

# uSOAR



Undergraduate Symposium of Academic Research

## POSTER SESSION | FRIDAY, APRIL 25, 2025

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Poster #	Presenter Name(s)	Poster Title
1	Alexandre Mascari Dumont	The Science of Separation: Unpacking the Gas Chromatograph
2	Alex Eberhard	From Imperialism to Diaspora: Untangling U.S. Influence and Marcos' Legacy on Driving Migration
3	Amapola Garcia, Ashley Gutierrez Carreto, Dasha Baitazarova, & Luis Prado	Bridging the Gap: Investigating Health Care Access Disparities and Their Impact on Chronic Disease Management in California
4	Andrea Anderson	Investigating The Antibiotic Properties of Symbionts Associated with Selected Algae from The Northern Coast of California
5	Ariana Cerna & Aaron Torres Mendoza	4D Printing Research: Using Polylactic Acid (PLA) and Thermoplastic Polyurethane (TPU)
6	Aryanna Mendoza	MUX Waveform Injection Test
7	Bjorn Bjornsen	Human Infections and Respiratory Issues in the North and South American Continents Following Hydrological Disasters
8	Brianna Xu	The Integration of Traditional Chinese Medicine into the Search for New Antibiotics
9	Chevy Wong	Why does the meaning of “Orge” change so much socially and culturally?

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10	Daria Baitazarova	<b>Visualizing Sensors Using Node-RED Dashboard and Documenting with GitHub Wiki</b>
11	Deniz Scarpace & Choon Loo	<b>Herbarium Specimen Restoration and Development</b>
12	Emmanuel Fernandez & Rumisa Irshad	<b>Determining the efficacy of calamansi in regulating Staphylococcus epidermidis growth</b>
13	Eugena Siu	<b>Obesity-Shaped by Cultural Differences</b>
14	Iqra Chughtai & Jaded Rodriguez	<b>Purifying Proteins with AKTA Pure: Efficiency, Accuracy, Innovation</b>
15	Isaac Pailano	<b>Fukushima Natural Disaster</b>
16	Jason Mead	<b>The Engine of Biotechnology</b>
17	Jia Haria, William Phyo, Nicole Smith, Mariela Ochoa, Christian Dizon, Brandon Khuu, Jasmin Khuu, Jake Szeto, Yuting Duan, & Eddy Htut	<b>Power of Stories - Importance of Counterstories in breaking stereotypes</b>
18	Jiaxuan Qiao	<b>Kinetic Isotope Effects and Reaction Mechanisms</b>
19	Jiselle Pantig-Velasco	<b>Zirconia used for Dental Restoration Success</b>
20	Juliet Fong & Saoirse Price Sagastume	<b>Prickly Pear Seeds vs. Flesh</b>

# uSOAR



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21	Katherine Kyi	<b>Advanced Media Dispensing Introducing the Media Fill Automatic Pourer</b>
22	Kimberly Cabrigas & Henry Huynh	<b>Initial Characterization and Delivery of the Addgene Chromoprotein Kit</b>
23	Lise Kolin	<b>Assessing Bacteriophage Transfection Potential of Cryopreserved and Fresh Arthrobacter Globiformis</b>
24	Luis Jibaja Prado	<b>Forecasting Weekly Gasoline Prices in California Using LSTM Neural Networks: Balancing Model Complexity and Generalization</b>
25	Mbalenhle Mahlangu	<b>The Hidden Cost of Poverty: Socioeconomic Status and Early Childhood Neuroplasticity</b>
26	Muyao Du	<b>The Role of Educational Economics in Economic Growth</b>
27	Olena	<b>Precision in Every Drop: Ensuring Accuracy with Artel Units</b>
28	Roco Oblea	<b>Marijuana on Neurological Disorders and Diseases</b>
29	Sarah Keller	<b>How I Found the Perfect Pink! *My perfect pink!</b>
30	Shwe Tae	<b>Fentanyl Overdose Prevention: Naloxone and Test Strips Efficacy</b>
31	Spill the Socie-Tea (Poe Chan Myayt, Zishan Li, Claire Liu, Jillian Lampaya, Qian Zhao)	<b>How household income shapes food insecurity from 2010-2019</b>

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32	Thant Zayar Htut	<b>Effects of Aerodynamic Drag on Moving Bodies of Multiple Variables Through Conservation of Energy</b>
33	Xin Yue Wu	<b>Statistical Modeling of Plastic Degradation Rates in Marine Ecosystems</b>
34	Yuting Duan(nEXO)	<b>Observing Cosmic Rays: Design and Implementation a Peltier Cooler-Based Cloud Chamber</b>
35	Zachary Fung	<b>Quercetin role in Streptococcus</b>