Summer Undergraduate Research Symposium - Wednesday, July 20, Jordan Hall of Science Galleria

Poster Session 2: 10:45-11:45 a.m.

Poster #	Presenter Name	Project Title	Faculty Advisor / Department
1-2	Julia Gattozzi	Amphiphilic Gold Nanoparticles Enable Sustained Delivery and Increased Bioactivity of Hydrophobic Chemotherapeutics for the Treatment of Leishmaniasis	Ryan Roeder, AME; Mary Ann McDowell, Biology
2-2	Nathaniel Hiott	Lead-Halide Colloidal 2D Perovskites for Improved Light-Harvesting Applications	Prashant Kamat, Chemistry and Biochemistry
3-2	Sarah Leddy Makaya Robinson	Copper-Mediated Trifluoromethylation of Alcohols and Amines	Elsa Hinds, Chemistry
4-2	Juan Aguilar Lopez	Synthesis Process and Variation of Triptycene Structures for Membrane-Assisted Gas Separation of H2/CO2 at High Temperatures	Ruilan Guo, CBE
5-2	Natalia Luna Molly Mullett	Belief Evolution Over Time in Social Networks	Pushpi Paranamana, Math and Computer Science
6-2	Sarah MacLachlan Zhipu Zhao	Fostering Engagement and Interest in Data Science: Project-Based Learning for High School Students	Alison Cheng, Psychology
7-2	Brandon Mammano	De-Risking: The Key to Commercializing a New Medical Technology	Benjamin Hoggan, IDEA Center
8-2	Laura Manukyan	Organometallic Functionalization of ZnO Nanocrystals	Emily Tsui, Chemistry and Biochemistry
9-2	Yerika Marquez	Faculty Diversity: The Importance of Increasing Faculty Diversity and the Barriers to Achieving It	Steven Alvarado, Sociology
10-2	José Martínez Alvarado	Identification of New Organ Size Regulators: Positive Feedback Between the G-protein Coupled Receptor Methuselah like-8 and Gαq	Jeremiah Zartman, CBE
11-2	Mykayla Miller	Aging Increases Malignant Peritoneal Mesothelioma Metastasis	Tyvette Hilliard, Chemistry and Biochemistry
12-2	Madeline Pooler	Implementation of Measurements from Spectrum Characterization and Occupancy Sensing on a RadioHound Node	J. Nicholas Laneman, Electrical Engineering
13-2	Salmady Ramos	PAMAM Dendrimer Synthesis for Nanoscale Glucose-Responsive Assemblies	Matthew Webber, CBE
14-2	Yamilet Rivera	Charged Membrane Functionalization for Mixed-Ion Solution Separations	William Phillip, CBE
15-2	Gabriela Roman	Investigating the Degradation of Uranyl Peroxide Clusters under Ionizing Radiation & New Perspectives of Uranyl Peroxide Synthesis in Ionic Liquids	Peter Burns, CEEES
16-2	Theresa Salazar	An Analysis of the Effects of Protein Kinase CK2 on Microtubule Machinery in the Cell	Holly Goodson, Chemistry and Biochemistry
17-2	Mya Salinas	Race, Rights, and Great Power Politics: A Case Study on U.S. Criticism of China's Treatment of the Uyghur People	Zoltán I. Búzás, Global Affairs
18-2	Yan Saltar	Sustainable Aviation Fuel: Progress, Challenges and Opportunities	Alexander Dowling, CBE
19-2	Bennett Schmitt	Electrochemical Analysis of Hybrid Bronzes	Adam Jaffe, Chemistry and Biochemistry
20-2	Conor Sheehan	(Title TBD)	Prakash Nallathamby, AME
21-2	Jiaqi Shen	Ferroelectric Random Access Memory: Electron Beam Lithography, Process Development, Mask Design, and Characterization	Alan Seabaugh, Electrical Engineering
22-2	Scout Steinhiser	A Tale of Two Scents: Scent Preferences of Naïve and Experienced Pollinators	Cassie Majetic, Environmental Studies and Biology
23-2	Jeremy Stevens	Computation Modeling for Homomorphic Encryption in Privacy-preserving Vehicular Network	Ningyuan Cao, Electrical Engineering
24-2	Edwin Velez	Molecular Simulation To Enable the Recycling of Hydrofluorocarbon Refrigerants	Edward Maginn, CBE
25-2	Austin Wyman	Explicating the Domain- and Facet-Level Associations of Stigma Attitudes	David Watson, Psychology

AME = Aerospace and Mechanical Engineering **CBE** = Chemical and Biomolecular Engineering **CEEES** = Civil and Environmental Engineering and Earth Sciences