

**HUGHES SCIENCE PIPELINE PROJECT**  
**TWENTY-THIRD ANNUAL STUDENT RESEARCH SYMPOSIUM**

4:00-7:30 P.M.

WEDNESDAY, 15 APRIL 2015

JAMES ROOM, BARNARD HALL

**SCHEDULE OF SPEAKERS**

- 4:05 Paul E. Hertz, Director of the HSPP  
Welcome
- 4:15 Ashley Brown                      Research Mentor: Christian Rojas, Chemistry  
Preparation of 2-Amido Sugars from D-Glycals for Glycodiversification Studies.
- 4:30 Elizabeth Dalchand              Research Mentor: Dina Merrer, Chemistry  
Phenylchlorocarbene Additions to Diarylcyclooctenes and Diarylcyclooctynes.
- 4:45 Eva Islam                              Research Mentor: John Glendinning, Biological Sciences  
Can Flies Still Taste Foods After They Have Been Swallowed?
- 5:00 Katherine Shek                      Research Mentor: Krista McGuire, Biological Sciences  
Investigating Biotic and Abiotic Factors Structuring Ectomycorrhizal Communities in a Lowland Tropical Rain Forest.
- 5:15 Pooja Patel                              Research Mentor: Rae Silver, Psychology  
The Neural Basis of Underlying Acquisition of Anticipation.
- 5:30 Alyssa Zajac                              Research Mentor: Reshmi Mukherjee, Physica & Astronomy  
Optical Optimization of a New Telescope Array.
- 5:45 Lindsey Bell                              Research Mentor: Elizabeth Bauer, Biological Sciences  
Analysis of Extended Amygdala Circuitry Following Acute SSRI Administration.
- 6:00 Danah Screen                              Research Mentor: Jennifer Mansfield, Biological Sciences  
Mapping the Fate of *Hoxa-5* Expressing Cells in a Mouse Model.
- 6:15 Rory Vinokor                              Research Mentor: Martin Stute, Environmental Science  
Exploring the Stability of SF<sub>5</sub>CF<sub>3</sub> as a Tracer to Determine Transport of Fluids with High CO<sub>2</sub> and H<sub>2</sub>S Concentrations Sequestered into a Geothermal Formation in Iceland.
- 6:30 Erica Mezas                              Research Mentor: Koleen McKrink, Psychology  
Visual Attention and Numerical Ordering.
- 6:45 Betsy Wade                              Research Mentor: Larry Heuer, Psychology  
Why the Harsh Treatment? Deservingness Beliefs in the Interrogation Room.
- 7:00 Simone Norman                              Research Mentor: Robert Remez, Psychology  
The Effect of Spectral Blur on the Resolution of Phonetic Detail Between Talkers.