

**HUGHES SCIENCE PIPELINE PROJECT**  
**TWENTY-FOURTH ANNUAL STUDENT RESEARCH SYMPOSIUM**  
4:00-6:30 P.M.  
THURSDAY, 14 APRIL 2016  
DIANA CENTER, LL104  
SCHEDULE OF SPEAKERS

- 4:05 Paul E. Hertz, Director of the HSPP  
Welcome
- 4:15 Isabella Illari                      Research Mentor: Reshmi Mukherjee, Physics & Astronomy  
Examining the Galaxy for Very High Energy (VHE) Gamma-Rays with VERITAS
- 4:30 Eva Gelernt                      Research Mentor: Koleen McCrink, Psychology  
Category Formation & Spatial Proportions
- 4:45 Katalina Acevedo              Research Mentor: Elizabeth Bauer, Biological Sciences  
Characterization of Extended Amygdala Circuits in Female Rats
- 5:00 Tara Adames                      Research Mentor: Jon Snow, Biological Sciences  
The Effects of the STF-083010 Inhibitor and Chaperone 4-PBA on the Unfolded Protein Response
- 5:15 Daniella Herman              Research Mentor: Peter Balsam, Psychology  
Differential Outcome Paradigm in D2R-OE Mice
- 5:30 Pooja Patel                      Research Mentor: Rae Silver, Psychology  
The Neural Basis Underlying the Acquisition of Anticipation
- 5:45 Elizabeth Karnaukh            Research Mentor: Marisa Buzzeo, Chemistry  
Elucidating Selenium Redox Chemistry on Modified Gold Substrates
- 6:00 Sadia Ahmed                      Research Mentor: Mary Sever, Chemistry  
Oncostatin M Mediated Regulation of MicroRNA-21 Levels in Cancer Cell Lines
- 6:15 Hadil Ayoub                      Research Mentor: Martin Stute, Environmental Science  
The Impact of Hydraulic Fracturing on Groundwater Quality in Northeastern Pennsylvania and Investigation of Methods