URCAD 2004
Poster Presentations

Session I: 9:15 a.m. -11:00 a.m.

Poster Unit #1 Leah Sanford, American Studies
“Modeling Success: A Case Study of the UMBC Meyerhoff Program”
Professor Kendra Wallace, Advisor

Poster Unit #3 Talya Belchatovski, Psychology
“The Influence of Depression on Relationship Satisfaction”
Professor Stanley Feldstein, Advisor

Poster Unit #5 Bogdan Damian, Psychology
“Affect Recognition and Dyadic Adjustment in Romantically Involved Couples”
Professor Stanley Feldstein, Advisor

Poster Unit #7 Megan Smell, Psychology
“Extracurricular Activities and Substance Use Among Adolescents”
Professor Lisa Jordan-Green, Advisor

Poster Unit #9 Justine Wagner, Economics
Undergraduate Research Award Scholar
“Minimum Wages in Costa Rica”
Professor T.H. Gindling, Advisor

Poster Unit #11 Thomas Hsu, Biochemical Engineering
“Phosphate Ion Sensing for Biological Reaction Studies in ATPase Activity”
Professor Leah Tolosa, Advisor

Poster Unit #13 Fiyinfolu Balogun, Biochemistry
“Generation and Characterization of Transgenic Mice with CRE Recombinase Activity in the Prostate”
Professor Charles Bieberich, Advisor

Poster Unit #15 Akua Bonsra, Chemistry
Undergraduate Research Award Scholar
“Boric Acid Atalyzed Epoxide Opening”
Professor Dale Whalen, Advisor

Poster Unit #17 Anthony Hoffman, Physics
“The Use of Change Blocking Layers in Contact Poling to Produce High Electro-optic Coefficients in Polymer Films”
Professor L. Michael Hayden, Advisor
Poster Unit #19  **Sam Merenbloom, Chemistry**  
**Undergraduate Research Award Scholar**  
“Separation and Identification of HIV-1 RNA products using high-performance liquid chromatography (HPLC) and matrix-assisted laser desorption ionization time-of-flight mass spectrometry (maldi-tof-ms)”  
Professor Daniele Fabris, Advisor

Poster Unit #21  **Mariam Rahman, American Studies**  
“‘This is Where I Live’: Documentary Work and Its Impact on Youth Development”  
Professor Dabrina Taylor, Advisor

**Poster Session II**: 11:00 a.m. - 12:45 p.m

Poster Unit #2  **Colin Holter, Music**  
**Undergraduate Research Award Scholar**  
“Composing Sound Surgery I and II: A Creative Process”  
Professor Linda Dusman, Advisor

Poster Unit #4  **Emily Junod, Social Work & Health Administration Policy Program**  
**Undergraduate Research Award Scholar**  
“Lausanne & Baltimore: A Comparative Study of Drug Treatment Services”  
Professor Claudia Lawrence-Webb, Advisor

Poster Unit #6  **Jaelyn Streitfeld, Political Science**  
“China and Taiwan: Economic Independence Despite Political Tension”  
Professor Devin Hagerty, Advisor

Poster Unit #8  **Ian Hall and Leah Her, Biological Sciences**  
“Feeding Behavior in a Model Lepidopteran”  
Professor Frank Hanson, Advisor

Poster Unit #10  **Chris Wells and Alex Bohorquez, Biological Sciences**  
“Crowding in Early Life Causes Deformities in Insects”  
Professor Frank Hanson, Advisor

Poster Unit #12  **Tomasz Macura, Mathematics & Statistics**  
**Undergraduate Research Award Scholar**  
“Mathematical Image Analysis: Sphere Detection”  
Professor Matthias Gobbert, Advisor

Poster Unit #14  **Elizabeth Humphries, Biological Sciences**  
**Undergraduate Research Award Scholar**  
“Parental care in two northern migratory bird species, the Baltimore (Icterus galbula)” and Orchard (I. spurius) Oriole”  
Professor Kevin Omland, Advisor
Poster Unit #16 **AMST 356 Class, American Studies**
Justin D. Lee, Marco A. Alva, Tamzyn Bell, Kristen Bennett, Dalton Cramer, Ed Kapuscinski, Suezette Parkinson, Tara Thomas, Marci Villa, and Tim Williams
“US and Cuba: Bridging the Blockade”
Professor Beverly Bickel, Advisor

Poster Unit #18 **Robert Daber, Biological Sciences**
**Undergraduate Research Award Scholar**
“Identification of Trauma in Humans ”
Professor Brian Bradley, Advisor

Poster Unit #20 **Kevin Allen, Mathematics & Statistics**
**Undergraduate Research Award Scholar**
Professor Matthias Gobbert, Advisor

Poster Unit #22 **Neeraj Kashyap, Computer Science**
**Undergraduate Research Award Scholar**
“Predicting the Difficulty of Constraint Satisfaction Problems”
Professor Marie desJardins, Advisor