

HUGHES SCIENCE PIPELINE PROJECT

FIFTEENTH ANNUAL STUDENT RESEARCH SYMPOSIUM

4:15-8:00 P.M.

THURSDAY, 19 APRIL 2007

LEHMAN AUDITORIUM, 202 ALTSCHUL

SCHEDULE OF SPEAKERS

- 4:20 PAUL E. HERTZ, Director of the HSPP
Welcome
- 4:30 Vanessa Mewani Research Mentor: Jeanne Poindexter, Biological Sciences
Determination of rRNA Operon Copy Number in the *Caulobacter* Group
- 4:45 Aurora MacRae-Crerar Research Mentor: Jeanne Poindexter, Biological Sciences
The Significance of rRNA Operon Copy Number on Growth Rate in *Caulobacter crescentus* and its Implications for Ecological Strategies of Bacteria
- 5:00 Denise Napolitano Research Mentor: Dina Merrer, Chemistry
Mechanisms of Halocarbene Additions to Cyclooctyne
- 5:15 Jessica Anand Research Mentor: Matthew Birck, Chemistry
Over-expression and Characterization of Guanosine 3',5'-bis(diphosphate) synthetase
- 5:30 Angela Lu Research Mentor: Paul Currie, Psychology
Anxiogenic Action of Ghrelin within Discrete Regions of the Hypothalamus
- 5:45 Naureen Akhter Research Mentor: Reshmi Mukherjee, Physics & Astronomy
Observation of the Active Galaxy 1ES1218+304 with STAGEE
- 6:00 Sabrina Cheng Research Mentor: John Glendinning, Biological Sciences
Oral and Post-Oral Controls of Sweetener Intake
- 6:15 Frans Beltran Research Mentor: John Glendinning, Biological Sciences
Contribution of Oral and Post-Oral Effects of Sweeteners on Intake
- 6:30 Christine Chang Research Mentor: Matt Wallenfang, Biological Sciences
Investigating a mysterious overproliferation of aged germ cells in *D. melanogaster*
- 6:45 Tarnima Ahamed Research Mentor: Matt Wallenfang, Biological Sciences
Changes in cell cycle activity from variations on oxidative stress in male *Drosophila* germline stem cells
- 7:00 Alissa Bindiger Research Mentor: Larry Heuer, Psychology
A Test of the Group Value and Deservingness Models of Fairness
- 7:15 Joan Rho Research Mentor: Lisa Son, Psychology
Source Monitoring and Confidence
- 7:30 Elizabeth Trembath-Reichert Research Mentor: Brian Mailloux, Environmental Science
Carbon Dating and Identification of Bacteria in Bangladesh Groundwater
- 7:45 Emily Sparer Research Mentor: Martin Stute, Environmental Science
Major Anion and Stable Isotope ($\delta^{18}\text{O}$, δD) Composition of Surface Waters in Bangladesh