Poster Presentations

University Center Ballroom

9:30 - 11:30 a.m.

Bridget Armstrong and Elizabeth Silberholz
Psychology
“The Effects of Child Food Allergy on Family Activities”
Professor Lynnda Dahlquist, Mentor

April Asare and Nancy Borger
Social Work
“Creating Academic Success Through Guided Study Sessions”
Professor Susan McFeaters, Mentor

Caryn Bell
Chemistry
“Development of an Artificial Nose for Detecting Ambient-Air Particulates”
Professor William LaCourse, Mentor

Samantha Bier
Psychology
“Active Coping and Perceived Control Influence Cortisol Responses to Acute Pain among Women”
Professor Lynanne McGuire, Mentor

Sarah Blusiewicz
History
“Sparrows Point: A Study of the Influence of Deindustrialization on a Baltimore Neighborhood”
Professor Kriste Lindenmeyer, Mentor

Brandon Borde
Mechanical Engineering
“Analysis of the Mechanical Behavior of Bovine Descending Aorta”
Professor Tim Topoleski, Mentor

Ashleigh Bouchelion
Biological Sciences
“Characterization of Mutation in C. elegans POP-1; A Core Component of the Wnt Signaling Pathway”
Professor David Eisenmann, Mentor
<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
<th>Title</th>
<th>Poster #</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ramon Cabrera</td>
<td>Biological Sciences</td>
<td>“The Effect of Mouse Nasal Epithelium Damage on the Proliferation of Solitary Chemosensory Cells”</td>
<td>7</td>
</tr>
<tr>
<td>Pei-Chun Chen</td>
<td>Biochemistry and Molecular Biology</td>
<td>“The Investigation of Toxic Crotamine for Drug Delivery”</td>
<td>47</td>
</tr>
<tr>
<td>Nancy Chiles</td>
<td>Biological Sciences</td>
<td>“Education and its Role in Recovery from a Hip Fracture”</td>
<td>31</td>
</tr>
<tr>
<td>George Cutsail, III</td>
<td>Chemistry</td>
<td>“Copper Amyloid-beta Complex in Alzheimer’s Disease”</td>
<td>42</td>
</tr>
<tr>
<td>Whitney Fields</td>
<td>Biological Sciences</td>
<td>“Isolation of Mutations in L4 and L22 that Confer Resistance to the Antibiotic Tylosin”</td>
<td>37</td>
</tr>
<tr>
<td>John Glaros, Charles Lohr, and Chad Flanders</td>
<td>Computer Engineering</td>
<td>“Reconfigurable Swarm Robotics”</td>
<td>66</td>
</tr>
<tr>
<td>Aubrey Hillman</td>
<td>Environmental Science</td>
<td>“Consumer Feeding Interacts with Selective Tree Species Loss in Streams: Consequences for In-Stream Ecosystem Processes”</td>
<td>35</td>
</tr>
<tr>
<td>Ruby Jackson-Atogi</td>
<td>Biological Sciences</td>
<td>“Parasitoid Host Choice: An Evolved or Learned Behavior?”</td>
<td>9</td>
</tr>
<tr>
<td>Hasina Jamal</td>
<td>Computer Engineering</td>
<td>“Gas Sensing with Photoacoustic Detection”</td>
<td>33</td>
</tr>
</tbody>
</table>
## Poster Presentations

<table>
<thead>
<tr>
<th>Name</th>
<th>Field</th>
<th>Title</th>
<th>Mentor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yasmeen Khaskia</td>
<td>Psychology</td>
<td>“The Effects of Perceived Control over Acute Pain on in vivo Catastrophizing”</td>
<td>Professor Lynanne McGuire, Mentor</td>
</tr>
<tr>
<td>Lynna Kiere</td>
<td>Biological Sciences</td>
<td>“Reconstructing Evolution of Cacique Carotenoid Color”</td>
<td>Professor Kevin Omland, Mentor</td>
</tr>
<tr>
<td>Tatiana Lary</td>
<td>Psychology</td>
<td>“The Correlation between Air Pollution and Mental Health”</td>
<td>Professor Laura Stapleton, Mentor</td>
</tr>
<tr>
<td>Nirvana Maharaj</td>
<td>Chemical Engineering</td>
<td>“Protein Diffusion from Poly(Ethylene Glycol) Vinyl Sulfone Scaffolds”</td>
<td>Professor Jennie Leach, Mentor</td>
</tr>
<tr>
<td>Amber Mahmood</td>
<td>Chemical Engineering</td>
<td>“A Transcription Model”</td>
<td>Professor Mariajose Castellanos, Mentor</td>
</tr>
<tr>
<td>Ari Ne’eman</td>
<td>Political Science</td>
<td>“The Role of Economic Development Indicators in the Electoral Patterns of Two Eastern European Transitional Democracies”</td>
<td>Professor Carolyn Forestiere, Mentor</td>
</tr>
<tr>
<td>Simran Noor</td>
<td>American Studies</td>
<td>“Neighborhood University Initiative: A Strategy for Redevelopment of West Baltimore”</td>
<td>Professor Edward Orser, Mentor</td>
</tr>
<tr>
<td>Chinwendu Opara</td>
<td>Biological Sciences</td>
<td>“The Task-evoked Pupillary Response: A Measure of Cognitive Effort”</td>
<td>Professor Arthur Wingfield, Mentor</td>
</tr>
<tr>
<td>Nick Pinkin</td>
<td>Chemistry</td>
<td>“Synthesis of Potential Inhibitors of Thymidylate Synthase Based on Quinazoline Structural Skeleton”</td>
<td>Professor Ramachandra Hosmane, Mentor</td>
</tr>
</tbody>
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Poster Presentations

Rebecca Reeves  Environmental Science  Poster # 24
“The Effect of Road Salt on Competition between Gray Tree Frog (Hyla versicolor) Tadpoles”
Professor Christopher Swan, Mentor

Sasan Salimian  Biochemistry and Molecular Biology  Poster # 45
“Characterization of HTA8, a Histone H2A Gene, in Arabidopsis Defense Regulation”
Professor Hua Lu, Mentor

Megan Sipes  Psychology  Poster # 25
“Relationship between Distress and Duration of Procedure in Pediatric Cancer Patients”
Professor Lynnda Dahlquist, Mentor

Erica Smearman  Biological Sciences  Poster # 61
“A Novel Buprenorphine Application Method for the Treatment of Opioid Dependence”
Joseph A. Harrison, Mentor

Kacie Smith  Media and Communication Studies  Poster # 49
“The Evolution of Gender Representations in Switzerland: A Content Analysis”
Professor Jason Loviglio, Mentor

Rahilla Tarfa  Bioinformatics and Computational Biology  Poster # 68
“Were the 20 Amino Acids Randomly Chosen by Life?”
Professor Stephen Freeland, Mentor

Steven Tuyishime  Biological Sciences  Poster # 72
“Spiramycin-resistant Mutations in Escherichia coli L4 and L22”
Professor Janice Zengel, Mentor
Poster Presentations

UMBC Game Developer’s Club

Computer Science
President/Programmer: Charles Lohr
Vice President/Artist: Arthur Gould
Art Director: Lesa Wilcox
Programming: Kiran Sudhakara, Benjamin Dailey, Matthew Song, Paul Oliver, David Chapman
Art: Joel Bowers, Jonathan Pack, Helen Zhang, Tim Brosius, Megan Zlock
“Video Game Development: Exploration into 3D and 2D Gaming Experiences”
Professor Marc Olano, Mentor

Seth Vacek

Psychology
“Beneath the Ink: The Revelation of Tattoos”
Professor Shawn Bediako, Mentor
Professor Karen Freiberg, Mentor