

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	Poster # 19
April Asare and Nancy Borger	Social Work “Creating Academic Success Through Guided Study Sessions” Professor Susan McFeaters, Mentor	Poster # 43
Caryn Bell	Chemistry “Development of an Artificial Nose for Detecting Ambient-Air Particulates” Professor William LaCourse, Mentor	Poster # 15
Samantha Bier	Psychology “Active Coping and Perceived Control Influence Cortisol Responses to Acute Pain among Women” Professor Lynanne McGuire, Mentor	Poster # 29
Sarah Blusiewicz	History “Sparrows Point: A Study of the Influence of Deindustrialization on a Baltimore Neighborhood” Professor Kriste Lindenmeyer, Mentor	Poster # 13
Brandon Borde	Mechanical Engineering “Analysis of the Mechanical Behavior of Bovine Descending Aorta” Professor Tim Topoleski, Mentor	Poster # 55
Ashleigh Bouchelion	Biological Sciences “Characterization of Mutation in <i>C. elegans</i> POP-1; A Core Component of the Wnt Signaling Pathway” Professor David Eisenmann, Mentor	Poster # 69

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Ramon Cabrera	Biological Sciences “The Effect of Mouse Nasal Epithelium Damage on the Proliferation of Solitary Chemosensory Cells” Professor Weihong Lin, Mentor	Poster # 7
Pei-Chun Chen	Biochemistry and Molecular Biology “The Investigation of Toxic Crostamine for Drug Delivery” Professor Richard Karpel, Mentor	Poster # 47
Nancy Chiles	Biological Sciences “Education and its Role in Recovery from a Hip Fracture” Professor Ann Gruber-Baldini, Mentor	Poster # 31
George Cutsail, III	Chemistry “Copper Amyloid-beta Complex in Alzheimer’s Disease” Professor Veronika Szalai, Mentor	Poster # 42
Whitney Fields	Biological Sciences “Isolation of Mutations in L4 and L22 that Confer Resistance to the Antibiotic Tylosin” Professor Janice Zengel, Mentor	Poster # 37
John Glaros, Charles Lohr, and Chad Flanders	Computer Engineering “Reconfigurable Swarm Robotics” Professor Tim Oates, Mentor	Poster # 66
Aubrey Hillman	Environmental Science “Consumer Feeding Interacts with Selective Tree Species Loss in Streams: Consequences for In-Stream Ecosystem Processes” Professor Christopher Swan, Mentor	Poster # 35
Ruby Jackson-Atogi	Biological Sciences “Parasitoid Host Choice: An Evolved or Learned Behavior?” Professor Jeff Leips, Mentor	Poster # 9
Hasina Jamal	Computer Engineering “Gas Sensing with Photoacoustic Detection” Professor Fow-Sen Choa, Mentor	Poster # 33

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Yasmeen Khaskia	Psychology “The Effects of Perceived Control over Acute Pain on <i>in vivo</i> Catastrophizing” Professor Lynanne McGuire, Mentor	Poster # 63
Lynna Kiere	Biological Sciences “Reconstructing Evolution of Cacique Carotenoid Color” Professor Kevin Omland, Mentor	Poster # 78
Tatiana Lary	Psychology “The Correlation between Air Pollution and Mental Health” Professor Laura Stapleton, Mentor	Poster # 53
Nirvana Maharaj	Chemical Engineering “Protein Diffusion from Poly(Ethylene Glycol) Vinyl Sulfone Scaffolds” Professor Jennie Leach, Mentor	Poster # 11
Amber Mahmood	Chemical Engineering “A Transcription Model” Professor Mariajose Castellanos, Mentor	Poster # 27
Ari Ne'eman	Political Science “The Role of Economic Development Indicators in the Electoral Patterns of Two Eastern European Transitional Democracies” Professor Carolyn Forestiere, Mentor	Poster # 51
Simran Noor	American Studies “Neighborhood University Initiative: A Strategy for Redevelopment of West Baltimore” Professor Edward Orser, Mentor	Poster # 6
Chinwendu Opara	Biological Sciences “The Task-evoked Pupillary Response: A Measure of Cognitive Effort” Professor Arthur Wingfield, Mentor	Poster # 39
Nick Pinkin	Chemistry “Synthesis of Potential Inhibitors of Thymidylate Synthase Based on Quinazoline Structural Skeleton” Professor Ramachandra Hosmane, Mentor	Poster # 73

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Rebecca Reeves	Environmental Science “The Effect of Road Salt on Competition between Gray Tree Frog (<i>Hyla versicolor</i>) Tadpoles” Professor Christopher Swan, Mentor	Poster # 24
Sasan Salimian	Biochemistry and Molecular Biology “Characterization of <i>HTA8</i> , a Histone H2A Gene, in <i>Arabidopsis</i> Defense Regulation” Professor Hua Lu, Mentor	Poster # 45
Megan Sipes	Psychology “Relationship between Distress and Duration of Procedure in Pediatric Cancer Patients” Professor Lynnda Dahlquist, Mentor	Poster # 25
Erica Smearman	Biological Sciences “A Novel Buprenorphine Application Method for the Treatment of Opioid Dependence” Joseph A. Harrison, Mentor	Poster # 61
Kacie Smith	Media and Communication Studies “The Evolution of Gender Representations in Switzerland: A Content Analysis” Professor Jason Loviglio, Mentor	Poster # 49
Rahilla Tarfa	Bioinformatics and Computational Biology “Were the 20 Amino Acids Randomly Chosen by Life?” Professor Stephen Freeland, Mentor	Poster # 68
Steven Tuyishime	Biological Sciences “Spiramycin-resistant Mutations in <i>Escherichia coli</i> L4 and L22” Professor Janice Zengel, Mentor	Poster # 72

Poster Presentations



**UMBC Game
Developer's Club**

Computer Science

President/Programmer: **Charles Lohr**

Vice President/Artist: **Arthur Gould**

Art Director: **Lesla 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

Poster # 1

Seth Vacek

Psychology

"Beneath the Ink: The Revelation of Tattoos"

Professor Shawn Bediako, Mentor

Professor Karen Freiberg, Mentor

Poster # 57