April 28, 2010

Master Roster of Presenters
University Center 3rd Floor

Scroll down to see the presenters from these departments
American Studies
Ancient Studies
Biochemistry
Bioinformatics
Biological Sciences
Chemical Engineering
Chemistry
English
Environmental Science
Fine Arts Recital Hall
Fine Arts 221
Games and Virtual Reality
Gender and Women’s Studies
Health Administration and Public Policy
History
Mathematics
Mechanical Engineering
Modern Languages and Linguistics
Music
Of Interest to English Language Center
Physics
Political Science
Psychology
Sociology
Theatre
Visual Arts
April 28, 2010

**Master Roster of Presenters**

University Center 3rd Floor

**Welcome**

9:00 - 9:15 a.m.

UC 312

Remarks by Elliot Hirshman, Provost, and Lasse Lindahl, Program Director, MARC U*STAR and Chair, Department of Biological Sciences

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**American Studies**

**Oral Presentations**

Student: **JoAnna Gavigan**  
Mentor: **Dr. Carole McCann**  
10:00 - 10:15 a.m.  
UC 312

“Gender and Sexual Identity in the Pursuit of Asylum”

Student: **Katie Dix**  
Mentors: **Dr. Nicole King**  
**Dr. Edward Orser**  
1:45 - 2:00 p.m.  
FA 221


Student: **Cara Gibson**  
Mentor: **Dr. Warren Belasco**  
2:00 - 2:15 p.m.  
FA 221

“Diet Coke: America on a Diet”

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**Ancient Studies**

Student: **Jarrett Farmer**  
Mentor: **Dr. Michael Lane**  
Poster Presentation  
12:30 - 3:00 p.m.  
UC Second Floor

“The Megaron at Pylos: A New Interpretation”

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Student: Catherine Pasqualoni, Christina Ross, Katherine Bentz
Mentor: Dr. Richard Mason

Oral Presentation
11:15 - 11:30 a.m.
UC 310

Exhibit and Discussion
12:00 a.m. - 1:00 p.m.
Library Rotunda

Poster Presentation
12:30 - 3:00 p.m.
University Center 2nd Floor

Biochemistry and Molecular Biology

Oral Presentations, UC 310

Student: Igor Shusterman
Mentor: Dr. Patricio O'Donnell
10:30 - 10:45 a.m.

“Prefrontal Cortex Deficits in a Value-Based Odor-Discrimination Task in a Rat Model of Schizophrenia”

Student: Destiney Buelto
Mentor: Dr. Laundette Jones
2:00 - 2:15 p.m.

“Identification of Brown Adipose Tissue in the Adult Mammary Gland of Brca1-mutant Mice”

Student: Sunaina Khandelwal
Mentor: Dr. Alessio Fasano
2:15 - 2:30 p.m.

“Gliadin is a Chemo-Attractant Factor for Neutrophils”

Poster Presentations, 10:00 a.m. - 12:30 p.m., UC Ballroom

Student: Shawn Barton
Mentor: Dr. Michael Summers

“Confirmation of a Long-Range Interaction in HIV-1 5’-UTR and its Effect on Dimerization”

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Poster Presentations, 10:00 a.m. - 12:30 p.m., UC Ballroom

Student: Richard Brown  Mentor: Dr. Paul Smith
“Polymers for Long-Range Photoinduced Proton Transfer”

Student: Sai Sachin Divakaruni  Mentor: Dr. Michael Summers
“HIV-1 Packaging is Regulated by Long-Range Interaction between the U5 and AUG Regions and its Effect on NC Binding Sites”

Student: Phillip Fitzgerald  Mentor: Dr. Suzanne Ostrand-Rosenberg
“Inflammation Induces Myeloid-Derived Suppressor Cells in the C57BL/6 Mouse Model”

Student: Kimeya Ghaderi  Mentor: Dr. Daniele Fabris
10:00 a.m. - 12:30 p.m
“Development of an Isolation Protocol for in vivo Transcription and Recovery of RNA”

Student: Gowry Kulandaivel  Mentor: Dr. Michael Summers
“Investigating the HIV-1 5'-UTR Structure via Nuclear Magnetic Resonance”

Student: Olivia Nwankwo  Mentor: Dr. Michael Donnenberg
“Integration of GFP into the Chromosome of E. coli Bacteria”

Student: Kevin O'Malley  Mentor: Dr. Paul Smith
“Synthesis of new Heterocyclic Inhibitors of the Helicase of Hepatitis C Virus”

Student: Elizabeth Plum  Mentor: Dr. Richard Karpel
“Aggregation of Potential Drug Delivery Vehicle”

Students: Rashmi Singh, Venkateswaran Ramakrishnan  Mentor: Dr. Michael Summers
“Investigation of the Long-Range Interaction between the U5' and AUG Regions of the HIV-2 5'UTR”

Student: Regina Ulis  Mentor: Dr. Elsa Garcin
“Optimizing Escherichia coli Expression and Solubility of Mammalian Soluble Guanylate Cyclase Constructs”

Student: Robert D. Wardlow II  Mentor: Dr. Terry B. Rogers
“Mesenchymal Stem Cells Provide Protection of Cardiac Ventricular Myocytes by Paracrine Mechanism”

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Master Roster of Presenters
University Center 3rd Floor

Poster Presentations, 12:30 - 3:00 p.m., UC Ballroom

Student: Anissa Alexander  
Mentor: Dr. Christopher Plowe  
“Microsatellite Analysis to Improve the Measurement of Efficacy of Sulfadoxine-Pyrimethamine for the Treatment of Malaria”

Student: Stephanie Battle  
Mentor: Dr. Hua Lu  
“Structure-function Analysis of the Novel Defense Protein SUP3 in Arabidopsis thaliana”

Student: Mohsan Chaudhry  
Mentor: Dr. Ramachandra Hosmane  
“Ring-Expanded Nucleotides/Nucleotides as Potential Anti-Viral and Anti-Cancer Agents”

Student: Laurette Femnou  
Mentor: Dr. Daniele Fabris  
“Investigation of Structure-function Relationship of HIV-1 Reverse Transcriptions by Mass Spectrometry”

Student: Phillip Geter  
Mentor: Dr. Daniele Fabris  
“Structure Elucidation of the HIV-1 5’-UTR Using MS3D”

Student: Sara Kibrom  
Mentor: Dr. Richard Karpe  
“The Correlation Between S100B and Cellular Damage”

Student: Gabrielle McRae  
Mentor: Dr. David Weber  
“Ternary Complexes of Crotamine”

Student: Dina Popovkina  
Mentor: Dr. Scott Thompson  
“Growth Inhibitory Effect of Zoledronic Acid on Breast Cancer Cell Lines”

Student: Nicole Parker  
Mentor: Dr. Jia Bei Wang  
“PKCI/HINT1 Involvement in Morphine Addiction Using Conditioned Place Preference Test”

Student: Christelle Samen  
Mentor: Dr. Violeta Rus  
“IL-21-IL-21R Interactions on Host B Cells, not Donor CD4 Cells, Is Critical for Development of Autoimmune Features in cGVHD”

Student: Patrice Starck  
Mentor: Dr. Michael Summers  
“NMR Analysis of the Conserved Bulge in the Core Encapsulation Signal of Type-C gammaretroviruses”

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Student: Elliot White
Mentor: Dr. Phyllis Robinson
Megan Porter
“Grizzled Opsins”

Student: Melanie Wiley
Mentor: Dr. Erik Lillehoj
“The Role of Human Endogenous Retroviruses (HERVS) in the Pathogenesis of Acute Onset Schizophrenia”

Student: Breanne Wright
Mentor: Dr. Andrea Meredith
“The Effect of Transgenic Manipulation of the BK Channel (Kcnma1) on Circadian Rhythmicity”

Bioinformatics and Computational Biology

Poster Presentations, 12:30 - 3:00 p.m., UC Ballroom

Student: Asa Adadey
Mentor: Dr. Maricel Kann
“Bioinformatics Study of Cancer Mutations: Using Protein Domains to Link Diseases and Mutations”

Student: Joseph Cornish
Mentor: Dr. Ivan Erill
“Computational Methods for the Making of Transcription Factor Binding Sites in Genomic Sequences”

Student: Emily Doughty
Mentor: Dr. Maricel Kann
“Semi-Automatic Method for Mutation Extraction of Cancer Mutations from the Literature”

Student: Gary Thompson
Mentor: Dr. Maricel Kann
“An Improved Approach to Extracting Disease-Related Mutations from Biomedical Literature”

Biological Sciences

Oral Presentations, UC 310

Student: Rachana Haliyur
Mentor: Dr. Margaret McCarthy
10:15 - 10:30 a.m.
“Identifying the Role of Microglia in Sexual Differentiation of the Brain”

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Student: Anupama Divakaruni
Mentor: Dr. Kaveh Ashrafi
10:45 - 11:00 a.m.
“Identifying Components of the AMPK Pathway in C. elegans”

Student: Ruby Jackson-Atogi
Mentor: Dr. Jeff Leips
11:00 - 11:15 a.m.
“The Effect of Prior Experience on Host Foraging Behaviors of a Drosophila Parasitoid”

Student: Priyanka Bushana
Mentors: Dr. Gary Gallia
Dr. Avadhut Joshi
1:45 - 2:00 p.m.
“Small Molecule Inhibitor of Anti-apoptotic Proteins, ABT-737, in GBM Stem Cells”

Student: Lydia Grmai
Mentor: Dr. Suzanne Ostrand-Rosenberg
2:30 - 2:45 p.m.
“Effect of Inflammation on Apoptosis in Myeloid-Derived Suppressor Cells (MDSC) in Breast Cancer”

Poster Presentations, 10:00 a.m. - 12:30 p.m., UC Ballroom

Student: Mikhael Bekkerman
Mentor: Dr. Weihong Lin
“Developmental Occurrence of Solitary Chemosensory Cells in the Airway of Mice”

Student: Ashleigh Bouchelion
Mentor: Dr. Lasse Lindahl
“Implication of Ribosomal Protein on Tubulin Formation”

Students: Stephanie Chan, Asante Hatcher
Mentor: Dr. Weihong Lin
“Effects of Zinc Sulfate Intranasal Irrigation on Semiochemical Sensing in the Mouse”

Student: Kimberly Daniels
Mentor: Dr. Suzanne Ostrand-Rosenberg
“The Role of Interferon Gamma on the Induction and Suppressive Activity of Myeloid-Derived Suppressor Cells”

Student: Asmara Qamar
Mentor: Dr. Janice Zengel
“Isolation and Characterization of Mutations in Ribosomal Proteins L4 and L22 that Confer Ketolide Resistance”

Student: Alexandria Scott
Mentor: Dr. Tamra Mendelson
“Estimating Phylogenetic Divergence Time Between Populations of Western Cutthroat Trout”

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Student: Lana Zhang
Mentor: Dr. Weihong Lin
“TRPM5 Expressed in SCCs is Important in Regulating Chemical Access to the Vomeronasal Organ”

Student: Albert Zhou
Mentor: Dr. Charles Bieberich
“Characterization of Prostate Specific Regulatory Elements in Transgenic Mice”

Poster Presentations, 12:30 - 3:00 p.m., UC Ballroom

Student: Yohance Allette
Mentor: Dr. Lasse Lindahl
“Bioinformatics Study of Cancer Mutations: Using Protein Domains to Link Diseases and Mutations”

Student: Erwin Cabrera
Mentor: Dr. Phyllis Robinson
“Analyzing and Expressing the Visual Pigment Genes of the Astyanax mexicanus”

Student: Patricia Castillo
Mentor: Dr. Alessio Fasano
“Infant Nutrition and Risk of Celiac Disease”

Student: Erwin Cabrera
Mentor: Dr. Phyllis Robinson
“Characterization of Prostate Specific Regulatory Elements in Transgenic Mice”

Students: Christopher Ferguson, Michael Topper, Arunkumar Junuthula, Sameen Raza, Won Woo
Mentor: Dr. Jeff Leips
“Genome Wide Association Tests for Age-Specific Immunocompetence in Drosophila”

Student: Irma Hashmi
Mentor: Dr. Philip Farabaugh
“Role of Ribosomal Protein rps9B in Translational Accuracy”

Student: Lucas Horn
Mentors: Dr. Jeff Leips
Dr. Michelle Starz-Gaiano
“Genetic Controls of Age-Related Phagocytic Ability in Drosophila melanogaster”

Student: Chioma Ihekweazu
Mentor: Dr. Tamra Mendelson
“Evolutionary Patterns of Ultraviolet Reflectance in the genus Etheostoma”

Student: Ammar Jaber
Mentor: Dr. Tatsuya Ogura
“Umami and Bitter Taste Perception in Acetylcholine Receptor M3 Knockout Mice”

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<thead>
<tr>
<th>Student</th>
<th>Mentor</th>
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<tr>
<td>Benyam Kinde</td>
<td>Dr. Andrea Meredith</td>
<td>“Insights into the Molecular Mechanisms of Circadian Rhythm”</td>
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<tr>
<td>Margaret Kott</td>
<td>Dr. Thomas Cronin</td>
<td>“Sequencing of <em>Callinectes sapidus</em> Opsins”</td>
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<tr>
<td>Sonia Metangmo</td>
<td>Dr. John McLenithan</td>
<td>“The Role of Altered Omentin Expression in the Mesothelial Cell Inflammatory Response”</td>
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<tr>
<td>Archana Murali</td>
<td>Dr. Michelle Starz-Gaiano</td>
<td>“Apontic, a Novel Regulator of the JAK/STAT Pathway in <em>Drosophila</em> Testis”</td>
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<tr>
<td>Matthew Murphy</td>
<td>Dr. Kevin Omland</td>
<td>“Which Blackbirds Are Black? The Evolution of Countershading and Temperate Breeding”</td>
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<tr>
<td>Willis Ochieng, Xin Ma</td>
<td>Dr. Jeff Leips</td>
<td>“Genetic Basis of Natural Variation in a Novel Phenotype in <em>Drosophila melanogaster</em>”</td>
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<td>Nana Owusu-Boaitey</td>
<td>Dr. David Scott</td>
<td>“The Utilization of CD20-Specific Lentiviruses for Tolerance Induction”</td>
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<tr>
<td>Kaitlyn Sadtler</td>
<td>Dr. Charles Young</td>
<td>“An Isotachophoretic Method for the Separation and Concentration of DNA and RNA in Food Matrices”</td>
</tr>
<tr>
<td>Lael Scarborough</td>
<td>Dr. Tom Blanchard</td>
<td>“Identifying Difference in Murine TLR Stimulation Between <em>H. pylori</em> and <em>H. felis</em>”</td>
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<td>Christy Thai</td>
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<td>“Mouse Olfactory Bulb Activation Evoked by Ferret Odors”</td>
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<td>Margarita Tsionsky</td>
<td>Dr. Hua Lu</td>
<td>“Characterization of SUP3 Homologues in Arabidopsis defense”</td>
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<td>Dr. Phyllis Robinson</td>
<td>“The Development of a Phospho-null Melanopsin Mutant”</td>
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<td>Aminah Wali</td>
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<td>“Developing a System to Regulate Gene Expression in the Mouse Prostate”</td>
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University Center 3rd Floor

Chemical Engineering

Student: Brian Cottrell, Jon Bollinger, Akanska Raja, Benjamin D'Alessio, Amy Tsai
Mentor: Dr. Mariajose Castellanos
Oral Presentation
1:00 -1:15 p.m.
UC 310

“Development and Optimization of an Iso-octene Production Scheme”

Poster Presentations, 10:00 a.m. – 12:30 p.m., UC Ballroom

Student: Rohan Durbal
Mentor: Dr. Jennie Leach

“Influence of Adhesive Ligand on Mechanical Properties of Polyethylene glycol Hydrogels”

Student: John Haser, Zach Vonder Haar, Neil Agarwal, Colin Kelly, Kevin Poff
Mentor: Dr. Mariajose Castellanos

“Iso-octene Production through MTBE Decomposition and Isobutene Dimerization”

Student: Phillip Kang
Mentor: Dr. Leah Tolosa

“The Development of a Biological Antioxidant Capacity Assay Using Green Fluorescent E. coli”

Student: Dominique Monteil, Phil Cutler, Rohan Durbal, Imhotep Jackson, Hanna Worku, Hannah Wilson
Mentor: Dr. Mariajose Castellanos

“Design of an Ethylbenzene Production Scheme of a Styrene Chemical Plant by Innobox Engineering, Inc.”

Student: Stephanie Pubill
Mentor: Dr. Jennie Leach

“Polyethylene glycol Hydrogels as an in-vitro Model for Neural Tissue Engineering”

Poster Presentations, 12:30 – 3:00 p.m., UC Ballroom

Student: Keisha Carr
Mentor: Dr. Julia Ross

“Analysis of Polymorphonuclear Leukocyte Penetration in Staphylococcus aureus Biofilms”

Student: Ryan Connor

“Modeling the Impact of CNS-derived HIV-1 in the
## Master Roster of Presenters

### Chemistry

**Student:** Nathaniel Kim  
**Mentor:** Dr. Katherine L. Seley-Radtke

**Oral Presentation**  
1:30 - 1:45 p.m.  
UC 310

**“Extended Pyrimidine Nucleoside Analogue: Investigations into DNA Structure and Function”**

### Biology

**Student:** Brittany Earnest  
**Mentor:** Dr. Theresa Good

**“Analysis of the Formation, Stability and Toxicity of Myoglobin Amyloid Fibrils”**

**Student:** Evelyn Ojo  
**Mentor:** Dr. Jennie Leach  
Dr. Julia Ross

**“Effect of Substrate Patterning on *S. aureus* Biofilm Formation”**

**Student:** Michael Pacella, Jason Loiland, Brooke Liebforth, Chijioke Irrechukwu, Fabiola Rincon  
**Mentor:** Dr. Mariajose Castellanos

**“Production of Styrene Monomer from Ethylene and Benzene”**

**Student:** Shelby Vargo  
**Mentor:** Dr. Jennie Leach

**“Effects of Environment Dimensionality on Sensory Neurons Process Outgrowth: 3D Better Mimics in vivo Features”**

**Student:** Melissa Velasquez  
**Mentor:** Dr. Julia Ross  
Dr. Jennie Leach

**“Analysis of Oxygen Levels within *S. aureus* Biofilms Using Fluorescent Microparticles”**

**Student:** Hannah Wilson  
**Mentor:** Dr. Julia Ross

**“The Role of *Staphylococcus aureus* Soluble Biofilm Proteins in Inhibiting Neutrophil Migration”**

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### Poster Presentations, 10:00 a.m. – 12:30 p.m., UC Ballroom

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<td>Dr. Marie-Christine Daniel</td>
<td>“Optimization of Drug Nanocarriers via the Construction of a Stealth Dendron”</td>
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<td>George Cutsail III</td>
<td>Dr. Veronika Szalai</td>
<td>“Copper Amyloid-beta Complex in Alzheimer's Disease”</td>
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<tr>
<td>Cameron Johnson</td>
<td>Dr. Katherine Seley-Radtke</td>
<td>“Design and Synthesis of Unnatural DNA Containing Expanded Purine Analogue”</td>
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<td>Nicholas Pinkin</td>
<td>Dr. Ramachandra Hosmane</td>
<td>“Synthesis of Potential Inhibitors of Thymidylate Synthase Based on Quinazoline Structural Skeleton”</td>
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<tr>
<td>Cristina Teixeira</td>
<td>Dr. William LaCourse, Dr. Aristotle Kalivretenos</td>
<td>“Development of a Food Quality Indicating Sensor”</td>
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<td>Melvin Velasquez</td>
<td>Dr. Katherine Seley-Radtke</td>
<td>“Developing a New Class of Chemotherapeutic Drugs: 2'Deoxy Proximal Flexible Nucleosides”</td>
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<td>“Development of an Assay to Determine the Affinity of the Snake Venom Protein Crotamine for Heparin”</td>
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## Poster Presentations 12:30 – 3:00 p.m.

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University Center 3rd Floor

Student: **Daryl Omire-Mayor**  
Mentor: **Dr. William LaCourse**  
“The Effect of Molecular Characteristics on Sugar Recovery Using *in-vitro* Microdialysis”

Student: **Joseph Ring**  
Mentor: **Dr. Daniele Fabris**  
“Creation and Screening of Second-Generation Peptide Library Targeting HIV-1 Packaging Signal”

Student: **Onajite Shemi**  
Mentor: **Dr. James Polli**  
“An Apical Sodium Bile Acid Transporter (ASBT) Targeted Prodrug Design for Sustained Release of Niacin”

**English**

Student: **Stephanie Tkaczyk**  
Mentor: **Dr. Lucille McCarthy**  
Poster Presentation  
10:00 a.m. - 12:30 p.m  
UC Second Floor  
“Comparing Cognitive Writing Processes Across the World”

Student: **Danielle Viens-Payne**  
Mentors: **Dr. Thomas Field**  
**Dr. Ana Oskoz**  
Oral Presentation  
11:15 - 11:30 a.m., UC 312  
“Crossing Boundaries: Foreign Language Learning for Learning-Disabled Students”

Students: **Kant Klingenstein**  
**Jamyla Williams**  
Mentors: **Ms. Sally Shivnan**  
**Ms. Guenet Abraham**  
10:15 – 11:45 a.m.  
Fine Arts 107  
“*Bartleby 2010*: Image Joins the Written Word in a Convergence of Creative Writing and Art”

Student: **Elizabeth Lynch**  
Mentor: **Ms. Mary Hickernell**  
Poster Presentation  
12:30 - 3:00 p.m., UC 2nd Floor  
“The Challenged Identities of Speakers of World Englishes: Identity Validation as a Strategy to Encourage Bidialectalism”

Student: **Susan Wilmes**  
Mentor: **Dr. Michele Osherow**  
Oral Presentation  
2:15 - 2:30 p.m., UC 312  
“Lemony Snicket as a Gateway to Children's Holocaust Literature”

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Environmental studies

Student: Katherine Melocik
Mentor: Dr. Eugene Parker
Poster Presentation
10:00 a.m. - 12:30 p.m
UC Ballroom

“Archival and Analysis of Sea Ice Thickness in the Arctic Ocean Based on On-Ice in situ Historical Measurements”

Oral Presentations, UC 312

Student: Brandon Cottom
Mentors: Dr. Ali Tokay
Dr. Eric Wilcox
3:15 - 3:30 p.m.

“Driving Forces Behind Himalayan Glacial Melt”

Student: Rebecca Reeves
Mentor: Dr. Christopher Swan
3:30 - 3:45 p.m.

“Spatial Dynamics of the Eastern Mud Turtle Kinosternon subrubrum in a Freshwater Tidal Marsh”

Fine Arts Recital Hall

Theatre and Music

Student: Sarah Paquette
Mentor: Dr. Airi Yoshioka
Artistic Performance
9:30 - 9:50 a.m.

“Back to Bach: A Historically Informed Interpretation of a Gavotte”

Department of Music

Student: Ellen Line
Mentor: Ms. Lynn Watson
9:50 - 10:10 a.m.

“Getting over Tom”

Department of Theatre

Student: Jessica Baker
Mentor: Dr. Alan Kreizenbeck
10:10 - 10:40 a.m.

“Nuns and Sex”

Department of Theatre

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Student: Michal Levitas
Mentor: Mr. David Smith
10:40 - 11:00 a.m.
“Learning the Essence of German Leider and Introducing it to the UMBC Community”
Department of Music

Students: Omar Said, Jessica Baker
Mentor: Dr. Alan Kreizenbeck
11:00 - 11:15 a.m.
“Edwin and His Associates”
Department of Theatre

Fine Arts 221

Film, Animation, and Oral Presentations

Student: Steven Logue
Mentor: Ms. Cathy Cook
Film
1:30 - 1:45 p.m.
“Heinrich Schliemann: Odyssey of the Mind”
Department of Visual Arts

Student: Katie Dix
Mentor: Dr. Nicole King Dr. Edward Orser
Oral
1:45 - 2:00 p.m.
Department of American Studies

Student: Cara Gibson
Mentor: Dr. Warren Belasco
Oral
2:00 - 2:15 p.m.
“Diet Coke: America on a Diet”
Department of American Studies

Student: Patrick Rife
Mentor: Mr. Steve Bradley
Film
2:30 - 2:45 p.m.
“The Cyclical Nature of Obsolescence”
Department of Visual Arts

Student: Glen Fortner
Mentor: Mr. Fred Worden
Film
2:45 - 3:00 p.m.
“Water and Ruins”
Department of Visual Arts

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Game Development and Virtual Reality

Students: Amar Vadalia, Jon J
Mentor: Ms. May Chang
10:00 a.m. - 12:30 p.m
UC Ballroom

“An Interactive Digital Signage System using Windows 7 and a Touch-screen Monitor”

Game Demonstrations, 10:00 a.m. - 3:00 p.m., UC Ballroom: Stage

Students: Juan Carlos Rivera,
Derek Ragos, Teresa Oswald,
John Cservek
Mentor: Mr. Neal McDonald

“Akisakio”

Student: Chris Cromwell
Mentor: Mr. Neal McDonald

“Titan Climber”

Students: John Perry, Alex
Ehrensberger, Eric Wasser
Mentor: Dr. Neal McDonald

“Dead Fall”

Game Demonstrations, 10:00 a.m. - 3:00 p.m.

Students: Eve Addison, Stephen
Steinbach, Robert Donahue,
Mary Lewis, Nathaniel Wise
Mentor: Mr. David McDonald
UC 115

“Slug”

Students: Timothy Bubb,
Maxwell Hathaway, Rachel
Kreutzinger, Alex Ehrensberger,
Jenna Ullrich, Bradley Tinney,
Abby Salvo, Shane Logue, Elena
Debold
Mentor: Mr. Neal McDonald

“UMBC IRC Fellows iPhone Strategy Game”

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Game Demonstrations, 12:30 - 3:00 p.m.

Students: Jonathan Merkle, Matthew Song, Kevin Kemp, Justin Wall
Mentor: Mr. Neal McDonald
12:30 - 3:00 p.m.
UC Second Floor

“Brink of Reality: A Power Defense Game”

Student: UMBC Game Developer's Club
Mentor: Mr. Neal McDonald
12:30 - 3:00 p.m.
UC Ballroom

“Video Game Development”

Gender and Women’s Studies

Student: Sabah Ghulamali
Mentor: Dr. Sarah Chard
Poster Presentation
12:30 - 3:00 p.m.
UC Ballroom

“Exploring Students' Knowledge and Perceptions of Sexual Assault Resources On-Campus”

Oral Presentations, UC 312

Students: Abigail Granger, Jennifer Keeter
Mentor: Dr. Jodi Kelber-Kaye
9:30 - 9:45 a.m.

“The Global Women's Health Action: Putting Intersectionality into Practice”

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April 28, 2010

Master Roster of Presenters
University Center 3rd Floor

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Student: **JoAnna Gavigan**  
Mentor: **Dr. Carole McCann**  
10:00 - 10:15 a.m.  
“Gender and Sexual Identity in the Pursuit of Asylum”

Student: **Sarah Solomon**  
Mentor: **Dr. Gloria Chuku**  
10:15 - 10:30 a.m.  
“No Development Without Girls: Gender, Development and Youth Activism in Mali”

Student: **Erick Geil**  
Mentor: **Dr. Ilsa Lottes**  
10:30 - 10:45 a.m.  
“Variations in Perceptions of Sexual Misconduct by Gender”

Student: **Scott Gautney**  
Mentor: **Dr. Thomas Field**  
10:45 - 11:00 a.m.  
“Cultural Effects on the Gay Male Lexicon”

Student: **Avery Brow**  
Mentor: **Dr. Ilsa Lottes**  
11:00 - 11:15 a.m.  
“Gay Male Domestic Violence: A Quantitative Analysis”

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**Health Administration and Public Policy**

Student: **Danielle Chestang**  
Mentor: **Dr. Judah Ronch**  
Poster Presentation  
10:00 a.m. - 12:30 p.m  
UC Ballroom  
“Impact of Images in Advertisements on Older Adults”

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**Poster Presentations, UC Second Floor**

Students: **Shellon George,**  
**Stephanie Gitukui,**  
**Phillip-Alexander Downie**  
Mentor: **Dr. Andrea Kalfoglou**  
“Promoting Healthy Eating Among Children”

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Master Roster of Presenters
University Center 3rd Floor
10:00 a.m. - 12:30 p.m.

Students: Areej Kuraishi, Phillips Khuu, Thy Ma
Mentor: Dr. Andrea Kalfoglou
10:00 a.m. - 12:30 p.m

“Port Discovery Exhibit: Promoting Sun Safety Among Today's Youth”

Student: Sana Waheed
Mentor: Dr. Andrea Kalfoglou
10:00 a.m. - 12:30 p.m

“Should I Take my Meds or Not? : Pregnant Women's Decision Making About the Use of Antidepressant Drugs”

Student: Desiree Johnson
Mentor: Dr. Andrea Kalfoglou
12:30 - 3:00 p.m.

“Hand Washing for Children”

Oral Presentations, UC 310 and 312

Student: Melissa Chapman
Mentor: Dr. Andrea Kalfoglou
UC 312
1:30 - 1:45 p.m.

“Ashkenazi Young Adults' Knowledge, Attitudes, and Beliefs about Carrier Testing”

Student: Richard Blissett
Mentor: Dr. Andrea Kalfoglou
UC 312
1:45 - 2:00 p.m.

“The Business of Marketing Preimplantation Genetic Screening”

Student: Michael Jenkins
Mentors: Dr. Andrea Kalfoglou
Dr. Roland Thorpe
Dr. Thomas LaVeist
UC 310
3:00 - 3:15 p.m.

“Racial Disparities in Hypertension Awareness and Management”

History

Student: Abigail Bratcher
Mentor: Dr. Anne Rubin
Poster Presentation

“Reclaiming Maryland: Confederate Nationalism in Popular Print Culture”

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Master Roster of Presenters
University Center 3rd Floor
10:00 a.m. - 12:30 p.m
UC Ballroom

Student: Megan Hardy
Mentor: Dr. Michelle Scott
Oral Presentation
11:30 - 11:45 a.m.
UC 310

“Harlem at its Best: Popular Culture, Nightlife Venues and Emergence of a Queer Subculture during the Harlem Renaissance”

Management of Aging Services

Student: Danielle Chestang
Mentor: Dr. Judah Ronch
Poster Presentation
10:00 a.m. - 12:30 p.m
UC Ballroom
Poster Presentation

“Impact of Images in Advertisements on Older Adults”

Mathematics

Poster Presentations, 10:00 a.m. - 12:30 p.m., UC Ballroom

Student: Geoffrey Clapp
Mentor: Dr. Kathleen Hoffman

“Modeling Sensory Input to the Lamprey Spinal Cord”

Student: Gregory Handy
Mentor: Dr. Bradford Peercy

“Extending the IP3 Receptor Model to Include Competition with Partial Agonists”

Student: Immanuel Williams
Mentor: Dr. Jinglai Shen

“An Approach to Lowering Gang Levels”

Oral Presentation

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Master Roster of Presenters
University Center 3rd Floor

Student: Alexandria Volkening
Mentor: Dr. Jonathan Bell
Oral Presentation
1:15 - 1:30 p.m.
UC 312

“A Mathematical Model of Vulnerable Plaque Growth and Rupture”

Mechanical Engineering

Poster Presentations, 10:00 a.m. - 12:30 p.m., UC Ballroom

Student: Timi Fadiran
Mentor: Dr. Timmie Topoleski
“Characterizing Fracture Force of Hyoid Bone: Investigation of Suicides and Homicides”

Student: Joshua Francois
Mentor: Dr. Charles Eggleton
“Computational Modeling of Atomic Force Microscopy Tip Loading and Unloading on a Biological Cell”

Student: Jessandra Hough
Mentor: Dr. Liang Zhu
“Temperature Elevations in Extracted Teeth Induced by a System B Heating Catheter”

Student: Anand Patel
Mentor: Dr. Timmie Topoleski
“Friction Testing of Materials Used in Artificial Joints”

Modern Language and Linguistics

Oral Presentations, UC 312

Student: Scott Gautney
Mentor: Dr. Thomas Field
10:45 - 11:00 a.m.

“Cultural Effects on the Gay Male Lexicon”

Student: Danielle Viens-Payne
Mentors: Dr. Thomas Field, Dr. Ana Oskoz
11:15 - 11:30 a.m.

“Crossing Boundaries: Foreign Language Learning for Learning-Disabled Students”

Music

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Master Roster of Presenters
University Center 3rd Floor

Music Presentations, Fine Arts Recital Hall

Student: Sarah Paquette  
Mentor: Dr. Airi Yoshioka  
9:30 - 9:50 a.m.  
“Back to Bach: A Historically Informed Interpretation of a Gavotte”

Student: Michal Levitas  
Mentor: Mr. David Smith  
10:40 - 11:00 a.m.  
“Learning the Essence of German Leider and Introducing it to the UMBC Community”

Oral Presentations, UC 312

Student: Shane Parks  
Mentor: Dr. Anna Rubin  
9:15 - 9:30 a.m.  
“A Thematic Analysis of Stephen Schwartz Children of Eden”

Student: Meghan Sommers  
Mentor: Dr. Joseph Morin  
2:45 - 3:00 p.m.  
UC 312  
“Medieval and Renaissance Shawms: An Exploration of Embouchure”

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Master Roster of Presenters
University Center 3rd Floor

**Interest to the ELC**

**Music Presentations, Fine Arts Recital Hall**

Student: Sarah Paquette  
Mentor: Dr. Airi Yoshioka  
9:30 - 9:50 a.m.  
“Back to Bach: A Historically Informed Interpretation of a Gavotte”

**Film Screening, Fine Arts 221**

Student: Glen Fortner  
Mentor: Mr. Fred Worden  
2:45 - 3:00 p.m.  
“Water and Ruins”

**Artistic Exhibits, 10:00 a.m. - 3:00 p.m., UC 115**

Student: Sara Allen  
Mentor: Dr. Preminda Jacob  
“The Art of Biology”

Students: Benjamin Hong, Sarah Carney  
Mentor: Dr. Preminda Jacob  
“Virtual Museum: Glass: The Transparent Connection Between Art and Science”

Students: Franki Trout, Daniell-Vines Payne, Kelly-Lynne Russell  
Mentor: Dr. Preminda Jacob  
“Virtual Museum: Life as a Dance”

**Poster Presentations, UC Second Floor**

Student: Gillian Yeadon  
Mentor: Dr. Carolyn Forestiere  

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Master Roster of Presenters
University Center 3rd Floor
10:00 a.m. - 12:30 p.m.

Student: Stephanie Tkaczyk
Mentor: Dr. Lucille McCarthy
10:00 a.m. - 12:30 p.m.
“Comparing Cognitive Writing Processes Across the World”

Student: Elizabeth Lynch
Mentor: Ms. Mary Hickernell
12:30 - 3:00 p.m.
“The Challenged Identities of Speakers of World Englishes: Identity Validation as a Strategy to Encourage Bidialectalism”

Poster Presentations, 10:00 a.m. - 12:30 p.m., UC Ballroom

Student: Annah Seo
Mentor: Dr. Charissa Cheah
“Examining Parental Acculturation, Socialization Goals, and the Development of Korean Immigrant Children”

Student: Immanuel Williams
Mentor: Dr. Jinglai Shen
“An Approach to Lowering Gang Levels”

Student: Rebecca Zia
Mentor: Dr. Charissa Cheah
“Maternal Depressive Symptoms, Parent-Child Relationships, and Children's Peer Problems in Chinese Immigrants”

Poster Presentations, 12:30 - 3:00 p.m., UC Ballroom

Student: Momoka Watanabe
Mentor: Dr. Charissa Cheah
“An Ecological Examination of Psychological Control in Korean Immigrant Families”

Oral Presentations, UC 310 and UC 312

Student: Victory Mohamed
Mentor: Dr. Devin Hagerty
9:30 - 9:45 a.m., UC 310

Student: Megan Hardy
Mentor: Dr. Michelle Scott
Oral Presentation
11:30 - 11:45 a.m., UC 310
“Harlem at its Best: Popular Culture, Nightlife Venues and Emergence of a Queer Subculture during the Harlem Renaissance”
April 28, 2010

Master Roster of Presenters
University Center 3rd Floor

Student: Sarah Solomon
Mentor: Dr. Gloria Chuku
10:15 - 10:30 a.m., UC 312

“No Development Without Girls: Gender, Development and Youth Activism in Mali”

Student: Danielle Viens-Payne
Mentors: Dr. Thomas Field
Dr. Ana Oskoz
11:15 - 11:30 a.m., UC 312

“Crossing Boundaries: Foreign Language Learning for Learning-Disabled Students”

Student: Vivian Ekey
Mentor: Dr. Sara Poggio
11:30 - 11:45 a.m., UC 312

“Afro-Porteño Identity Today”

Student: Christa Kizito
Mentor: Dr. Carolyn Forestiere
2:00 - 2:15 p.m., UC 312

“Women's Representation in sub-Saharan Africa”

Student: Michael Jenkins
Mentors: Dr. Andrea Kalfoglou
Dr. Roland Thorpe
Dr. Thomas LaVeist
3:00 - 3:15 p.m., UC 310

“Racial Disparities in Hypertension Awareness and Management”

Student: Tahira Mahdi
Mentor: Dr. Shawn Bediako
3:30 - 3:45 p.m., UC 310

“Deconstructing the Nerd: Visual Acuity and Need for Cognition in Adults”

Oral Presentations, FA 221

Student: Katie Dix
Mentors: Dr. Nicole King
Dr. Edward Orser
1:45 - 2:00 p.m.


Student: Cara Gibson
Mentor: Dr. Warren Belasco
2:00 - 2:15 p.m.

“Diet Coke: America on a Diet”

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Master Roster of Presenters
University Center 3rd Floor

Physics

Poster Presentations, 10:00 a.m. - 12:30 p.m., UC Ballroom

Student: David Mason
Mentors: Dr. Zaven Arzoumanian, Dr. Keith Gendreau
“Simulation Software for the Chromatic Mineral Identification and Surface Texture (CMIST) Instrument”

Student: Naomi Wolford
Mentors: Dr. Manfredo Tabacniks, Dr. J. Vanderlei Martins
“Examining Cloud Microphysics and Thermodynamics in the Laboratory”

Poster Presentation, 12:30 - 3:00 p.m., UC Ballroom

Student: Jaime Compton
Mentor: Mr. Ruben Delgado
“Determination of Planetary Boundary Layer for Air Quality Forecasting”

Students: James Gerity, Tyler Schmitz
Mentor: Dr. J. Vanderlei Martins
“Cloud-CubeSat - Designing a Picosatellite”

Political Science

Oral Presentations, UC 310 and UC 312

Student: Sonia Siddiqui
Mentor: Dr. Brigid Starkey
9:15 - 9:30 a.m.
UC 310
“The Tunisian Paradox - the Exceptional Case of Stability in the Middle East and North African Region”

Student: Victory Mohamed
Mentor: Dr. Devin Hagerty
9:30 - 9:45 a.m.
UC 310

Student: Gavin Way
Mentor: Dr. Brian Grodsky
“The Erosion of Control: The Effects of Duration of Conflict on a State's Human Rights Policy”

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Master Roster of Presenters

University Center 3rd Floor

9:45 - 10:00 a.m.
UC 310

Student: Gabrielle Wyatt
Mentor: Dr. George La Noue
10:00 - 10:15 a.m.
UC 310

“Homeless Children and the Foreclosure Crisis: Implications of the McKinney-Vento Act”

Student: Christa Kizito
Mentor: Dr. Carolyn Forestiere
2:00 - 2:15 p.m.
UC 312

“Women's Representation in sub-Saharan Africa”

Poster Presentations, 10:00 a.m. - 12:30 p.m., UC Ballroom

Student: Wayne Heavener
Mentor: Dr. Jeffrey Davis

“Consensus and Legitimacy in Supreme Court Opinions”

Student: Christopher O'Reilly
Mentor: Dr. Simon Stacey

“Nightingales”

Student: Kathryn Papagjika
Mentor: Dr. Thomas Schaller

“Sociodemographics and their Influence on Voting Behavior on Abortion Policy at the Maryland General Assembly”

Poster Presentations, University Center Second Floor

Student: Betty Irungu
Mentor: Dr. Tyson King-Meadows
10:00 a.m. - 12:30 p.m

“An Analysis of Ethnic Identity in the 2007 Kenyan General Election”

Student: Gillian Yeadon
Mentor: Dr. Carolyn Forestiere
10:00 a.m. - 12:30 p.m


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Master Roster of Presenters
University Center 3rd Floor

Student: David Pourshoushtari
Mentor: Dr. Tyson King-Meadows
12:30 - 3:00 p.m.

“Justice Sotomayor and the Legitimacy of the Supreme Court”

Psychology

Oral Presentations, UC 310 and 312

Student: Rebecca Mullan
Mentor: Dr. Diane Alonso
2:45 - 3:00 p.m.
UC 310

“Conquering Visual Perceptions: An Exploration in Effective Media Literacy Strategies for Pre-Adolescents”

Student: Michael Jenkins
Mentors: Dr. Andrea Kalfoglou
Dr. Roland Thorpe
Dr. Thomas LaVeist
3:00 - 3:15 p.m.
UC 310

“Racial Disparities in Hypertension Awareness and Management”

Student: Areej Kuraishi
Mentor: Dr. Charissa Cheah
3:15 - 3:30 p.m.
UC 310

“Adolescent Father's Parenting: Effects of the Mother-Father and Mother-Grandmother Relationships”

Student: Tahira Mahdi
Mentor: Dr. Shawn Bediako
3:30 - 3:45 p.m.
UC 310

“Deconstructing the Nerd: Visual Acuity and Need for Cognition in Adults”

Student: Melissa Chapman
Mentor: Dr. Andrea Kalfoglou
1:30 - 1:45 p.m.
UC 312

“Ashkenazi Young Adults' Knowledge, Attitudes, and Beliefs about Carrier Testing”

Poster Presentations, 10:00 a.m. - 12:30 p.m., UC Ballroom

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Master Roster of Presenters
University Center 3rd Floor

Student: David Chen  
Mentor: Dr. Anne Brodsky  
“Beyond the Sophistication of Advanced Statistical Procedures in Psychology”

Student: Wendy Gaultney  
Mentor: Dr. Lynnda Dahlquist  
“A Review of Educational Materials for Parents of Food Allergic Children”

Student: Lauren Hall  
Mentor: Dr. Lynnda Dahlquist  
“Peer Interactions and Social Competence of Young Food-Allergic Children”

Student: Annah Seo  
Mentor: Dr. Charissa Cheah  
“Examining Parental Acculturation, Socialization Goals, and the Development of Korean Immigrant Children”

Student: Rebecca Zia  
Mentor: Dr. Charissa Cheah  
“Maternal Depressive Symptoms, Parent-Child Relationships, and Children’s Peer Problems in Chinese Immigrants”

Student: Lauren Long  
Mentor: Dr. Bernard Rabin  
“Effects of Exposing Rats to Types of Radiations Encountered in Space on Cognitive Performance”

Poster Presentations, 12:30 - 3:00 p.m., UC Ballroom

Student: Angelica Alexander  
Mentors: Ms. Laura Scaletti Maureen Black  
“Parental Sense of Competence at Two-years of Age and Child Internalizing and Externalizing Behavior Problems at Age Four”

Student: Anu Aluvathingal  
Mentor: Dr. Laura Stapleton  

“Parental Depression in Toddlerhood and Child Growth from Two to Four Years of Age”

Student: Anna Ramirez  
Mentors: Ms. Laura Scaletti Maureen Black

Student: Carrie Strachan  
Mentors: Ms. Laura Scaletti Maureen Black  
“Toddler Temperament and Parental Depression: Predictors of Poor Emotional Functioning at Age Seven”

Student: Monica Tith  
“Caregiver Negative Life Events and Coping with Stress

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Master Roster of Presenters
University Center 3rd Floor

Mentors: Ms. Laura Scaletti
Maureen Black

Student: Momoka Watanabe
Mentor: Dr. Charissa Cheah
“An Ecological Examination of Psychological Control in Korean Immigrant Families”

Student: Crystal White
Mentors: Ms. Laura Scaletti
Maureen Black
“Father Absence: A Risk Factor for Developing Behavior Problems in Childhood”

Sociology

Poster Presentations

Students: Areej Kuraishi, Philips Khuu, Thy Ma
Mentor: Dr. Andrea Kalfoglou
10:00 a.m. - 12:30 p.m
UC Second Floor

Student: Maria Beckford
Mentor: Dr. Ilsa Lottes
12:30 - 3:00 p.m.
UC Ballroom

“Port Discovery Exhibit: Promoting Sun Safety Among Today's Youth”

“Low-Income Women's Perceptions of the Quality of Their Infant Care: Supports and Barriers”

Oral Presentations, UC 312

Student: Erick Geil
Mentor: Dr. Ilsa Lottes
10:30 - 10:45 a.m.

“Variations in Perceptions of Sexual Misconduct by Gender”

Student: Avery Brow
Mentor: Dr. Ilsa Lottes
11:00 - 11:15 a.m.

“Gay Male Domestic Violence: A Quantitative Analysis”

Student: Richard Blissett
Mentor: Dr. Andrea Kalfoglou
1:45 - 2:00 p.m.

“The Business of Marketing Preimplantation Genetic Screening”

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**Theatre**

Theatre Presentations, Fine Arts Recital Hall

Student: Ellen Line  
Mentor: Ms. Lynn Watson  
9:50 - 10:10 a.m.  
FA Recital Hall

Student: Jessica Baker  
Mentor: Dr. Alan Kreizenbeck  
10:10 - 10:40 a.m.  
“Nuns and Sex”

Student: Omar Said, Jessica Baker  
Mentor: Dr. Alan Kreizenbeck  
11:00 - 11:15 a.m.  
“Edwin and His Associates”

**Visual Arts**

Bartleby, 10:15 - 11:45 a.m., Fine Arts 107

Students: Kant Klingenstein, Jamyla Williams  
Mentor: Ms. Sally Shivnan  
Ms. Guenet Abraham  
“Bartleby 2010: Image Joins the Written Word in a Convergence of Creative Writing and Art”

Student: Amar Vadalia, Jon J. Schubbe  
Mentor: Ms. May Chang  
10:00 a.m. - 12:30 p.m.  
“An iKiosk System Using Windows7 and a Touch-screen Monitor”

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University Center 3rd Floor
UC Ballroom

Game Demonstrations, 10:00 a.m. - 3:00 p.m., University Center

Students: Eve Addison, Stephen Steinbach, Robert Donahue, Mary Lewis, Nathaniel Wise
Mentor: Mr. David McDonald
UC 1st Floor

Students: Timothy Bubb, Maxwell Hathaway, Rachel Kreutzinger, Alex Ehrensberger, Jenna Ullrich, Bradley Tinney, Abby Salvo, Shane Logue, Elena Debold
Mentor: Mr. Neal McDonald
UC Ballroom Lobby

Students: John Perry, Alex Ehrensberger, Eric Wasser
Mentor: Dr. Neal McDonald

Students: Juan Carlos Rivera, Derek Ragos, Teresa Oswald, John Cservek
Mentor: Mr. Neal McDonald

Artistic Exhibits, 10:00 a.m. - 3:00 p.m., UC 115

Student: Sara Allen
Mentor: Dr. Preminda Jacob

Students: Benjamin Hong, Sarah Carney
Mentor: Dr. Preminda Jacob
April 28, 2010

Master Roster of Presenters
University Center 3rd Floor

Students: Franki Trout, Danielle-Vines Payne, Kelly-Lynne Russell
Mentor: Dr. Preminda Jacob

“Virtual Museum: Life as a Dance”

Poster Presentation, 12:30 - 3:00 p.m. UC Ballroom

Student: Michelle Renay Wilson
Mentor: Ms. Calla Thompson

“Male Breast Cancer: Three Portraits”

Film and Animation, Fine Arts 221

Student: Steven Logue
Mentor: Ms. Cathy Cook
1:30 - 1:45 p.m.

“Heinrich Schliemann: Odyssey of the Mind”

Student: Patrick Rife
Mentor: Mr. Steve Bradley
2:30 - 2:45 p.m.

“The Cyclical Nature of Obsolescence”

Student: Glen Fortner
Mentor: Mr. Fred Worden
2:45 - 3:00 p.m.

“Water and Ruins”

Oral Presentation, UC 312

Student: Elizabeth Scott
Mentor: Mr. Joseph Coates
3:00 - 3:15 p.m.

“The Effect of Nationalism on Czech Design”

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