      Research Mentors: Marisa Buzzeo & John Magyar, Chemistry  
Overexpression and Characterization of Cytochrome C from a Psychrophilic Marine Bacterium
- 7:00 Marlena Sheridan      Research Mentor: Dina Merrer, Chemistry  
Mechanism of Addition of Dihalocarbenes to Cycloheptyne and 3,3-Difluorocyclooctyne
- 7:15 Patina Lui      Research Mentor: Russell Romeo, Psychology  
The Age- and Experience-Dependent Plasticity of the Stress Response
- 7:30 Allison Foilb      Research Mentor: Russell Romeo, Psychology  
Maturation of Hormonal Stress Responses through Adolescence
- 7:45 Anika Afroz      Research Mentor: John Glendinning, Biological Sciences  
Temperature Effects on Taste in *Manduca sexta*