

Poster Session 1

Session	Name	Abstract Title	Faculty Mentor(s)
P1	Beitle, Nicole	Isoxazole ring-opening by transfer hydrogenation	Dr. Allen Schoffstall
P1	Benavidez, Marissa	Investigation of the role of ARI26162 in fertility and the formation and persistence of the insemination reaction in <i>Drosophila arizonae</i>	Jeremy Bono
P1	Bhatia, Advita	Amyloid Beta and Curcumin Interactions With an Anionic Lipid Membrane	Dr. Crystal Vander Zanden
P1	Bondarchuk, Natalie	Apple CRISPR-Cas9: A Recipe for Successful Targeting of AGAMOUS-like Genes in Domestic Apple	Dr. Amy Klocko
P1	Clark, Emma	Growth and Detection of Beneficial Oral Microbes as an Indicator for Mental Health	Jordan Steel
P1	Cosgrove, Jordan	Surface Microhydrology Drives Self-Organized Vegetation Patterning in Semiarid Grasslands	Miro Kummel
P1	Courtney, Margaret	Economic Implications of Abortion Access	Douglass McKechnie
P1	Croghan, Moira	The Backyard Threat: Drugs, Money, and International Cooperation in the Future of American Relations	Lt Col Ford
P1	Cruz, Brenda	Physiological Regulation in Toddlers: Adverse Events and Autonomic Activation	Kristen L. Rudd
P1	Datcu, Violet	Well-being of Undergraduates Based on Financial Aid Status	Kristi Erdal
P1	DeLeonardis, Lauren	Coastal Erosion in the Florida Keys	Eric Billmeyer; James Baginski
P1	Eastman, Blake	Measurement of the Stark Effect in the 3s23p2 3P1 → 3s23p14s1 3P0 Transition of Silicon	Alina Gearba, Jerry Sell, Randy Knize
P1	Forst, Azahra	Investigation of the functional significance of ARI00758 on reproductive outcomes in <i>Drosophila arizonae</i>	Jeremy M. Bono
P1	Garcia, Brisa	Comparative Analysis of Silphium integrifolium Extraction Techniques for the Isolation of Oil for the Formulation of Skin Cream and Soap	Murphy Brasuel
P1	Gatchall, Allyson	An analysis of criminal networks in the Brazilian Amazon and how they're aiding in the acceleration of climate change	Dr. Ismênia Sales de Souza

P1	Gerash, William	Use of Flow Microscopy as a Screen for Liquid-Liquid Phase Separation in Steroid Receptors	Margaret A. Daugherty and David L. Bain
P1	Gordon, Emily	Quantifying the Amplification Factor of Silver Nanoparticles for Surface-Enhanced Raman Scattering (SERS) of DNA	Dr. Murphy Brasuel
P1	Grover, Hannah	The Effect of Substrate Particle Size on Compressive Strength of Biocement Bricks	Nikolas Schwendeman, Melanie Grogger, Victoria Morrison, J. Jordan Steel
P1	Guiler, Caroline	Investigation of HVAC Component Degradation	Lt Col Tim Frank, Dr. Justin White, Lt Col Josh Aldred, Maj Marcus Catchpole
P1	Haas, Max	Bridging the Americas: A Comprehensive Analysis of Brazil-US Relations	Ismênia de Souza
P1	Halasi-Kun, Abby	Whoppshe! Spectroscopy Integration into the USAFA 1-m Telescope System	Lt Col Benjamin Roth
P1	Harrison, Peter GROUP	Gambling and its Effectiveness on Historical Preservation in Cripple Creek, Colorado	James Baginski
P1	Hecht, Patrick	Coevolution of kinetochore protein Cbf2 and budding yeast centromeres	Mai Nguyen, Tia Peterson, Jennifer F Garcia, Sara J Hanson
P1	Huete, Giovanni	The Desire for Immortality in the Prosthetics of Media Technology	Dr. Paul Macdonald
P1	Hughes, Nikodemus	Predicting Effects of External Electric Fields using Gradient Path Curvatures	Dr. Amanda Morgenstern
P1	Kaddar, Farh	Heterochromatic histone deacetylase loss alters genome organization, histone acetylation, and facultative heterochromatin in Neurospora	Andrew D. Klocko
P1	Mandyam, Maya	Deep Turbulence Sensing and Correction Using Digital Holography	Casey Pellizzari, Tyler Hardy
P1	Matlock, Luke	Addressing spatial autocorrelation in analyses relating environmental variables to undocumented immigrant mortality sites on the USA-MEX border	Dr. Justin White, Dr. Steve Radil, Dr. Collin Philipps
P1	Maurer, John	The Impact of Construction Material on Levee Durability: A Centrifuge Model Study	Lt Col Vincent Bongioanni
P1	McLane, Elisabeth	Choosing Help Leads to Better Help: The role of active learning in help-seeking during a memory integration task	Dr. Diana Selmeczy
P1	Moyer, Caleb	Informant Reports and Executive Function: Diagnosis of Neurocognitive Disorders	Dr. Rachel Thayer, Dr. Kelli Klebe

P1	Murray, Hannah	Massasoit and Metacom: Different Approaches to the Puritan Problem	Barbara Headle
P1	Pieretti, Luca	Assessing the Equine Guided Learning and Healing Experience: A Self-Determination Theory Perspective	Jason Weaver
P1	Potts, Carter	Advancements in Photoacoustic Communication	Maj Francesco Echeverria
P1	Poveda Morales, Hadit	San Basilio de Palenque: The Fluidity of Marronage	Angela Castro
P1	Ratzlaff, Isabella	Gold-Catalyzed Three-Component Reaction Cascade for the Synthesis of Imidazoles	Timm Knoerzer
P1	Redmon, Hunter	Zip it!: What Aspects Affect DNA Base Pair Binding	Amanda Morgenstern
P1	Rouse, Adam	Arctic Oscillation Index and Volcanic Plume Dispersion	Col Hsien-Liang Tseng, Major Louis Cascino, SMSgt Nathaniel George
P1	Ruiz, Alexander	Sonication for Rate Enhancement of a Cycloaddition Reaction	Allen M. Schoffstall
P1	Sanchez, Sandra	Optimal Growth Conditions and Stability of Lactobacillus crispatus on Medical Gauze for Potential Applications of Vaginal Seeding Following C-Section	Dr. James Steel
P1	Seymour, Annie	The Experiences of Substance Free Students in College and Suggestions for Future Resources	Kristi Erdal
P1	Shamess, Miriam	Preschoolers' Early Utilization of Value-Based Selectivity: Considering Factors of Feedback and Age	Diana Selmeczy
P1	Smith, Daniel	Precision Measurement of the DC Stark Shift of the $5S_{1/2}$ to $6S_{1/2}$ Transition of Rb	Dr. Rajani Ayachitula; Dr. Mark Lindsay
p1	Stiffler, Mikhail GROUP	Triplet-Triplet Annihilation in Gold(I) Conjugated Molecules	Dr. Kimberly Dr La Harpe, Col Ethan Ho
P1	Trent, Camden	Understanding Molecular Interactions of a Novel Lupus Therapeutic Treatment	Dr. James Kovacs
P1	Weir, Lyndsay GROUP	The Impact os Microplastic Pollution on Oceans by the Cruise Industry	James Baginski
P1	Wilke, Michelle	A Principal Components Analysis of the Neurocognitive Scale of the Coolidge Axis II Inventory	Fred Coolidge
P1	Winograd, Lindsey	Screening Novel Polyfluorinated Compounds for Cytotoxicity on Cultured Cells	J. Jordan Steel
P1	Yeganeh Fathi, Fargol	Digital Media Consumption Relationship with Qeirat in Iran	Marcela Fernandez-peters, Mohammad Atari

