

# Poster Presentations

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## University Center Ballroom

1:00 - 3:00 p.m.

<b>Izath Aguilar</b>	<b>Chemical Engineering</b> "Role of K <sup>+</sup> Channels in A $\beta$ Toxicity" <b>Professor Theresa Good, Mentor</b>	<b>Poster # 79</b>
<b>Belinda Akpeng</b>	<b>Biological Sciences</b> "Role of Chemosensory Organs in Food Discrimination by <i>Manduca sexta</i> " <b>Professor Frank Hanson, Mentor</b>	<b>Poster # 26</b>
<b>Brook Asamenew</b>	<b>Biological Sciences</b> "Identifying NKX3.1 Regulatory Targets" <b>Professor Charles Bieberich, Mentor</b>	<b>Poster # 82</b>
<b>Olufolakemi Awe</b>	<b>Biochemistry and Molecular Biology</b> "Identification of the Secondary Structural Elements of the RFX Gene Regulatory-complex Proteins by CD Spectroscopy" <b>Professor Colin Garvie, Mentor</b>	<b>Poster # 32</b>
<b>Joyce Awuro</b>	<b>Health Administration and Policy</b> "Drug Combination Therapy for Malaria: Analysis of Experimental Studies and Proposal for a Comprehensive Approach" <b>Professor Andrea Kalfoglou, Mentor</b>	<b>Poster # 56</b>
<b>Tawny Barin</b>	<b>Information Systems</b> "Gender and the Use of Social Networking Sites" <b>Professor Anita Komlodi, Mentor</b>	<b>Poster # 44</b>
<b>Abraham Beyene</b>	<b>Chemical Engineering</b> "Calcium Dynamics in the Extracellular Space of Neural Tissue" <b>Professor Mariajose Castellanos, Mentor</b>	<b>Poster # 34</b>
<b>Weston Bittner</b>	<b>Ancient Studies</b> "Site and Social Hierarchy in the Mycenaean Kingdom of Pylos" <b>Professor Marilyn Goldberg, Mentor</b>	<b>Poster # 59</b>

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<b>Destiney Buelto</b>	<b>Biochemistry and Molecular Biology</b> “Analysis of Aromatase Expression in the Breast/Stromal Microenvironment between African American and Caucasian Women” <b>Professor Laudette Jones, Mentor</b>	<b>Poster # 14</b>
<b>Erwin Cabrera</b>	<b>Biological Sciences</b> “Probing the Structure of Human Green Opsin Using Site Directed Spin Labeling” <b>Professor Phyllis Robinson, Mentor</b>	<b>Poster # 17</b>
<b>Elizabeth Campbell</b>	<b>Chemistry</b> “Solvent Effects on Charge-Transfer Complexes” <b>Professor Bradley Arnold, Mentor</b>	<b>Poster # 28</b>
<b>Paul Carmack</b>	<b>Music</b> “Beats From the Streets: Music in its Most Sincere Form” <b>Professor David Kim-Boyle, Mentor</b>	<b>Poster # 3</b>
<b>Michael Comberiate, Jr.</b>	<b>Biological Sciences</b> “Changes in MMP-9 Protein Levels as an Indicator of Brain Perturbation by Nicotine Exposure” <b>Professor Jessica Mong, Mentor</b>	<b>Poster # 75</b>
<b>Ishmeal Conteh</b>	<b>Psychology</b> “Do Race and Gender Influence Perceptions about Individuals with Sickle Cell Disease?” <b>Professor Shawn Bediako, Mentor</b>	<b>Poster # 8</b>
<b>Casey Daniels</b>	<b>Biological Sciences</b> “The Role of Thymidine Kinase and Thymidylate Synthase in the Response of Tumor Cells to 2'-F-ara-deoxyuridine” <b>Professor Angelika Burger, Mentor</b>	<b>Poster # 58</b>
<b>Tiffany Fleet</b>	<b>Biological Sciences</b> “Functional Characterization of RNase MRP in the Absence of XRN1 in order to further Elucidate Ribosomal RNA Processing” <b>Professor Lasse Lindahl, Mentor</b>	<b>Poster # 54</b>

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<b>Andrew Fritz</b>	<b>Psychology</b> “The Forms of Goal Orientation and its Relation to Fear of Failure: A Correlational Study” <b>Professor Diane Alonso, Mentor</b>	<b>Poster # 76</b>
<b>Darryl Gaines</b>	<b>Biological Sciences</b> “The Effect of Pertussis Toxin on Mouse Airway Macrophages” <b>Professor Nicholas Carbonetti, Mentor</b>	<b>Poster # 36</b>
<b>Amber Gaither</b>	<b>Biological Sciences</b> “Pyrosequencing to Detect Resistance-conferring Mutations in <i>Plasmodium falciparum</i> ” <b>Professor Christopher Plowe, Mentor</b>	<b>Poster # 52</b>
<b>Anna Gitterman</b>	<b>Biological Sciences</b> “Analyzing the Function of RIsA, a Paralog of the Master Cell-type Regulatory Protein RegA in <i>Volvox carteri</i> ” <b>Professor Stephen Miller, Mentor</b>	<b>Poster # 46</b>
<b>Joy Ihekweazu</b>	<b>Chemistry</b> “Non-Covalent Interactions between Naphthalene Imide Compounds and Proteins” <b>Professor Lisa Kelly, Mentor</b>	<b>Poster # 62</b>
<b>Ammar Jaber</b>	<b>Biological Sciences</b> “Taste Preference Test in Mouse Deficient Acetylcholine Receptor” <b>Professor Tatsuya Ogura, Mentor</b>	<b>Poster # 50</b>
<b>Christopher Johnson</b>	<b>Music</b> “Emulating an Acoustic Instrument Using Advanced Sampling Software” <b>Professor Alan Wonneberger, Mentor</b>	<b>Poster #5</b>
<b>Vovanti Jones</b>	<b>Biological Sciences</b> “Investigating Potential Second Site Suppressors in the Amp A Pathway in <i>D. discoidium</i> ” <b>Professor Daphne Blumberg, Mentor</b>	<b>Poster # 22</b>

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<b>Jung Kim</b>	<b>Biochemistry and Molecular Biology</b> “Gene Knockdown Model for PKCI/HINT1 Protein in PC12 Cells” <b>Professor Jia Bei Wang, Mentor</b>	<b>Poster # 12</b>
<b>Matthew Malinowski</b>	<b>Chemistry</b> “One-Dimensional Diffusion of Gene 32 Protein along dsDNA” <b>Professor Richard Karpel, Mentor</b>	<b>Poster # 16</b>
<b>Jessica McGrath</b>	<b>Biochemistry and Molecular Biology</b> “The Relationship between the Structure of the FIV Matrix Protein and its Ability to Target the Plasma Membrane” <b>Professor Michael Summers, Mentor</b>	<b>Poster # 81</b>
<b>Gabrielle McRae</b>	<b>Biochemistry and Molecular Biology</b> “The Effect of Toll-like Receptors on the Activity of Antigen-presenting Cells” <b>Professor Donna Farber, Mentor</b>	<b>Poster # 71</b>
<b>Arpit Mehta</b>	<b>Biological Sciences</b> “The Role of Chemosensory Organs in Food Selection by the Caterpillar Tobacco Hornworm, <i>Manduca sexta</i> ” <b>Professor Frank Hanson, Mentor</b>	<b>Poster # 30</b>
<b>Kasebaath Mekonnen</b>	<b>Interdisciplinary Studies</b> “Malaria and Insecticide-treated Bednets in Ishaka, Uganda” <b>Professor Sarah Chard, Mentor</b> <b>Professor Julia Hanebrink, Mentor</b>	<b>Poster # 41</b>
<b>Bettel Mussie</b>	<b>Biological Sciences</b> “Sex Differences in Glia Morphology in Rat Cerebellum” <b>Professor Margaret McCarthy, Mentor</b>	<b>Poster # 60</b>
<b>Vanessa Nakoski</b>	<b>American Studies</b> “Will Ferrell Films and Male Undergraduate Masculinity” <b>Professor Dabrina Taylor, Mentor</b>	<b>Poster # 23</b>

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<b>Frances Onyimba</b>	<b>Biological Sciences</b> “Sexual Differentiation of the Developing Amygdala” <b>Professor Margaret McCarthy, Mentor</b>	<b>Poster # 20</b>
<b>Ben Potok</b>	<b>Music</b> “A Coordinated Approach to Playing the Drum Set” <b>Professor Joseph Morin, Mentor</b>	<b>Poster # 4</b>
<b>Amanda Reamy</b>	<b>Biological Sciences</b> “The Effect of Down Syndrome Cell Adhesion Molecule on the Cellular Immune Response of <i>D. melanogaster</i> ” <b>Professor Jeff Leips, Mentor</b>	<b>Poster # 70</b>
<b>Anam Salman</b>	<b>Biological Sciences</b> “Isolation of Erythromycin-sensitive <i>Saccharomyces cerevisiae</i> by UV Mutagenesis and Nystatin Enrichment” <b>Professor Lasse Lindahl, Mentor</b>	<b>Poster # 64</b>
<b>Tanu Sharma</b>	<b>Biochemistry and Molecular Biology</b> “Probing the Counterion to the Protonated Schiff Base in Melanopsin” <b>Professor Phyllis Robinson, Mentor</b>	<b>Poster # 40</b>
<b>Nirav Shelat</b>	<b>Biochemistry and Molecular Biology</b> “Structural Development of Unknown <i>Streptococcus Pneumonia</i> Polysaccharide through NMR Spectroscopy Analysis” <b>Professor C. Allen Bush, Mentor</b>	<b>Poster # 80</b>
<b>Trevor Simpson</b>	<b>Music</b> “Component-based Electronics and their Relevance in Historical Recording Methods” <b>Professor Alan Wonneburger, Mentor</b>	<b>Poster # 2</b>

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<b>Lauren Snyder</b>	<b>American Studies</b> “The Community-building Function of Modern Coffeehouses” <b>Professor Warren Belasco, Mentor</b>	<b>Poster # 77</b>
<b>Rebecca Stern</b>	<b>Psychology</b> “The Food Allergy Diagnosis and Maternal Perceptions” <b>Professor Lynnda Dahlquist, Mentor</b>	<b>Poster # 67</b>
<b>Melissa Stockbridge</b>	<b>Modern Languages and Linguistics</b> “Indirect Speech Act Comprehension in Patients with Asperger Syndrome: A Formal Logic Approach” <b>Professor Thomas Field, Mentor</b>	<b>Poster # 38</b>
<b>UMBC Game Developer’s Club</b>	<b>Computer Science</b> President/Programmer: <b>Charles Lohr</b> Vice President/Artist: <b>Arthur Gould</b> Art Director: <b>Lesa Wilcox</b> Programming: <b>Kiran Sudhakara, Benjamin Dailey, Matthew Song, Paul Oliver</b> , David Chapman Art: <b>Joel Bowers, Jonathan Pack, Helen Zhang, Tim Brosius, Megan Zlock</b> “Video Game Development: Exploration into 3D and 2D Gaming Experiences” <b>Professor Marc Olano, Mentor</b>	<b>Poster # 1</b>
<b>Jacquiline Wanjoni</b>	<b>Health Administration and Policy</b> “Human Rights: Use of Human Beings in Unethical Clinical Research in Developing Nations” <b>Professor Andrea Kalfoglou, Mentor</b>	<b>Poster # 10</b>
<b>Dianne Weeks</b>	<b>Mechanical Engineering</b> “Investigations of the Temperature Elevation during Magnetic Fluid Hyperthermia: An <i>in vitro</i> Experimental Study” <b>Professor Liang Zhu, Mentor</b>	<b>Poster # 18</b>