

Poster Presentations

University Center Ballroom

10:00 A.M. – 12:30 P.M.

Jason Adams	History “Using Student Designed Extra Credit to Increase Student Academic Achievement” Professor Jonathan Singer, Mentor	Poster # 52A
Timileyin Adediran Sharada Shantharam	Sociology and Anthropology “Cross-sectional Analysis of Cognitive Impairment and Depression Among Older Hispanics in Washington, D.C.” Professor Angelica Herrera, Mentor	Poster # 116
Samira Afzali	Biological Sciences “Investigating the Role of RGMa during Neurulation in Zebrafish” Professor Rachel Brewster, Mentor	Poster # 120
Kathleen Algire-Fedarcy	Social Work “Promoting Social Change through Service-Learning” Professor Jessica Guzman-Rea, Mentor	Poster # 13
Yevgeniy Arber	Information Systems “Dynamic Access to the Web Using Haptics” Professor Ravi Kuber, Mentor	Poster # 131A
Sagar Bajpai	Biological Sciences “Enhancing the Inducible Mouse Model for Prostate Inflammation” Professor Charles Bieberich, Mentor	Poster # 127A
Alexander Ballard	Biological Sciences “Bone Disorder Study in Gaucher Disease Using GD-hiPSC-derived Cells” Professor Ricardo Feldman, Mentor	Poster # 93
Ademayowa Balogun	Biological Sciences “Deletion of Large Loop in Ribosomal Protein L4 Makes Incorporation of L4 into Ribosomes Temperature Dependent” Professor Lasse Lindahl, Mentor	Poster # 110
Kathryn Benson	Psychology “The Role of Positive Temperament in Promoting Intimacy and Overcoming Avoidant Attachment” Professor Robin Barry, Mentor	Poster # 46
Michael Berlin	Computer Science and Electrical Engineering “Using Machine Learning to Classify Trouble Tickets” Professor Tim Finin, Mentor	Poster # 38

Poster Presentations

Abigail Boateng	Health Administration and Policy “Minorities in Adaptive Physical Activity: A Community Exercise Intervention Program for Stroke Patients” Professor Mary Stuart, Mentor	Poster # 133A
Kelin Brace	Chemistry and Biochemistry “Synthesis of Carbocyclic Nucleosides” Professor Katherine L. Seley-Radtke, Mentor	Poster # 15A
Niambi Brewer	Biological Sciences “Role of Skywalker in Border Cell Migration” Professor Michelle Starz-Gaiano, Mentor	Poster # 5
Alexis Brown	Geography and Environmental Systems “The Universality of Roseobacter Motility Inducer (RMI) within the Roseobacter Clade” Professor Robert Belas, Mentor	Poster # 118
Grace Calvin	Psychology “Acculturative Experiences, Psychological Well-being, and Parenting among Chinese Immigrant Families” Professor Charissa Cheah, Mentor	Poster # 27
Yu-Rei Chang	Biological Sciences “A Volumetric Analysis of the Mouse Accessory Olfactory Bulb” Professor Weihong Lin, Mentor	Poster # 123A
Vivian Chioma	Interdisciplinary Studies “Fear Be Gone: Endocannabinoids Modulate Subsecond Dopamine Release During the Extinction of Fear Memories” Professor Joseph Cheer, Mentor	Poster # 101A
Hye HyunChoi Saiah Yates Phuong Nguyen	Biological Sciences “Biodiversity and Community Structure Regarding the Interaction of Drosophila Host and its Parasitoid Wasp Interactions” Professor Jeff Leips, Mentor	Poster # 42A
Sonia Dalal	Biological Sciences “Mutated CD80 May Facilitate T-cell Activation by Inhibiting PDL1-PD1 Suppression and by Costimulation” Professor Suzanne Ostrand-Rosenberg, Mentor	Poster # 114
Soutry De	Physics “Design and Construction of a Helium Cryostat for use in Terahertz Spectroscopy” Professor Michael Hayden, Mentor	Poster # 97A

Poster Presentations

Andrew Dillon	Chemical, Biochemical, and Environmental Engineering "Optimization of a Process: Are Algae-based Biofuels the Solution to the Energy Crisis?" Professor Mariajose Castellanos, Mentor	Poster # 76A
Casey Dubac	Psychology "Mood Disorders and Romantic Relationships" Professor Robin Barry, Mentor	Poster # 62
Jordan Dubbs Jason Dubbs	American Studies "Images in the Classroom: The Influence of Media in Vocabulary Instruction" Professor Jonathan Singer, Mentor	Poster # 48
Korine Duval	Mechanical Engineering "Modeling Nanoparticle Infusion Heat Transfer in Tumors" Professor Liang Zhu, Mentor	Poster # 112
Christopher Ecker	Biological Sciences "Visualizing Levels of ATP in the Brain following Anoxia" Professor Rachel Brewster, Mentor	Poster # 79
William Eckert Thomas A. Hervey	Geography and Environmental Systems "Impact of Population Growth and Urbanization on Local Climate Change" Professor Junmei Tang, Mentor	Poster # 31
Alexander Emmanuelli	Biochemistry and Molecular Biology "Expression of the Murine Leukemia Virus CANC Domains of the GAG Polyprotein" Professor Michael Summers, Mentor	Poster # 102
Kristen English	English "Vocabulary Acquisition and Retention: An Inner City Profile" Professor Jonathan Singer, Mentor	Poster # 44
Nathan Fastman	Chemistry and Biochemistry "Novel Inhibitors of the Hepatitis C Helicase" Professor Paul Smith, Mentor	Poster # 7
Julian Feild	Computer Science and Electrical Engineering "A High-Performance, Low-Power Many-Core Processor for DSP Applications" Professor Tinoosh Mohsenin, Mentor	Poster # 19
Alyssa Florwick	Bioinformatics and Computational Biology "High Throughput Extraction of Phenotypically Altering Genetic Variants in Model Organisms" Professor Maricel G. Kann, Mentor	Poster # 24

Poster Presentations

Briana Garrett	Psychology “Horror Movies and Emotional Calibration: How Revulsion Heightens Fear” Professor Diane Alonso, Mentor	Poster # 137
Sanchari Ghosh	Biological Sciences “Cell Surface Receptors Involved in T-Cell Activation are Down-Regulated in Presence of Tumor in Mice” Professor Suzanne Ostrand-Rosenberg, Mentor	Poster # 14
Margaret Gillan	Chemistry and Biochemistry “Fluorescence of Dually Labeled Acrylamide Nanogels” Professor Lisa Kelly, Mentor	Poster # 105
Blen Girmay	Biological Sciences “HLA-A*29:02 Transgenic Mice as a Model for Birdshot Chorioretinopathy Disease” Professor Mary Mattapallil, Mentor	Poster # 9
Samantha Glass Shannon Ryan Shawn Douglas	English “Multi-Genre Approaches to Critical Thinking” Professor Jonathan Singer, Mentor	Poster # 60
Hamsa Gowda	Chemical, Biochemical, and Environmental Engineering “Non-invasive Integrated Fluorescence Sensor for Measuring Blood Glucose Levels in the Body” Professor Jordan Kostov, Mentor	Poster # 51
Anne Gray Wesley Lok	Visual Arts “Earn Your Wings” Professor Marc Olano, Mentor	Poster # 10H
Kevin Herold Drew Thatcher	Biological Sciences “A Mathematical Model of Melanopsin Activation” Professor Phyllis Robinson, Mentor	Poster # 40
Zachary Hopkins	Chemical, Biochemical, and Environmental Engineering “Ozone Treatment of Tetracycline Antibiotics: Transformation Kinetics and Removal in Water/Wastewater Matrices” Professor Lee Blaney, Mentor	Poster # 55A
Dalton Hughes	Chemical, Biochemical, and Environmental Engineering “Quantitative Profile of Astrocyte Morphologies in 2D and 3D Environments” Professor Jennie Leach, Mentor	Poster # 17

Poster Presentations

Taylor Jenkins	Music “Losing Attendance in School” Professor Jonathan Singer, Mentor	Poster # 66
Gabriela Joseph	Modern Language, Linguistics, and Intercultural Communication “Evaluating the Impact of Guest Speakers in the Foreign Language (Spanish) Classroom” Professor Jonathan Singer, Mentor	Poster # 70
Josephine Kalema	Dance “How Can Dance be Used to Help Students in Math?” Professor Jonathan Singer, Mentor	Poster # 74A
Christine Kang	Biochemistry and Molecular Biology “Identification of a Potential cis-Regulatory Module of pax-3 in <i>Caenorhabditis elegans</i> ” Professor David Eisenmann, Mentor	Poster # 16
Madhu Karamsetty	Biological Sciences “A Rat's Brain on Cannabis: Sub-Chronic Treatment Produces Conditioned Tolerance to its Dopamine-Increasing Effects” Professor Erik Oleson, Mentor	Poster # 81
Salar Khaleghzadegan	Biological Sciences “Analysis of the Epigenetic Regulator Polycomb and its Role in <i>Volvox carteri</i> Cell Differentiation and Multicellularity” Professor Stephen Miller, Mentor	Poster # 56
Zulqarnain Khan	Biological Sciences “Effect of GsMTx4 on Mouse Urinary Bladder Smooth Muscle (UBSM) Contractility” Professor Andrea Meredith, Mentor	Poster # 128
Maithri Kondapaka	Biological Sciences “The Effects of an L4 Loop Deletion on Lon Protease Activity and CpsB Regulation in <i>Escherichia coli</i> ” Professor Lasse Lindahl, Mentor	Poster # 35
Sam Kott	Psychology “Do You See What I See?: Self-Partner Agreement for Disengaged and Engaged Behavior During Couple's Communication” Professor Robin Barry, Mentor	Poster # 129A
Catherine Krynick	Psychology “Ethnic Differences in Gender-Role Attitudes” Professor Nicole Else-Quest, Mentor	Poster # 49

Poster Presentations

Shelly Lai	Biological Sciences “Expression of Opsin in the Eye of the Crayfish <i>Procambarus clarkii</i> ” Professor Thomas Cronin, Mentor	Poster # 59A
Janet Ludlow	English “Effects of External Incentives on Secondary Students to Complete Homework Assignments” Professor Jonathan Singer, Mentor	Poster # 83
David Mai, Lisa Thompson, Erin Williams, Deborah Firestons, Brianna Paige, Jonavan Sanders, Shelvie Taylor, Stephanie Ruff	Computer Science and Electrical Engineering “Detached, Video Game” Professor Marc Olano, Mentor	Poster # 10D
Gabriella Marano Kathryn Cronise	Biological Sciences “Identification of Genes Regulating Stem Cell-Like Division of Epithelial Cells in <i>Caenorhabditis elegans</i> ” Professor David Eisenmann, Mentor	Poster # 29
Carmen Matos	Chemical, Biochemical, and Environmental Engineering “Non-invasive Glucose Biosensor with Fluorescent Glucose Binding Protein” Professor Leah Tolosa, Mentor	Poster # 41
Adam Mayer	Chemistry and Biochemistry “The Development of Optimized SERS SAM Nanosensors for Intracellular Applications” Professor Brian Cullum, Mentor	Poster # 99
Stephanie McKenney	Psychology “How Sports and Exercise Affect Tobacco and Alcohol Use Risks Among Maryland High School Students” Professor Carlo DiClemente, Mentor	Poster # 11
Casey A. Medairy Lauren N. Chestang Janet M. Fairbank	Chemistry and Biochemistry “The Impacts of Technology on a Non-Traditional (Flipped) Classroom” Professor Jonathan Singer, Mentor	Poster # 77
Mansi Mehta	Chemistry and Biochemistry “Inhibition of Human Immunodeficiency Virus-1 Capsid Protein Assembly” Professor Michael Summers, Mentor	Poster # 22
Rajashree Mishra	Bioinformatics and Computational Biology “Extracting Protein-Protein Interactions of Orthologous Proteins from Literature” Professor Maricel G. Kann, Mentor	Poster # 130
Bilal Moiz Ann Marie K. Weideman	Biochemistry and Molecular Biology “Modeling Diffusion of Signaling Molecules and Consequential Cell Fate Determination” Professor Michelle Starz-Gaiano, Mentor	Poster # 68

Poster Presentations

Jonathan Moriarty, Jake Duong, Joe Rigoroso, Rotem Ganel, Sean Cosentino, Paul Tschirgi, Dave Van	Computer Science and Electrical Engineering “Derelict, An Experiment In Virtual Reality Game Development” Professor Marc Olano, Mentor	Poster # 10E
Victoria Ng	Biological Sciences “Investigating the Role of Ribosomal Protein L17A in Ribosome Biogenesis and its Post- Translational Modifications” Professor Lasse Lindahl, Mentor	Poster # 87A
KimChi Nguyen	Biochemistry and Molecular Biology “Determination of dsDNA Binding Site on Gene32 Protein” Professor Richard Karpel, Mentor	Poster # 85
Akua Nimarko	Biological Sciences “Expression of G-protein $\beta\gamma$ Subunits in Mouse Vomeronasal Organ” Professor Weihong Lin, Mentor	Poster # 119A
Ihuoma Njoku	Biological Sciences “Diversity of Hematodinium and Other Dinoflagellates in Estuarine Environments” Professor Feng Chen, Mentor	Poster # 104
Maeva Nyandjo	Biological Sciences “Chronic Inflammation May Promote Tumor Growth” Professor Suzanne Ostrand-Rosenberg, Mentor	Poster # 100
Atara Oliver	Economics “Information Technology and Consumer Transportation Expenditures: Substitutes or Complements?” Professor Dennis Coates, Mentor	Poster # 125
Ashleigh Omorogbe	Biological Sciences “Evaluation of Toxoplasma gondii Infection in Patients with Nonfatal Suicidal Self-Directed Violence” Professor Teodor Postolache, Mentor	Poster # 72
Elelbin Ortiz Ifeolu Akinola	Biochemistry and Molecular Biology “Whooping Crane Photopigments” Professor Phyllis Robinson, Mentor	Poster # 64
Kwadwo Owusu-Boaitey	Biological Sciences “Evaluation of Brown Adipose Tissue Distribution in the Adult Mouse Mammary Gland” Professor Laundette Jones, Mentor	Poster # 21A

Poster Presentations

John Packard	Biochemical, and Environmental Engineering “Qualitative Characterization of Astrocytes in 2D and 3D Environments” Professor Jennie Leach, Mentor	Poster # 134A
Abhishek Pandey Michael Graves	Biochemistry and Molecular Biology “Role of Guanine Nucleotide Exchange Factors (GEFs) in the Synaptic Depression” Professor Thomas Abrams, Mentor	Poster # 73
Julius Patellis	Biochemistry and Molecular Biology “Surface-sensing Gene Expression in <i>Proteus mirabilis</i> ” Professor Robert Belas, Mentor	Poster # 53
Megan Pejsa	Psychology “Video Game Distraction for Acute Pain: The Effects of Pre-Trial Training” Professor Lynnda Dahlquist, Mentor	Poster # 122A
Talmo Pereira	Bioinformatics and Computational Biology “Self-Consistency of Starting Motif in Sequence Scoring Motif Searching” Professor Ivan Erill, Mentor	Poster # 132
Joshua Pleasant	History “Increasing Writing Activities to Improve Test Scores” Professor Jonathan Singer, Mentor	Poster # 95A
Donald Richardson	Mathematics and Statistics “Development of a Cell Migration Model to Characterize Clustered Movements” Professor Bradford Peercy, Mentor	Poster # 50
Anthony Rizkalla	Political Science “The Educational Theory of W.E.B. DuBois: The Continued Relevance and Success of the HBCU” Professor Lisa Vetter, Mentor	Poster # 25A
Caitlin Rush Megan Murduck	Psychology “The Development of a Coding System to Measure Memory for Conversation” Professor Robin Barry, Mentor	Poster # 75
Samantha Russell	Biological Sciences “Anoxia Results in Microtubule Disorganization in the Hindbrain of Zebrafish” Professor Rachel Brewster, Mentor	Poster # 78

Poster Presentations

Keena Santos	Psychology “Does Sense of Belonging Affect One's Perception of Community?” Professor Mariano Sto. Domingo, Mentor	Poster # 94
Matthew Schley	Geography and Environmental Systems “Exploratory Time Series Analysis of Urbanization Impacts on Stream Chemistry and Macroinvertebrates” Professor Matthew Baker, Mentor	Poster # 33
Sabrina Shah	Psychology “Designing Online Content to Involve Parents in School-Based Prevention Programming” Professor David Schultz, Mentor	Poster # 135
Jinal Sheth	Biological Sciences “A Role for Prolyl-4-Hydroxylase Alpha in Cell Migration in <i>Drosophila melanogaster</i> ” Professor Michelle Starz-Gaiano, Mentor	Poster # 36
Sebastian Snowberger	Chemical, Biochemical, and Environmental Engineering “Wastewater Treatment of Fluoroquinolone Antibiotics Using UV-Based Processes” Professor Lee Blaney, Mentor	Poster # 4A
Blossom Tewelde	Biochemistry and Molecular Biology “Effects of Prolonged Sweetener Exposure on Taste Receptor Variant Expression in NCI-H716 Cells” Professor Steven Munger, Mentor	Poster # 138A
Daniel Veizaga-Udaeta	Biochemistry and Molecular Biology “CTL-promoting Effects of IL-21 Counteracts Murine Lupus and Outweighs B Cell Stimulatory Effects” Professor Violeta Rus, Mentor	Poster # 108
Thomas Vigliotti	History “Improving Student Writing by Practicing Self and Peer Review” Professor Jonathan Singer, Mentor	Poster # 80A
Connor Wilkinson	History “Strategies for History Teachers to Raise Students SAT Verbal Scores” Professor Jonathan Singer, Mentor	Poster # 91
Alexander Winton	Chemistry and Biochemistry “Isolating Polypeptides for Bio-tethering in Lithium Ion Battery Electrodes” Professor Mark Allen, Mentor	Poster # 58

Poster Presentations

Ashley Witkowski
Ben Davis

Mathematics and Statistics
"Coach Class: Effectiveness on Improving
Student's Math and Science Content
Knowledge"
Professor Jonathan Singer, Mentor

Poster # 107

Lauren Wood

History
"A Tiered Approach to Classroom
Management"
Professor Jonathan Singer, Mentor

Poster # 111A

Melissa Zarger

Psychology
"The Effect of Minority and Socioeconomic
Status on Parental Involvement"
Professor Lynnda Dahlquist, Mentor

Poster # 89

University Center Ballroom

12:30 – 3:00 P.M.

Danielle Adekunle

Biological Sciences
"IL-1 β Induced Inflammation and MYC
Oncogene Activation: A New Model for Colon
Carcinogenesis"
Professor Charles Bieberich, Mentor

Poster # 18

Jhullian Alston

Biological Sciences
"The Role of Androgen Dependence in a
Mouse Model of Prostate Cancer"
Professor Charles Bieberich, Mentor

Poster # 127P

Uvonne Andoh
Farnaz Feizian
Joshua Dutterer

Information Systems
"3D Modeling for Older Adults"
Professor Amy Hurst, Mentor

Poster # 3

Aryana Arsham

Physics
"The Radiative Deceleration of Large-Scale
Extragalactic Jets at Large Cosmological
Redshifts"
**Professor Markos Georganopoulos,
Mentor**

Poster # 90

Sara Azeem

Biological Sciences
"Effect of the rpsE Mutation on the Strep
Dependent *Escherichia coli*"
Professor Philip Farabaugh, Mentor

Poster # 109

Leila Bahmani-Kazerooni

Biological Sciences
"The Consequences of Combining
Mitochondrial DNA and Nuclear DNA for
Evolutionary Trees"
Professor Kevin Omland, Mentor

Poster # 82

Poster Presentations

Zach Bailey	Chemical, Biochemical, and Environmental Engineering “Investigating the Effects of Beta-Amyloid's Interaction with G-protein Coupled Receptors on a Rat Hippocampal Neuron” Professor Mariajose Castellanos, Mentor	Poster # 76P
Aimee Bark	History “Homework Motivation Strategies” Professor Jonathan Singer, Mentor	Poster # 53P
Sierra Benson-Brown Heather Burtch Gregory Brinsley	Ancient Studies “Syncretism in Pompeii” Professor Marilyn Goldberg, Mentor	Poster # 67
Tatiana Bradshaw	History “Student Involvement, Academic Achievement, and Social Interaction” Professor Jonathan Singer, Mentor	Poster # 54
Brian Brown	Chemistry and Biochemistry “Synthesis of Cyclic and Acyclic Nucleotide Viral Polymerase Inhibitors” Professor Katherine L. Seley-Radtke, Mentor	Poster # 15P
Caroline Brunschwyler Amanda Mancuso	Information Systems “Using Mobile Technologies to Support Procedural Memory for Individuals with Executive Functioning Deficits” Professor Ravi Kuber, Mentor	Poster # 131P
Matthew Buchanan	Mechanical Engineering “Characterization of Carbon Nano-Structure Infused Fiber Reinforcements on Glass Fiber Substrates” Professor Marcus Zupan, Mentor	Poster # 96
Robert Burton	Chemical, Biochemical, and Environmental Engineering “Removal of Tetracycline Antibiotics from Water Using the UV-H ₂ O ₂ Process” Professor Lee Blaney, Mentor	Poster # 55P
Sarah Campbell	Biological Sciences “Rat Ultrasonic Signals as a Novel Measure of Spontaneous Pain in the Formalin Model” Professor Jasenka Borzan, Mentor	Poster # 12
James Carlson Andrew Pannoni	Music “MP3 Players and Other Handheld Devices in Schools” Professor Jonathan Singer, Mentor	Poster # 20A

Poster Presentations

Jen Chang Andrew Coates	Biological Sciences "Mathematical Modeling for Signal Transduction in Mammalian Olfactory Sensory Neurons" Professor Weihong Lin, Mentor	Poster # 123P
John Chavis	Chemistry and Biochemistry "Understanding the Interaction between Glyceraldehyde-3-Phosphate Dehydrogenase and Endothelin-1 mRNA" Professor Elsa Garcin, Mentor	Poster # 71
Briani Claggett	Biological Sciences "Genetic Basis of Natural Variation in Innate Immune Function: The Role of Phagocytosis" Professor Jeff Leips, Mentor	Poster # 42P
Sergiu Costinas Charles White	Biological Sciences "Designing a Choice Test for Song Preference in Songbirds" Professor Bernard Lohr, Mentor	Poster # 113
Kenneth Derda, Ian McGaughran, Jonathan Schubbe, Richard Adjogah, Jason Garcia, Timothy Noel	Computer Science and Electrical Engineering "Puzzle Box: Video Game to Challenge Spatial Perception through Three-Dimensional Puzzles" Professor Marc Olano, Mentor	Poster # 10G
Joseph Evans Justin W. Plott	History "Improving Rates of Attendance through Student Awareness" Professor Jonathan Singer, Mentor	Poster # 95P
Zachary Francis	History "Easing the Transition to High School for Freshmen Students through Positive Peer Influence" Professor Jonathan Singer, Mentor	Poster # 20P
Lisa Fritts	Biological Sciences "The Gray Area: Learning How to Reach Unmotivated Students" Professor Jonathan Singer, Mentor	Poster # 52P
Dionna Gamble	Biochemistry and Molecular Biology "Long Chain Saturated Fatty Acids Prevent the Decline in Contractile Function Compared to Low Fat Diet in Heart Failure" Professor William Stanley, Mentor	Poster # 98
Scott Goldweber	Bioinformatics and Computational Biology "Analysis of Common Phenotypic Disruptions Between Organisms Using a Protein Domain Framework" Professor Maricel Kann, Mentor	Poster # 32

Poster Presentations

Thomas Hervey Aneep Bindra Zachary Hulihan	Computer Science and Electrical Engineering “Lights, Camera, Motion, Action: The Dance Application of Microsoft’s Kinect and Intelligent Stage Lighting” Professor Marc Olano, Mentor Professor Carol Hess, Mentor	Poster #10C
Dalton Hughes Chris Mullen	Chemical, Biochemical, and Environmental Engineering “Development of a Low-Tech Process for Treating Bacterial Contaminants in an Unprotected Spring in Isongo, Kenya” Professor Lee Blaney, Mentor	Poster # 4P
Aymen Hussein	Biological Sciences “A Comparison of Songs in the Critically Endangered Florida Grasshopper Sparrow and the Eastern Grasshopper Sparrow” Professor Bernard Lohr, Mentor	Poster # 84
Erica Igwacho	Biological Sciences “Detection of a Fatal Reo-like Virus among Blue Crabs on the Northeastern U.S Coast” Professor Eric Schott, Mentor	Poster # 86
Scott Johnson	Chemistry and Biochemistry “Understanding the Lipid Biosynthetic Pathway in <i>Chlamydomonas reinhardtii</i> with Deterministic Kinetic Modeling” Professor Ian Thorpe, Mentor	Poster # 61
Ki Jung	Biological Sciences “Song Type Patterning and Song Output in Grasshopper Sparrows (<i>Ammodramus savannarum</i>)” Professor Bernard Lohr, Mentor	Poster # 45
Shana Kadavil	Interdisciplinary Studies “Assessing the Affective Component of Pain” Professor Ke Ren, Mentor	Poster # 2
Henry Kahl	Ancient Studies “Tanagra Figurines: The Role of Women in Ancient Greek Society” Professor Esther Read, Mentor	Poster # 30
Jacob Keener	Political Science “Democracy and Peace Reconsidered” Professor Cynthia Hody, Mentor	Poster # 6
Kristen Kreider Samantha Braatz	Psychology “The Effects of Virtual Reality Distraction and Background Noise on Pain Tolerance in College Students” Professor Lynnda Dahlquist, Mentor	Poster # 122P

Poster Presentations

Karah Kuczarski	Psychology “The Influence of Social Anxiety Symptoms on Perceptual Bias during Couple Conflict” Professor Robin Barry, Mentor	Poster # 129P
Sandya Lakkur	Mathematics and Statistics “Multiple Imputation Analysis of Cognitive Differences in Schizophrenia Subgroups Compared to Controls” Professor Robert McMahon, Mentor	Poster # 133P
Brandon Lebe	Music “Multiple Intelligence and Music” Professor Jonathan Singer, Mentor	Poster # 111P
Hiba Malik	Biological Sciences “Role of TRPM5 in Survival of Olfactory Sensory Neurons” Professor Weihong Lin, Mentor	Poster # 119P
Sania Malik	Health Administration and Policy “Testing Ability of Live Attenuated Tetravalent Dengue Vaccine to Develop Antibodies against All Types of Dengue Virus” Professor Anna Durbin, Mentor	Poster # 47
Palmira Mangae	Biological Sciences “Epigenetics of Sickle Cell Pain: Is Perceived Stigma Associated with Expression of the COMT Gene?” Professor Shawn Bediako, Mentor	Poster # 63
Chelsea Meh	Biological Sciences “Identifying PRRSV Structural Components that Activate Regulatory T Cells and Diminish Protective Immunity” Professor Tanya LeRoith, Mentor	Poster # 43
Michael Moubarek	Biochemistry and Molecular Biology “Determining the Contribution of <i>Twist1</i> in Neoplastic Progression within the MPAKT Mouse Prostate Cancer Model” Professor Charles Bieberich, Mentor	Poster # 37
Michael Nguyen	Biological Sciences “A Comparison of Genetic and Epigenetic Diversity between Urban and Nonurban Populations of a North American Stream Fish” Professor Tamra Mendelson, Mentor	Poster # 23
Natasha Nubgaard	Geography and Environmental Systems “Increasing Homework Turn-in Rates in Tenth-Grade Biology Classes” Professor Jonathan Singer, Mentor	Poster # 39

Poster Presentations

Felix Nwogbo	Biochemistry and Molecular Biology “Brown Adipose Tissue, Friend or Foe?” Professor Laundette Jones, Mentor	Poster # 21P
Joyce Ohiri	Biological Sciences “Characterizing the AC1-Exemestane Resistant Cell Line in Estrogen-Dependent Breast Cancer” Professor Angela Brodie, Mentor	Poster # 101P
Oseogie Okojie	Biological Sciences “An Analysis on the Effect of Erythromycin on Ribosomal Pausing in <i>Escherichia coli</i> ” Professor Lasse Lindahl, Mentor	Poster # 87P
Uchenna Okoro	Chemistry and Biochemistry “Flexible Guanosine Nucleobase Analogues as Antiviral Agents” Professor Katherine L. Seley-Radtke, Mentor	Poster # 69
Royce Onyimba	Biological Sciences “The Role of HIF-1 α in CD1d-mediated NKT Cell Responses to Mantle Cell Lymphoma” Professor Tonya Webb, Mentor	Poster # 92
Christina Parker	Chemistry and Biochemistry “Synthesis of a Transferrin Functionalized Dendron for Targeting Advanced Stages of Cancer” Professor Marie-Christine Daniel, Mentor	Poster # 57
Christopher Paymon	Mechanical Engineering “Local Mechanical Behavior Measurements of Friction Stir Welded Titanium” Professor Marc Zupan, Mentor	Poster # 126
Megan Pejsa	Psychology “Detecting Unhealthy Eating Attitudes and Behaviors among African-American Girls of Varying Weight Status” Professor Maureen Black, Mentor	Poster # 106
Kedar Perkins	Chemistry and Biochemistry “Gold Nanoparticle as X-Ray CT Contrast Agent in the Detection of Cardiovascular Diseases” Professor Marie-Christine Daniel, Mentor	Poster # 34
Megan Powell	Psychology “Motivational Interviewing and Intimate Partner Violence: An Eight-Year Follow-Up on Men Who Batter” Professor Christopher Murphy, Mentor	Poster # 26

Poster Presentations

Brooke Prince	Biological Sciences “Babies and Biodiversity: How Stomatopod Larval Sampling Improves Estimates of Biodiversity in the Great Barrier Reef” Professor Thomas Cronin, Mentor	Poster # 59P
Heather Rogers	Health Administration and Policy “Examining the Relationship between BMI and Depressive Symptoms in African-American Adolescent Females” Professor Maureen Black, Mentor	Poster # 28
Morey Rosner Jonathan Lee	History “The Subtle Homework Transition: Starting Homework Achievement in Class” Professor Jonathan Singer, Mentor	Poster # 80P
Morgan Russo	Political Science “Building a Better Community: St. Augustine's City of God” Professor Lisa Vetter, Mentor	Poster # 25P
Nathan Scavilla	Physics “An Investigation of Wind Shear in the Coastal Mid-Atlantic with Applications to Wind Energy” Professor Lynn Sparling, Mentor	Poster # 1
Mitsu Shah	Bioinformatics and Computational Biology “Text-Mining Tools to Aid Diagnosis of Cancer” Professor Maricel G. Kann, Mentor	Poster # 117
James Stewart II	Biological Sciences “Correlation between Anemia and Congestive Heart Failure and Hospital Stay” Professor Nowreen Haq, Mentor	Poster # 138P
David Sweigart	Physics “Designing and Simulating THz Waveguide Devices using Finite Element Techniques” Professor Michael Hayden, Mentor	Poster # 97P
Yohka Tanaka	Interdisciplinary Studies “Social Entrepreneurship: My Strategy to Bring about a Change on UMBC Campus” Professor David Hoffman, Mentor	Poster # 103
Doris Taylor	Biological Sciences “How Much Pain Exactly? Quantifying Spontaneous Pain due to Spinal Cord Injury from Electrolytic Lesion Model” Professor Asaf Keller, Mentor	Poster # 8

Poster Presentations

Franki Trout	Dance “Dance as Support in an English Classroom” Professor Jonathan Singer, Mentor	Poster # 20
UMBC Computer Game Club	Computer Science and Electrical Engineering “Experiences in Group Game Development” Professor Marc Olano, Mentor	Poster # 10B
Soraya Veloso Williams	Modern Language, Linguistics, and Intercultural Communication “The New Left of Latin America: Popular or Authoritarian Leaders? The Case of Ecuador’s Rafael Correa” Professor John Stolle- Mcallister, Mentor	Poster # 136
Jennifer Wachtel	History “Popular and Academic Comparisons of the United States’ Iraq War and Vietnam War” Professor Meredith Oyen, Mentor	Poster # 121
Samiullah Wagan	Chemistry and Biochemistry “Biocompatible Coated Electrodes for Long Term <i>in vivo</i> Sensing” Professor Ryan White, Mentor	Poster # 124
Christopher Yankaskas	Chemical, Biochemical, and Environmental Engineering “Morphological Characterization of <i>Aspergillus nidulans</i> Autophagy Mutants” Professor Mark Marten, Mentor	Poster # 134P
Shannon Zik	Biological Sciences “Design and Synthesis of Chlorin Dimer: Platform for Development of Fluorescent Probes for <i>in vivo</i> Imaging” Professor Marcin Ptaszek, Mentor	Poster # 115