



Research Week 2026 Poster Showcase

Thursday, April 16, 2026



Session I: 1:00 pm – 1:50 pm

#	Presenter	Category	School	Abstract Title
1-ACS	Blain Michael	Undergraduate Student	School of Social Sciences and Humanities	Isotopic Analysis of Keratinous from the Chincha Valley: Late Life Diet at Casa Grande circa 1200 - 1650
2-ACS	Aida Hassani	Undergraduate Student	School of Social Sciences and Humanities	Perceived barriers to mental health services among diverse, rural college students
3-ACS	Marissa Maline	Graduate Student	School of Social Sciences and Humanities	Socioeconomic Status and Gender Disparities in Prescription Opioid Misuse: Evidence from the 2024 NSDUH
4-ACS	Emily Solorio	Undergraduate Student	School of Natural Sciences	Differences in Soil Chemical and Physical Properties Between Managed and Unmanaged Agricultural Lands
5-ACS	Arianna Daniel	Graduate Student	School of Natural Sciences	Structure-based Virtual Screening Reveals Novel Anti-fungal Compounds
6-ACS	Samia I Liba	Graduate Student	School of Natural Sciences	An aqueous method to form nanoparticle lattices in tactoidal condensates via DNA hybridization
7-ACS	Diane-Marie Brache-Smith	Graduate Student	School of Natural Sciences	Cultivating Solutions: Targeted Isolation and Characterization of <i>Z.marina</i> associated to support seagrass growth
8-ACS	Nicolle Valite	Undergraduate Student	School of Natural Sciences	Surface Plasmon Resonance in Gold Thin Films
9-ACS	Miriam Pena	Undergraduate Student	School of Natural Sciences	Towards nano-diamond levitation
10-ACS	Andree Souder	Graduate Student	School of Natural Sciences	Investigating the structural and functional effects of temperature change within the CMGC and related families
11-SRE	Brenna Birnbaum	Undergraduate Student	School of Engineering	Pathogenic DNA detection mechanisms of immune sensor proteins revealed by single-molecule techniques
12-SRE	Joshua Thomas	Undergraduate Student	School of Engineering	The DNA sensor IFI16 β inhibits the AIM2 inflammasome via DNA competition
13-SRE	Xiaofan Yu	Research Group	School of Engineering	Low-Power Wearable Muscle Stiffness Sensing with On-Device TinyML
14-SRE	Anvi Kudaraya	Undergraduate Student	School of Engineering	Advancing Multi-Arm Robotic Apple Harvesting through 3D Perception and Intelligent Planning
15-SRE	Moses Akinwale	Graduate Student	Other unit	Programmable DNA Origami Scaffolds For 3D Assembly of Quantum Dot Nano-clusters
16-SRE	Maritza Gaytan	Research Group	Health Sciences Research Institute	THRIVE: Faculty Success and Support
17-SRE	Gunreet Mahil	Undergraduate Student	Health Sciences Research Institute	How Digital Health Literacy Shapes Telehealth Openness in the San Joaquin Valley
18-SRE	Peter Nguyen	Undergraduate Student	Health Sciences Research Institute	Engineering <i>Coccidioides posadasii</i> with Red Fluorescent Protein via CRISPR-Cas9 for Enhanced In Vivo Imaging and Model Development
19-SRE	Scarlett Pears	Undergraduate Student	Health Sciences Research Institute	Correlation between Dimensions of Cultural Concordance and Patient-Provider Trust in the San Joaquin Valley
20-SRE	Jasnoor Bains	Research Group	Health Sciences Research Institute	Health Literacy and Patient Awareness of Chronic Health Diseases in the San Joaquin Valley

Session II: 2:00 pm – 2:50 pm

#	Presenter	Category	School	Abstract Title
1-ACS	Alexander Truong	Undergraduate Student	School of Natural Sciences	Tat and other arginine-rich peptides attenuate neuronal activity induced signaling and gene transcription via extracellular multivalent interactions with NMDA receptors
2-ACS	Ondre Chester	Undergraduate Student	School of Engineering	Advancing 2D Material Synthesis: MoS ₂ Growth Initiatives via Chemical Vapor Deposition
3-ACS	Chloe Marinerstein	Undergraduate Student	School of Natural Sciences	Pollination Timing of Male and Female <i>Andrena</i> on <i>Limnanthes douglasii</i> (ssp. <i>rosea</i>)
4-ACS	Megan Kerby	Undergraduate Student	School of Natural Sciences	Carbon and Nitrogen Isotope Variation in Managed vs. Unmanaged Grasslands
5-ACS	Andrea Palafox	Undergraduate Student	School of Natural Sciences	Type 1 IFN Signaling Contributes to the Regulation of Neutrophil Extracellular Traps in <i>Aspergillus fumigatus</i> Infection
6-ACS	James Stivers	Undergraduate Student	School of Natural Sciences	Effectiveness of Pyraclostrobin on <i>Aspergillus fumigatus</i>
7-ACS	Asmitha Mekala	Graduate Student	School of Natural Sciences	Study of structural and optical properties of metal halide perovskites through nanoscale interactions
8-ACS	Yujie Huang	Graduate Student	School of Natural Sciences	Mechanistic Insights to Electron Spin Control-Mediated Suppression of Charge Carrier Recombination in Photoanodes
9-ACS	Sammie Bulaon	Undergraduate Student	School of Natural Sciences	Trophic Ecology of Bull Shark, Gafftopsail catfish, and Hardhead catfish in Crystal River, Florida
10-ACS	Angela Robles	Graduate Student	School of Engineering	Aphid Biological Control in Community Gardens
11-SRE	Brody Spellman	Research Group	School of Engineering	Humility Performance of Solid Lubricants
12-SRE	Mariana Peralta Ocampo	Undergraduate Student	School of Engineering	Effect of Temperature on MoS ₂ Growth by Chemical Vapor Deposition
13-SRE	Miranda Bada	Undergraduate Student	School of Engineering	In Vitro Generation of Tip-Specific Endothelial Cells
14-SRE	Nirvan Mehra	Undergraduate Student	School of Engineering	Inducing Tip-specific Endothelial Cells from Mouse Embryonic Stem Cells
15-SRE	Hassan Jafari Mosleh	Graduate Student	School of Engineering	Characterization of liquid metal anode for ultra brightness in micro-CT x-ray generation
16-SRE	Colle Johnson	Undergraduate Student	Other unit	The impact of trails and roads on the fungal pathogens of Pringle manzanita (<i>Arctostaphylos pringlei</i>)
17-SRE	David Gravano	Staff	Health Sciences Research Institute	Microplastic Uptake Preferences by Macrophages and the Downstream Consequences
18-SRE	Manav Gulia	Undergraduate Student	Health Sciences Research Institute	A Flow Cytometry Analysis Strategy for the Ratiometric Differentiation of Microplastics through Multiplex Staining
19-SRE	Christopher Chiang	Undergraduate Student	Health Sciences Research Institute	The Influence of Social Determinants of Health On Patient-Provider Trust and Patient Comfort In Sharing Social Needs

Session III: 3:00 pm – 3:50 pm

#	Presenter	Category	School	Abstract Title
1-ACS	Linda Cameron	Faculty	School of Social Sciences and Humanities	Adverse Childhood Experiences, Social Anxiety, and Academic Stress: The Mediation Roles of Emotion Regulation Styles
2-ACS	Aleksandr Kuzmin	Undergraduate Student	School of Social Sciences and Humanities	Undergraduate Anthropological Research In the Peruvian Amazon
3-ACS	Tony Hua	Graduate Student	School of Social Sciences and Humanities	The Social Value of Diversity: Cognitive Externalities in Collective Reasoning
4-ACS	Madisyn Seed	Undergraduate Student	School of Natural Sciences	Investigating Mucin-Responsive Putative Orthologs Across Fungal Pathogens Using Computational Approaches
5-ACS	Luz Perez Macias	Undergraduate Student	School of Natural Sciences	Impact of No-Till Management on Soil pH and Methane Dynamics: A comparison of Farmland vs. Protected Grassland
6-ACS	Ray Woodyard	Undergraduate Student	School of Natural Sciences	Histological analysis of clinical <i>Coccidioides</i> isolates reveal induced pro-inflammatory and anti-inflammatory host responses
7-ACS	Diana Cervantes	Undergraduate Student	School of Natural Sciences	Type IFN Signaling Contributes to the Regulation of Damage in <i>Aspergillus fumigatus</i> Infection
8-ACS	Avneet Brar	Undergraduate Student	School of Natural Sciences	Black Soldier Fly Genetics and Gut Microbiome
9-ACS	Bruce Barrios	Graduate Student	School of Natural Sciences	Optical Activation of Rare-Earth Ions in Salt-Assisted CVD-Grown Molybdenum Disulfide: Hybrid Excitonic and f-Shell Emission in Engineered 2D Materials
10-ACS	Jazmin Magana-Alvarez	Undergraduate Student	School of Natural Sciences	RNAi Disruption of Planarian Polarity: Effects on Regeneration and <i>Candida</i> Infection Recovery
11-SRE	Kacie Ng	Undergraduate Student	School of Natural Sciences	Engineering Monomeric XCL1 to Enhance Binding with the Viral CC Chemokine Inhibitor (vCCI)
12-SRE	Aizen Baidya	Undergraduate Student	School of Engineering	Teach2Learn: Assessing the Learning among CS1 Students on How Well They Can Teach LLM-Simulated Students
13-SRE	Khin May May Lwin	Undergraduate Student	School of Engineering	Modeling Angiogenesis in a 3D Assay With Growth Factors and Cancer
14-SRE	Isaias Teran	Graduate Student	School of Engineering	The Potential Role of Biochar in the Circular Bioeconomy
15-SRE	Sriranga Nadadur	Undergraduate Student	School of Engineering	Investigating the Role of Integrin-Beta 4 and Beta 5 in Cardiogenesis
16-SRE	Andrew Grishko	Undergraduate Student	School of Engineering	Atomic-Resolution Imaging of WC/Graphene Heterostructures— Defects and Moiré Patterns
17-SRE	Yaoyun Zhou	Graduate Student	School of Engineering	MARS: A General Gpu Optimization Framework for Merkle-tree-enabled Cryptography
18-SRE	Paulo Bessa do Rego Monteiro	Graduate Student	School of Engineering	Fairness-aware management of electric vehicles charging stations
19-SRE	Stefan Gilbert-O'Neil	Undergraduate Student	School of Engineering	Determining the Relationship Between Stiffness and Poisson's Ratio in Polymeric Materials
20-SRE	Ronald Truong	Undergraduate Student	School of Natural Sciences	Synthesis and Characterization of Reversible CO ₂ Capture Agents
21-SRE	Areesha Tariq	Undergraduate Student	School of Natural Sciences	Engineering DNA Liquid Crystals for Rhythmic Control by a Reconstituted Circadian Clock