

## 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. Bhriugu 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 Embryonic 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