

# 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 Catalyzed Epoxide Opening”*

Professor Dale Whalen, Advisor

Poster Unit #17 **Anthony Hoffman, Physics**

*“The Use of Charge 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 **Jaclyn 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, Biocological 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**

*“A Matrix-Free Implementation of the Conjugate Gradient Method for Cluster Computing”*

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