

HUGHES SCIENCE PIPELINE PROJECT
EIGHTEENTH ANNUAL STUDENT RESEARCH SYMPOSIUM

4:00-8:00 P.M.

THURSDAY, 15 APRIL 2010

JAMES ROOM, BARNARD HALL

SCHEDULE OF SPEAKERS

- 4:10 PAUL E. HERTZ, Director of the HSPP
Welcome
- 4:15 Anne Norrick Research Mentor: Reshmi Mukherjee, Physics and Astronomy
The Double Chooz Neutrino Experiment
- 4:30 Nicolette Cocco Research Mentor: John Glendinning, Biological Sciences
Response of an Insect's Peripheral Taste System to Mixtures of Sweet and Bitter Stimuli
- 4:45 Laura Benton Research Mentor: John Glendinning, Biological Sciences
The Role of Taste in Long-Term Sugar Intake in Mice
- 5:00 Melissa Rodriguez Research Mentor: Lisa Son, Psychology
Remembering to Forget
- 5:15 Salwa Chowdhury Research Mentor: Barbara Woike, Psychology
Effect of Activated Implicit and Explicit Motivations on Stress and Affect
- 5:30 Kimberly Wu Research Mentor: Brian Mailloux, Environmental Science
Developing a Filtering Method for Radioactive Carbon Analysis of Microbial DNA and PLFA from Bangladesh Groundwater
- 5:45 Kamini Doobay Research Mentor: Brian Mailloux, Environmental Science
The Use of Oxalic Acid to Mobilize Arsenic from Contaminated Aquifer Solids from Vineland, New Jersey
- 6:00 Talia Arbit Research Mentor: Brian Mailloux, Environmental Science
Using Male Specific RNA Coliphages as Indicators of Faecal Contamination in Surface and Groundwater of Rural Bangladesh
- 6:15 Marissa Barbaro Research Mentor: Kristen Shepard, Biological Sciences
Genetic Basis of Floral Organ Variation in *Spergularia marina*
- 6:30 Denisse Izquierdo Research Mentor: Matthew Wallenfang, Biological Sciences
Role of the *Methuselah* Gene on The Aging of *D. Melanogaster*
- 6:45 Debbie Chen Research Mentor: Matthew Wallenfang, Biological Sciences
Testing the Effects of Increased Oxidative Stress on Aging of *Drosophila* Germline Stem Cells
- 7:00 Nicole Mizrahi Research Mentor: John Magyar, Chemistry
Overexpression and Purification of Zur from *Prochlorococcus Marinus*
- 7:15 Jenna Bass Research Mentor: John Magyar, Chemistry
Purification of a Putative Metalloregulatory Protein from a Methanogenic Archaeon
- 7:30 Julia Tolentino Research Mentor: Dina Merrer, Chemistry
The Synthesis and Carbene Reactions of Adamantene
- 7:45 Hanna Silva Research Mentor: Larry Heuer, Psychology
The Effects of Group Hierarchical Status and Group Prototypicality on Deservingness of Respectful Treatment