Awardees of the CSUDH 2021 Student Research Conference

Oral Presentations

Behavioral and Social Sciences I

First place:
Colleen Vuong, Naomi Nelson, Shayna Quach, Brandon Thomas
*The Lived Experiences of Minority Mothers in the Neonatal Intensive Care Unit and the Role of Occupational Therapy*
Faculty Mentor: Dr. Sheryl Ryan

Second place:
Cesar Ovando
*The Nearly Impossible Conquest of the Guatemalan Lowlands: The Advantages of the Indigenous Maya in Central Petén*
Faculty Mentor: Dr. Kenneth Seligson

Behavioral and Social Sciences II

First place:
Juliet O'Brien, Rachel Reyes, Lauren Weaver
*The Occupational Aftermath of Sexual Assault Survivors*
Faculty Mentor: Dr. Sheryl Ryan

Second place: Melanie Ramirez, Mary Grace Perez, Justin Navarro, Bernice Verzosa
*The Impact of Stroke on Transportation Use in the Greater Los Angeles Area*
Faculty Mentor: Dr. Sheryl Ryan

Behavioral and Social Sciences III

First place:
Taylor Duffy, Daniel Correa, Denise Aguiluz, Isabel Munoz
*Socio-Cultural Factors, Health Status Indicators and Health Beliefs That Predict Diabetes Risk Among Latinx College Students*
Faculty Mentors: Dr. Silvia Santos and Dr. Maria Hurtado-Ortiz
Second place:
Vanessa Flores, Jennifer Dee, Michelle Franco
_Dating and Sexuality Experiences Among Transition-Age Individuals With Autism Spectrum Disorder: A Narrative Study_
Faculty Mentor: Dr. Sheryl Ryan

**Biological and Agricultural Sciences**

First place:
Liz Solis
_Delimiting Species in the Australian Lizard, Ctenotus_
Faculty Mentor: Dr. Sonal Singhal

Business, Economics, and Public Administration

First place:
Lauren Hull
_Effects of Law & Public Policy on the Supply of Women's Healthcare Providers in California_
Faculty Mentor: Dr. Fynnwin Prager

Second place:
Cat Munsen, NaKayla Williams, Sarah Franks
_Abolitionist Reform to Reimagine Policing: Defund the LAPD and Reinvest in Black Communities_
Faculty Mentor: Dr. Fynnwin Prager

Creative Arts and Design

First place:
Khasnaa Juma
_Art and Environmental Sustainability in High Fashion_
Faculty Mentor: Professor Devon Tsuno

Education

First place:
Icela Pantoja-Zamudio
_Child Language Development: Influence of Multilanguage Exposure and Socioeconomic Status_
Faculty Mentor: Dr. Megumi Kuwabara

Engineering and Computer Science

First place:
Phillip Aguilera and Christopher Gonzalez
_Virtual Network Function Load Balancing in Cloud Data Centers Using Machine Learning_
Faculty Mentor: Dr. Bin Tang
Second place:
Deepa Malani and Dhanaraj Rana  
*Transcript Reader (Android app)*  
Faculty Mentor: Dr. Bhrigu Celly

**Health, Nutrition, and Clinical Sciences**

First place:
Sylvia Pabon Andraca  
*Does the Use of Oral Glucose Lower Neonatal ICU Admissions or Lengths of Stay in Asymptomatic Neonates at Risk for Transient Hypoglycemia?*  
Faculty Mentor: Dr. Teri Ares

Second place:
Kamila Trzanek  
*Clinical Laboratory: Lessons Learned From COVID-19*  
Faculty Mentor: Dr. Payman Nasr

**Humanities and Letters I**
(2 first place awards)

First place:
Jasmine Abang  
*Immigration, Reproductive Rights, and Mexican (American) Women*  
Faculty Mentor: Dr. Doris Namala

First place:
Jackson Martinez  
*The Flâneuse and Phantasmagoria in the Cosmopolis*  
Faculty Mentor: Dr. Andrew Kalaidjian

**Humanities and Letters II**

First place:
Matthew Hernandez  
*“Please Don’t Kill Me”: Confronting Racist Violence in Contemporary Young Adult Literature*  
Faculty Mentor: Dr. Helen Oesterheld

Second place:
Joseline Gonzalez  
*“Padre, Perdóname!”: Machismo, Excommunication, and Safe Spaces in Empanada and Butterfly Boy*  
Faculty Mentor: Dr. Roderick Hernandez
Physical and Mathematical Sciences I

First place:
Omar Santizo, Claire Ladan, Justin Hathaway
*Improving Undergraduate Chemistry Education Analyzing Biochemical Redox Analytes Using a Student-Built Potentiostat*
Faculty Mentor: Barbara Belmont

Physical and Mathematical Sciences II

First place:
Michael Franco
*Distribution of Bristlecone Pines in Future Climate Change Scenario*
Faculty Mentor: Dr. Parveen Chhetri

Second place:
Michelle Mohr, David Saldana, Gabriel Angulo, Raju Bista
*Tree-Ring Climate Response of Jeffrey Pine in the Cascade Creek Watershed, Northern California*
Faculty Mentor: Dr. Parveen Chhetri

Poster Presentations

Behavioral and Social Sciences

First place:
Efrain Arroyo
*Using Google Earth for archaeological research: a virtual survey of the Inca road network between Machu Picchu and Choquequirao*
Faculty Mentor: Dr. Jerry Moore

Second place:
Elizabeth Mallonee
*Honoring the Dead and Defining Territory*
Faculty Mentor: Dr. Jerry Moore

Biological and Health Sciences

First place:
Lari Smith
*Identification of Marine Sponge Natural Products that Inhibit the Type III Inhibition System in Pathogenic Bacteria*
Faculty Mentor: Dr. Erin McCauley
Second place:
Jose Garfias
*Increased Angiogenesis and Embryotic Stem Cell Signatures Contribute to Delayed Growth of MDA-MB-468 Xenografts*
Faculty Mentor: Dr. Shehla Pervin

**Business, Education, and Humanities**

First place:
Ev Campos Martinez
*Understanding Butch Lesbian Culture: Are Butches A Dying Breed?*
Faculty Mentor: Dr. Jennifer Brandt

**Physical and Mathematical Sciences**

First place:
German Bravo-Villasenor
*Hexavalent Chromium Emissions and Sensitive Receptors in Los Angeles County*
Faculty Mentor: Dr. Parveen Chhetri

Second place:
Valeria Arredondo
*Discrete Approval Voting Models*
Faculty Mentor: Dr. Carolyn Yarnall