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| Student(s): **Brielle Levenberg,**  **Chaz Atkinson**  Mentor(s): **Ms. Colette Searls**  **Artistic Performance Presentation**  **PAHB 337, 10:30 am** | **“A Scene and Monologue Rehearsed for the Irene Ryan Scholarship Auditions”**  ***Theatre*** |
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| Student(s): **Daniela Mujica-Martorell**  Mentor(s): **Dr. Preminda Jacob,**  **Ms. Dominique Zeltzman**  **Film Presentation**  **UC 204, 10:30 am** | **“Between the Lines”**  ***Visual Arts*** |
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| **Oral Presentations in Engineering 023** | |
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| Student(s): **Julian Tash**  Mentor(s): **Dr. Meredith Oyen**  **10:00 am** | **“Burnt Bridges over Troubled Waters: A History of Territorial Disputes in the South China Sea”**  ***History*** |
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| Student(s): **Tyler Duckett**  Mentor(s): **Dr. Anne Sarah Rubin**  **10:15 am** | **“The Textbook Factor: Assessing Civil War Memory in Post-War Education, 1865-1915”**  ***History*** |
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| Student(s): **Flora Kirk**  Mentor(s): **Dr. Melissa Bailey**  **2:15 pm** | **“I Was Here: Roman Coins in the Third Century AD and their Role in Immortalizing Emperors”**  ***Ancient Studies*** |
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| **Oral Presentations, University Center, Room 310** | |
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| Student(s): **James Loy**  Mentor(s): **Dr. Matthew Pelton**  **10:45 am** | **“Charge Transfer from Single Semiconductor Nanocrystals to Single Molecules”**  ***Physics*** |
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| Student(s): **Da'Kuawn Johnson**  Mentor(s): **Dr. Christine Jacobs-Wagner, Dr. Rodrigo Arias Cartin**  **11:15 am** | **“Characterization of the Bacteriophage CR30 Homolog (gp140) of HarP”**  ***Biochemistry and Molecular Biology*** |
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| Student(s): **Caitlyn Maczka**  Mentor(s): **Dr. David Eisenmann**  **1:00 pm** | **“Characterization of an Embryonic Skin Enhancer Element from the C. elegans pax-3 gene”**  ***Biological Sciences*** |
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| Student(s): **Andreas Seas**  Mentor(s): **Dr. Alexey Kamenskiy,**  **Dr. Jason MacTaggart**  **1:15 pm** | **“Effects of Demographics and Risk Factors on the Elastic Strain Energy of Human Superficial Femoral Arteries”**  ***Chemical, Biochemical, and Environmental Engineering*** |
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| Student(s): **Seung Ho Choi**  Mentor(s): **Dr. Michael F. Summers,**  **Mr. Joshua Brown**  **2:15 pm** | **“Probing the Structure of the HIV-1 5′-L Monomeric Conformation and Start Site Heterogeneity By NMR Spectroscopy”**  ***Biochemistry and Molecular Biology*** |
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| Student(s): **Hannah Carter**  Mentor(s): **Dr. Michael F. Summers,**  **Mr. Joshua Brown**  **2:30 pm** | **“Probing the Structure of the HIV-1 5′-L Monomeric Conformation and Start Site Heterogeneity By NMR Spectroscopy”**  ***Chemistry and Biochemistry*** |
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| Student(s): **Mashhood Wani, Natalie Steenrod, Poornima Patel**  Mentor(s): **Dr. Minjoung Kyoung**  **3:00 pm** | **“Sustain-O-Scope: Simple Compound Light Microscope”**  ***Chemistry and Biochemistry*** |
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| Student(s): **Queenie Tran**  Mentor(s): **Dr. Charissa Cheah**  **11:00 am** | **“Parental Warmth Moderates the Association between Parenting Practices and Chinese-American Children’s Academic Outcomes”**  ***Psychology*** |
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| **Oral Presentations, University Center, Room 312** | |
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| Student(s): **Sarah Spicer**  Mentor(s): **Dr. Piotr Gwiazda**  **1:15 pm** | **“Cracked Messiah: Parody and Parable in Kurt Vonnegut's Troutean Novels”**  ***English*** |
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| Student(s): **Brittney Kramer, Elizabeth Chen, Alexa Abee**  Mentor(s): **Dr. Lindsay DiCuirci**  **1:30 pm** | **“Mill Girls in Nineteenth-Century Print”**  ***English*** |
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| Student(s): **Emily Grace**  Mentor(s): **Ms. Lia Purpura**  **2:15 pm** | **“By Ear: Hearing Poems into Being”**  ***English*** |
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| Student(s): **Akinlolu Afolabi**  Mentor(s): **Dr. Nancy Kusmaul**  **3:15 pm** | **“Perceptions of Police: African Immigrants vs. African American Citizens”**  ***Social Work*** |
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| **Poster Presentation, University Center Ballroom, 10 am to 4 pm** | |
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| Student(s): **Daniela Mujica-Martorell, Alison Kreckmann, Lindsay Glang**  Mentor(s): **Ms. Sally Shivnan, Ms. Guenet Abraham** | **“Storyboarding the Creative Process: An Interdisciplinary Look into the Collaborative Production of Bartleby”**  ***English*** |
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| Student(s): **Erika Schumacher,**  **Ryley Mayer, Claire Blevins,**  **Christopher Lense, Roberto Melgar**  Mentor(s): **Mr. Eric Jordan** | **“Alkaheist, Two-Dimensional Platformer, Explorations in Team-based Game Development”**  ***Computer Science*** |

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| **Poster Presentations, University Center Ballroom, 10 am to 12 pm** | | |
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| Student(s): **Olubukola Abiona, Natalie Harris**  Mentor(s): **Dr. Weihong Lin** | **“Regulating Chemical Access to Mouse Vomeronasal Organ by Solitary Chemosensory Cells”**  ***Biological Sciences*** | |
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| Student(s): **Hannah Aris**  Mentor(s): **Dr. Lee Blaney** | **“Recovery of Nutrients from Chicken Litter to Create a Slow-release Fertilizer”**  ***Chemical, Biochemical, and Environmental Engineering*** | |
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| Student(s): **Ann Cirincione**  Mentor(s): **Dr. Maricel Kann** | **“Identification of Molecular Properties to Cluster Genetic Markers of Cardiovascular Disease”**  ***Bioinformatics and Computational Biology*** | |
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| Student(s): **Katlyn Easter**  Mentor(s): **Dr. Jason Schiffman** | **“Analysis of Psychosis-Risk Screener and Interview Response Mismatch”**  ***Psychology*** | |
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| Student(s): **Chana Honick**  Mentor(s): **Dr. Zeev Rosenzweig** | **“Environmentally Benign Semiconductor Quantum Dot/Polymer Hybrid Solar Cells”**  ***Chemistry and Biochemistry*** | |
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| Student(s): **Chloe Kwon**  Mentor(s): **Dr. William LaCourse** | **“Characterization of Biodegradable Polymers Using TGA-GC/MS”**  ***Chemistry and Biochemistry*** | |
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| Student(s): **Amry Majeed**  Mentor(s): **Dr. Daniel Beury,**  **Dr. Suzanne Ostrand-Rosenberg** | **“The Role of the Transcription Factor Nrf2 in Regulating the Function of MDSC”**  ***Biochemistry and Molecular Biology*** | |
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| Student(s): **Christina Nordmark**  Mentor(s): **Dr. Michelle**  **Starz-Gaiano** | **“Imaging Three-Dimensional Space around Migratory Cells”**  ***Biological Sciences*** | |
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| Student(s): **Amanda Perera,**  **Sarah Moshman**  Mentor(s): **Dr. Lynnda Dahlquist** | **“Prior Video Game Experience and the Effectiveness of Video Game Distraction”**  ***Psychology*** | |
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| Student(s): **Sarah Pollock**  Mentor(s): **Dr. Minjoung Kyoung** | **“Engineering of the FRB Domain of the Mechanistic Target of Rapamycin (mTOR) to Probe Transient Interactions”**  ***Biochemistry and Molecular Biology*** | |
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| Student(s): **Tracee Simms**  Mentor(s): **Dr. Robin Barry** | **“Is Cognitive Inflexibility Associated with Physical Aggression, Emotional Abuse, and/or Sexual Abuse in Relationships?”**  ***Psychology*** | |
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| Student(s): **Savannah Steinly**  Mentor(s): **Dr. Lee Blaney** | **“Mapping the Specific Molar Extinction Coefficients of Organometallic Compounds”**  ***Chemical, Biochemical, and Environmental Engineering*** | |
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| Student(s): **Julian Tash,**  **Jennifer Christhilf**  Mentor(s): **Dr. Constantine Vaporis** | **“The Middle Kingdom’s Middle Ground: Understanding China’s Conciliatory Policy in the Mekong River”**  ***Asian Studies*** | |
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| Student(s): **Devin Taylor**  Mentor(s): **Dr. Marie-Christine Daniel** | **“Understanding Gold Nanoparticle Drug Delivery Systems for Therapeutic Use”**  ***Chemistry and Biochemistry*** | |
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| Student(s): **Aviva Zapinsky**  Mentor(s): **Dr. Lasse Lindahl,**  **Mr. Md. Shamsuzzaman** | **“Ribosomal Biosynthesis after Repression of Specific Ribosomal Protein Genes”**  ***Biological Sciences*** | |
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| Student(s): **Fan Zhang**  Mentor(s): **Ms. Viviana Cordova** | **“Seeing Science”**  ***Visual Arts*** | |
| **Poster Presentations, University Center Ballroom, 12 to 2 pm** | | |
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| Student(s): **Lynne Deckel**  Mentor(s): **Dr. Cheryl North** | **“Improving Argumentative Writing in Co-taught Tenth-Grade English”**  ***English*** | |
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| Student(s): **Paige Dutrow**  Mentor(s): **Dr. Christopher Rakes** | **“Student Interest and Performance on Mathematics Word Problems”**  ***Mathematics and Statistics*** | |
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| Student(s): **Manpreet Kaur**  Mentor(s): **Dr. Bernard Lohr** | **“Vocal Development in Grasshopper Sparrow (*Ammodramus savannarum pratensis*) Nestlings from Hatching to Post-Fledging”**  ***Biological Sciences*** | |
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| Student(s): **Maureen McGowan,**  **Priya Surapaneni,**  **Danielle O'Neill**  Mentor(s): **Dr. Jasmine Abrams** | **“Addressing Location, Literacy, and Cultural Barriers for a Prenatal Health Intervention in Haiti”**  ***Psychology*** | |
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| Student(s): **Daniel Ocasio**  Mentor(s): **Dr. Lee Blaney** | **“Photokinetic Determination of Environmentally Relevant Pharmaceuticals for UV-Based Applications in Treatment Facilities”**  ***Chemical, Biochemical, and Environmental Engineering*** | |
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| Student(s): **Sayre Posey**  Mentor(s): **Dr. Linda Oliva** | **“Evaluating Primary Source Documents: Using Evidence to Support Claim Writing in the Social Studies Classroom”**  ***History*** | |
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| Student(s): **Justin Leonel Santos**  Mentor(s): **Dr. Michael F. Summers** | **“Characterization of the HIV-1 5’UTR Dimerization Mechanism”**  ***Chemistry and Biochemistry*** | |
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| Student(s): **Michelle Seu**  Mentor(s): **Mr. Symmes Gardner, Dr. Cynthia Wagner, Dr. Elizabeth Picciuto** | **“The Importance of Physical Beauty to the Modern American Woman”**  ***Interdisciplinary Studies*** | |
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| Student(s): **Nevin Varghese**  Mentor(s): **Dr. Tim Jarvela,**  **Dr. Iris Lindberg** | **“The Role of Neuronal Chaperone proSAAS in Blocking 𝛼-synuclein Cytotoxicity”**  ***Chemistry and Biochemistry*** | |
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| **Poster Presentations, University Center Ballroom, 2 to 4 pm** | | |
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| Student(s): **Kathleen Carino, Augusto Benavides Panizo**  Mentor(s): **Dr. Weihong Lin,**  **Dr. Tatsuya Ogura** | | **“The Effects of Chemical and Physical Irritants on Olfactory Sensory Neuron Death in Mice”**  ***Biological Sciences*** |
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| Student(s): **Matthew Cook, Jessica Black, Cameron Riddell, Sara Mast**  Mentor(s): **Dr. Raimi Quiton** | | **“An Unexpected Relationship between Pain Catastrophizing and Pain Modulation in Young Adults”**  ***Psychology*** |
| Student(s): **Joelle Cusic,**  **Andrew Butler**  Mentor(s): **Dr. Richard Karpel** | | **“Study of Binding Activity of Crotamine-Au Nanoparticles with DNA”**  ***Biochemistry and Molecular Biology*** |
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| Student(s): **Elise Donkor**  Mentor(s): **Dr. Tinoosh Mohsenin** | | **“Heart Monitoring System for Personalized Arrhythmia Detection”**  ***Computer Science and Electrical Engineering*** |
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| Student(s): **Amelia Hallworth**  Mentor(s): **Dr. Hua Lu** | | **“Investigating the Role of PRR5, PRR7, and PRR9 in Regulating Plant Immunity”**  ***Biological Sciences*** |
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| Student(s): **Jonathan Luckin**  Mentor(s): **Dr. Markos Georganopoulos** | | **“Understanding the Mysterious Energy Content of the Lobes of Radio Galaxies through Numerical Simulations”**  ***Physics*** |
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| Student(s): **Anna Opoku-Agyeman**  Mentor(s): **Dr. Gunes Koru,**  **Mr. Dari Alhuwail** | | **“The Role of Cultural Competency and Health Information Technology Adoption in Quality Home Care”**  ***Biological Sciences*** |
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| Student(s): **Amirreza Saharkhiz**  Mentor(s): **Dr. Liang Zhu** | | **“Evaluating Accuracy of the Algorithm/Formula Used in Store-brand Digital Thermometers to Predict Body Temperature”**  ***Mechanical Engineering*** |
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| Student(s): **Rima Sakhawala**  Mentor(s): **Dr. Stephen Miller** | | **“Investigating RLS1 Protein Localization and the Evolutionary Origins of Cellular Differentiation”**  ***Biological Sciences*** |
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| Student(s): **Justin Taylor, Aakash Bajpai, Matthew Bleakney, Nicholas Rabuck**  Mentor(s): **Dr. Panos Charalambides** | | **“Assisting the City of Baltimore in Maintaining and Upgrading its Aging Water Distribution Network”**  ***Mechanical Engineering*** |
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| Student(s): **Nicholay Topin**  Mentor(s): **Dr. Marie desJardins** | | **“Value Function Approximation Mapping Creation for Knowledge Transfer”**  ***Computer Science and Electrical Engineering*** |
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| Student(s): **Joel Tyson**  Mentor(s): **Dr. Gymama Slaughter** | | **“Biocompatibility of a Self-Powered Glucose Biosensing System”**  ***Chemical, Biochemical, and Environmental Engineering*** |