April 22, 2015
URCAD Presenters in Alphabetical Order

Student(s): Hollie Adejumo  
Mentor: Dr. Lee Blaney  
Oral Presentation  
UC 310, 1:00 PM

“Occurrence and Distribution of Quinolone Resistance Genes in Baltimore Wastewater”  
Chemical, Biochemical, and Environmental Engineering

Student(s): Heinz Adjakwah  
Mentor: Mr. Doug Hamby  
Artistic Performance Presentation  
PAHB 337, 11:45 AM

“Tarantism”  
Dance

Student(s): Ifeolu Akinnola  
Mentor: Dr. Phyllis Robinson  
Poster Presentation  
Ballroom, 2:00 PM – 4:00 PM

“The Expression and Role of Melanopsin in Paralichthys dentatus”  
Biological Sciences

Student(s): Brandon Alexander  
Mentor: Dr. Jason Kestner  
Oral Presentation  
UC 310, 2:45 PM

“Optimization of Finite-Bandwidth Pulse Sequences for Spin Qubits”  
Physics

Student(s): Ehson Aligholizadeh  
Mentor: Dr. David J. Weber, Dr. Michael Cavalier  
Poster Presentation  
Ballroom, 10:00 AM – 12:00 PM

“Structure Relationships of Small Molecules Targeting the Protein-Protein Interactions of S100B”  
Biochemistry and Molecular Biology

Student(s): Theophilus Aluko  
Mentor: Dr. Haibo Dong  
Poster Presentation  
Ballroom, 2:00 PM – 4:00 PM

“Design of Bio-Inspired Morphing Wings for High Performance Lift”  
Mechanical Engineering

Student(s): Juan Alvarez  
Mentor: Dr. Suzanne Ostrand-Rosenberg  
Poster Presentation  
Ballroom, 12:00 PM – 2:00 PM

“A Recombinant Protein as a Cancer Therapeutic to Overcome Tumor-Related Immune Suppression and Enhance Tumor Rejection”  
Biological Sciences
April 22, 2015
URCAD Presenters in Alphabetical Order

Student(s): Roy Anderson
Mentor: Dr. L.D. Timmie Topoleski
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

“The Effects of Vascular Calcification on the Mechanical Properties of Elastin in Arteries”
Mechanical Engineering

Student(s): William Angel
Mentor: Dr. Hua Lu
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

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

Student(s): Kelitah Armstrong
Mentor: Dr. Kyung-eun Yoon, Dr. Anna Shields
Oral Presentation
UC 312, 1:45 PM

“Dialect Attitudes and Prestige Values among Korean Dialects”
Modern Languages, Linguistics, and Intercultural Communication

Student(s): Alvaro Arrospide Fletcher
Mentor: Dr. Jacob Kogan
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

“Clustering Text Data with BIRCH”
Mathematics and Statistics

Student(s): Sara Arussy
Mentor: Dr. Mark Marten
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

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

Student(s): Christine Au
Mentor: Dr. William Brown
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM

“Conflicts of Confucian Ideals and Pragmatic Battle Strategies in Romance of the Three Kingdoms”
Asian Studies

Student(s): Ifemayowa Aworanti
Mentor: Dr. Douglas Frey
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM

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

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April 22, 2015
URCAD Presenters in Alphabetical Order

**Student(s): Sara Azeem**
Mentor: Dr. Philip Farabaugh
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

“The Study of rbfA Suppressor Mutations and the Contribution of RbfA to Ribosomal Biogenesis”
*Biological Sciences*

**Student(s): Ryan Bailey**
Mentor: Mr. Doug Hamby
Artistic Performance Presentation
PAHB 337, 10:30 AM

“Four Blue Skies”
*Dance*

**Student(s): Sagar Bajpai**
Mentor: Dr. Charles Bieberich
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

“Characterizing Urinary Dysfunction in an Inducible Mouse Model for Prostate Inflammation”
*Biochemistry and Molecular Biology*

**Student(s): Gabriella Balaa**
Mentor: Dr. Songon An
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

“Quantitative Analysis of Purine Nucleotide Pools Involved in an AMPK Regulatory Loop”
*Biochemistry and Molecular Biology*

**Student(s): Eileen Barden**
Mentor: Dr. Robin Barry
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

“Do Couples Experience Disparities in Subjective Well-being Based on SES or Ethnicity and are they Buffered by Support?”
*Psychology*

**Student(s): Amber Barnett**
Mentor: Dr. David Rosenbloom
Oral Presentation
Eng 023, 3:30 PM

“The Representation of Clytemnestra and Hecuba in Fifth-Century Ancient Athenian Tragedy and Pottery”
*Ancient Studies*

**Student(s): Robert Barrett**
Mentor: Dr. Sarah Chard
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM

“Healthcare Mediation by a Community-based Organization for Gender and Sexual Minorities in Udupi, India”
*Sociology and Anthropology*

**Student(s): Rebecca Behnke**
Mentor: Mr. Doug Hamby
Artistic Performance Presentation
PAHB 337, 10:15 AM

“Dance and Movement Therapy Techniques as a Mode of Choreographic Exploration”
*Dance*
Student(s): Lucinda Bennett  
Mentor: Dr. Preminda Jacob  
Poster Presentation  
Ballroom, 12:00 PM – 2:00 PM

“A Study in the Visual Culture of Cosplay”  
Visual Arts

Student(s): Sierra Benson-Brown  
Mentor: Ms. Esther Doyle Read  
Poster Presentation  
Ballroom, 12:00 PM – 2:00 PM

“Fragments of the Past: Pagan Iconography in Synagogues”  
Ancient Studies

Student(s): Nina Beri  
Mentor: Dr. Jeffrey Gardner  
Oral Presentation  
UC 310, 2:30 PM

“Determination of Essential Xylanases in Cellvibrio japonicus”  
Biological Sciences

Student(s): William Birmingham  
Mentor: Professor Carlos Romero-Talamás Mentor  
Poster Presentation  
Ballroom, 12:00 PM – 2:00 PM

“Analytic Thermal Design of Bitter-Type Solenoids”  
Mechanical Engineering

Student(s): Tiana Boardley  
Mentor: Dr. Mauricio Bustos  
Poster Presentation  
Ballroom, 2:00 PM – 4:00 PM

“A Program that Illuminates the Mathematical Foundations of Neuron Resting and Action Potentials”  
Mathematics and Statistics

Student(s): Jeffrey Bowman  
Mentor: Dr. Jonathan Singer  
Poster Presentation  
Ballroom, 12:00 PM – 2:00 PM

“Student Learning Objective Regarding Graph Interpretation”  
Education

Student(s): Syrena Bracey  
Mentor: Dr. Songon An  
Poster Presentation  
Ballroom, 12:00 PM – 2:00 PM

“Subcellular Localization of Glucose-6-Phosphatase and Phosphofructokinase in Glucose Metabolism”  
Chemistry and Biochemistry

Student(s): Nina Burgess  
Mentor: Dr. Lindsay DiCuirci  
Oral Presentation  
UC 310, 11:30 AM

“Acknowledgement as a Literary Trope in the African American Literary Canon”  
English
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<th>Student(s)</th>
<th>Mentor(s)</th>
<th>Topic</th>
<th>Event Details</th>
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<tr>
<td>Nina Burgess</td>
<td>Dr. Cheryl North</td>
<td>“A Meta-cognitive Approach to Cultivating Writing in Context”</td>
<td>Education</td>
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<td>Andres Camacho, Jack Neumeier</td>
<td>Ms. Jill Wrigley</td>
<td>“True Greens: Creating a Community-Based Food System”</td>
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<td>Mbalou Camara</td>
<td>Dr. T.H. (Tim) Gindling, Dr. Cynthia Hody</td>
<td>“The Economics and Politics of Non-Contributory Pensions in Argentina”</td>
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<tr>
<td>Audra Campbell</td>
<td>Dr. Amy Froide</td>
<td>“Joyce Jeffries: A Female Moneylender in 17th-Century England”</td>
<td>History</td>
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<td>Susanna Campbell</td>
<td>Dr. Kevin Omland</td>
<td>“Documentation of Female Song in a Newly Recognized Species, the Puerto Rican Oriole (Icterus portoricensis)”</td>
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<tr>
<td>Eliot Carney-Seim, Austin Pagano, Michael Leung, Andrea Wozniak, Zach Holtzman</td>
<td>Dr. Marc Olano</td>
<td>“Advances in Training of Video Game Development Teams”</td>
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<tr>
<td>Stephanie Castner</td>
<td>Mr. Doug Hamby</td>
<td>“Touched”</td>
<td>Dance</td>
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Student(s): Haneet Chadha
Mentor: Dr. Charles Bieberich
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM
“Understanding the Role of Passenger Genes in the HoxB13/Myc/T-Cre Prostate Cancer Model”
Biological Sciences

Student(s): Sheetal Chopra
Mentor: Dr. Hans Bjornsson, Dr. Jill Fahrner
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM
“A Mouse Model of Kabuki Syndrome Shows Evidence of Deficient Neurogenesis”
Biological Sciences

Student(s): Tobias Clevinger
Mentor: Dr. Elsa Garcin
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM
“Application of Human Glucokinase to Measure Glucose Levels in vitro”
Chemistry and Biochemistry

Student(s): NaQuita Coates
Mentor: Dr. Robin Barry
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM
“Is Sexual Satisfaction a Buffer for Relational Satisfaction When There is Religious Tension?”
Psychology

Student(s): Niara Comrie, Emily Canapp, Lailynn Reyes
Mentor: Mr. Richard Wilson
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM
“Anticipating Future Ethical Issues with Prosthetic Devices”
Mechanical Engineering

Student(s): Eileen Connell
Mentor: Dr. Colin Studds
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM
“Population Genetics of the American Redstart: Locating the Winter Sites”
Geography and Environmental Systems

Student(s): Melissa Crowhurst
Mentor: Dr. Joseph Morin, Ms. Janice Jackson
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM
“Old Italian Singing as an Alternative to Modern Vocal Pedagogy”
Music
URCAD Presenters in Alphabetical Order

Student(s): Melissa Crowhurst  
Mentor: Dr. Jonathan Singer  
Poster Presentation  
Ballroom, 12:00 PM – 2:00 PM  
“Sight Reading Skills in a Music Classroom”  
*Education*

Student(s): Daniel Dagenhart  
Mentor: Dr. Ian Thorpe, Ms. Ester Sesmero  
Poster Presentation  
Ballroom, 12:00 PM – 2:00 PM  
“Analyzing the Mechanism of Allosteric Inhibitor AG6 on Hepatitis C Viral Polymerase”  
*Biochemistry and Molecular Biology*

Student(s): Raissa Dantas  
Mentor: Dr. Mark Marten, Dr. Liliane Ribeiro  
Poster Presentation  
Ballroom, 10:00 AM – 12:00 PM  
“Heterologous Expression of Monooxygenase AA9 from *Aspergillus nidulans*”  
*Biochemistry and Molecular Biology*

Student(s): Suravi Das  
Mentor: Mr. Michael Nolin, Ms. Katie Birger  
Poster Presentation  
Ballroom, 2:00 PM – 4:00 PM  
“Pre-pregnancy Obesity and its Correlation with Singleton Preterm Birth”  
*Health Administration and Policy*

Student(s): Aaron David, Paul Giro, Andrew Duhan, Leah Mason, Alfred Yeager  
Mentor: Dr. E.F. Charles LaBerge  
Poster Presentation  
Ballroom, 2:00 PM – 4:00 PM  
“Automated Solution to Overhead Crane Runway Surveying”  
*Computer Science and Electrical Engineering*

Student(s): William Dean  
Mentor: Dr. Mark Allen  
Poster Presentation  
Ballroom, 10:00 AM – 12:00 PM  
“Lithium Nickel Borate as a Cathode Material for Lithium-Ion Batteries”  
*Chemistry and Biochemistry*

Student(s): Vignesh Dhanasekaran, Daniel Abid, Joshua Lay, Keiran Holmes  
Mentor: Dr. E.F. Charles LaBerge  
Poster Presentation  
Ballroom, 10:00 AM – 12:00 PM  
“Design of a Real-Time Digital Guitar Pitch Shifter”  
*Computer Science and Electrical Engineering*
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<th>Student(s)</th>
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<td>Chinwe Di-ibor</td>
<td>Dr. Christopher Rakes</td>
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<td>“Effect of Accessible Language on Students’ Ability to Create Mathematical Models of Real World Scenarios”</td>
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<td>Dominick DiMercurio</td>
<td>Dr. Michelle Starz-Gaiano, Dr. Bradford Peery</td>
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<td>“Simulated and Experimental Effects of RNA Interference on Cell Motility”</td>
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<tr>
<td>Kelsey Donnellan</td>
<td>Ms. Jill Wrigley</td>
<td>Poster Presentation</td>
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<td>“Eating Habits of College Students at UMBC”</td>
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<td>Emily Eaglin</td>
<td>Mr. Vin Grabill</td>
<td>Film Presentation</td>
<td>Eng 023</td>
<td>“Future Children”</td>
<td>Visual Arts</td>
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<tr>
<td>Nnamdi Edokobi</td>
<td>Dr. Laundette Jones</td>
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<td>Ballroom</td>
<td>“A Community-based Approach to Translational Research Addressing Breast Cancer Disparities in Baltimore City”</td>
<td>Biochemistry and Molecular Biology</td>
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<tr>
<td>Erin Edwards</td>
<td>Dr. Michael Lane, Ms. Esther Read</td>
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<td>Eng 023</td>
<td>“Dental Health of the Delmarva Adena-Hopewell Native Americans”</td>
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<td>Alex Eftimiades</td>
<td>Dr. James Franson</td>
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<td>“Quantum Mechanics in Curved Spacetime”</td>
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<tr>
<td>Arielle Erenrich</td>
<td>Dr. Jessica Berman</td>
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<td>UC 312</td>
<td>“Examining the Intersections of Bildungsroman and Immigration Narratives in Contemporary United States Fiction”</td>
<td>English</td>
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Student(s): Marie Espiritu
Mentor: Dr. Ian Thorpe, Ms. Ester Sesmero
Oral Presentation
UC 312, 11:00 AM

“Understanding Allosteric Inhibition of the Hepatitis C Virus Polymerase Using Non-Nucleoside Inhibitors”
Chemistry and Biochemistry

Student(s): Sierra Francis
Mentor: Dr. Omar Ka, Mr. James Thomas, Dr. Marie DeVerneil, Dr. Anna Shields
Oral Presentation
UC 312, 1:30 PM

“Mohawk and Cherokee Language Revitalization: Overview, Assessment, and Challenges”
Modern Languages, Linguistics, and Intercultural Communication

Student(s): Megan Gallagher
Mentor: Dr. Bernard Lohr
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM

“Song Repertoire of the Marsh Wren (Cistothorus palustris) on the Gulf Coast: Implications for Sexual Selection”
Biological Sciences

Student(s): Sanchari Ghosh
Mentor: Dr. Sarah Michel
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM

“CPSF30: A Novel Zinc-Finger Protein with Therapeutic Value”
Chemistry and Biochemistry

Student(s): Ethan Glaser
Mentor: Dr. Ryan White
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM

“Using Biocompatible Hydrogels to Protect Electrochemical RNA Aptamer-Based Sensors for Continuous Drug Load Monitoring”
Biochemistry and Molecular Biology

Student(s): Zachary Goldberg
Mentor: Dr. Brigid Starkey
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM

“Protracted Social Conflict Theory and Hamas-Israeli Tensions”
Political Science

Student(s): Shelby Goodwin, Robin Arnold
Mentor: Dr. Raimi Quiton, Ms. Eryka Boyd
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

“Sex Differences in the Relationship Between Pain Catastrophizing and Laboratory Pain”
Psychology
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URCAD Presenters in Alphabetical Order

Student(s): Nicole Gosnell  
Mentor: Dr. Lynnda Dahlquist  
Poster Presentation  
Ballroom, 12:00 PM – 2:00 PM

“Relation Between Anxiety and Pain in Healthy Children”  
Psychology

Student(s): Andrew Graham-Yool  
Mentor: Dr. Erin Green  
Poster Presentation  
Ballroom, 10:00 AM – 12:00 PM

“Investigation of Histone Methyltransferases Set1 and Set5 to Identify Mechanisms of ncRNA at Transposable Elements”  
Biological Sciences

Student(s): Zane Gray, Jaskeerat Singh  
Mentor: Mr. Richard Wilson  
Oral Presentation  
UC 312, 3:30 PM

“On the Precipice of Life: A Contractarian Analysis of Suspended Animation with Biomedical and Engineering Implications”  
Chemical, Biochemical, and Environmental Engineering

Student(s): Shana Gregory  
Mentor: Dr. Laundette Jones  
Poster Presentation  
Ballroom, 2:00 PM – 4:00 PM

“Defining a Role of BRCA1 in the Differential Susceptibility to Obesity Between Male and Female Mice”  
Biological Sciences

Student(s): Brenda Gutierrez  
Mentor: Dr. Ryan White  
Poster Presentation  
Ballroom, 2:00 PM – 4:00 PM

“Microcylinder Sensors for the Extracellular Microenvironment”  
Chemistry and Biochemistry

Student(s): Andrew Gwynn  
Mentor: Ms. Esther Doyle Read  
Poster Presentation  
Ballroom, 2:00 PM – 4:00 PM

“Algonquin Pre-Contact Settlement Patterns and Practices of the Chesapeake Bay Watershed”  
Ancient Studies

Student(s): Aureanna Hakenson  
Mentor: Dr. Thomas Field, Dr. Christine Mallinson  
Oral Presentation  
UC 312, 2:00 PM

“Student Attitudes Toward English Language Variation in Education”  
Modern Languages, Linguistics, and Intercultural Communication

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Student(s): Nickolette Hanzigiannis
Mentor: Dr. Charissa Cheah
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM

“A Comparison of Mothers' Expressions of Warmth towards their Young Children: Does Culture Matter?”
Psychology

Student(s): Jichele Harris
Mentor: Dr. Mark Rogers
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM

“The Effect of Combined High Intensity Induced Step Training and Muscle Strengthening Training Program on Gait Velocity and Balance in Older Adults”
Mechanical Engineering

Student(s): Natalie Harris, Olubukola Abiona
Mentor: Dr. Weihong Lin, Dr. Tatsuya Ogura
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

“Regulating Chemical Access to Mouse Vomeronasal Organ by Solitary Chemosensory Cells”
Biological Sciences

Student(s): Shahzeb Hassan
Mentor: Dr. Philip Farabaugh
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM

“The Significance of Ribosomal Protein Paralogs in Saccharomyces cerevisiae”
Biological Sciences

Student(s): Sarah Hayman
Mentor: Dr. Christopher Rakes
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM

“Improving Student Problem Solving Using Reflective Math Tasks”
Education

Student(s): Claire Hempel
Mentor: Dr. Claudia Galindo
Oral Presentation
Eng 023, 4:00 PM

“Social-Emotional Skills of Young Latino English Learners: The Influence of the Classroom Context”
Language, Literacy, and Culture

Student(s): Christopher Hogue
Mentor: Ms. Cathy Cook
Film Presentation
Eng 023, 2:15 PM

“Sicario”
Visual Arts
Student(s): Donald Hong
Mentor: Dr. Paul Smith
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM

“Synthesis of Allenes for Photochemical Devices”
Biochemistry and Molecular Biology

Student(s): Chana R. Honick
Mentor: Dr. Stephen Freeland
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

“Art Installations as a Means of Increasing Scientific Awareness: The Haber Process”
Interdisciplinary Studies

Student(s): Chana R. Honick, Brian K. Gibson Jr.
Mentor: Dr. Lisa Kelly, Dr. Stephen Mang
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM

“A Portable Detection Platform for Hypochlorite via Chemiluminescence”
Chemistry and Biochemistry

Student(s): Atizaz Hussain
Mentor: Dr. Tapas Makar
Oral Presentation
UC 310, 3:00 PM

“Mitochondrial Biogenesis and Function are Decreased with HIV-1-Associated Kidney Damage”
Biochemistry and Molecular Biology

Student(s): Noah Hutton
Mentor: Dr. Jonathan Singer
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

“Unit Conversion”
Education

Student(s): Barbara Israel
Mentor: Ms. Esther Doyle Read
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM

“Decorated Kamares Ware from the Middle Minoan Period”
Ancient Studies

Student(s): Hanna Jardel
Mentor: Dr. Sarah Chard, Dr. Bambi Chapin
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM

“Understandings of Sexual Identity from a Person-Centered Interview Approach”
Sociology and Anthropology
April 22, 2015
URCAD Presenters in Alphabetical Order

Student(s): Maniraj Jeyaraju
Mentor: Dr. Sarah Chard
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM

“Physician-Patient Relationships: Understanding Physicians' Perspectives”
Sociology and Anthropology

Student(s): Catrina Johnson
Mentor: Dr. Rachel Brewster
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

“Investigating the Role of HIF1-α in Anoxia Tolerance in Zebrafish Embryos”
Biological Sciences

Student(s): Hannah Jones
Mentor: Dr. Marjoleine Kars
Oral Presentation
UC 312, 10:30 AM

“Philanthropy and Reputation in the Lives of Joseph Townsend and Baltimore's 'public-spirited citizens’”
History

Student(s): Michaela Jones
Mentor: Dr. Michelle Starz-Gaiano
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

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

Student(s): Yoo-Jin Kang
Mentor: Dr. Bambi Chapin
Oral Presentation
Eng 023, 1:15 PM

“East-Asian-American Student Perspectives on Romantic Relationships and Violence”
Interdisciplinary Studies

Student(s): Kit Kearney, Andrew Comer, Marcus Flores, Lewis Gould, Daniel Zuckerbroad
Mentor: Dr. E. F. Charles LaBerge
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

“Simple Sensor Box”
Computer Science and Electrical Engineering

Student(s): Aaron Kennet, Benjamin Straube, Philip Swanson
Mentor: Dr. Tyson King-Meadows
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM

“The Perils and Promise of Localizing National Politics: A Case Study of the 2014 Maryland Gubernatorial Election”
Political Science

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Student(s): Omar Khalid
Mentor: Dr. Tapas Makar
Oral Presentation
UC 310, 2:00 PM

“Inhibition of AQP4 Causing Renal Failure Mediated Through Endoplasmic Reticulum Stress in HIV Transgenic Mice”
Biological Sciences

Student(s): Alicia Khan
Mentor: Dr. Jae Lee
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

“SOCS3 Deletion Decreases the Capacity of NG2 Cells to Differentiate into Oligodendrocytes in the Uninjured Brain”
Biochemistry and Molecular Biology

Student(s): Ahmna Khan
Mentor: Dr. Charissa Cheah
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM

“Do Parenting Styles and Practices Interact to Predict Chinese-American Children's Adjustment?”
Psychology

Student(s): Seema Khandagle
Mentor: Dr. Jonathan Singer
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM

“Improving Student Performance on Dimensional Analysis in Stoichiometry”
Education

Student(s): Jin Kim
Mentor: Dr. Kevin Omland, Dr. Matthias Gobbert
Oral Presentation
UC 310, 10:30 AM

“Speciation Reversal: The Case of the Common Raven”
Biological Sciences

Student(s): Steven Klement
Mentor: Dr. Linda Oliva
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM

“Reducing Test Anxiety to Improve Students’ Learning”
Education

Student(s): Hannah Korangkool
Mentor: Mr. Stephen Bradley
Film Presentation
Eng 023, 11:00 AM

“Arroy: The Thai Food Cart”
Visual Arts

Student(s): Benjamin Korbelak
Mentor: Dr. Christopher Rakes
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

“Increasing Student Successes with Challenging Unfamiliar Problems Through Exposure”
Education
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<th>Student(s)</th>
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<th>Mentor(s)</th>
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<td>Samuel Kraft, Labeeb Ahmed, Jason Chang</td>
<td>“Participatory Mapping as a Means of Ground-Truthing Habitat Loss in Costa Rican Biological Corridors”</td>
<td>Geography and Environmental Systems</td>
<td>Dr. Margaret Holland</td>
<td>Ballroom, 10:00 AM – 12:00 PM</td>
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<tr>
<td>Hollie Kuhn</td>
<td>“Evaluating Techniques Used to Enhance Middle School Writing”</td>
<td>Education</td>
<td>Dr. Cheryl North</td>
<td>Ballroom, 12:00 PM – 2:00 PM</td>
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<tr>
<td>Ashley Kwon</td>
<td>“Analyze Cell Fate Determination in Arabidopsis with Erwinia amylovora Infection”</td>
<td>Biological Sciences</td>
<td>Dr. Hua Lu, Ms. Safae Hamdoun</td>
<td>Ballroom, 12:00 PM – 2:00 PM</td>
</tr>
<tr>
<td>Andrew Lee</td>
<td>“Interracial Romantic Relationships, Attachment Style and Relationship Stability”</td>
<td>Psychology</td>
<td>Dr. Robin Barry</td>
<td>Ballroom, 10:00 AM – 12:00 PM</td>
</tr>
<tr>
<td>Jessica Lee</td>
<td>“Absorbance of Pharmaceuticals Exposed to Ultraviolet (UV) Light as a Function of pH, Treatment Level, and Wavelength”</td>
<td>Chemical, Biochemical, and Environmental Engineering</td>
<td>Dr. Lee Blaney</td>
<td>UC 310, 1:15 PM</td>
</tr>
<tr>
<td>Alina Lightchaser</td>
<td>“Subclinical Symptoms of Post-Traumatic Stress Disorder are not Associated with MRI Assessed Brain Volumes”</td>
<td>Psychology</td>
<td>Dr. Shari Waldstein</td>
<td>Ballroom, 10:00 AM – 12:00 PM</td>
</tr>
<tr>
<td>Lucas Link</td>
<td>“Comparative Composing: a String Trio and a cappella Choral Music”</td>
<td>Music</td>
<td>Dr. Linda Dusman</td>
<td>ENG 023, 2:45 PM</td>
</tr>
<tr>
<td>Andy Little</td>
<td>“Translating Primary and Secondary Sources Into an Argument: Using Historical Evidence in Writing”</td>
<td>Education</td>
<td>Dr. Linda Oliva</td>
<td>Ballroom, 10:00 AM – 12:00 PM</td>
</tr>
</tbody>
</table>
April 22, 2015
URCAD Presenters in Alphabetical Order

Student(s): Michael Lopresti
Mentor: Dr. Tamra Mendelson
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM

“Estimating the Timing of a Major Geological Event using Sequence Divergence of Freshwater Fishes”
Biological Sciences

Student(s): Justine Lottermoser
Mentor: Dr. Ryan White
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM

“The First Electrochemical, Aptamer-Based Sensor on a Carbon Surface”
Biochemistry and Molecular Biology

Student(s): James Loy
Mentor: Dr. Matthew Pelton
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

“Computer Interface for Optical Studies of Single Nanoparticles”
Physics

Student(s): Corinne Luetje
Mentor: Dr. Christopher Rakes
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM

“Choreographed Dance Routines, Student Learning Outcome”
Education

Student(s): Rachel Lum
Mentor: Mr. Doug Hamby
Artistic Performance
Presentation
PAHB 337, 11:00 AM

“Articulating Space”
Dance

Student(s): Gaurav Luthria
Mentor: Dr. Bruce Johnson
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM

“Developing Algorithms for Structure Elucidation of Biomolecules”
Biochemistry and Molecular Biology

Student(s): Daniel Mackey
Mentor: Dr. David Rosenbloom
Artistic Performance
Presentation
Eng 023, 3:00 PM

“Reconstructing Music for the Ancient Greek Lyre”
Ancient Studies

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April 22, 2015
URCAD Presenters in Alphabetical Order

Student(s): Vanessa Mackley, Vani Ravichandran
Mentor: Dr. Jennie Leach
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM

“Optimization of Nanospheres for Drug Delivery Cinumventing the Blood Brain Barrier”
Chemical, Biochemical, and Environmental Engineering

Student(s): Austin Maduka
Mentor: Dr. Natasha Zachara, Ms. Jennifer Groves
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM

“Generation and Characterization of a Stable Inducible O-GlcNAcase Cell Line”
Biochemistry and Molecular Biology

Student(s): Oleg Makarevich
Mentor: Dr. Lasse Lindahl
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

“How do ΔL24 Ribosomes Differ from Wild Type?”
Biological Sciences

Student(s): Olufunmilayo Makinde
Mentor: Dr. Andrea Kalfoglou
Oral Presentation
Eng 023, 3:45 PM

“Exploring Poorly Understood Psychosocial Factors for HIV Prevention and Treatment Among Urban African American Women”
Health Administration and Policy

Student(s): John Malloy
Mentor: Dr. Kevin Omland
Oral Presentation
UC 310, 11:00 AM

“Is the Endangered Norfolk Island Robin a Distinct Species?”
Bioinformatics and Computational Biology

Student(s): Margaret Marzolf
Mentor: Ms. Esther Doyle Read
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM

“The Effects of the Little Ice Age on Native American and European Relations from 1300 to 1850”
Ancient Studies

Student(s): Jeremy Mattison
Mentor: Dr. Lisa Kelly
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

“Synthesis of N-Substituted Benzoperylene Monoimide Fluorophores for Incorporation in Polyacrylamide Nanogels”
Biochemistry and Molecular Biology

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April 22, 2015
URCAD Presenters in Alphabetical Order

Student(s): Jennifer Mayrovitz
Mentor: Dr. Christopher Rakes
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM
“Effect of Student Self-Assessment of Solutions on Math Assessment Scores”
Education

Student(s): Conner McIntyre
Mentor: Dr. Linda Oliva
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM
“Student Learning Objective: Citations and Bias”
Education

Student(s): Nikki McNeil
Mentor: Dr. Robert Bridges
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM
“Bootstrapping for Text Extraction in Cyber Security”
Computer Science and Electrical Engineering

Student(s): Amelia Meman
Mentor: Ms. Megan Tagle Adams
Oral Presentation
UC 312, 2:15 PM
“Toward a Transformative Epistemology: Personal Experience as Public Knowledge”
Gender and Women's Studies

Student(s): Shannon Mitchell
Mentor: Dr. Kathy Bryan
Oral Presentation
UC 312, 10:45 AM
“Geographically Skewed News: A Trayvon Martin Case Study”
American Studies

Student(s): Vivek Moorthy
Mentor: Dr. Douglas Lamdin
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM
“Main Street and Wall Street: Gauging Recovery after the Great Recession”
Economics

Student(s): Mercedes Morina
Mentor: Dr. Donald Snyder
Oral Presentation
Eng 023, 11:15 AM
“How Does a Religious Upbringing Limit, Prevent, and/or Influence the Manifestation of Celebrity and Pop Cultural Fandom?”
Media and Communication Studies

Student(s): Larry Morton
Mentor: Dr. Gymama Slaughter
Oral Presentation
UC 310, 3:45 PM
“High Density Neural Probe Design for Chemical Sensing”
Computer Science and Electrical Engineering
Student(s): Michael Moubarek, Quoc Bui  
Mentor: Dr. Stephen Mang  
Poster Presentation  
Ballroom, 10:00 AM – 12:00 PM

“A Low-Cost, Sensitive Visual Spectrophotometer for Teaching Laboratories”  
Biochemistry and Molecular Biology

Student(s): Daniela Mujica-Martorell, Stephen Kelley  
Mentor: Ms. Sally Shivnan, Ms. Guenet Abraham  
Artistic Exhibit Presentation  
Lobby, 10:00 AM – 4:00 PM

“Bartleby 2015: A Collaborative Creation”  
English

Student(s): Sameera Mukhtar  
Mentor: Dr. Cheryl North  
Poster Presentation  
Ballroom, 2:00 PM – 4:00 PM

“Time Management and the Advanced Placement Language Test”  
Education

Student(s): Danya Murali  
Mentor: Dr. Bradford Peercy  
Poster Presentation  
Ballroom, 12:00 PM – 2:00 PM

“Using Mathematical Modeling to Predict Calcium Wave Behavior in Neuronal Dendrites”  
Mathematics and Statistics

Student(s): Matthew Myslinski  
Mentor: Ms. Cathy Cook  
Film Presentation  
Eng 023, 10:00 AM

“Samhain and Disenchanted”  
Visual Arts

Student(s): Matthew Myslinski  
Mentor: Mr. Vin Grabill  
Film Presentation  
Eng 023, 10:15 AM

“All's Fair: A Campus MovieFest Experience”  
Visual Arts

Student(s): Yves Nazon II  
Mentor: Dr. Soobum Lee  
Poster Presentation  
Ballroom, 12:00 PM – 2:00 PM

“Electromagnetic Energy Generator in Total Knee Replacement Unit for Self-Powering in-vivo Sensor”  
Mechanical Engineering
April 22, 2015
URCAD Presenters in Alphabetical Order

Student(s): Nkemdilim Ndubuizu
Mentor: Dr. Laura Rowland
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM

“Cannabis Use in Relation to GABA and Glutamate Levels in Schizophrenia”
Biological Sciences

Student(s): Jack Neumeier, Stephen Moore, Jasper Dudley, Mai Huynh, Andres Camacho, Andrew Starck, Heather Mortimer, Nandit Shah, Gabriel Margarida, Markus Proctor, Rob Ford, Kirby Kelbaugh, Vijay Raju
Mentor: Mr. Steven McAlpine
Artistic Exhibit Outside UC, 10:00 AM – 4:00 PM

“Kinetic Sculpture Race”
Interdisciplinary Studies

Student(s): Kevin Nguyen
Mentor: Dr. Maricel Kann
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

“A Clinical Interface for Genomic Analysis for Neonatal Diseases Using Human Phenotype Ontologies”
Bioinformatics and Computational Biology

Student(s): Akua Nimarko
Mentor: Dr. Weihong Lin
Oral Presentation
UC 310, 10:15 AM

“Expression Profile of Putative Receptors Involved in Xenobiotic Detection in Mouse Olfactory Epithelium”
Biological Sciences

Student(s): Julie Norton, Kevin Liao, Mimi Way, Brittnie Prakash
Mentor: Dr. Steven Caruso, Dr. Ivan Erill
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM

“Novel Bacillus Bacteriophage Isolated from Russian Soil”
Biological Sciences

Student(s): Kamsi Odinammadu
Mentor: Dr. Michelle Starz-Gaiano
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM

“Role of Ecdysone in the Migration of Border Cells in Drosophila melanogaster Egg Chambers”
Biological Sciences

Student(s): Tolu Omokehinde
Mentor: Dr. Paul Bieniasz
Oral Presentation
UC 310, 11:45 AM

“The Application of CRISPR Genome Engineering to the Study of Host Antiviral Factors”
Biochemistry and Molecular Biology
Student(s): Elelbin Ortiz  
Mentor: Dr. Phyllis Robinson  
Poster Presentation  
Ballroom, 10:00 AM – 12:00 PM

“Determining the Role of Melanopsin C-Tail in Deactivation and Trafficking”  
*Biological Sciences*

Student(s): Clarence Pascual  
Mentor: Dr. Lasse Lindahl  
Poster Presentation  
Ballroom, 2:00 PM – 4:00 PM

“Ribosome Biogenesis Mediated Cell Cycle Arrest in *Saccharomyces cerevisiae*”  
*Biological Sciences*

Student(s): Sagar Patel  
Mentor: Dr. Linda Baker  
Poster Presentation  
Ballroom, 2:00 PM – 4:00 PM

“Does Socioemotional Competence Predict Oral Language Competence?”  
*Psychology*

Student(s): Himadri Patel  
Mentor: Dr. Raimi Quiton, Ms. Eryka Boyd  
Poster Presentation  
Ballroom, 10:00 AM – 12:00 PM

“Gender Differences in the Relationship Between Anxiety and the Function of Endogenous Pain Inhibitory Systems”  
*Psychology*

Student(s): Erin Patterson  
Mentor: Ms. Eve Muson  
Oral Presentation  
Eng 023, 10:30 AM

“Five Weeks, Ten Minutes, a Study in Physical Theater”  
*Theatre*

Student(s): Talmo Pereira, David Nicholson  
Mentor: Dr. Ivan Erill  
Poster Presentation  
Ballroom, 10:00 AM – 12:00 PM

“Characterizing Population Level Transcriptional Regulation Using Metagenomics”  
*Bioinformatics and Computational Biology*

Student(s): Samantha Perry  
Mentor: Dr. Bernard Lohr  
Poster Presentation  
Ballroom, 10:00 AM – 12:00 PM

“Vocal Development in Grasshopper Sparrow (*Ammodramus savannarum pratensis*) Nestlings from Hatching to Fledging”  
*Biological Sciences*
April 22, 2015
URCAD Presenters in Alphabetical Order

Student(s): Matthew Poissant
Mentor: Dr. Linda Oliva
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

“B or Better”
Education

Student(s): Matthew Poissant
Mentor: Dr. Kathy Bryan
Oral Presentation
UC 312, 2:30 PM

“Deceptive Innovation”
American Studies

Student(s): Divya Prasad,
Feyisanmi Ojo, Nathan Legg,
Shawn Tang
Mentor: Dr. Tyson King-Meadows
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM

“Framing Congressional Authority to Protect Minorities:
A Content Analysis of Newspaper Coverage
of the Voting Rights Act”
Political Science

Student(s): Devona Quasie-Woode
Mentor: Dr. Maricel Kann, Mr. Thomas Peterson
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM

“Mapping Genetic Markers of Childhood Diseases Using
Text Mining of Biomedical Literature”
Bioinformatics and Computational Biology

Student(s): Rafay Qureshi
Mentor: Dr. Cha-Min Tang, Dr. M. Samir Jafri
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM

“Visualization of Axons in the Human Optic Chiasm”
Health Administration and Policy

Student(s): Nishay Raja
Mentor: Dr. Anne Spence,
Ms. Jamie Gurganus
Oral Presentation
UC 310, 3:30 PM

“Improving Spatial Visualization Skills of Engineering
Majors at UMBC”
Mechanical Engineering

Student(s): Tahira Raja
Mentor: Dr. Narsingh Singh
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM

“Development of Novel Wide Bandgap Substrate for
High Power and High Temperature Electronics”
Chemistry and Biochemistry

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| Student(s): Alyssa Ramos | “Gender Wage Discrimination in the Philippine Labor Market”  
| Mentor: Dr. T. H. (Tim) Gindling | *Economics*  
| **Poster Presentation** |  
| Ballroom, 12:00 PM – 2:00 PM |  
| Student(s): Hayley Richardson | “Speciation Reversal: The Case of the Common Raven”  
| Mentor: Dr. Kevin Omland, Dr. Matthias Gobbert | *Mathematics and Statistics*  
| **Poster Presentation** |  
| Ballroom, 10:00 AM – 12:00 PM |  
| Student(s): Nicholas Rogers | “Using Excitation-Emission Matrix Analysis to Characterize the Impact of Leaking Wastewater on Urban Water Resources”  
| Mentor: Dr. Lee Blaney | *Chemical, Biochemical, and Environmental Engineering*  
| **Oral Presentation** |  
| UC 310, 1:30 PM |  
| Student(s): Alexis Rubin | “Approaches to Learning and Academic Achievement for Hearing Impaired Children: A Longitudinal Study”  
| Mentor: Dr. Shuyan Sun | *Psychology*  
| **Poster Presentation** |  
| Ballroom, 2:00 PM – 4:00 PM |  
| Student(s): Alexa Saunders | “Enhancing Students' Ability to Leap”  
| Mentor: Dr. Christopher Rakes | *Education*  
| **Poster Presentation** |  
| Ballroom, 10:00 AM – 12:00 PM |  
| Student(s): Emily Schultheis, Waleed Waris | “Briggs-Rauscher Oscillating Color Change Reaction”  
| Mentor: Dr. Stephen Mang, Dr. Lisa Kelly | *Chemistry and Biochemistry*  
| **Poster Presentation** |  
| Ballroom, 2:00 PM – 4:00 PM |  
| Student(s): Amir Salar Sepehri | “The Study of Chemical Modification of Crotamine and Its Interaction with DNA”  
| Mentor: Dr. Richard Karpel | *Chemistry and Biochemistry*  
| **Poster Presentation** |  
| Ballroom, 12:00 PM – 2:00 PM |  

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April 22, 2015
URCAD Presenters in Alphabetical Order

Student(s): Apurva Shah
Mentor: Dr. Carlos Bustamante
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM
“Elucidating the Folding Pathways of Calcium-Binding Proteins”
Biological Sciences

Student(s): Matthew Shin
Mentor: Dr. Katherine Seley-Radtkes
Oral Presentation
UC 312, 11:15 AM
“Synthesis of Halogenated thieno[3,2-d]pyrimidines as Anticancer Agents”
Chemistry and Biochemistry

Student(s): Hunter Shippey
Mentor: Mr. John Sturgeon
Film Presentation
Eng 023, 1:30 PM
“Model in Session”
Visual Arts

Student(s): Matthew Shirley
Mentor: Dr. Katherine Seley-Radtkes
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM
“Flexible Nucleosides as Potential Ebola Inhibitors”
Chemistry and Biochemistry

Student(s): Gideon Shrier, Mariana de Matos Medeiros
Mentor: Dr. Lynnda Dahlquist
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM
“Psychological Correlates of Video Game Enjoyment in Children”
Psychology

Student(s): Vivek Shukla
Mentor: Dr. Tapas Makar
Oral Presentation
UC 310, 3:15 PM
“Renal Function and Apoptotic Cell Death is Interrelated in HIV-Associated Nephropathy”
Biochemistry and Molecular Biology

Student(s): Sadjo Sidikou
Mentor: Dr. Jennie Leach
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM
“Understanding the Mechanosensing Mechanisms of Fibroblasts in 3D Cell Culture”
Chemical, Biochemical, and Environmental Engineering

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Student(s): Abigail Singer  
Mentor: Dr. Jonathan Singer  
Poster Presentation  
Ballroom, 2:00 PM – 4:00 PM  

“Writing Interventions in the Science Classroom”  
*Education*

Student(s): Pranjal Singh  
Mentor: Dr. Bradford Peercy, Dr. Michelle Starz-Gaiano  
Oral Presentation  
UC 312, 11:30 AM  

“An Analytically Reduced Mathematical Model of the Effects of RNA Interference in the JAK/STAT Signaling Pathway”  
*Mathematics and Statistics*

Student(s): Rupsha Singh  
Mentor: Dr. Robin Barry  
Poster Presentation  
Ballroom, 10:00 AM – 12:00 PM  

“The Association Between Intimate Partner Violence and Conflict Disengagement in Newlywed Couples”  
*Psychology*

Student(s): Rupsha Singh, Dafina I. Chisolm, Cassandra L. Simons, Shari R. Metzger  
Mentor: Dr. Susan Sonnenschein  
Poster Presentation  
Ballroom, 12:00 PM – 2:00 PM  

“The Relationship Between Boys' and Girls' Self-Awareness of Learning Strategies and their Cognitive Task Performance”  
*Psychology*

Student(s): Angelo Skarlatos  
Mentor: Ms. Cathy Cook  
Film Presentation  
Eng 023, 1:45 PM  

“Nerds Rule, Jocks Drool”  
*Visual Arts*

Student(s): Jazmin Smith  
Mentor: Dr. Preminda Jacob  
Oral Presentation  
Eng 023, 10:45 AM  

“Afrofuturism in Visual Art”  
*Visual Arts*

Student(s): JR Smith, Savannah Myers, Paul Tschirgi, Ben Wash, Samantha Carestia, Brandon Cole, Celeste Haskett, Jeff Hurd  
Mentor: Dr. Marc Olano, Dr. Anne Rubin  
Poster Presentation  
Ballroom, 10:00 AM – 4:00 PM  

“Bandit: Video Game To Teach Players about the Pratt Street Riots of the Civil War”  
*Computer Science and Electrical Engineering*
Student(s): Parisa Soleimanifar, Jaelyn Bos  
Mentor: Dr. Jeff Leips, Ms. Chia-Hua Lue  
Poster Presentation  
Ballroom, 2:00 PM – 4:00 PM

“Geographic Variation in Community Structure in Drosophila Species and their Parasitoid Wasps in North America”  
*Geography and Environmental Systems*

Student(s): Hunter Somerville, Kevin Sears, Michael Warren, Sergei Grishin  
Mentor: Dr. E.F. Charles LaBerge  
Poster Presentation  
Ballroom, 2:00 PM – 4:00 PM

“A Smart Vent to Reduce Energy Consumption via Wireless Home Automation”  
*Computer Science and Electrical Engineering*

Student(s): Tyler Sousa  
Mentor: Mr. Richard Wilson  
Oral Presentation  
UC 312, 3:45 PM

“An Ethical Analysis of the Mars One Project: the Concept of Planetary Colonization”  
*Chemical, Biochemical, and Environmental Engineering*

Student(s): Natalie Steenrod  
Mentor: Dr. Katherine Seley-Radtke  
Poster Presentation  
Ballroom, 10:00 AM – 12:00 PM

“A Flexible Approach to Treating the Ebola Virus”  
*Chemistry and Biochemistry*

Student(s): Nicholas Stewart  
Mentor: Dr. Ivan Erill  
Poster Presentation  
Ballroom, 10:00 AM – 12:00 PM

“Using Structural Parameters in Transcription Factor Binding Site Prediction”  
*Biological Sciences*

Student(s): Stephanie Stookey  
Mentor: Dr. Charles Bieberich  
Poster Presentation  
Ballroom, 12:00 PM – 2:00 PM

“Kineret: A Potential Therapeutic Drug For Chronic Prostatitis/Chronic Pelvic Pain Syndrome”  
*Biological Sciences*

Student(s): Greg Strack  
Mentor: Dr. Jessica Pfeifer  
Oral Presentation  
Eng 023, 11:30 AM

“A Many-Valued Interpretation of Modal Logic and Applications for Actualists”  
*Philosophy*
April 22, 2015
URCAD Presenters in Alphabetical Order

Student(s): Salam Syed
Mentor: Dr. Shari Waldstein
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM

“Associations of Marijuana Use and Blood Pressure in a Diverse Sample of Urban-Dwelling Adults”
Psychology

Student(s): Alexander Szabo
Mentor: Dr. Linda Oliva
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

“Early Achievement in Primary Source Education”
Education

Student(s): Alexander Szabo
Mentor: Dr. Robert Rubinstein
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM

“The Sounds of Shangri-La: Community Radio and Culture Shift in Rural Nepal”
Sociology and Anthropology

Student(s): Victoria Taylor, John Ruth
Mentor: Dr. Mark Marten
Oral Presentation
UC 310, 1:45 PM

“Characterization of High-Secretion A. nidulans Mutants through Chemical Phenotypic Profiling”
Chemical, Biochemical, and Environmental Engineering

Student(s): Daniel Theisen
Mentor: Dr. Linda Oliva
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM

“Argumentative Writing Skills in the 12th Grade Social Studies Classroom”
Education

Student(s): Phillip Thompkins
Mentor: Dr. Linda Baker
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM

“Paper or Pixel? The Influence of Metacognition and Text Format on Student Reading Comprehension”
Psychology

Student(s): Nicholay Topin, Nicholas Haltmeyer
Mentor: Dr. Marie desJardins
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM

“Discovering Portable Options through Automated Mapping”
Computer Science and Electrical Engineering

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URCAD Presenters in Alphabetical Order

Student(s): Ngochan Tran
Mentor: Dr. Jeff Leips, Ms. Chia-Hua Lue, Ms. Theresa Hodges
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

“The Genetic Basis of Host Defense Traits in the Drosophila Host-Parasitoid System”
*Biological Sciences*

Student(s): Queenie Tran
Mentor: Dr. Charissa Cheah
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM

“The Role of Peer Networks and Maternal Involvement in Predicting Chinese Immigrant Children’s Socio-Emotional Adjustment”
*Psychology*

Student(s): Krista Trostle, Zsade Flemming, John Pham, Matthew Reeping, Alison Holloway, Adam Kline, Edward Thang, Tyler Rasmussen
Mentor: Dr. Marc Olano
Poster Presentation
Ballroom, 10:00 AM – 4:00 PM

“Mobile Games as Advertising for Businesses”
*Visual Arts*

Student(s): Paul Tschirgi, Courtney Tyler
Mentor: Mr. Doug Hamby
Artistic Performance Presentation
PAHB 337, 10:45 AM

“Interactive Performance Mapping”
*Visual Arts*

Student(s): Paul Tschirgi, Courtney Tyler
Mentor: Mr. Doug Hamby
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM

“Interactive Performance Mapping”
*Visual Arts*

Student(s): Phoebe Tsoi
Mentor: Dr. Marie-Christine Daniel
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

“Synthesis of Dendronized Nanoparticles for Intracellular Trafficking Studies”
*Biochemistry and Molecular Biology*
Student(s): Courtney Tyler  
Mentor: Ms. Sandra Lacy  
Artistic Performance Presentation  
PAHB 337, 11:30 AM

“Swans in an Ugly Duckling World”  
Dance

Student(s): Molissa Udevitz  
Mentor: Mr. Doug Hamby  
Artistic Performance Presentation  
PAHB 337, 11:15 AM

“Ebb & Flow”  
Dance

Student(s): Ankur Vaidya  
Mentor: Dr. Alison Chetlen  
Oral Presentation  
UC 310, 11:15 AM

“Is Breast Center Risk Assessment Clinic Attendance Improved with a High Risk Recommendation in the Mammography Report?”  
Biological Sciences

Student(s): Michael Valerino  
Mentor: Dr. Christopher Hennigan  
Poster Presentation  
Ballroom, 12:00 PM – 2:00 PM

“Development of a Real-time, Highly Time-Resolved Atmospheric pH Measurement System”  
Chemical, Biochemical, and Environmental Engineering

Student(s): Juliana Venegas  
Mentor: Ms. Anissa Sorokin  
Oral Presentation  
UC 312, 3:00 PM

“Nontraditional Students in the Writing Center”  
English

Student(s): Ganna Vikhlyayeva  
Mentor: Ms. Cathy Cook  
Film Presentation  
Eng 023, 2:00 PM

“Close to the Sun”  
Visual Arts

Student(s): Jennifer Wachtel  
Mentor: Dr. Meredith Oyen  
Oral Presentation  
UC 312, 10:15 AM

“An Unlikely Refuge: The Shanghai Jewish Ghetto during the Rise of Nazism”  
History
Student(s): Catherine Waddell
Mentor: Dr. Jonathan Singer
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM

“Developing Argumentative Writing Skills in Students in Grades Six to Eight Through Music Education”
Education

Student(s): Neha Wali
Mentor: Dr. Suzanne Ostrand-Rosenberg, Mr. Daniel W. Beury
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM

“The Transcription Factor Nrf2 is not Required for Down-Regulating the Adhesion Molecule L-selectin”
Biological Sciences

Student(s): Matthew Weisman
Mentor: Dr. Jonathan Singer
Poster Presentation
Ballroom, 12:00 PM – 4:00 PM

“Increasing College Readiness through Student Ability to Analyze Data”
Education

Student(s): Mark White
Mentor: Ms. Calla Thompson
Artistic Exhibit
Lobby, 12:00 PM – 4:00 PM

“Infrascapes: A Study of the Invisible”
Visual Arts

Student(s): Jenna Williams
Mentor: Dr. Shuyan Sun
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM

“The Relation Between Birth Status and Cognitive Development in Early Childhood”
Psychology

Student(s): Symone Williams
Mentor: Dr. Christopher Rakes
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM

“An Introduction to the World of Dance”
Education

Student(s): Tyler Wilson
Mentor: Ms. Linda Oliva
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM

“The Use of Primary Documents in Constructing an Essay”
History

Student(s): Harley Winkler
Mentor: Dr. Cheryl North
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM

“Measuring and Drafting in Stage Design”
Education
Student(s): Darryl Wise
Mentor: Dr. Christopher Swan
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM
“Differing Rates of Leaf Litter Decomposition of Common Tree Species in Rivers Draining to the Chesapeake Bay”
Geography and Environmental Systems

Student(s): Michael Wolfe
Mentor: Dr. Jason Kestner
Oral Presentation
UC 310, 4:00 PM
“Entanglement Dynamics of Singlet-Triplet Qubits in the Presence of Inductive Coupling”
Physics

Student(s): Michael Wonders
Mentor: Dr. Christopher Rakes
Poster Presentation
Ballroom, 2:00 PM – 4:00 PM
“Improving Mathematical Problem Solving Through Student Journaling with Guided Questioning”
Education

Student(s): Benjamin Woodworth
Mentor: Dr. Elaine Rusinko
Oral Presentation
UC 312, 1:15 PM
“Media Discourse Surrounding MH17 in the Russian-Ukrainian Conflict of 2013-14”
Modern Languages, Linguistics, and Intercultural Communication

Student(s): Rahel Worku
Mentor: Dr. Jessica Berman
Oral Presentation
UC 312, 3:15 PM
“The Alien, Alien: Depictions of Race in Star Trek's Final Frontier”
English

Student(s): Grant Wunderlin
Mentor: Dr. Michelle Starz-Gaiano
Poster Presentation
Ballroom, 12:00 PM – 2:00 PM
“Putative Function of Calsyntenin-1 in Cell Adhesion”
Biological Sciences

Student(s): Pauline Xu
Mentor: Dr. Elsa Garcin
Poster Presentation
Ballroom, 10:00 AM – 12:00 PM
“Mechanism of Post-Translational Modification of GAPDH by Dithiolethione Compounds Using Tandem Mass Spectrometry”
Chemistry and Biochemistry
Student(s): Saiah Yates  
Mentor: Dr. Jeff Leips, Ms. Mariann Gabrawy  
Oral Presentation  
UC 310, 10:00 AM

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

Student(s): Jasmin Zarb  
Mentor: Dr. Allen Bush  
Poster Presentation  
Ballroom, 12:00 PM – 2:00 PM

“Confirmation of the Presence of *Streptococcus oralis* in the Oral Cavity”  
*Chemistry and Biochemistry*