Master Roster of Presenters by Department



University Center 3rd Floor

Scroll down for all URCAD 2009 presentations by department or program in alphabetical order

American Studies

Ancient Studies

Biochemistry

Bioinformatics

Biological Sciences

Chemical Engineering

Chemistry

Computer Engineering

Computer Science

Dance

English

Environmental Science

Health Administration and Policy

History

Information Systems

Inter-Disciplinary Studies

Mathematics

Mechanical Engineering

Modern Languages and Linguistics

Music

Philosophy

Physics

Political Science

Psychology

Social Work

Visual Arts

Scroll down to see individual department and program listings.

Master Roster of Presenters by Department

UNDERGRADUATE Research & Creative

University Center 3rd Floor

American Studies

Student: Susan Kane Mentor: Dr. Kathy Bryan

UC 312

1:45 - 2:00 p.m.

American Reservation Schools: The Seminole Nation"

Student: Alexandra Hyland Mentor: Dr. Jason Loviglio

UC 312

2:00 p.m. - 2:15 p.m.

"The Baltimore Girl: An Experiment in Sustainable Living"

"Designing Culturally-Sensitive Curricula in Native

Ancient Studies

Students: Cally Brandt and

Sarah Rvan

Mentor: Dr. Richard Mason

UC Ballroom 12:30 - 3:00 p.m. "Ways of Seeing" - Looking at The Creative Photograph in Archaeology Exhibit in the Albin O. Kuhn Library Gallery"

Biochemistry

Oral Presentations

Student: Dina Popovkina Mentor: **Dr. Scott Thompson**

11:00 - 11:15 a.m. in UC 312

Student: Olufolakemi Awe

Mentor: **Dr. Michael Donnenberg**

1:30 - 1:45 p.m. in UC 310

"The Effect of Corticosterone and trkB Receptor **Downregulation on Dendritic Spine Density"**

"Analyzing the Interaction Partners, BfpU and BfpA, of the Bundlin Forming Pilus of Enteropathogenic E. coli (EPEC)"

Student: Sunaina Khandelwal Mentor: Dr. Alessio Fasano 1:45 - 2:00 p.m. in UC 310

"PBMC from a Subpopulation of Celiac Patients Respond to Gliadin with Interleukin-8 Production that is **CXCR3-Dependent**"

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

Student: Maria Beckford Mentor: Dr. Katherine Radtke "Synthesis of a Flexible Carboxycyclic Nucleoside"

Sponsored by the Office of Undergraduate Education

Master Roster of Presenters by Department

UNDERGRADUATE
Research & Creative
Achievement Day

University Center 3rd Floor

Student: **Bilguujin Dorjsuren** Mentor: **Dr. Michael Summers** "Investigation of the Existence of a Possible RNA Long-Range Interaction in the 5'-Untranslated Region of the HIV-1 Genome"

Student: Sara Kibrom

Mentor: Dr. Richard Karpel

Student: Gabrielle McRae Mentor: Dr. Donna Farber

Student: **Nirav Shelat** Mentor: **Dr. Allen Bush**

Student: **Daniel Shook**

Mentor: Dr. Richard Karpel

Student: **Tesia Stephenson** Mentor: **Dr. Orna Cohen-Fix**

"Crotamine Interaction with Polysaccharides and Ternary Complex Formation"

"The Effect of Toll-Like Receptors on Dendritic Cell Activity and T-Cell Activation"

"Structural Development of *Streptococcus oralis* YC1 Polysaccharide through NMR Spectroscopy"

"Analysis of DNA Binding Amino acids of Gene 32 Protein and Crotamine by Mass Spectroscopy"

"Identifying Novel Cell Cycle Regulators in Budding Yeast"

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

Student: **Anissa Alexander**Mentor: **Dr. Christopher Plowe**

Student: **Stephanie Battle** Mentor: **Dr. Hua Lu**

Student: Destiney Buelto Nkechinyere A.

Emezienna

Mentor: Dr. Laundette Jones

Student: Mohsan Chaudhry

Mentor: Dr. Ramachandra Hosmane

Student: **Nwamaka Dike** Mentor: **Dr. Bret Hassel**

Student: Monique Foster Mentor: Dr. Veronika Szalai "The Serine Repeat Antigen5: A Promising Malaria Vaccine Candidate"

"Structure-Function Analysis of the Novel Defense Protein SUP3 in *Arabidopsis thaliana*"

"Characterization of Brown Adipose Tissue in the Adult Mammary Gland of Brca1-Mutant Mice"

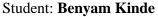
"Ring-Expanded Nucleotides/Nucleosides as Potential Anti-Viral and Anti-Cancer Agents"

"Regulation of the Antiviral Tumor Suppressor RNase-L by MicroRNAs"

"Impact of Cu(I) Binding to Amyloid-beta in Alzheimer's Disease"

Master Roster of Presenters by Department

University Center 3rd Floor



Mentor: Dr. Michael Summers

Student: Gowry Kulandaivel Mentor: Dr. Michael Summers

Student: Jessica Michaels

Mentor: Dr. Ramachandra Hosmane

Student: Christelle Samen Mentor: Dr. Violeta Rus

Student: Tanu Sharma

Mentor: Dr. Phyllis Robinson

Student: **Igor Shusterman**Mentor: **Dr. Patricio O'Donnell**

Bioinformatics

Student: Mayukh Chakrabarti Mentor: Dr. Tomoshige Kino 9:30 - 9:45 a.m. UC 312

Student: Asa Adadey Mentor: Dr. Maricel Kann 12:30 - 3:00 p.m.

UC Ballroom

Student: Richard S.L. Blissett Mentor: Dr. Maricel Kann

12:30 - 3:00 p.m. UC Ballroom

Student: Albert Kung Mentor: Dr. Ivan Erill 12:30 - 3:00 p.m. UC Ballroom



"An NMR Protocol for the High-Resolution Structure Determination of Large RNAs"

"Disproving the Existence of an Interaction Between the Primer Binding Site and the SL4 Stemloop of the HIV-1 RNA Genome"

"Novel Site Directed Affinity Reagent for Cross-Linking Human Hemoglobin: A Tetra-Aldehyde Cross-Linking Reagent"

"IL-21 is Increased in CD4⁺ T Cells and Serum of Patients with SLE"

"Searching for the Counterion to the Protonated Schiff Base in Melanopsin"

"Prefrontal Cortex Deficits in a Delay Odor Discrimination Task in a Rat Model of Schizophrenia"

"Mechanism of Action of the CDK5-GR-APP Pathway in Beta-Amyloid Production and Alzheimer's Disease Pathogenesis"

"Computational Methods for Linking Domain Loss or Substitution in Alternative Splicing Variants with Diseases"

"Optimization of Species Selection for Genome-Wide Application of the Mirrortree Method"

"Training a Neural Network to Detect Binding Sites Based on Bendability and Curvature Information"

Master Roster of Presenters by Department



University Center 3rd Floor

Biological Sciences

Oral Presentations

10:30 - 10:45 a.m.

UC 312

Student: Jessica McGrath

Mentor: Dr. Michael Summers

"The Relationship Between the Structure of the FIV Matrix Protein and its Ability to Target the Plasma

Membrane"

10:45 - 11:00 a.m.

UC 312

Student: Tamika John

Mentor: Dr. Lasse Lindahl

"Investigating the Role of RORgammaT in Human Th17 Cell Differentiation"

11:00 - 11:15 a.m.

UC 312

Student: Dina Popovkina

Mentor: Dr. Scott Thompson

"The Effect of Corticosterone and trkB Receptor **Downregulation on Dendritic Spine Density"**

11:15 - 11:30 a.m.

UC 312

Student: Sasan Salimian Mentor: Dr. Hua Lu

"Exploiting acd6-1 in Dissection of Defense Signaling

Networks in Arabidopsis"

2:15 - 2:30 p.m.

UC 310

Student: Melissa Chapman

Mentor: Dr. Andrea Kalfoglou

"To Tell or not to Tell: The Ethical Dilemma of Carrier **Testing for Gaucher's Disease"**

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

Student: **Brook Asamenew** Mentor: **Dr. Charles Bieberich** "Analysis of the c-Myc Transcription Factor in Mouse

Models of Prostate Cancer"

Student: Irene Cho Mentor: **Dr. Jeff Leips** "The Effects of S6K Gene on Immune Response in Drosophila melanogaster"

Student: **Ejiofor Ezekwe and**

Ramon Cabrera

Mentor: **Dr. Weihong Lin**

"Irritant-Induced Proliferation of Presumed Solitary Chemosensory Cells in the Airway"

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Master Roster of Presenters by Department



University Center 3rd Floor

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

Student: Whitney Fields "Localization of Myo1 in Saccharomyces cerevisiae Mentor: Dr. Janice Zengel Mutants with a Mulit-budded Phenotype" Student: Phillip Fitzgerald "Increased Expression of SOCS1 by HIV-1 Transgenic Mentor: Dr. William Reid **Rats: A Mechanism for Dysregulated T Helper-1** Responses" Student: Chioma Ihekweazu "Production of an EMMPRIN Murine Immunoglobulin Mentor: Dr. Scott Strome Fc Fusion Protein to Study Tumor Invasion" "The Role of Prior Experience on Parasitoid Host Student: **Ruby Jackson-Atogi** Mentor: Dr. Jeff Leips Choice" "Using Next Generation Solexa Sequencing to Identify Student: Vovanti Jones Genes that Regulate Stem Cell Proliferation in the C. Mentor: Dr. Tim Schedl elegans Germline" "Assessment of Hippocampal Integrity In Development Student: Sara Stockman

of Specific Anti-mitotic Lesion Model" Mentor: Dr. Greg Elmer

Student: Margarita Tsionsky "Characterization of SUP3 Homologues in Arabidopsis Mentor: Dr. Hua Lu defense"

Student: Steven Tuyishime "Myo1 Localization's Effect on Multi-Budded Phenotype Mentor: Dr. Janice Zengel in Saccharomyces cerivisiae"

Student: Katherine Woronowicz "Investigating the Secondary Structure of the Mouse Mentor: Dr. Phyllis Robinson Melanopsin Carboxy-Tail"

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

Student: Yohance Allette "Analysis of the MAP dclk1 and its Effect on Mentor: Dr. Rachel Brewster Microtubule Stabilization During Neurulation in the Zebrafish"

Student: Ashleigh Bouchelion "The Wnt Pathway: Identification of Target Genes in C. Mentor: Dr. David Eisenmann elegans"

Master Roster of Presenters by Department



University Center 3rd Floor

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

Student: **Erwin Cabrera**Mentor: **Dr. Phyllis Robinson**

"C

Student: Michael Castello Mentor: Dr. Jessica Mong

Student: Nancy Chiles

Mentor: Dr. Ann Gruber-Baldini

Student: Tyler Frankel

Mentor: Dr. Tamra Mendelson

Student: Lydia Grmai

Mentor: Dr. Suzanne Ostrand-

Rosenberg

Student: Nana Owusu-Boaitey

Mentor: Dr. David Scott

Student: Nicole Parker
Mentor: Dr. Jia Bei Wang

Student: **Alexandria Scott**Mentor: **Dr. Tamra Mendelson**

"Probing the Structure of Rhodopsin and Human Green Opsin Using Site Directed Spin Labeling"

"Changes in MMP-9 Protein Levels as an Indicator of Brain Perturbation by Nicotine Exposure"

"Education and its Role in Recovery from a Hip Fracture"

"Disassortative Mating Based On Color In the Freshwater Platyfish *Xiphophorous maculatus* (Poeciliidae)"

"Mechanisms of Suppression in Breast Cancer"

"The Utilization of TAT Fusion Protein for Tolerance Induction in the EAE Model"

"PKCI/HINT1 Involvement in the Learning and Behavior of the Morris Water Maze Test Using Proximal Cues"

"Using Phylogenetic Differences Between Species to Estimate Geological Timing"

Chemical Engineering

Oral Presentation, UC 312

11:30 - 11:45 p.m.

Students: Rob Low, Fellipe F. Balieiro, Timothy D. Courtney, Thomas C. Hsu, and Khurram S.

Mahmood

Mentor: Dr. Mariajose

Castellanos

"Design for Algae-Based Biodiesel and Ethanol Fuel Plant"

Master Roster of Presenters by Department



University Center 3rd Floor

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

Student: Nizeet Aguilar, Robert P. Reeves, Robert J. Marino,

Adebimpe D. Oyede, and

Jessica DeWitt

Mentor: Dr. Mariajose

Castellanos

Student: **Ryan Connor**

Mentor: **Dr. Mariajose**

Castellanos

"Poor Drug Penetration into the Central Nervous System

"Feasibility Study of the Design of Artovastatin Calcium

(Lipitor®) Pharmaceutical Plant"

and its impact on HIV-1 Pathogenesis: A Mathematical Model"

Student: Timothy Courtney

Mentor: **Dr. Mark Marten**

"Efficacy of Protein Quantitation Assays Compatible with Two Dimensional Gel Electrophoresis"

"In silico Modeling and Optimization of Algal Biomass

Production"

"HIV Dynamics: Infection Kinetics"

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

Student: Jonathan Bollinger,

Goncalo Maia, Michael Pacella,

and Michael German Mentor: **Dr. Mariajose**

Castellanos

Student: Robert Henderson

Mentor: Dr. Mariajose

Castellanos

Student: Paula McCusker

Mentor: **Dr. Mariajose**

Castellanos

"A Mathematical Model of the HPV Infection

Mechanism'

Student: Oluwaseun Olayiwola

Mentor: Dr. Mariajose

Castellanos

"GTPases Mathematical Framework Dynamics"

Student: Michael Pacella

Mentor: **Dr. Mariajose**

Castellanos

"Creating a Mathematical Model of Chlamydomonas

Reinhardtii Metabolism"

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Master Roster of Presenters by Department



University Center 3rd Floor

Student: Ryan Park, Ryan Connor Benjamin Link, and Joel Gwinn

Mentor: Dr. Mariajose

Castellanos

"Industrial Production of Aspartame: Economic Feasibility Study on Entering the Market"

Student: Aileen Richards, Mike S. German, Ashrith Mathias, Olu Olayiwola, and Benjamin Schultz

Mentor: Dr. Mariajose

Castellanos

Student: Melissa Santos Mentor: Dr. Leah Tolosa

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

"The Economic Feasibility of Algae as a Green Energy Source"

"Development of Intuitive Fluorescent Biosensor for Glucose"

"Effect of Nutrient Conditions on Staphylococcus aureus Biofilm Formation"

Chemistry

Oral Presentations

Student: Michael German Mentor: Dr. Daniele Fabris 9:45 - 10:00 a.m. UC 312

Student: George Cutsail, III Mentor: Dr. Veronika Szalai 9:15 - 9:30 a.m. UC 312

Student: **Dina Popovkina**Mentor: **Dr. Scott Thompson**11:00 - 11:15 a.m. UC 312

Student: Sunaina Khandelwal Mentor: Dr. Alessio Fasano 1:45 - 2:00 p.m. UC 310

Student: Olufolakemi Awe Mentor: Dr. Michael Donnenberg 1:30 - 1:45 p.m. UC 310 "ESI-FTICRMS Characterization of Deoxyribozymes Targeting Conserved Domains of the HIV-1 Packaging Signal"

"Copper Amyloid-beta Complex in Alzheimer's Disease"

"The Effect of Corticosterone and trkB Receptor Downregulation on Dendritic Spine Density"

"PBMC from a Subpopulation of Celiac Patients Respond to Gliadin with Interleukin-8 Production that is CXCR3-Dependent"

"Analyzing the Interaction Partners, BfpU and BfpA, of the Bundlin Forming Pilus of Enteropathogenic *E. coli* (EPEC)"

Master Roster of Presenters by Department



University Center 3rd Floor

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

Student: Bilguujin Dorjsuren
Mentor: Dr. Michael Summers

"Investigation of the Existence of a Possible RNA Long-Range Interaction in the 5'Untranslated Region of the HIV-1 Genome"

Student: Joy Ihekweazu "Self-Reporting Fluorescent Nanogels"

Mentor: Dr. Lisa Kelly

Student: Sara Kibrom "Crotamine Interaction with Polysaccharides and Mentor: Dr. Richard Karpel Ternary Complex Formation"

Student: Nathaniel Kim
Mentor: Dr. Katherine Seley
"Developing Carbocyclic Nucleoside Fleximers as Novel
Drug Tools to Combat Drug Resistance"

Radtke

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

Student: Gabrielle McRae "The Effect of Toll-Like Receptors on Dendritic Cell Mentor: Dr. Donna Farber Activity and T-Cell Activation"

Student: Nirav Shelat "Structural Development of Streptococcus oralis YC1
Mentor: Dr. Allen Bush Polysaccharide through NMR Spectroscopy"

Student: Daniel Shook
Mentor: Dr. Richard Karpel

"Analysis of DNA Binding Amino acids of Gene 32
Protein and Crotamine by Mass Spectroscopy"

Student: Tesia Stephenson "Identifying Novel Cell Cycle Regulators in Budding Mentor: Dr. Orna Cohen-Fix Yeast"

Student: Maria Beckford "Synthesis of a Flexible Carboxycyclic Nucleoside" Mentor: Dr. Katherine Radtke

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

Student: Anissa Alexander "The Serine Repeat Antigen5: A Promising Malaria Mentor: Dr. Christopher Plowe Vaccine Candidate"

Master Roster of Presenters by Department



University Center 3rd Floor

Student: **Destiney Buelto** Nkechinvere A. Emezienna Mentor: Dr. Laundette Jones "Characterization of Brown Adipose Tissue in the Adult Mammary Gland of Brca1-Mutant Mice"

Student: Elizabeth Campbell Mentor: Dr. Bradley Arnold

"Solvent Effects on Charge Transfer Complexes"

Student: Mohsan Chaudhry Mentor: Dr. Ramachandra

"Ring-Expanded Nucleotides/Nucleosides as Potential **Anti-Viral and Anti-Cancer Agents"**

Hosmane

Student: Nwamaka Dike Mentor: Dr. Bret Hassel

"Regulation of the Antiviral Tumor Suppressor RNase-L by MicroRNAs"

Student: Monique Foster Mentor: Dr. Veronika Szalai "Impact of Cu⁺1 Binding to Beta Amyloid in Alzheimer's Disease"

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

Student: Benyam Kinde

Mentor: Dr. Michael Summers

"An NMR Protocol for the High-Resolution Structure **Determination of Large RNAs"**

Student: Gowry Kulandaivel Mentor: Dr. Michael Summers "Disproving the Existence of an Interaction Between the Primer Binding Site and the SL4 Stemloop of the HIV-1 RNA Genome"

Student: **Jessica Michaels** Mentor: Dr. Ramachandra

Hosmane

"Novel Site Directed Affinity Reagent for Cross-Linking Human Hemoglobin: A Tetra-Aldehyde Cross-Linking Reagent"

Student: Nick Pinkin Mentor: Dr. Ramachandra Hosmane

"Synthesis of Potential Inhibitors of Thymidylate Synthase Based on Quinazoline Structural Skeleton"

Student: Christelle Samen Mentor: Dr. Violeta Rus

"IL-21 is Increased in CD4⁺ T Cells and Serum of Patients with SLE"

Student: Tanu Sharma

Mentor: Dr. Phyllis Robinson

"Searching for the Counterion to the Protonated Schiff Base in Melanopsin"

Master Roster of Presenters by Department

UNDERGRADUATEResearch & Creative

University Center 3rd Floor

Student: Igor Shusterman Mentor: Dr. Patricio O'Donnell

"Prefrontal Cortex Deficits in a Delay Odor Discrimination Task in a Rat Model of Schizophrenia"

Student: Melvin Velasquez Mentor: Dr. Katherine Selev-

Radtke

"Design and Synthesis of Flexible 2'-Deoxy Nucleoside **Analogs (Fleximers) As Potential Chemotherapeutic** Agents"

Computer Engineering

Student: Aurelius Graninger Mentor: Dr. Fow-Sen Choa **University Center Ballroom** 10:00 a.m. - 12:30 p.m.

"Stand-Off Chemical Detection Using Acoustic Beamforming and Photoacoustic Sensing"

Student: Joseph Hyman Mentor: Dr. James Oates **University Center Ballroom** 10:00 a.m. - 12:30 p.m.

"Development of an Algorithm to Allow Robots to **Objectively Analyze Causally Relevant Objects in the Environment**"

Computer Science

U.C. Ballroom 10:00 a.m. – 12:30 p.m.

Student: Roger Guseman Mentor: Dr. Marie des Jardins "Probabilistic Constrained Relational Clustering with an Application to Facebook"

Student: **Peter Hamilton** Mentor: Dr. Marie des Jardins "Applying Swarm Rule Abstraction to a Wireless Sensor **Network Domain**"

Student: Michael Lombardi Mentor: Dr. Marie des Jardins "Measuring General Relational Structure Using the **Block Modularity Clustering Objective"**

Students: **UMBC Game Development Club** Mentor: Dr. Marc Olano 10:00 a.m. - 12:30 p.m.

"Explorations in Game Development: Creating 2D and 3D Worlds"

Master Roster of Presenters by Department



University Center 3rd Floor

U.C. Ballroom 12:30 p.m. – 3:00 p.m.

Students: UMBC Game Development Club Mentor: Dr. Marc Olano 10:00 a.m. - 12:30 p.m.

"Explorations in Game Development: Creating 2D and 3D Worlds"

Dance

Dance Studio, Fine Arts 317

9:50 - 10:10 "Something Like It"

Student: **Joshua Barnard** Mentor: **Mr. Doug Hamby**

10:10 - 10:30 "Enraptured"

Student: **Hannah Rzasa** Mentor: **Mr. Doug Hamby**

10:30 - 10:50 "passIoNate eMOTIOn"

Student: **Tania Knight**Mentor: **Mr. Doug Hamby**

10:50 - 11:10 "Letters from Jane: A Tribute to Jane Austen"

Student: **Hannah Rzasa** Mentor: **Mr. Doug Hamby**

11:10 - 11:30 "From Chaos"

Student: **Mya Ajanku** Mentor: **Mr. Doug Hamby**

11:30 - 11:50 "Pluto 2086"

Student: **Angel Chinn**Mentor: **Mr. Doug Hamby**

Master Roster of Presenters by Department

UNDERGRADUATE
Research & Creative
Achievement Day

University Center 3rd Floor

English

Student: Nikoletta Gjoni Mentor: Dr. Raphael Falco 10:15 - 10:30 a.m. UC 310 "Communism and Censorship: A Stunting of Albania's Literary Culture or the Birthing of a Unique National Movement?"

Environmental Science

Student: Jessica Childs Mentor: Dr. Laura Lewis 10:00 a.m. - 12:30 p.m.

UC Ballroom

Poster Presentation

Student: **Daniel Jones**Mentor: **Dr. Junmei Tang**

12:30 - 3:00 p.m. UC Ballroom

Poster Presentation

"Food Deserts and their Presence in a Southwest Community of Baltimore City"

"3D Tour of an Urban Environmental Research Site Using Google Earth and KML"

HAPP

Student: **Richard Blissett**Mentor: **Dr. Andrea Kalfoglou**

10:00 a.m. - 12:30 p.m.

UC Ballroom

Poster Presentation

"PGS: A Fishy Business"

Student: Mary Rhee

Mentor: Dr. Andrea Kalfoglou

10:00 a.m. - 12:30 p.m.

UC Ballroom

Poster Presentation

"Ethical Issues Unique to Facial Transplantation"

Student: Melissa Chapman Mentor: Dr. Andrea Kalfoglou

2:15 - 2:30 p.m.

UC 310

"To Tell or not to Tell: The Ethical Dilemma of Carrier Testing for Gaucher's Disease"

Master Roster of Presenters by Department

UNDERGRADUATE
Research & Creative
Achievement Day

University Center 3rd Floor

Student: Esther Lei

Mentor: Ms. Danika Rockett

2:30 - 2:45 p.m.

UC 310

Oral Presentation

"Re-evaluating Malaria Prevention Techniques in Zambia"

Student: Neal Karkhanis

Mentor: Dr. Andrea Kalfoglou

2:45 - 3:00 p.m.

UC 310

"Survey of UMBC Students' Knowledge, Attitudes, and Beliefs about Seeking Care for Emotional and Mental Health Problems"

History

Student: Alexander Bush Mentors: Dr. Rebecca Boehling and Dr. Constantine Vaporis 2:15 p.m. - 2:30 p.m. UC 312 "Comparing Procedure, Evidentiary Rules, and Sentencing in Three World War II POW War Crimes Trials"

Student: Teresa Bass Foster and Vicki M. Heath Mentor: Dr. Amy Froide 2:30 - 2:45 p.m. UC 312

"Using Court Records as Historical Sources: A Study of Infanticide in 18th-century London s Old Bailey Criminal Court"

Student: Maureen C. Maselko Mentor: Dr. Amy Froide 3:15 - 3:30 p.m. UC 310 "'Under the Colour of Religion': The Formation of Group Identity in Early Modern Ireland"

Information Systems

Student: Matthew Schultz Mentor: Dr. Roy Rada 10:00 - 10:15 a.m. UC 312 "Knowledge-Supported Evolutionary Computation in Financial Investing"

INDS

Student: Theresa Columbus Mentor: Mr. Steven Bradley 9:45 - 10:00 a.m. UC 310

Oral Presentation

"Fear and Wisdom and Others"

Master Roster of Presenters by Department

UNDERGRADUATE
Research & Creative
Achievement Day

University Center 3rd Floor

Student: **Yelena Dewald**Mentor: **Dr. Devin Hagerty 10:00 - 10:15 a.m. UC 310**

Oral Presentation

Student: Samantha Bier Mentor: Dr. Bambi Chapin

12:30 - 3:00 p.m. UC Ballroom Poster Presentation "The Internet and Iranian Youth Culture"

"Perspectives in Global Health: Working with Survivors of Torture and Trauma"

Mathematics

Student: Immanuel Williams Mentor: Dr. Natalie Eddington 10:15 - 10:30 a.m. UC 312

Student: **Geoffrey Clapp**Mentor: **Dr. Kathleen Hoffman**

UC Ballroom

Mentor: **Dr. Kathleen Hof 10:00 a.m. - 12:30 p.m.**

Student: Alison Ebaugh Mentor: Dr. Jonathan Bell 10:00 a.m. - 12:30 p.m.

UC Ballroom

Student: Michael Reid

Mentor: Dr. Matthias Gobbert

12:30 - 3:00 p.m. UC Ballroom "Pharmacokinetics of D3 Receptor Analogs: Potential Drug Therapy for Cocaine Addiction"

"Modeling Sensory Input to the Lamprey Spinal Cord"

"A Biophysical Model of Synaptic Plasticity"

"Parallel Performance Studies for a Numerical Simulator of Atomic Layer Deposition"

Mechanical Engineering

Student: Jason VerHoef, Brian Steele, and Yakubu Wanka Mentor: Mr. Richard Wilson UC 201B 2:15 - 3:30 p.m.

"Analysis of the South Korean Sampoong Department Store Collapse From An Engineering Ethics Prospective"

Master Roster of Presenters by Department

UNDERGRADUATE
Research & Creative
Achievement Day

University Center 3rd Floor

Student: **Deanna Easley**

Mentor: Dr. Timmie Topoleski

UC Ballroom

10:00 a.m. - 12:30 p.m.

"Investigation on the Creation of a More Efficient Wear Test Machine with Controlled Environments"

Student: **Brandon Borde and Oluwatimilehin Fadiran**

Mentor: Dr. Timmie Topoleski

UC Ballroom 12:30 - 3:00 p.m. "Analysis of the Mechanical Behavior of Bovine Descending Aorta Under Various Conditions"

Modern Languages and Linguistics

Student: Valerie Lagrome Mentor: Dr. Thomas Field

UC 312 2:45 - 3:00 p.m.

"Linguistic Norm Enforcement on the Internet: Chatspeak in Forum Communities"

Student: Holly-Catherine Britton

Mentor: Dr. Thomas Field

UC 312 3:00 - 3:15 p.m.

"Lexical Variations in Telling Clock Time: A Study of

Age and Style Differences"

Student: Kristina Gaddy

Mentor: Ms. Susanne Sutton

UC 312 3:15 - 3:30 p.m.

"Creating National Identity and Memory: The German Historical Museum"

Music

Students: Jacob Jensen, Danielle

Durbin, Kimberly Patrick, and

Una Petrovic

Mentor: Dr. Anna Rubin

10:00 – 11:30 a.m. and

1:30 - 3:00 p.m.

Fine Arts Building Stairwell

"What's Inside a Rose?; A Presentation of Dada and Surrealist Inspired Art"

ine in a bunding sound were

Student: Marcus Simmons

Mentor: **Mr. David Smith** 1:15 - 1:30 p.m. UC 312

Demonstration and Oral Presentation

"If You Can Talk, You Can Sing"

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Master Roster of Presenters by Department

UNDERGRADUATE
Research & Creative
Achievement Day

University Center 3rd Floor

Student: **Danielle Durbin** Mentor: **Dr. Lisa Cella**

1:30 - 1:45 p.m. UC 312

Demonstration and Oral Presentation

Student: **Barbara Scheffter** Mentor: **Dr. Airi Yoshioka**

12:30 - 3:00 p.m. UC Ballroom

Poster Presentation

"Flute Lineage"

"Getting a *Handel* on Bells: Designing a Summer Music

Camp that 'Rings True' with Music Education Theories"

Philosophy

Students: **Bryan Clark and Harshavardhan Bambawale**

Mentor: Mr. Richard Wilson 2:15 - 3:30 p.m. UC 201B

Panel Discussion

Students: Clayton Day, Jay

Chung, and Thaha Shafi Mentor: Mr. Richard Wilson

2:15 - 3:30 p.m. UC 201B

Panel Discussion

"Identity Theft"

"The Wall Street Shadow Market"

Physics

Student: **Stephanie Ferrone**

Mentor: **Dr. Todd Pittman**

UC 310 1:15 - 1:30 p.m.

Student: Joseph Dulny, III

Mentor: Dr. L. Michael Hayden

UC Ballroom

10:00 a.m. - 12:30 p.m.

"Effects of a Dipolar Polymer Host Matrix on the Poling

"Quantum Interference Effects with Multimode Fibers"

Efficiency of Guest Chromophores"

Student: **Aaron Pearlman**

Mentor: Dr. Robin Corbet

UC Ballroom

10:00 a.m. - 12:30 p.m.

"A Model for Iron K Absorption in the Low-Mass X-ray

Binary GX 13+1"

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Master Roster of Presenters by Department

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University Center 3rd Floor

Student: Ian Nolen

Mentor: Dr. Michael Hayden

UC Ballroom 12:30 - 3:00 p.m. "Ellipsometric Measurements of the Electro-Optic Coefficient"

Political Science

Student: H. Saeed

Mentor: Dr. Jeffrey Davis

9:15 - 9:30 a.m.

UC 310

"Ending the Cycle of Violence: The Role of a Truth

Commission"

Student: Sharanya Ravichandran

Mentor: **Dr. Devin Hagerty 10:00 a.m. - 12:30 p.m.**

UC Ballroom

"The Caste System and its Prevalence in Contemporary

Indian Society"

Students: Priya Tiwari, Betty Irungu, Gillian Yeadon, and

Katie Papagjika

Mentor: Dr. Tyson King-Meadows

12:30 - 3:00 p.m. UC Ballroom "Delegated to Represent? Exploring the Racial and Gender Differences in Delegate Demographics at the 2008 Democratic National Convention"

Psychology

Oral Presentations, UC 310

Student: Scott Murdock

Mentor: Dr. Charissa Cheah

10:30 - 10:45 a.m.

"Autonomy Development, Support, and Future Orientation in Adolescent Mothers"

10:30 - 10:45 a.m.

Student: Sadaf Siddiqi and

Elizabeth A. Fitzgerald Mentor: Dr. Charissa Cheah

10:45 - 11:00 a.m.

"Dual Identity Formation Among Adolescent Mothers"

Student: **Doha Chibani** Mentor: **Dr. Diane Alonso**

11:30 - 11:45 a.m.

"Effects of Apparent Ethnicity in an Individual's Name on Perceived Qualifications in the Professional Service Industry"

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Master Roster of Presenters by Department



University Center 3rd Floor

Student: **Tahira Mahdi** Mentor: **Dr. Shawn Bediako**

11:45 - 12:00 p.m.

"It's Written All Over Your Face: Perceptions of Genetic

Illnesses"

Student: **Dhivya R. Pahwa**Mentor: **Dr. Shawn Bediako**

2:00 - 2:15 p.m.

"Categorical Person Perception in Sickle Cell Disease"

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

Student: Bridget Armstrong and

Craig Whitten

Mentor: Dr. Lynnda Dahlquist

"Effects of Using Head Mounted Display Helmet for Virtual Reality Distraction on Cold Pressor Pain in College Students"

Student: **Jessica M. Griffith**

Mentor: Dr. Lynanne M. McGuire

"Sex Differences in Pain Responses: Do Men and Women Experience Pain Differently?"

Student: **Alexandra Psihogios** Mentor: **Dr. Lynnda Dahlquist**

"The Effects of Age Differences in Preschool Children on Help-Seeking Behaviors During Easy and Difficult Puzzle Tasks"

Student: **Elizabeth Silberholz** Mentor: **Dr. Lynnda Dahlquist**

"The Relation Between Pediatric Food Allergy Severity, Peer Interactions, and Report of Child Behavioral Problems"

Student: Rebecca Zia

Mentor: Dr. Charissa Cheah 10:00 a.m. - 12:30 p.m.

"Moderating and Mediating Factors in the Association Between Maternal Psychological Control and Child Aggression in Chinese Immigrants"

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

Student: **Penina Backer** Mentor: **Dr. Mariano Sto.**

Domingo

"The Effects of Educational Content and Gender on the Perception of Individuals with Schizophrenia"

Student: **Elizabeth Lamontagne** Mentor: **Dr. Lynanne McGuire**

"Pain-Related Anxiety Correlates with Sensory Aspects of Pain"

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Master Roster of Presenters by Department

UNDERGRADUATE
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University Center 3rd Floor

Social Work

Student: Rhonda Bavis

Mentor: **Dr. Shelly Wiechelt**

11:00 - 11:15 a.m. UC 310

Students: April Melton and

Monica Talcott

Mentor: **Dr. Laura Ting** 11:15 - 11:30 a.m. UC 310

Student: **Samantha Watts**Mentor: **Dr. Tiffany Baffour**

12:30 - 3:00 p.m.

"The Effects of Parental Substance Abuse on Children and Families"

"Volunteerism in the Aging Population"

"Examining the Barriers and Facilitators to Breastfeeding in Women Attending a Post-Secondary Educational Institution"

"The Real World"

Visual Arts

Film Presentations, Fine Arts 221

Student: Glen Fortner

Mentor: Mr. Fred Worden

1:15 - 1:25 p.m.

Student: Raychyl Segovia "Path to Perception"

Mentor: Mr. Fred Worden

1:25 - 1:35 p.m.

Student: David Hernandez "Just Beyond the Bridge"

Mentor: Mr. Fred Worden

1:35 - 1:50

Student: Brendan Huza "Aliens Love Cheerleaders"

Mentor: Mr. Fred Worden

1:50 - 2:05 p.m.

Student: Matthew Szychowski "Escape from Ping Island"

Mentor: Mr. Fred Worden

2:05 - 2:15 p.m.

"Escape from Ping Island"
And
"Cold Lady"

Master Roster of Presenters by Department

UNDERGRADUATE
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University Center 3rd Floor

Student: Megan Zlock "Visual Symphony: Try to Believe"

Mentor: Mr. Eric Dyer

2:20 - 2:30 p.m.

Student: Agnes Asplund Leslie

Bristow "Our Own World"

Mentor: Ms. Cathy Cook

2:30 - 2:40 p.m.

Student: Jonathan Widmer
Mentor: Mr. Fred Wordon "Movement"

2:40 - 2:55 p.m.

Student: Jessica Hale "Growth"

Mentor: Mr. Fred Worden

2:55 - 3:05

Student: Matthew J. Szychowski "Blue Duck"

Mentor: Mr. Fred Worden

3:05 - 3:25 p.m.

Artistic Installations, Fine Arts First Floor Hallway Gallery

Student: Samantha Song "Child Brides, Stop Child Brides NOW!"

Mentor: Mr. Franc Nunoo-

Quarcoo

Student: Sarah Fry Jenna Ullrich "Female Genital Cutting"

Mentor: Mr. Franc Nunoo-

Quarcoo

Student: Belen Getahun

Mentor: Mr. Franc Nunoo
"Gender Issues in Ethiopia"

Quarcoo

Student: Jesse Vaughan and

Emma Rava

Mentor: Mr. Franc Nunoo-

Quarcoo

"Rape"

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Student: **Terry Von Hagel** Mentor: **Mr. Franc Nunoo**-

Quarcoo

Student: **Jesse Vaughan**Mentor: **Ms. Lynn Cazabon**

Student: Sean Heavey and Adam

Utapat

Mentor: Dr. Franc Nunoo-

Quarcoos

12:30 - 3:00 p.m.

Student: Alexandra Seley Mentor: Ms. Lynn Cazabon 10:00 a.m. - 11:30 a.m. "Same Sex Union Laws"

"In Bed"

"900,000: An Exploration of the International Human Trafficking Epidemic"

"Constructed Landscapes"