

35th Annual CSU Systemwide Student Research Competition Award Winners

On April 30 and May 1, 2021, 197 student projects by 230 CSU Student Research Competition Delegates were showcased virtually at the 35th Annual CSU Student Research Competition (CSU SRC). Congratulations to all the Student Delegates who shared their scholarly work with the CSU Research Community!

We would like to acknowledge the faculty mentors, campus coordinators, judges, moderators, and student volunteers who participated this past weekend and helped to make the event a success. The award announcements for the CSU SRC are provided below.

First Place: \$500, cash prize
Second Place: \$250, cash prize

Session #	Finish	CSU Campus	Student Presenter(s)	Category	Academic Class	Title of Presentation
1	First	California Polytechnic State University, San Luis Obispo	Nathaniel Andre	Physical & Mathematical Sciences; Interdisciplinary (Mixed)	Undergraduate	Corn Futures Trading with Deep Learning and Satellite Imagery
1	Second	California State University, Los Angeles	George Percival	Physical & Mathematical Sciences; Interdisciplinary (Mixed)	Undergraduate	Coloring Distance Graphs
1	Second	San Diego State University	Angelica Bloomquist	Physical & Mathematical Sciences; Interdisciplinary (Mixed)	Graduate	Modeling the risk of SARS-CoV-2 transmission from environmental surfaces
2	First	Sonoma State University	Alex Dewey, Jonathan Calderon Chavez	Engineering & Computer Science (Mixed)	Undergraduate	Using Machine Learning to Measure Biodiversity from Sound Recordings
2	Second	California Polytechnic State University, San Luis Obispo	Vasanth Sadhasivan	Engineering & Computer Science (Mixed)	Undergraduate	PolyCrypto: A Polynomial-based Architecture for Post-Quantum Secure Cryptographic Schemes
3	First	Cal State East Bay	Andres Gonzalez	Humanities & Letters; Education (Mixed)	Graduate	Utilizing Reflexivity: Strategic Self-Disclosure and Insider Perspective in Qualitative Research with Transgender and Non-Binary People
3	Second	Cal State East Bay	Andrew Stanculescu	Humanities & Letters; Education (Mixed)	Undergraduate	Investigating the Effects of Visualization Media in the Classroom
4	First	Sonoma State University	Allison Northey	Biological & Agricultural Sciences (Graduate)	Graduate	Adrenal response to ACTH challenge varies with life-history stage and body reserves in molting adult female northern elephant seals (<i>Mirounga angustirostris</i>)
4	Second	California State University, Bakersfield	Misbah Chaudhry	Biological & Agricultural Sciences (Graduate)	Graduate	Exploring the biocontrol potential of <i>Streptomyces</i> isolates against <i>Pythium violae</i> , a dominant carrot pathogen
5	First	San Francisco State University	Keanu Andico	Health, Nutrition, and Clinical Sciences (Graduate)	Graduate	To Disclose or Not to Disclose Your Sexual Orientation? Implications for Lesbian, Gay, Bisexual, and Queer (LGBQ) Patient Experiences in Healthcare: A Systematic Review and Meta-Analysis
5	Second	California State University, Chico	Courtney Merrick	Health, Nutrition, and Clinical Sciences (Graduate)	Graduate	Cytokine Secretions in Partial Breast Tumor Microenvironment with and without Sulforaphane
6	First	California State Polytechnic University, Pomona	Justin Cortez	Physical and Mathematical Sciences (Mixed)	Graduate	Synthesis of Nickel Flouro-aromatic Complexes with Nickel Bidentate N-Heterocyclic Carbene Complexes
6	Second	California State University, Sacramento	Rashel Jacobo	Physical and Mathematical Sciences (Mixed)	Undergraduate	Synthesis of Glycopolymers for Anti-HIV Activity
7	First	California State University, Fullerton	Sierra Farquhar-Wulff	Creative Arts & Design (Mixed)	Graduate	Gender Discrimination in the Choral Conducting Profession
7	Second	California State University, Long Beach	Shenaya Yazdani	Session 7: Creative Arts & Design (Mixed)	Undergraduate	'Coming Home' Refugee Shelter Design

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8	First	California State University, Sacramento	Jennifer Krebsbach	Education (Mixed)	Graduate	Participation by Women in Behavior Analytic Journals
8	Second	San Francisco State University	Charles Beavis	Education (Mixed)	Graduate	Stakeholder Perspectives of Peer-Mediated Intervention in an Inclusive After School Program
9	First	California Polytechnic State University, San Luis Obispo	Dana Michels	Biological & Agricultural Sciences; Interdisciplinary (Graduate)	Graduate	Amino Acid Analog Induces Stress Response In Marine Synechococcus
9	First	Sonoma State University	Madeline Sanchez	Biological & Agricultural Sciences; Interdisciplinary (Graduate)	Graduate	Monitoring the salt marsh habitat use and foraging habits of the recovering southern sea otter (<i>Enhydra lutris nereis</i>) in a recolonized ecosystem.
10	First	San Jose State University	Muhammad Khan	Biological & Agricultural Sciences (Undergraduate)	Undergraduate	Mutagenesis and Recombinant Expression of <i>Aedes aegypti</i> Serine Protease I (AaSPI), a Possible N-Terminal Nucleophile (Ntn) Hydrolase
10	Second	California State University, Fullerton	Makar Makharian	Biological & Agricultural Sciences (Undergraduate)	Undergraduate	Microwave-assisted Synthesis and Kinetic Studies of Donepezil-based Acetylcholinesterase Inhibitors for the Treatment of Alzheimer's Disease
11	First	San Francisco State University	Charlie Vidal Sanchez	Engineering & Computer Science (Mixed)	Graduate	From the Health of Structures to that of its Occupants
11	First	California Polytechnic State University, San Luis Obispo	Andy Wu	Engineering & Computer Science (Mixed)	Undergraduate	Autonomous Instrument for Aircraft Acoustic Measurements
12	First	Cal State East Bay	Aerin Riegelsberger	Behavioral, Social Sciences, and Public Administration (Graduate)	Graduate	Putting The Ball In The Patient's Court: Gender Affirming Hormone Therapy In U.S. Family Planning Clinics
12	Second	San Diego State University	Natalie Buchbinder	Behavioral, Social Sciences, and Public Administration (Graduate)	Graduate	Missing a Shot at Health: Factors Influencing Influenza Vaccination Uptake in California
13	First	California Polytechnic State University, San Luis Obispo	Isabella Abelgas	Business, Economics, and Hospitality Management (Mixed)	Undergraduate	The Impact of Export Cash Crops on Developing Countries
13	First	California State University, San Bernardino	Edward Zakher	Business, Economics, and Hospitality Management (Mixed)	Undergraduate	To Leave Without Leaving
14	First	California State University, Dominguez Hills	Matthew Hernandez	Humanities & Letters (Undergraduate)	Undergraduate	"Please Don't Kill Me": Confronting Racist Violence in Contemporary Young Adult Literature
14	Second	Humboldt State University	Joan Esquibel	Humanities & Letters (Undergraduate)	Undergraduate	Best-Sellers: How our Concerns Translate into Modern Fiction
15	First	San Diego State University	Janie Collins	Humanities & Letters (Graduate)	Graduate	Boxers and Converts: Chinese Christian Agency and Silencing in the Boxer Uprising of 1900
15	Second	California State University, Stanislaus	Phoebe Roberts	Humanities & Letters (Graduate)	Graduate	Poison and Femininity on the Renaissance Stage
16	First	California Polytechnic State University, San Luis Obispo	Alyssa McCulloch	Health, Nutrition, and Clinical Sciences; Interdisciplinary (Mixed)	Undergraduate	Endothelialized Silicone Aneurysm Model for In Vitro Evaluation of Neurovascular Devices
16	Second	California State University, Long Beach	Diana Pham	Health, Nutrition, and Clinical Sciences; Interdisciplinary (Mixed)	Undergraduate	Periadolescent Rats Exhibit Preference for Ethanol Under a Fixed, but Not an Ascending Dosing Pattern of Administration

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17	First	San Diego State University	Ashley Schwartz	Physical and Mathematical Sciences; Interdisciplinary (Mixed)	Graduate	Network models for analyzing the deformities induced by the ecotoxicological contaminant Tris(4-chlorophenyl) methanol (TCPMOH) in developing zebrafish (<i>Danio rerio</i>)
17	Second	Cal State East Bay	Aarohi Shah	Physical and Mathematical Sciences; Interdisciplinary (Mixed)	Graduate	Can Ion Exchange Resins Be Used to Remove Boron from Produced Waters and Increase Water Sustainability?
18	First	California State University, Monterey Bay	Claudia Rocha	Behavioral, Social Sciences, and Public Administration (Undergraduate)	Undergraduate	"WE WILL GET THROUGH THIS!": Using Youth Participatory Action Research as a Tool to Advocate for Latinx Youth During the COVID- 19 Pandemic
18	Second	California State University, Long Beach	Brianna Rios	Behavioral, Social Sciences, and Public Administration (Undergraduate)	Undergraduate	The Impact of Witnessing Domestic Violence on Children: Mothers' Perspectives
19	First	California State University, Fullerton	Alexa Vega Rivas	Behavioral, Social Sciences, and Public Administration (Undergraduate)	Undergraduate	How Do the Effects of Trump's Immigration Policies Influence White and Latino Support for the American Dream?
19	Second	California State University, Monterey Bay	Paul Dommert	Behavioral, Social Sciences, and Public Administration (Undergraduate)	Undergraduate	Understanding the Psychology of Transformation: A Mixed Methods Investigation into the Dynamics of Significant Psychological Change
20	First	Cal State East Bay	Taylor Quintana and Lisa Ouyang	Behavioral & Social Sciences; Interdisciplinary (Mixed)	Undergraduate	Early treatment of inflammatory pain prevents the transition from acute to chronic pain in rats
20	Second	California State University San Marcos	Jordan Carroll	Behavioral & Social Sciences; Interdisciplinary (Mixed)	Undergraduate	Ketamine induces greater reward and reduced aversion in adolescents when compared to adults
21	First	California State University, Chico	Vania Buck	Session 21: Behavioral, Social Sciences, and Public Administration (Graduate)	Graduate	"En Español por Favor": Experiencias de Nosotros Bilingües en Agencias de Bienestar de Menores
21	Second	California Polytechnic State University, San Luis Obispo	Jack Keefer	Behavioral, Social Sciences, and Public Administration (Graduate)	Graduate	Analyzing the Relationship Between Social Media, Mood, and Body Image Esteem
22	First	California State University, Sacramento	Aliyah Penn	Biological and Agricultural Sciences; Interdisciplinary (Mixed)	Undergraduate	Bisphenol A differentially impacts neurodevelopment in <i>Drosophila melanogaster</i> from distinct genetic backgrounds
22	Second	California State University, Fullerton	Kathryn Eckholdt	Biological and Agricultural Sciences; Interdisciplinary (Mixed)	Undergraduate	Talking Trash: Will a Trash Interceptor in Newport Bay, CA Intercept Wrack Subsidies, Too?