



SUMMER UNDERGRADUATE RESEARCH PROGRAM | 2025

Cal Poly CAFES Summer Undergraduate Research Program Poster Session

August 28, 2025 - 3:00-5:00pm

Even Numbers to present from 3:00 - 4:00pm

Odd Numbers to present from 4:00 - 5:00pm

Poster	Presenter and Topic	Sponsored By	Dept.
1	Alecsander Ceja , along with Dr. Lilli Kaarakka, " <i>Simulation of Forest Management for Carbon and Fuels in a Post-fire Redwood Stand</i> "	CAFES Dean's Office	NRES
2	Alexandra Malone , along with Dr. Christiane Schroeter, " <i>Vandra & the Cal Poly Startup Journey: Mapping the Entrepreneurial Experience for Student led CPG Ventures</i> "	CAFES Dean's Office	AGB
3	Amanda Tharp , along with Dr. Federico Casassa, "Chemical and Sensory Impacts of Temperature and Light Exposure During the Aging of Two Contrasting White Wine Styles"	CAFES Dean's Office	WVIT
4	Amelia Bettencourt , along with Dr. Lucy McGowan, " <i>Context Matters: Adapting Entrepreneurial Education for Rural Communities</i> "	CAFES Dean's Office	AGB
5	Amelia Iseley , along with Dr. Pei Zhang, " <i>AI Autonomy and Employee Stress in Hotel Front Desk Operations: A Pilot Study</i> "	CAFES Dean's Office	EIM
6	Anayelli Chavez-Hernandez , along with Dr. Sean Hurley, " <i>Cultivating Innovation: Agriculture Lenders' Perspectives on Artificial Intelligence</i> "	Farm Credit West	AGB
7	Andrea Garcia , along with Dr. Shunping Ding, " <i>Preliminary Findings on Fungicide and Nematicide Efficacy Against Tomato Fusarium Wilt</i> "	Sorensen Foundation	WVIT
8	Annalee Haim , along with Dr. David Vagnoni, " <i>Evaluation of the Serum Albumin: Globulin Ratio as an Index of Inflammation in Dairy Cows</i> "	CAFES Dean's Office	ASCI
9	Aspen Chang , along with Dr. Miguel Pedroza, " <i>Sensory Acceptance of Mediterranean Varietal Wines from the Central Coast of California</i> "	CAFES Dean's Office	WVIT
10	Audrey Snider , along with Dr. Yiwen Chiu, " <i>Engineering Methods for Grassland Carbon Sequestration in California: A Literature Review</i> "	Gilead	NRES
11	Ava Curtis , along with Dr. Charlotte Decock, " <i>Does a Liquid Sidedress Improve Nitrogen Mineralization of Preplant Organic Fertilizer Pellets?</i> "	Clif	NRES
12	Erin Kennedy , along with Dr. Yamina Pressler, " <i>Carbon Sequestration Potential of Nature-based Management Practices in California Rangeland Soils</i> "	Gilead	NRES
13	Avery Aguero , along with Dr. Kari Pilolla, " <i>Effects of Wild Blueberry Supplementation on 10km Race Performance</i> "	CAFES Dean's Office	FSN
14	Ben Ingram-Eiser , along with Dr. Scott Steinmaus, " <i>Physiological Responses of Native and Non-native Grass Seeds to Common Fire Retardants</i> "	CAFES Dean's Office	ASCI
15	Brady Kerr , along with Dr. Yamina Pressler, " <i>Assessing Texture, Soil Electrical Conductivity, and pH Methods to Inform Restoration in California Grasslands</i> "	Clif	NRES
16	Caroline Kargenian , along with Dr. Mohammad Abo-Ismael, " <i>Genome Wide Association and Metabolic Analyses for Ketosis in Dairy Cattle</i> "	CAFES Dean's Office	ASCI
17	Charlie Cancellieri , along with Dr. Lucy McGowan, " <i>Growing Preferences: How Consumers Perceive Vertically Grown vs Traditionally Farmed Produce in a Choice Based Conjoint Study</i> "	Clif	AGB
18	CJ MacLaughlin , along with Dr. Ashley Grupenhoff, " <i>Prescribed Fire and Crushing Effects on Chaparral Fuel Dynamics</i> "	CAFES Dean's Office	NRES
19	Daniel Benitez Saucedo , along with Dr. Stewart Wilson, " <i>The Effects of Fire on Carbon Dynamics in Grassland Soils</i> "	CAFES Dean's Office	NRES
20	Dylan Singer , along with Dr. Bwalya Malama, " <i>Observations of Transient Stream Drawdown Due to Groundwater Pumping in a California Central Coast Aquifer</i> "	Gilead	NRES
21	Elizabeth Haas , along with Dr. Siroj Pokharel, " <i>The Effects of Feeding Sodium Alginate and Lactobacillus bulgaricus on Broilers' Growth Performance & Organ Development</i> "	CAFES Dean's Office	ASCI
22	Fisher Gibbs , along with Dr. Marc Horney, " <i>Quantifying Grassland Biomass Through Airborne LiDAR Surveys</i> "	Clif	ASCI
23	Gabrielle Sands , along with Dr. Greg Schwartz, " <i>Enhancing Water Quality Through Denitrification in a Recirculating Aquaculture System (RAS)</i> "	Clif	BRAE
24	Hailey Groff , along with Dr. Luis Castro, " <i>The Effect of Maceration on the Chemical Properties of Apple Juice for Cider Making</i> "	CAFES Dean's Office	FSN
25	Isabela Yanakieva , along with Dr. Fernando Campos Chillon, " <i>Isosmotic Warming of Vitriified In Vitro-Produced Bovine Embryos: A Biological Challenge</i> "	Sorensen Foundation	ASCI

26	Jacqueline Lee , along with Dr. Zach McFarlane, "Characterization of the Angus Beef Bull Reproductive Microbiome "	Sorensen Foundation	ASCI
27	James Armstrong , along with Dr. Samir Amin, "24Karrot Limit: How Much Carrot Pomace Can a Patty Take?"	CAFES Dean's Office	FSN
28	JT Villalobos , along with Dr. Sean Hurley, "Beneath California's Fields: Linking Well Depth, Groundwater, and Crop Choices "	Farm Credit West	AGB
29	Kaela Higgins , along with Dr. Shashika Hewavithrana, "Does Colletotrichum gloeosporioides Cause Disease on Strawberry?"	Sorensen Foundation	PLSC
30	Kaileen Grace , along with Dr. Mohammed Abo-Ismael, "Metabolomic Analysis of Fertility Traits in Transitioning Dairy Cows "	Sorensen Foundation	ASCI
31	Katie Duff , along with Dr. Yiwen Chiu, "Proposed Sustainability Monitoring Framework for Swanton Pacific Ranch "	Clif	NRES
32	Katie Ramirez , along with Dr. Susan Hawk, "Healthcare Access and Disparities Among Underrepresented College Students "	CAFES Dean's Office	FSN
33	Klara Kaupanger-Swacker , along with Dr. Bo Liu, "Table Grape Cluster and Cutting Point Determination using Deep Learning "	Clif	BRAE
34	Lauren Ropacki , along with Dr. Angelos Sikalidis, "Dietary Intake Analysis in California Central Coast Farmworkers "	CAFES Dean's Office	FSN
35	Luisa Catano , along with Dr. Stamatina Kotsakou, "Assessment of the Economic Effectiveness of Digital Marketing: An Extensive Literature Review "	CAFES Dean's Office	AGB
36	Mari Navarro , along with Dr. Lilli Kaarakka, "Applications of Hemispherical Photography for Forest Canopy Fuel Assessment "	CAFES Dean's Office	NRES
37	Marlaina Coury , along with Dr. Aleksandra Kristo, "Long-Term Dietary Assessment in California Farmworkers using Culturally Appropriate Food Frequency Questionnaires "	CAFES Dean's Office	FSN
38	Nora Palinkas and Elen Zhu , along with Dr. Ike Kang, "Effects of Red Water Recycling on Bacteria Populations in Red Water and Broiler Carcasses "	CAFES Dean's Office	ASCI
39	Oliver Chamberlin , along with Dr. Marc Horney, "Estimating Vegetation Biomass with LiDAR Drone Surveys "	Clif	ASCI
40	Olivia Bertilsson , along with Dr. Marni Goldenberg, "Assessing Land use, Managment Issues and Forest User Attitudes Within Jackson Demonstration State Forest " and "Examining High Impact Practices of Undergraduate Students Through the Pacific Crest Trail Research Study "	Gilead	EIM
41	Panos Papadeas , along with Dr. Ashraf Tubeileh, "Effects of Chili Pepper Extract and Trichoderma Harzianum on Romaine Lettuce"	Sorensen Foundation	PLSC
42	Rebecca Gechter , along with Dr. Amy Lammert, "Consumer Perceptions of Conventional vs Compostable Sustainable Food Packaging "	Clif	FSN
43	Rilee Morrison , along with Dr. Kari Pillola, "Effects of Wild Blueberry Supplementation on Substrate Metabolism "	CAFES Dean's Office	ASCI
44	Roberto Hernandez , along with Dr. Karen Vagnoni, "Factors Affecting Cytokine Concentration in Bull Seminal Fluid "	Sorensen Foundation	ASCI
45	Roxy Hudson , along with Dr. Anna Cahn, "The Effects of Dietary and Lifestyle Interventions on Cancer Risk in Wildland Firefighters "	CAFES Dean's Office	FSN
46	Ryan Graul , along with Dr. Aakash Ahamed, "Mapping Hydrologic and Ecological Impacts of the Palisades and Eaton Fires "	Gilead	NRES
47	Siduri Eaton , along with Dr. Stewart Wilson, "Impact of Fire Retardant on Ash Water-extractable Elements"	CAFES Dean's Office	NRES
48	Siena Burns , along with Dr. Siroj Pokharel, "Analysis of Fatty Acids in Blood Serum from Birds Fed Essential Oils and Prebiotics "	CAFES Dean's Office	ASCI
49	Sonia LeMonier , along with Dr. Charlotte Decock, "Assessing the Correlation Between Soil Health Indicators and Grower Perceived Outcomes "	Clif	NRES
50	Sophia Ermisch , along with Dr. Suraj Kar, "Grapevine Rootstocks under Drought Stress "	Sorensen Foundation	WVIT
51	Sophia Hernandez , along with Dr. Laura Backus, "Are Host Seeking Ticks a Source of Anaplasma for Cattle?"	Albani	ASCI
52	Sydney Korbey , along with Dr. Sandy Shen, "Evaluating Virtual Hotel Experiences for Promoting Sustainability: A Mixed-Methods Study "	CAFES Dean's Office	EIM
53	Tinley Price , along with Dr. Susan Hawk, "Exploring the Impact of Matcha on College Student's Well-Being: A Comparison with Coffee "	CAFES Dean's Office	FSN
54	Zoey Buchanan , along with Dr. Shannon Shoff, "Assessing Anemia in Piglets: A Two-Timepoint Comparison of Complete Blood Count and HemoCue® Methods "	CAFES Dean's Office	FSN
55	John Urrutia , along with Dr. Vidya Schalk, "Investigation of Flexible Bio-Based Filaments for 3D Printing Interlaced and Lattice Structures via Fused Filament Fabrication (FFF) "	HATCO	BRAE