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 STACEE

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 (δ18O, δD) Composition of Surface Waters in Bangladesh