Student: Fadaka Adebayo  
Mentor: Dr. Angelica Herrera 
Poster Presentation 
UC Ballroom 
2:00 p.m. - 4:00 p.m.

“Use of Social Marketing Principles to Promote Positive Diabetes Care Practices in Older Hispanics and African Americans”  
*Health Administration and Policy*

Student: Hollie Adejumo  
Mentor: Dr. Lee Blaney 
Poster Presentation 
UC Ballroom 
10:00 a.m. - 12:00 p.m.

“Antimicrobial Activity of Fluoroquinolone Antibiotics: Consequences for UV-based Wastewater Treatment”  
*Chemical, Biochemical, and Environmental Engineering*

Student: Jeania Afrin  
Mentor: Dr. Jonathan Singer 
Poster Presentation 
UC Ballroom 
2:00 p.m. - 4:00 p.m.

“Improving Brief Constructed Responses (BCRs) in Science Using RACES Strategy”  
*Physics*

Student: Ifeolu Akinnola  
Mentor: Dr. Phyllis Robinson 
Oral Presentation 
UC 310 
3:00 p.m.

“The Cloning and Expression of Whooping Crane Photopigments”  
*Biological Sciences*

Student: Kerianne Allen  
Mentor: Dr. Jonathan Singer 
Poster Presentation 
UC Ballroom 
10:00 a.m. - 12:00 p.m.

“Increasing Student Knowledge on How to Identify and Describe Relationships among Inscribed Angles, Radii, and Chords”  
*Mathematics and Statistics*

Student: Aymen Alqazzaz  
Mentor: Dr. Bernard Lohr 
Oral Presentation 
UC 310 
1:15 p.m.

“Structure and Variation of the Warble Song in Grasshopper Sparrows (Ammodramus savannarum)”  
*Biological Sciences*

Student: Juan Alvarez  
Mentor: Dr. Suzanne Ostrand-Rosenberg 
Oral Presentation 
UC 310 
11:00 a.m.

“A Recombinant Protein as a Cancer Therapeutic to Overcome Tumor-Related Immune Suppression and Enhance Tumor Rejection”  
*Biochemistry and Molecular Biology*
April 23, 2014
Presenters by Name

University Center, 3rd floor

Student: Chinwendu Amazu
Mentor: Dr. Laundette Jones
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Investigating a Potential Chemopreventive Agent in a Brca1 Mutant Mouse Model”
Biochemistry and Molecular Biology

Student: William Angel
Mentor: Dr. Hua Lu
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Investigating Reciprocal Regulation of the Circadian Clock by Plant Innate Immunity”
Biological Sciences

Student: Sara Arussy
Mentor: Dr. Mark Marten
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Determining the Effects of Autophagy on Morphology of Aspergillus nidulans”
Chemical, Biochemical, and Environmental Engineering

Student: Ifemayowa Aworanti
Mentor: Dr. Douglas Frey
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Ion Exchange and Mixed-Mode Chromatography for the Optimization of Protein Purification”
Chemical, Biochemical, and Environmental Engineering

Student: Sara Azeem
Mentor: Dr. Philip Farabaugh
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Study of rbfA Suppressor in Escherichia coli”
Biological Sciences

Student: Sagar Bajpai
Mentor: Dr. Charles Bieberich
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Enhancing The Inducible Mouse Model for Prostate Inflammation”
Biochemistry and Molecular Biology

Student: Ademayowa Balogun
Mentor: Dr. Lasse Lindahl
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Incorporation of L4 into Ribosomes is Temperature Dependent in L4 Mutant Strains”
Biological Sciences
April 23, 2014
Presenters by Name

University Center, 3rd floor

Student: Amber Barnett
Mentor: Ms. Esther Doyle Read
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Captain Henry Dashiell's Papers and Neo-Latin, the Continued International Use of Latin in the 18th Century”
Ancient Studies

Students: Alex Barton, Sarah Kalife, Kiara Forman, Scott Forster
Mentor: Dr. E.F. Charles LaBerge
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Improving Line-of-sight Coverage of Remote-controlled Drone Using an Autonomous Quadcopter”
Computer Science and Electrical Engineering

Student: Travis Bell
Mentor: Dr. John Stolle-McAllister
Film Presentation
Engineering 023
3:30 p.m.

“Interculturality between U.S. Americans and Chileans”
Psychology

Student: Sierra Benson-Brown
Mentors: Mr. Timothy Phin, Ms. Esther Doyle Read
Oral Presentation
UC 312
3:15 p.m.

“Equality in Diaspora: Jews in Ptolemaic Alexandria”
Ancient Studies

Students: Kim Berghaus, Matthew Wilcox
Mentor: Dr. Michael Hayden
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Periodic Poling of Electro-Optic Polymers for Efficient Terahertz Generation”
Physics

Student: Michael Berlin
Mentor: Dr. Tim Finin
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Using Machine Learning to Classify Trouble Tickets”
Computer Science and Electrical Engineering
Student: Drayton Blanchard  
Mentor: Dr. Gymama Slaughter  
Oral Presentation  
Engineering 023  
11:30 a.m.  

“Characterization of Microfluidic Channels Created Using PDMS and Soft Lithography”  
Mechanical Engineering

Student: Catherine Bloomer  
Mentor: Dr. Christopher Rakes  
Poster Presentation  
UC Ballroom  
10:00 a.m. - 12:00 p.m.  

“Enhancing Students' Level of Geometric Thinking through Van Hiele Phase-based Learning”  
Mathematics and Statistics

Students: Robert Breen, Rebecca Neubauer, Andrea Gray  
Mentor: Dr. William LaCourse  
Poster Presentation  
UC Ballroom  
12:00 p.m. - 2:00 p.m.  

“Quantification of Buffering Agents in Cell Culture Media”  
Chemistry and Biochemistry

Student: Matthew Brewster  
Mentors: Dr. Matthias Gobbert, Professor Bradford Peercy, Professor Padmanabhan Seshaiyer  
Oral Presentation  
Engineering 023  
2:15 p.m.  

“The Influence of Stochastic Parameters on Calcium Waves in a Heart Cell”  
Mathematics and Statistics

Student: Drew Buckingham  
Mentor: Dr. Jonathan Singer  
Poster Presentation  
UC Ballroom  
12:00 p.m. - 2:00 p.m.  

“Increasing College and Career Readiness through Laboratory Experiments”  
Physics

Student: Grace Calvin  
Mentor: Dr. Charissa Cheah  
Poster Presentation  
UC Ballroom  
2:00 p.m. - 4:00 p.m.  

“Maternal Psychological Well-being, Parenting Style, and Chinese Immigrant Children’s Social-Emotional Adjustment”  
Psychology
April 23, 2014
Presenters by Name

University Center, 3rd floor

Student: Susanna Campbell
Mentor: Dr. Kevin Omland
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Testing For Female Song in Newly Recognized Species: The Puerto Rican Oriole”
Biological Sciences

Student: Kim Casimbon
Mentor: Dr. Diane Alonso
Oral Presentation
UC 312
3:30 p.m.

“Effects of Multitasking on Reading Comprehension and Puzzle Solving”
Psychology

Student: Brittany Chatfield
Mentor: Dr. Christopher Rakes
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Modeling Mathematics”
Mathematics and Statistics

Students: Benjamin Cherry, Oleksandr Aleksandrovych
Mentor: Mr. Richard Wilson
Oral Presentation
Engineering 023
1:00 p.m.

“Possibilities: An Anticipatory Look at the Ethical Issues in Stem Cell Research”
Philosophy

Student: Cho Fung Chim
Mentor: Dr. Robin Barry
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“The Relation between Accurate Perception and Marital Satisfaction in Newlywed Couples”
Psychology

Student: Vivian Chioma
Mentor: Dr. Joseph Cheer
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Fear Be Gone: Endocannabinoids Modulate Subsecond Dopamine Release During the Extinction of Fear Memories”
Interdisciplinary Studies

Student: Briani Claggett
Mentor: Dr. Jeff Leips
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Genetic Basis of Natural Variation in Innate Immune Function: The Effects of Syndecan on Phagocytosis”
Biological Sciences
<table>
<thead>
<tr>
<th>Student</th>
<th>Mentor</th>
<th>Topic</th>
<th>Time</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sergiu Costinas</td>
<td>Dr. Bernard Lohr</td>
<td>“Determining Song Choice in Song Birds”</td>
<td>12:00 p.m. - 2:00 p.m.</td>
<td>Biological Sciences</td>
</tr>
<tr>
<td>Rachel Crane</td>
<td>Dr. Ilsa Lottes</td>
<td>“Variation in Human Rights Violations in Iraq: 1991 to the Present”</td>
<td>10:00 a.m. - 12:00 p.m.</td>
<td>Sociology and Anthropology</td>
</tr>
<tr>
<td>Christine Cruz</td>
<td>Dr. Terry Bouton</td>
<td>“The Lost Colony: Finding Elyoner”</td>
<td>12:00 p.m. - 2:00 p.m.</td>
<td>History</td>
</tr>
<tr>
<td>Steven Dakermanji</td>
<td>Dr. Richard Karpel</td>
<td>“The Study of Charged Nanoparticles of Crotamine and Plasmid DNA”</td>
<td>11:00 a.m.</td>
<td>Chemistry and Biochemistry</td>
</tr>
<tr>
<td>Raissa Dantas</td>
<td>Dr. Mark Marten</td>
<td>“Production of Aspergillus nidulans Mutants for the Study of Protein Secretion Mechanisms”</td>
<td>12:00 p.m. - 2:00 p.m.</td>
<td>Chemical, Biochemical, and Environmental Engineering</td>
</tr>
<tr>
<td>Erica Dasi</td>
<td>Dr. Michelle Starz-Gaiano</td>
<td>“Characterization of Novel Signaling Regulators in Cell Migration in Drosophila”</td>
<td>2:00 p.m. - 4:00 p.m.</td>
<td>Biological Sciences</td>
</tr>
<tr>
<td>Beshaun Davis</td>
<td>Dr. Jason Schiffman</td>
<td>“Practitioner Preferences Regarding Psychosis Risk Screening”</td>
<td>2:00 p.m. - 4:00 p.m.</td>
<td>Psychology</td>
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</tbody>
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April 23, 2014
Presenters by Name

University Center, 3rd floor

Student: Matthew Davis
Mentor: Dr. Jonathan Singer
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Motivating Students by Varying Media and Providing Differentiated Instruction”
Physics

Student: Nicole De Leon
Mentor: Dr. Kathy Bryan
Oral Presentation
UC 312
10:15 a.m.

“Representation of Families in Caldecott Medal Books from the 1990s”
American Studies

Student: Mariana de Matos Medeiros, Natasha Barlow, Nour Al Ghriwati
Mentor: Dr. Lynnda Dahlquist
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Effects of Anticipatory Anxiety on Children's Pain Tolerance”
Psychology

Student: Alexis DeVance
Mentor: Mr. Doug Hamby
Artistic Performance Presentation
FA 317
10:50 a.m.

“Salt.Rose.Witness.”
Dance

Student: Stephen DiBenedetto, Brad Potteiger
Mentor: Dr. Mohamed Younis
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Anchor-free Underwater Node Localization Scheme”
Computer Science and Electrical Engineering

Student: Juliana Doddridge
Mentor: Dr. Thomas Field
Oral Presentation
UC 312
3:45 p.m.

“Heaven's Light and Hellfire: A Study of the Post-Vocalic /r/ among Disney's Heroes and Villains”
Modern Languages, Linguistics, and Intercultural Communication
April 23, 2014
Presenters by Name

University Center, 3rd floor

Student: Eugene Dorestal
Mentor: Dr. Jonathan Singer
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Improving Sight Reading”
Music

Student: Christine Dougherty
Mentor: Dr. Jonathan Singer
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Improving Students' Proficiency In Reading Skills, Strategies, And Comprehension Through Guided Instruction”
Biological Sciences

Student: Vy Duong
Mentor: Dr. Hua Lu
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Functional Characterization of Soybean JAR1 Gene in Arabidopsis thaliana”
Biological Sciences

Student: Andrea Duval
Mentor: Dr. Linda Oliva
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Learning in the French Language Classroom: The Effect of Weekly Listening Comprehension Exercises on Student Learning”
Modern Languages, Linguistics, and Intercultural Communication

Student: Erin Edwards
Mentors: Ms. Esther Doyle Read, Mr. Timothy Phin
Oral Presentation
UC 312
3:00 p.m.

“From Dracula to Ditches: Exploration of Roman Mithraism in Dacia”
Ancient Studies

Students: David Eisen, Kevin Zhang
Mentor: Dr. Fow-Sen Choa
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“The Influence of Brain Eigen Oscillation Frequencies (Control Channels) to the Executive Functions of Brains”
Computer Science and Electrical Engineering
Student: Alexander Emmanuelli  
Mentor: Dr. Michael Summers  
Oral Presentation  
UC 310  
11:30 a.m.  

“The Interactions Between the 5'UTR and CANC Protein in Late Phase Viral Assembly of the Murine Leukemia Virus”  
*Biochemistry and Molecular Biology*

Student: Samantha Eng  
Mentor: Dr. Douglas Norris  
Poster Presentation  
UC Ballroom  
12:00 p.m. - 2:00 p.m.  

“Characterizing the Foraging Behavior of Malaria Vectors During the Wet Season in Nchelenge, Zambia”  
*Biochemistry and Molecular Biology*

Student: Narges Ershad  
Mentor: Dr. Ilsa Lottes  
Poster Presentation  
UC Ballroom  
10:00 a.m. - 12:00 p.m.  

“Violations of Human Rights in Four Non-western Countries: Afghanistan, Iran, Nigeria and Saudi Arabia”  
*Sociology and Anthropology*

Student: Alexander Evans  
Mentor: Dr. Shuyan Sun  
Poster Presentation  
UC Ballroom  
12:00 p.m. - 2:00 p.m.  

“The Relationship between Academic and Social Self-Concepts and Reading and Mathematics Achievement”  
*Psychology*

Student: Faith Evans  
Mentor: Dr. Danielle Beatty  
Poster Presentation  
UC Ballroom  
10:00 a.m. - 12:00 p.m.  

“Effects of Avoidant Coping on Daily Mood among Blacks and Latinos with Recent Discrimination Experiences”  
*Psychology*

Student: Shafaq Fatima  
Mentor: Dr. Shuyan Sun  
Poster Presentation  
UC Ballroom  
10:00 a.m. - 12:00 p.m.  

“Body Weight and Internalizing Problem Behaviors: Social Support, Self-Concept and Locus of Control as Protective Factors”  
*Psychology*

Student: Matthew Fertig, Matt Law  
Mentor: Mr. Richard Wilson  
Oral Presentation  
Engineering 023  
1:00 p.m.  

“Quantum Computing”  
*Computer Science and Electrical Engineering*
Student: Deborah Firestone  
Mentor: Mr. Neal McDonald  
Film Presentation  
Engineering 023  
10:45 a.m.

“Brush and Bone: An Animated Look at the Beauty Beyond Skin-Deep”  
*Visual Arts*

Student: Mabelle Fomundam  
Mentor: Dr. Alan Kreizenbeck  
Film Presentation  
Engineering 023  
3:15 p.m.

“Boalian Theatre in Practice”  
*Theatre*

Student: Michael Fornaro  
Mentor: Dr. Jonathan Singer  
Poster Presentation  
UC Ballroom  
2:00 p.m. - 4:00 p.m.

“Increasing Student Achievement by Outlining Curriculum with Guiding Problems”  
*Mathematics and Statistics*

Student: Elizabeth Forney  
Mentor: Dr. Cheryl North  
Poster Presentation  
UC Ballroom  
2:00 p.m. - 4:00 p.m.

“A Compound-Complex Problem: Methods for Increasing Sentence Variation”  
*English*

Student: Ian Forsythe  
Mentor: Dr. Bambi Chapin  
Oral Presentation  
UC 312  
1:30 p.m.

“Recording an Experience of Literacy: A Person-Centered Approach”  
*Sociology and Anthropology*

Student: Jeremy Fryer  
Mentor: Dr. Linda Oliva  
Poster Presentation  
UC Ballroom  
2:00 p.m. - 4:00 p.m.

“Improving Students' Critical Thinking When Using Charts and Graphs”  
*History*

Students: Robert Gagliardi, Ralph Kenneth Colmenar  
Mentor: Dr. Jason Kestner  
Poster Presentation  
UC Ballroom  
12:00 p.m. - 2:00 p.m.

“Investigation into Dipole Interactions of Ultra-Cold Fermions in a Harmonic Trap”  
*Physics*
### Students: Game Developers' Club
- Paul Tscharigi, Michael Leung, Alex Lacey, Ted Cordle, Calvin Kumagai, Eliot Carney-Seim, Austin Pagano  
  Mentor: Dr. Marc Olano  
  Poster Presentation  
  UC Ballroom  
  10:00 a.m. - 4:00 p.m.

### “Innovations in Computer Game Development”  
*Visual Arts*

### Student: Zoe Gensheimer  
Mentor: Mr. Mark Durant  
Oral Presentation  
Engineering 023  
1:45 p.m.

### “Mirror Images: The U.S. and its 'Southern Brother’”  
*Visual Arts*

### Student: Sanchari Ghosh  
Mentor: Dr. Suzanne Ostrand-Rosenberg  
Poster Presentation  
UC Ballroom  
10:00 a.m. - 12:00 p.m.

### “Tumors May Prevent Anti-Tumor Immunity by Altering Plasma Membrane Molecules Essential for T-Cell Activation”  
*Biological Sciences*

### Student: Kaitlyn Golden  
Mentor: Dr. Anne Brodsky  
Oral Presentation  
UC 312  
2:45 p.m.

### “Resource-sharing and Psychological Sense of Community among First-Generation Latin American Immigrants”  
*Psychology*

### Student: Andrew Goodwin  
Mentor: Dr. Rachel Brewster  
Poster Presentation  
UC Ballroom  
10:00 a.m. - 12:00 p.m.

### “The Zebrafish Embryonic Brain is Tolerant to Oxygen Deprivation”  
*Biological Sciences*

### Student: Deepika Gorre  
Mentor: Dr. Shuyan Sun  
Poster Presentation  
UC Ballroom  
12:00 p.m. - 2:00 p.m.

### “Associations Between Early Parental Involvement, Home Language, and Academic Achievement in Later School Years”  
*Psychology*
April 23, 2014

Presenters by Name

University Center, 3rd floor

Student: Jeremy Gosnell
Mentor: Dr. Christopher Rakes
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Precision in Measurement”
Mathematics and Statistics

Student: Hamsa Gowda
Mentors: Dr. Yordan Kostov, Dr. Marie-Christine Daniel
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Oxidized Cellulose Route to Production of Silver Nanoparticles”
Chemical, Biochemical, and Environmental Engineering

Student: Molly Greenhouse
Mentor: Ms. Esther Doyle Read
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“The (Be)coming of the Greeks: Reviewing Archaeological Evidence for Greek Arrival ca. 2200 B.C.E.”
Ancient Studies

Student: Alexandra Grieves
Mentor: Dr. Linda Oliva
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“The Effect of Progress Checkpoints on Student Performance”
Modern Languages, Linguistics, and Intercultural Communication

Student: Raquel Grinage
Mentor: Dr. Michelle Scott
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Rhinelander v Rhinelander: Challenging Racial Hierarchies in the 1920s”
History

Student: Brenda Gutierrez
Mentor: Dr. George Weiblen
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“DNA Barcoding for Pharmaceutical Discovery in Fungal Endophytes”
Biological Sciences
Student: Hannah Gutjahr  
Mentors: Dr. Christopher Murphy, Ms. Galina Portnoy  
Poster Presentation  
UC Ballroom  
10:00 a.m. - 12:00 p.m.

“Does Coping Style Account for Differences in Posttraumatic Stress Symptoms among Partner-Violent Men?”  
*Psychology*

Student: Jichele Harris  
Mentor: Dr. Mark Rogers  
Poster Presentation  
UC Ballroom  
10:00 a.m. - 12:00 p.m.

“Correlation of Initial Steps and Balance in a Simulated Fall”  
*Mechanical Engineering*

Student: Samantha Hawkins  
Mentor: Dr. Sarah Chard  
Oral Presentation  
UC 312  
1:45 p.m.

“Baltimore Voices: Creating a Comprehensive Sense of Place and Identity”  
*Sociology and Anthropology*

Students: Xiaofei He, Patrick Husson  
Mentor: Dr. E.F. Charles LaBerge  
Poster Presentation  
UC Ballroom  
12:00 p.m. - 2:00 p.m.

“Image Processing for Steel Quality Control”  
*Computer Science and Electrical Engineering*

Student: Nicholas Heroux  
Mentor: Dr. Bernard Rabin  
Poster Presentation  
UC Ballroom  
10:00 a.m. - 12:00 p.m.

“Cognitive Effects of Proton Irradiation at Differing Energies and Exposures”  
*Psychology*

Student: Mary Hester  
Mentor: Dr. Carolyn Forestiere  
Poster Presentation  
UC Ballroom  
12:00 p.m. - 2:00 p.m.

“Arts Advocacy: Promoting Policy Change”  
*Political Science*
Student: Emily Hinz
Mentor: Dr. Lisa Cella
Oral Presentation
Engineering 023
2:00 p.m.

Students: Marcus Hockaday, Kathleen Greaney, Jamie Jaegers, Arielle Ngameni Mouani
Mentor: Ms. Galina Madjaroff
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

Student: Hannah Hollamon
Mentor: Dr. Kathy Bryan
Oral Presentation
UC 312
10:30 a.m.

Student: Catherine Hornback
Abdullah Ali
Mentor: Dr. Amy Hurst
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

Students: Dalton Hughes, Madison Bondoc, Hollie Adejumo, Chris Mullen
Mentor: Dr. Lee Blaney
Oral Presentation
UC 310
10:45 a.m.

Student: Michael Ishak
Mentor: Dr. Stephen Miller, Mr. Jose Ortega
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.
April 23, 2014
Presenters by Name

University Center, 3rd floor

Students: Abigail Jackson, Jessica Ortega
Mentors: Dr. Phyllis Robinson, Dr. Kathleen Hoffman
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“A Mathematical Model of Melanopsin Phototransduction and Light Adaptation”
Biological Sciences

Student: Jesse Johnson
Mentor: Dr. Paul Smith
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Examining a Metal-Binding Motif in Novel Inhibitors of the Hepatitis C Virus NS3 Helicase”
Chemistry and Biochemistry

Student: Kendra Johnson
Mentor: Dr. Ian Thorpe
Oral Presentation
UC 310
2:15 p.m.

“Understanding the Molecular Mechanisms of Synergistic Inhibition of the Hepatitis C Virus (HCV) Polymerase”
Chemistry and Biochemistry

Student: Michaela Jones
Mentor: Dr. Michelle Starz-Gaiano
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Investigating a Requirement for the shep Gene in Cell Migration”
Biological Sciences

Students: Dimitri Jordan, Jean Hopewell
Mentor: Dr. Robert Rubinstein
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“An Updated Perspective on Fishman's Eight Stages of Language Loss”
Sociology and Anthropology

Students: Ki Jung, Julia Gao, Neema Philippe
Mentor: Dr. Bernard Lohr
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Song Output and Patterning in Grasshopper Sparrows (Ammodramus savannarum)”
Biological Sciences
Student: Caroline Jurney  
Mentor: Dr. Susan McCully  
Poster Presentation  
UC Ballroom  
10:00 a.m. - 12:00 p.m.

“Attracting a Younger Audience to Live Theatre in Baltimore”  
Theatre

Student: Imesha Kalansuriya  
Mentor: Dr. Shawn Bediako  
Poster Presentation  
UC Ballroom  
2:00 p.m. - 4:00 p.m.

“Clinical and Psychosocial Factors Associated with Pediatric Sickle Cell Retinopathy”  
Psychology

Student: Noora Kanfash  
Mentor: Dr. Roland Thorpe  
Poster Presentation  
UC Ballroom  
10:00 a.m. - 12:00 p.m.

“The Association among Race, Marital Status, and Preventive Services”  
Health Administration and Policy

Students: Stephen Kelley, Marissa Regelin  
Mentor: Ms. Sally Shivnan, Ms. Guenet Abraham  
Journal Release  
Lobby  
10:00 a.m. - 3:00 p.m. 12:00 p.m. - 2:00 p.m.

“Bartleby 2014: Interpretive Artwork, Engaging with Poetry and Prose”  
English

Student: Noore-Sabah Khan  
Mentor: Dr. Danielle Beatty  
Poster Presentation  
UC Ballroom  
10:00 a.m. - 12:00 p.m.

“Body Mass Index Moderates the Relation of Diary Negative Mood to Ambulatory Blood Pressure in Urban Blacks and Latinos”  
Psychology

Student: Amy Kim  
Mentor: Dr. Christopher Rakes  
Poster Presentation  
UC Ballroom  
2:00 p.m. - 4:00 p.m.

“Applying Mathematical Modeling in the STEM 8 Classroom”  
Mathematics and Statistics
April 23, 2014
Presenters by Name

University Center, 3rd floor

Student: Jin Kim
Mentor: Dr. Kevin Omland
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Using Geolocators to Track Migratory Pathways of Orchard Orioles and Baltimore Orioles”
*Biological Sciences*

Student: Gregory Klock
Mentor: Dr. Linda Oliva
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Writing and Remembering History”
*History*

Student: Omar Koita
Mentors: Dr. Lasse Lindahl, Mr. Md. Shamsuzzaman
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Analysis of Cell Cycle Proteins after Distortion of Ribosome Biogenesis”
*Biological Sciences*

Student: Sam Kott
Mentor: Dr. Robin Barry
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Two Hearts Beat As One: A Study of Spouses' Agreement Regarding Disengaged and Engaged Communication Behavior”
*Psychology*

Student: Valerie Koury
Mentor: Dr. Lynnda Dahlquist
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Gender Differences in Pain Tolerance and Pain Intensity among College Students”
*Psychology*

Student: Sekar Kulandaivel
Mentor: Mr. John Park
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Alternative Control Paradigms for Remote-Controlled Helicopters”
*Computer Science and Electrical Engineering*

Student: Robbin Lee
Mentor: Dr. Fan Yang
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Reframing the Window of Chinese Society II: Contemporary Art of the Millennial Generation”
*Media and Communication Studies*
April 23, 2014
Presenters by Name

University Center, 3rd floor

Student: May Li
Mentor: Dr. Ian Thorpe
Oral Presentation
UC 310
11:45 a.m.

“Numerical Modeling of Lipid Biosynthesis in Microalgae”
Biochemistry and Molecular Biology

Student: Lauren Lochocki
Mentor: Dr. Tyson King-Meadows
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Is the Voting Rights Act Still Necessary?: Attitudinal Support of Electoral Reform in a Post-Jim Crow Era”
Political Science

Student: Justine Lottermoser
Mentors: Dr. Laufey Amundadottir, Dr. Jason Hoskins
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Chromosome Conformation Capture in the chr13q22.1 Pancreatic Cancer Risk Locus”
Chemistry and Biochemistry

Student: Gaurav Luthria
Mentor: Dr. Bruce Johnson
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Structural Elucidation of RNA using Modern Energy Optimization Methods”
Chemistry and Biochemistry

Students: Vanessa Mackley, Vani Ravichandran
Mentor: Dr. Jennie Leach
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Using a Microelectrode Array Plate to Induce Action Potentials in Neural Cells Affected by Alzheimer's Disease”
Chemical, Biochemical, and Environmental Engineering

Student: Caitlyn Maczka
Mentor: Ms. Effie Siegel
Oral Presentation
UC 312
11:30 a.m.

“Rogue Species Unleashed: Examining Non-Native Invasive Species, A Biological Problem With Socioeconomic Consequences”
Biological Sciences
April 23, 2014
Presenters by Name

University Center, 3rd floor

Student: Behnam Majd
Mentor: Dr. Dwayne Arola
Oral Presentation
UC 310
1:45 p.m.

“Fatigue of Dentin after Diamond Abrasive Bur Preparations”
Mechanical Engineering

Student: Oleg Makarevich
Mentor: Dr. Lasse Lindahl
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“An Analysis of the Function of L24 in the Ribosomal Complex”
Biological Sciences

Student: Sarah Malesh
Mentor: Dr. Cheryl North
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Student Learning Objective: Relevant Ideas in Writing”
English

Student: John Malloy
Mentor: Dr. Kevin Omland
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Using Nuclear Introns to Infer the Evolutionary History of a Vulnerable Australian Songbird, the Norfolk Island Robin”
Bioinformatics and Computational Biology

Student: Logan Masters
Mentor: Dr. Linda Oliva
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Vocabulary and Geographic Features Student Learning Objectives”
History

Student: Kori McDonald
Mentor: Dr. Joel Liebman
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“The Characterization of All Carbon Structures, C4, C5, and C6”
Chemistry and Biochemistry
April 23, 2014

Presenters by Name

University Center, 3rd floor

Students: Samantha McDonald, Joshua Dutterer
Mentors: Dr. Amy Hurst, Dr. Shaun Kane
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Tactile Tools for Educational Research”
*Information Systems*

Students: Samantha McDonald, Joshua Dutterer
Mentor: Dr. Amy Hurst
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Usability of a Universal Jamming Gripper for Mobility Impairments”
*Information Systems*

Student: Cara McGaughran
Mentor: Ms. Esther Doyle Read
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Pottery Production Techniques of Ancient Greece”
*Ancient Studies*

Student: Leslie McNamara
Mentor: Dr. Anne Rubin
Oral Presentation
UC 312
2:00 p.m.

“The Law Won Over Big Money’: Tom Watson and the Leo Frank Case”
*History*

Students: Amy Mickhael, Alex Woo, Abigail Matthews
Mentor: Dr. Lynnda Dahlquist
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Experience and Enjoyment of Videogames and Virtual Reality Distraction from Pain”
*Psychology*

Student: Rajashree Mishra
Mentor: Dr. Maricel Kann
Oral Presentation
UC 310
10:00 a.m.

“Extraction of Interacting Orthologs from Literature”
*Bioinformatics and Computational Biology*
April 23, 2014
Presenters by Name

University Center, 3rd floor

Student: Larry Morton
Mentor: Dr. Gymama Slaughter
Oral Presentation
UC 310
2:30 p.m.

“Gold-Tip Nanoprobe Array Fabrication for Brain Characterization”
Computer Science and Electrical Engineering

Student: Tim Mullaney
Mentor: Dr. Ilsa Lottes
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Human Rights Violations in the Prison Industrial Complex”
Sociology and Anthropology

Student: Danya Murali
Mentor: Dr. Bradford Peercy
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Calcium Waves in the Neuronal Dendrite: Signal for Cellular Learning”
Mathematics and Statistics

Student: Steven Murcia
Mentor: Dr. Ilsa Lottes
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“United States Immigration Policy and Violations of Human Rights”
Sociology and Anthropology

Student: Jonathan Neal
Mentor: Dr. Diane Alonso
Oral Presentation
UC 312
11:00 a.m.
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Empathy Reconceptualized as a Dynamic Skillset”
Social Work

Student: Rebecca Neubauer
Mentor: Dr. William LaCourse
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Development of a Real World Screening Method for Nutraceuticals Using DSA-TOF”
Chemistry and Biochemistry
April 23, 2014

Presenters by Name

University Center, 3rd floor

Student: David Nicholson
Mentor: Dr. Ivan Erill
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Identifying Regulatory Sequences in Metagenomic Samples via Parallelized Search Algorithms and Permutation Analysis”
Biological Sciences

Student: Akua Nimarko
Mentor: Dr. Weihong Lin
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Expression Profile of Putative Receptors involved in Xenobiotics Detection in Mouse Olfactory Epithelium”
Biological Sciences

Student: Allyson Norris
Mentor: Dr. Linda Oliva
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Improving Students' Argumentative Writing Skills Using Informational Texts”
History

Student: Chisom Nwaneri
Mentor: Dr. Stephen Mathai
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“The Minimal Important Difference in the Borg Dyspnea Score for Patients with Pulmonary Arterial Hypertension”
Biological Sciences

Student: Maeva Nyandjo
Mentor: Dr. Suzanne Ostrand-Rosenberg
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“The Oxidative Stress Response Transcription Factor Nrf2 Does Not Affect BM Progenitor Cell Differentiation into MDSC”
Biological Sciences

Students: Priyanka Ochaney, Mehnaz Ali Khan, Parsa Khosravian, Jeanice Hwang
Mentors: Dr. Jeff Leips, Ms. Mariann Gabrawy
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Increasing Percent Survival of Drosophila melanogaster”
Biological Sciences
April 23, 2014

Presenters by Name

University Center, 3rd floor

Student: Joyce Ohiri
Mentor: Dr. Angela Brodie
Oral Presentation
UC 310
2:45 p.m.

“Characterizing the AC1-Exemestane Resistant Cell Line in Estrogen-Dependent Breast Cancer”

Biological Sciences

Student: Oseogie Okojie
Mentor: Dr. Lasse Lindahl
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“An Analysis of SecM-induced Ribosomal Pausing in Escherichia coli”

Biological Sciences

Students: Uchenna Okoro, Royce E. Onyimba
Mentor: Dr. Katherine Selye-Radtke
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Flexible Guanine Nucleobase Inhibitors of the HIV-1 Nucleocapsid Protein NCp7”

Biochemistry and Molecular Biology

Student: Elelbin Ortiz
Mentor: Dr. Phyllis Robinson
Oral Presentation
UC 310
3:15 p.m.

“Determining the Role of Melanopsin C-tail in Deactivation and Trafficking Using Chimeric Constructs”

Biochemistry and Molecular Biology

Students: Kwadwo Owusu-Boaitey, Nnamdi Edokobi
Mentor: Dr. Laundette Jones
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Examining the RANK-L Inhibitor as a Potential Chemopreventative in BRCA1 Mutant Mouse Models”

Biological Sciences

Student: John Papanikos
Mentor: Dr. Paul Smith
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Synthesis of a New Potential Inhibitor of the Hepatitis C Virus Helicase”

Chemistry and Biochemistry
April 23, 2014

Presenters by Name

University Center, 3rd floor

Student: Clarence Pascual
Mentor: Dr. Lasse Lindahl
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“The Diversity of Ribosomal Protein Function”
Biological Sciences

Student: Hinali Patel
Mentor: Dr. Susan Sonnenschein
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Children's Views about How Math Is Used by Themselves and Others”
Psychology

Student: Heather Perry
Mentor: Ms. Esther Doyle Read
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Building Egypt's Pyramid: A Lithic Past”
Ancient Studies

Student: Timothy Pillsbury
Mentor: Dr. Michael Hayden
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Using Quasi-Phase Matching for Enhanced Terahertz Generation”
Physics

Student: Alexander Pilon
Mentor: Dr. Diane Alonso
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Empathy Scores of Alcoholics and Non-Alcoholics”
Psychology

Students: Timothy Potteiger, William Heckert
Mentors: Dr. E.F. Charles LaBerge, Dr. John Pinkston
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

Computer Science and Electrical Engineering
April 23, 2014
Presenters by Name

University Center, 3rd floor

Student: Munanchu Poudel
Mentor: Dr. Stephen Miller
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“The Role of Polycomb Genes in the Development of Volvox carteri”
Biological Sciences

Student: Ryan Price
Mentor: Dr. Jonathan Singer
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Increasing Success in Honors Chemistry”
Chemistry and Biochemistry

Student: Alec Pulianas
Mentor: Dr. Tinoosh Mohsenin
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Hardware Implementation of Support Vector Machine Learning Algorithm for Personalized Seizure Detection using EEG Signal”
Computer Science and Electrical Engineering

Student: Elizabeth Quinones
Mentor: Dr. Christopher Rakes
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Dance Literacy”
Dance

Student: Nicolas Quizon
Mentor: Dr. Sebahattin Cirak
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Diagnosis in the First View: Dropped-Head Congenital Muscular Dystrophy Caused by de novo Mutation in the Lamin A/C Gene”
Biochemistry and Molecular Biology

Student: Catina Ramis
Mentor: Dr. Jonathan Singer
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“The Correlation between Aural Musicianship and Accuracy of Instrumental Music Playing”
Music

Student: Rosalind Ramsey
Mentor: Dr. Christopher Hennigan
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Carbon Monoxide Analysis in the Baltimore Area”
Chemical, Biochemical, and Environmental Engineering
April 23, 2014
Presenters by Name

University Center, 3rd floor

Student: Muhed Rana
Mentor: Dr. Jason Kestner
Oral Presentation
Engineering 023
11:15 a.m.

“Increase in Efficiency for Noise Cancelling in a Spin-qubit Array”
Physics

Student: Casey Rezac
Mentor: Dr. Christopher Murphy
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Do People with Antisocial Personality Disorder Engage in Different Patterns of Abuse than Other Partner Violent Men?”
Psychology

Student: William Rice
Mentor: Dr. David Mitch
Oral Presentation
UC 312
1:15 p.m.

“The Evolution of Trades and Occupations in Industrial England”
Economics

Student: Donald Richardson
Mentor: Dr. Bradford Peercy
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Development of a Cell Migration Model to Characterize Clustered Movements”
Mathematics and Statistics

Student: David Rivas
Mentor: Dr. Markos Georganopoulos
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Determining the Degree of Radiative Deceleration of Blazar Jets Due to Inverse Compton Scattering from Seed Photons in Molecular Torus”
Physics

Students: Amy Rizkallah, James Han
Mentor: Dr. Richard Karpel
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“The Search for DNA Binding Sites on Crotamine through Protein Chemical Modifications”
Biochemistry and Molecular Biology
April 23, 2014

Presenters by Name

University Center, 3rd floor

Student: Dustin Roddy  
Mentor: Dr. Kathy Bryan  
Film Presentation  
Engineering 023  
2:45 p.m.

“A Perspective of BMX Culture in Baltimore”  
American Studies

Student: Patrick Roderick  
Mentor: Dr. Marie desJardins  
Poster Presentation  
UC Ballroom  
12:00 p.m. - 2:00 p.m.

“Retention of Computing Majors”  
Computer Science and Electrical Engineering

Students: Nicholas Rogers, Victoria Taylor  
Mentor: Dr. Mark Marten  
Oral Presentation  
UC 310  
1:00 p.m.

“Production and Characterization of Aspergillus nidulans Mutants for Increased Protein Secretion”  
Chemical, Biochemical, and Environmental Engineering

Student: Nicole Ryan  
Mentor: Dr. Jonathan Singer  
Poster Presentation  
UC Ballroom  
10:00 a.m. - 12:00 p.m.

“Reading Tables and Graphs in the Science Classroom”  
Chemistry and Biochemistry

Student: Adam Rybczynski  
Mentor: Dr. Jeff Leips  
Poster Presentation  
UC Ballroom  
10:00 a.m. - 12:00 p.m.

“Functional Response of Parasitoid Wasps to Host Density: Implications for Density Dependent Selection”  
Biological Sciences

Student: Becca Scharf  
Mentor: Dr. Jamie Trevitt  
Poster Presentation  
UC Ballroom  
10:00 a.m. - 12:00 p.m.

“Investigating the Association between Having A Same Sex Relationship and Self Reported Health in Europe”  
Health Administration and Policy

Student: Alicia Serrato  
Mentor: Dr. Linda Baker  
Poster Presentation  
UC Ballroom  
10:00 a.m. - 12:00 p.m.

“College Students' Reading Comprehension Monitoring of Lexical and Semantic Violations in Think Aloud and Response Time”  
Psychology
April 23, 2014
Presenters by Name

University Center, 3rd floor

Student: Michelle Seu
Mentor: Dr. Michael Summers
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Investigation of Dimerization Mechanisms in the Simian Immunodeficiency Virus 5'-Untranslated Region”
Chemistry and Biochemistry

Student: Ian Shaffer
Mentor: Dr. William LaCourse
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“A Multifaceted Approach for the Analysis of Electronic Cigarettes using DSA-TOF and Headspace GC-MS”
Chemistry and Biochemistry

Student: Apurva Shah
Mentor: Dr. Lee Blaney
Oral Presentation
UC 310
10:30 a.m.

“Removal of Moxifloxacin from Wastewater by Adsorption onto Activated Carbon”
Chemical, Biochemical, and Environmental Engineering

Student: Christian Sias
Mentor: Dr. Anthony Johnson
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Examining the Photoluminescence and Band Gap Energy of Gallium Arsenide (GaAs)”
Physics

Student: Caleb Simmons
Mentor: Dr. Ivan Erill
Oral Presentation
UC 310
1:30 p.m.

“Hungry Monsters: A Computational Model for the Evolution of Metabolic Gene Regulation”
Mathematics and Statistics

Student: LaTonya Simon
Mentor: Dr. Nancy Fossett
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“ROS Mediators Control E-cadherin Expression in Drosophila Prohemocytes”
Biological Sciences

Student: Callison Sims
Mentor: Dr. Jonathan Singer
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Mathematics Instruction in Mendelian Genetics”
Biological Sciences
Students: Pranjal Singh, Dominick DiMercurio II
Mentor: Dr. Bradford Peery, Professor Michelle Starz-Gaiano, 
Poster Presentation 
UC Ballroom 
10:00 a.m. - 12:00 p.m.

“A Simplified Mathematical Model to Predict Activation of Migration of Drosophila Egg Chamber Border Cells”  
Mathematics and Statistics

Student: Alexandra Slepushkina
Mentor: Ms. Esther Doyle Read
Poster Presentation 
UC Ballroom 
2:00 p.m. - 4:00 p.m.

“Plain Ware Artifacts from Israel” 
Ancient Studies

Students: Eric Sluder, Nicole Whewell
Mentors: Dr. E.F. Charles LaBerge, Dr. Fow-Sen Choa
Poster Presentation 
UC Ballroom 
10:00 a.m. - 12:00 p.m.

“Design of a Non-invasive, Low-cost Brain-Computer Interface to Communicate Emotional State” 
Computer Science and Electrical Engineering

Student: Sebastian Snowberger
Mentor: Dr. Lee Blaney
Oral Presentation 
UC 310 
10:15 a.m.

“Identification of Potent Transformation Products of Fluoroquinolone Antibiotics Formed during Water Treatment”  
Chemical, Biochemical, and Environmental Engineering

Student: Amanda Sockriter
Mentor: Dr. Cheryl North
Poster Presentation 
UC Ballroom 
10:00 a.m. - 12:00 p.m.

“The Impact of Free Writing on Formal Writing Assignments”  
English

Students: Joshua Standiford, Daniel Abid
Mentor: Mr. Richard Wilson
Oral Presentation 
Engineering 023
1:00 p.m.

“Anticipatory Ethics in Engineering Regarding the Future of Powered Exoskeletons for Social, Explorative, and Military Use”  
Philosophy
Student: Natalie Steenrod  
Mentor: Dr. Katherine Seley-Radtke  
Poster Presentation  
UC Ballroom  
10:00 a.m. - 12:00 p.m.

“Targeting the Nucleocapsid Protein of HIV-1 (NCp7) with Nucleobase Flexibility”  
Chemistry and Biochemistry

Student: Nicholas Stewart  
Mentor: Dr. Ivan Erill  
Poster Presentation  
UC Ballroom  
10:00 a.m. - 12:00 p.m.

“Using Structural Parameters in Transcription Factor Binding Site Prediction”  
Computer Science and Electrical Engineering

Student: Stephanie Stookey  
Mentor: Dr. Yantao Li  
Poster Presentation  
UC Ballroom  
12:00 p.m. - 2:00 p.m.

“Optimization of Triacylglycerol Production in C. zofingiensis and Enzyme-based Conversion for Biodiesel Production”  
Biological Sciences

Student: Suejane Tan  
Mentor: Dr. William LaCourse  
Poster Presentation  
UC Ballroom  
2:00 p.m. - 4:00 p.m.

“Optimization and Exploration of Sampling Methods Affecting Ionization Efficiency for Direct Sample Analysis (DSA)”  
Biological Sciences

Student: Ke (Coco) Tang  
Mentor: Dr. Brigid Starkey  
Film Presentation  
Engineering 023  
10:15 a.m.

“From the Lion's Mouth: the Syrian Refugee Crisis from a Jordanian Perspective”  
Political Science

Student: Devin Taylor  
Mentor: Dr. Ron Marchelletta  
Oral Presentation  
UC 312  
11:15 a.m.

“The Effect of Microgravity on the Intestinal Tight Junction Proteins”  
Chemistry and Biochemistry

Student: Doris Taylor  
Mentor: Dr. Weihong Lin  
Poster Presentation  
UC Ballroom  
10:00 a.m. - 12:00 p.m.

“Effect of Irritant Exposure on Mice”  
Biological Sciences
April 23, 2014

Presenters by Name

University Center, 3rd floor

Students: James Taylor, Kedar Perkins
Mentor: Dr. William LaCourse
Oral Presentation
UC 310
2:00 p.m.

“Characterizing Extractables in Polymers”
Chemistry and Biochemistry

Students: Tenji Tembo, Michael Bishoff, Nicholay Topin
Mentors: Dr. Marie DesJardins, Dr. James MacGlashan
Oral Presentation
Engineering 023
2:30 p.m.

“Creating Extended Temporal Actions through State Abstraction Techniques”
Computer Science and Electrical Engineering

Student: Blossom Tewelde
Mentor: Dr. Steven Munger
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Identification of a Novel Alternatively-spliced mRNA Isoform of the Human Taste Receptor TAS1R3”
Biochemistry and Molecular Biology

Student: Patricia Timi
Mentor: Dr. Patricio O'Donnell
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Comparison of Electrophysiological Biomarkers in Rodents and Humans under Acute and Chronic NMDA Receptor Antagonism”
Biological Sciences

Student: Thanhlong Tran
Mentor: Dr. Jeff Leips
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Dietary Restriction and the Effects of the Syndecan Gene on Lifespan in Drosophila”
Biological Sciences

Student: Phoebe Tsoi
Mentor: Dr. Marie-Christine Daniel
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Synthesis of Dendritic System for the Delivery of Chemotherapeutic Agents”
Biochemistry and Molecular Biology
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<tbody>
<tr>
<td>Mentor: Dr. Ilsa Lottes</td>
<td>Sociology and Anthropology</td>
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<tr>
<td>Poster Presentation</td>
<td>UC Ballroom</td>
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<thead>
<tr>
<th>Student: Danielle Tyson</th>
<th>“Characterization of Microvillus Cell Function in the Murine Main Olfactory Epithelium”</th>
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<tbody>
<tr>
<td>Mentor: Dr. Weihong Lin</td>
<td>Biological Sciences</td>
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<tr>
<th>Student: Krizia-Ivana Udquim</th>
<th>“Detection and Discrimination of Botrytis Species Using Quantitative Polymerase Chain Reactions Melting Curve Analysis”</th>
</tr>
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<td>Mentor: Dr. Brenda Schroeder</td>
<td>Biological Sciences</td>
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<th>Student: Michael Valerino</th>
<th>“Development of an Inexpensive, Portable Seawater pCO2 Analyzer for Estuarine Waters”</th>
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<td>Mentor: Dr. Christopher Hintz</td>
<td>Chemical, Biochemical, and Environmental Engineering</td>
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<th>Student: Kathy Vu Nan Zhou</th>
<th>“Chinese Immigrant and European American Mothers' Parenting Beliefs: A Cultural Understanding of Parental Control”</th>
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<td>Mentor: Dr. Charissa Cheah</td>
<td>Psychology</td>
</tr>
<tr>
<td>Poster Presentation</td>
<td>UC Ballroom</td>
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<td>10:00 a.m. - 12:00 p.m.</td>
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<table>
<thead>
<tr>
<th>Student: Mashhood Wani</th>
<th>“The Role of Adiponectin in High-Fat Mediated Cardioprotective Programs”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mentor: Dr. W. Keith Jones</td>
<td>Biochemistry and Molecular Biology</td>
</tr>
<tr>
<td>Oral Presentation</td>
<td>UC 310</td>
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<tr>
<td>11:15 a.m.</td>
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<thead>
<tr>
<th>Student: William Weeks</th>
<th>“Student Learning Outcomes for the Social Studies Middle School Classroom”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mentor: Dr. Linda Oliva</td>
<td>History</td>
</tr>
<tr>
<td>Poster Presentation</td>
<td>UC Ballroom</td>
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</tbody>
</table>
April 23, 2014

Presenters by Name

University Center, 3rd floor

Students: Ann Marie Weideman, Bilal Moiz
Mentors: Dr. Bradford Peercy, Dr. Michelle Starz-Gaiano
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Asymmetric Activation Patterns: The Impact of Extracellular Geometry on the Distribution of Signaling Molecules”
Mathematics and Statistics

Student: Paul Weisko
Mentor: Dr. Kate Brown
Oral Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Do the Posters Match the Writings: Russian Civil War Leaders' Writings and Propaganda Posters”
History

Student: Bianca West
Mentor: Dr. Mariano Sto. Domingo
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Are College Women's Perceptions of Women Influenced by Skin Tone and Body Size?”
Psychology

Student: Charles White
Mentor: Dr. Bernard Lohr
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Determining Song Output in Song Birds”
Biological Sciences

Students: Caleb Williams, Hannah Korangkool
Mentor: Mr. Doug Hamby
Artistic Performance Presentation
FA 317
10:30 a.m.

“I'm Here”
Dance

Student: Jennie Williams
Mentor: Dr. Michelle Stefano
Oral Presentation
UC 312
10:45 a.m.

“A Regular Gig: Understanding the Benefits of Open Mic Performance”
American Studies
April 23, 2014
Presenters by Name

University Center, 3rd floor

Student: Lacey Wilson
Mentor: Dr. Michelle Scott
Oral Presentation
UC 312
2:30 p.m.

“The Addy Walker Stories: Studies of Enslaved Black Girlhood”
History

Student: Pauline Xu
Mentor: Dr. Elsa Garcin
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“Mechanism of Post-Translational Modification of Glyceraldehyde-3-Phosphate-Dehydrogenase by Dithiolethione Compounds”
Biochemistry and Molecular Biology

Student: Keerthi Yarlagadda
Mentor: Dr. Linda Baker
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Comprehension Monitoring of College Students Reading Inconsistent Texts in Think Aloud and Response Time Protocols”
Psychology

Student: Saiah Yates
Mentor: Dr. Jeff Leips
Poster Presentation
UC Ballroom
12:00 p.m. - 2:00 p.m.

“The Great Escape: The Effects of Medication and Age on Drosophila Strength”
Biological Sciences

Student: Tamerat Yilma
Mentor: Dr. William LaCourse
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“The Quantification of Phospholipids in Cell Growth Media”
Chemistry and Biochemistry

Student: Joyce Yoon
Mentor: Dr. Jonathan Singer
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Improving Scientific Writing through Basic Writing Skills and Scaffolding”
Chemistry and Biochemistry

Students: Ezzedine Zaatari, Jesse Johnson
Mentor: Dr. Lark Claassen
Poster Presentation
UC Ballroom
10:00 a.m. - 12:00 p.m.

“Monitoring Cell Growth throughout the Chlamydomonas reinhardtii Cell Cycle”
Biological Sciences
Student: Michael Zurkowski
Mentor: Dr. Jonathan Singer
Poster Presentation
UC Ballroom
2:00 p.m. - 4:00 p.m.

“Student Learning Outcome: Communicating Engineering Design”
Interdisciplinary Studies