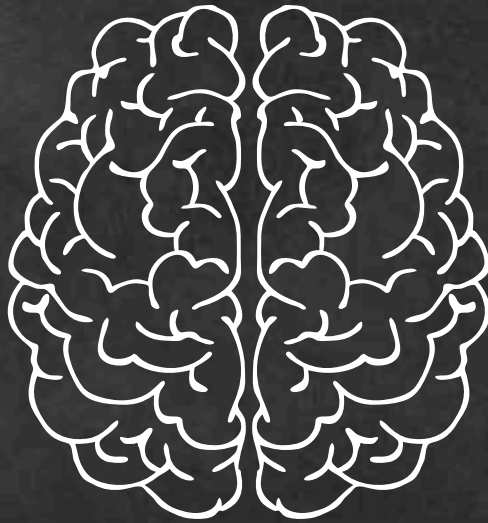


13TH ANNUAL

**MEETING
OF THE MINDS**



STUDENT RESEARCH SYMPOSIUM

ORAL PRESENTATIONS | POSTER PRESENTATIONS | ART EXHIBITS

APRIL 11TH, 2024

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WELCOME MESSAGE

Welcome, everyone, to Cal State San Bernardino's 13th Annual Meeting of the Minds Student Research Symposium.

A highlight of our university's Research Week, the April 11, 2024 event will be held in person in the Santos Manuel Student Union North Conference Center and the Center for Global Intelligence. An opportunity to hear a special speaker from 12-1 will also be available virtually.

I am incredibly proud of the vigorous research work being done by CSUSB students at both the undergraduate and graduate levels.

I am incredibly proud of the vigorous research work being done by CSUSB students at both the undergraduate and graduate levels. Our 2024 presentations from across the university will feature over 250 posters and oral presentations as well as art exhibits.

Student participation in research projects achieves many results that positively impact student success. These include growing investigative or creative skills and the experience of presenting the results, to enhanced learning of a particular area or subject matter, and to the opportunity to work closely with a faculty member. Make no mistake: student research is strong and opportunities to engage in research are robust at CSUSB.

The combination of learning and striving for excellence while having the opportunity to interact with one's peers in the presentation of the results are the outcomes provided for all participants.

My thanks, as always, to the Office of Student Research for holding such an outstanding campus event. My congratulations to all our students who are presenting at CSUSB's 2024 Meeting of the Minds.

Tomás D. Morales
President, CSU San Bernardino



President Tomás Morales

WELCOME MESSAGE

Welcome to the 13th annual "Meeting of the Minds Student Research Symposium." I am delighted to have you here today to witness our students' exceptional achievements and contributions. This symposium provides an opportunity for CSUSB students to showcase their research, scholarship, and creative activities with peers from across the campus. We are privileged to have such a talented and diverse group of student participants, and I am excited to see what this year's presentation has in store for us.



Dr. Cynthia Crawford

This year, we have over 300 presentations, shattering our past record of 218! These numbers are a testament to the deep and rich nature of the research culture that exists at CSUSB has created.

The students presenting today will compete for 38 awards, the winners selected by faculty jurors who will score and rank all presentations. We sincerely thank all the faculty jurors and mentors who made this event possible.

Finally, I acknowledge my gratitude to the Office of Student Research (OSR) for their tireless efforts in organizing this symposium and the numerous other opportunities they provide to CSUSB students.

Once again, welcome to CSUSB 13th Meeting of the Minds, and I wish you a fruitful and enjoyable time here.

Cynthia A Crawford, Ph.D.
Interim Provost for Academic Research

WELCOME MESSAGE

It is with great pleasure that I extend a warm welcome to all of you attending the 13th Annual "Meeting of the Minds" Student Research Symposium, organized by the Office of Student Research (OSR).

This event holds a special place in our hearts as it has been a flagship occasion for over a decade, providing students with a distinguished platform to showcase the research, scholarly, and creative projects they have diligently worked on during their tenure at California State University, San Bernardino.

The "Meeting of the Minds" not only serves as an opportunity to display academic prowess but also embodies a moment of collective appreciation for the culture of excellence in research and mentorship that permeates CSUSB..

Research, as we know, transcends the confines of classrooms, offering students a transformative experience where theoretical knowledge meets practical application. The OSR has remained steadfast in its commitment to nurturing this ethos by providing students with a robust platform to present their findings, fostering intellectual exploration, critical thinking, and professional development.

I would be remiss not to express my heartfelt gratitude to our esteemed faculty mentors and dedicated volunteers. Your unwavering support and guidance play an integral role in shaping the academic journey of our students and elevating the activities of the OSR to new heights.

Furthermore, I extend my sincere appreciation to Danielle White and Jessica Carrillo for their outstanding contributions to the success of the OSR. Their dedication and tireless efforts are truly commendable.

As we convene for the 13th "Meeting of the Minds," let us collectively celebrate the spirit of inquiry, innovation, and academic excellence that defines our institution.

Go Yotes!

Ryan W. Keating, Ph.D.
Director, Office of Student Research



Dr. Ryan Keating

KEYNOTE SPEAKER

We are proud to have Andrew Ramirez as the 13th annual “Meeting of the Minds” Student Research Symposium Keynote Speaker.

Andrew Ramirez is currently a Ph.D. candidate at University of California, Los Angeles (UCLA) in bioengineering. He received his M.S. degree in Bioengineering at UCLA in 2022 and his B.S. degree in chemical engineering at UC Davis in 2020. Andrew grew up in the cities of Colton and Beaumont. He is a child of Mexican immigrants, identifies as queer, and is a first-generation college student and graduate student.



Andrew Ramirez

Throughout his undergraduate program, Andrew was heavily involved in the Leadership in Engineering Advancement, Diversity, and Retention (LEADR) program, specifically designed to provide community and resources for first-generation engineering students. In LEADR, Andrew learned and became involved in research with the support of other pipeline programs, including the McNair Scholars Program, California Alliance for Minority Participation (CAMP), and Research Experience for Undergraduates (REUs). These opportunities enabled him to conduct research in diverse fields of STEM, including hydrogen production using inorganic photocatalysts, carbon monoxide chemisorption of platinum catalysts, and angiogenic therapeutics for peripheral ischemia.

In his current Ph.D. program, Andrew works in Dr. Aaron Meyer’s research lab, focusing on developing a single-cell data reduction for multi-condition-based experiments to better understand how different conditions affect single cell responses. In addition to his research, Andrew is committed to providing support, mentoring, and advocating for those in his community. He is currently involved in the First-Generation Graduate Student Council, striving to obtain equivalent support for the first-generation graduate student community as their first-generation undergraduate counterparts receive.

Andrew Ramirez
Ph.D. Candidate
University of California, Los Angeles (UCLA)

SCHEDULE OF EVENTS

9:00 AM - 3:30 PM

Registration (SMSU North)

10:30 AM - 10:45 AM

Welcome and Special Remarks (SMSU North)

Dr. Ryan Keating, Director for OSR

President Tomas Morales

Provost Rafik Mohamed

Dr. Cynthia Crawford, Interim AVP for Research

Carson Fajardo, President/CEO ASI

10:45 AM - 11:45 AM

Poster Presentation Session 1 (SMSU North)

Conference Room A,B,E

12:00 PM - 1:00 PM

Keynote Speaker & Lunch Andrew Ramirez

“My Journey as a First-Gen Queer Latino Graduate Student”

1:30 PM - 2:30 PM

Poster Presentation Session 2 (SMSU North)

Conference Room A,B,E

2:00 PM - 3:30 PM

Oral Presentation Session 1

CGI Rooms 111-115 & 211-212, 215

4:00 PM - 5:30 PM

Oral Presentation Session 2

CGI Rooms 111-115 & 211-212, 215



OUTSTANDING GRADUATE STUDENT RESEARCHER AWARDEE

Alexander Dixon was born in Fullerton, California in 1994 and earned his BFA with a dual concentration in graphic design and glass from California State University, Fullerton, in 2020. During that time, he found a passion for glass and, since then, has been committed to challenging its conceptions and limitations. Even from a young age, he was always drawing, which eventually transitioned into graphic design in high school, and then into graphic design and glass in college. Although he primarily works with glass these days, he continues to work as a graphic designer in the field and even started his own small business named, Stellar Signworks, which focuses on design, branding, and signage.



ALEXANDER DIXON
Graduate
College of Arts and Letters
Faculty Mentor: Dr. Katherine Gray

His extensive knowledge of design paired with his historical and contemporary knowledge of glass, sets him apart from other contemporary artists of our time. For him, design is always in his mind and the background of his artwork. He received multiple scholarships during his undergrad which allowed him to travel the country to take intensive workshops at renowned institutions, such as the Pilchuck Glass School, the Corning Museum of Glass, and Penland School of Craft. These incredible opportunities allowed him to meet and network with like-minded individuals from all over the globe, which only fueled his passions even more. He graduated with his MFA from California State University, San Bernardino, in December 2023, where he currently teaches Glass and Creative Technology for artists. For him, glass is more than an art form; it's a way of life. The way the material reacts to the human touch is unlike anything else and causes the maker to be fully present in the moment. Glass is a part of life that we interact with every day, but often it seeps into the background and becomes almost invisible.

His current goal is to be an established and exhibiting artist at the most prominent and prestigious museums and galleries across the globe. He wants to continue to teach at universities, fostering the development of the next generation of artists. His artwork is a blend of optical illusional art, combined with digital technology, and historical glass techniques, melding the two-dimensional and three-dimensional realms together. Through immersive installations and interactive experiences, he seeks to redefine the bounds of visual art and continues to investigate how the role of graphic design and its relation to public perception and societal influence.

OUTSTANDING UNDERGRADUATE STUDENT RESEARCHER AWARDEE

David Murillo is a graduating senior from the College of Natural Sciences majoring in Chemistry and minoring in Physics. Originally a transfer student from Victor Valley College, while at California State University San Bernardino (CSUSB), he has served as a senior research assistant with Prof. Renwu 'John' Zhang, as a learning assistant with Prof. David Maynard and Prof. Joyce Pham, and as President/Community Outreach Coordinator of the Society for the Advancement of Chicanos/Hispanics and Native Americans in STEM chapter at CSUSB.

As a researcher, he plans to address issues of sustainability using polymer science in applications

such as water pollution, energy storage, and nondegradable plastic waste. This was inspired by his work with Prof. Zhang from CSUSB on porous polymers for hydrogen storage and his with Prof. Jeremiah A. Johnson from MIT on solid polymer electrolytes. Both projects tackled the need for sustainable energy storage methods that were safer and more effective than current ones. David is the recipient of multiple undergraduate scholarships such as the S-STEM, Ralph H. Petrucci, CNS Edison, California Pre-Doctoral Program, and Barry Goldwater scholarships and is a recipient of the National Consortium for Graduate Degrees for Minorities in Engineering and Science Fellowship.

He plans to capitalize on these opportunities to continue building his capabilities as an educator, researcher, and community builder while in graduate school pursuing a Ph.D. in Chemistry. In the future, David plans to return to a primarily undergraduate institution as a faculty member to support underrepresented and disadvantaged students in STEM by making science education impactful and enjoyable, providing research opportunities for students, and building communities that provide a sense of belonging and connecting students to large networks.



DAVID MURILLO

Undergraduate
College of Natural Sciences
Faculty Mentor: Dr. Renwu Zhang

EVENT JURORS

Thank you to all the faculty jurors who contributed their time and efforts to make "Meeting of the Minds" a success!

Poster Presentations

Dr. Adam Jones
Dr. Angela Horner
Dr. Anna Zelaya
Dr. Ari Kim
Ms. Ariana Cardoso
Dr. Ashley Magana
Dr. Bailey Benedict
Dr. Becky Talyn
Dr. Beverly Abadines Quon
Dr. Brian Hagerty
Dr. Brianna Deadman
Dr. Caroline Lim
Dr. Carolyn McAllister
Dr. Claire Todd
Dr. Claudia White
Dr. Daniel Nickerson
Dr. Daniel Ovando
Dr. David Gonzalez
Dr. Deirdre Lanesskog
Dr. Dianne Golden
Dr. Doguhan Sundal
Dr. Erik Schott
Dr. Erin Hall
Dr. Evangeline Fangonil-Gagalang
Dr. Gisele Secco
Dr. Heekyung Lee
Dr. Herb Shon
Dr. Isabel Guzman
Dr. Jacqueline E. Romano
Dr. Jason Burke
Dr. JC Belliard
Dr. Jeremy Mallari

Dr. Jing Zhang
Dr. Jonathan Robinson Anthony
Dr. Joyce Pham
Dr. Kathy Turnbull
Dr. Ken Calof
Dr. Leslie Amodeo
Dr. Lua Lopez
Dr. Luba Levin Banchik
Dr. Mark Carvalho
Dr. Mark Gibbs
Dr. Meredith Conroy
Dr. Michael Samardzija
Dr. Michelle Lorimer
Dr. Miranda McIntyre
Dr. Monideepa Becerra
Dr. Moonhoon Choi
Dr. Nabeel Alzahrani
Dr. Nathaniel Bodell
Dr. Nick Moon
Dr. Nick Watson
Dr. Nicole L. Arkadie
Dr. Pallav Dave
Dr. Pat Morris
Dr. Stephanie Schneider
Dr. Susana Henriquez
Dr. Suthakaran Ratnasingam
Dr. Tandis Bidgoli
Dr. Teresa Morris
Dr. V.N. Pradeep Ambati
Dr. Xiaoxu Jiang
Dr. Yawen Li
Dr. Yeon Kim
Dr. Zachary Powell

Oral Presentations

Dr. Ariana Cardoso
Dr. Ahlam Muhtaseb
Dr. April Karlinsky
Dr. Arie Shen
Dr. Becky Talyn
Dr. Brianna Deadman
Dr. Brystal Nevins
Dr. Christina Hassija
Dr. Douglas Weiss
Dr. Erin Hall
Dr. Fabian Borges
Dr. Haakon Brown
Dr. Jessica Luck
Dr. Jessica Vierra
Dr. Jeff Baldassari
Dr. Jeremy Dodsworth
Dr. Kim Cousins
Dr. Maggie Boyraz
Dr. Melissa Lopez
Dr. Rui Hu
Dr. Sanjeet Mann
Dr. Sarah Dowman
Dr. Sastry Pantula
Dr. Sue Kaiser
Dr. Thora Giallouri
Dr. V.N. Pradeep Ambati
William Ortiz
Dr. Yan Zhang

EXTERNAL JURORS

Thank you to the following external judges for their participation at this year's "Meeting of the Minds" Student Research Symposium

Jeff Baldassari, JD.
President and Executive ESG
Strategist
Labeling Sustainability, Inc.

Mark Carvalho
Global Ambassador & Director of
Business Development
Institute for Education, Research,
and Scholarships (IFERS)

Ken Calof, MBA.
High-performance Sales and
Leadership Coach
Southwestern Consulting

Max Cherubin
Vice President, Sales Engineering
Panatron, Inc.
Chair, IEEE, Foothill Section

Elizabeth Clark
DaVita

Addison Cooper
Olive Crest

Ashley Diaz- San Bernardino
County Children & Family Services

Mark Gibbs
Director of Aviation
San Bernardino International
Airport

David González
Project Manager & Systems
Engineer
Naval Surface Warfare Center,
Corona

Jose Gonzalez
Val Verde Unified School District

Brian Hagerty
Founding Executive Director
P3 Innovation Center for
People, Planet and Prosperity

Rebecca A. Irwin, Ph.D.
San Bernardino County Public
Defender's Office

Adam Jones
Department of State Hospitals-
Patton

Elisa Lopez-Garcia
Ontario-Montclair School
District

Michelle Martinez
DaVita

Mike Miller, MBA.
Founder & Principal
Wild Horse Labs

Patrick Morris, JD
Retired judge; Former Mayor,
San Bernardino, and an active
community leader.

Darcy McNaboe, MBA.
Regional Charitable Giving
Officer
Inland Empire Community
Foundation (IECF)
Former Mayor, Grand Terrace

Danielle Orozco
Arrowhead Regional Medical
Center

Daniel Ovando, MBA.
Franchise Owner
Floor Coverings International

Michael Samardzija, PhD, JD.
Vice President, Research
Affairs
Loma Linda University

Arie Shen, MBA
Founder,
Madras, Inc.

Delsa Tapia-Wilson
San Bernardino Superior
Court

Claudia White, PhD.
Industrial/Organizational
Psychologist, Coach, and
Performance Consultant, &
Founder.
White Sand Consultant

Zoran Zivanovic, MBA.
Director, Industrial Relations
Loma Linda University Health

POSTER PRESENTATIONS

SESSION 1
10:45AM - 11:45AM

COLLEGE OF ARTS & LETTERS

Presenter(s): Dea Armstrong
Faculty Mentor: Dr. Eric Mulz
Major: Theatre Arts
Title: *Acknowledging and Refining Skills Through the Community of Theatre.*

Presenter(s): Dezerae Fraijo
Faculty Mentor: Dr. Kate Liszka
Major: Studio Arts
Title: *Excavation.*

Presenter(s): Frankie Gutierrez
Faculty Mentor: Dr. Alison Ragguette
Major: MFA in Studio Art
Title: *Things That Are Long .*

Presenter(s): a Lange
Faculty Mentor: Dr. Kate Liszka
Major: Design
Title: *Sharing Wadi El-Hudi.*

Presenter(s): Angeles Medina Morales
Faculty Mentor: Dr. Guillermo Aviles-Rodriguez
Major: Art Education
Title: *Relearning the History of Nuestro Pueblo.*

Presenter(s): Jocelin Monge
Faculty Mentor: Dr. Liliana Conlisk-Gallegos
Major: Communication Studies
Title: *A Decolonial and Intersectional Analysis of Alexandria Ocasio-Cortez.*

Presenter(s): Jovanna Moya
Faculty Mentor: Dr. Sadie Kingsbury
Major: Studio Arts
Title: *A Journey Through Time with an Artist: An Interdisciplinary Approach to Teaching Earth History.*

Presenter(s): Ramtin Ranjpour
Faculty Mentor: Dr. Ahlam Mutaseb
Major: Communications
Title: *Unlocking the Potential of Collective Intelligence.*

Presenter(s): Victor Torres and Andrea Lopez
Faculty Mentor: Dr. Debora Perez Torres
Major: Communications
Title: *Stress and Coping Among Latino Populations Discrimination- and Rejection-Related Experience, Effects, and Coping .*

Presenter(s): Morgan Waterman
Faculty Mentor: Dr. David Funder
Major: Communications
Title: *Analyzing Musical Instrument Preferences and the Big Five Personality Traits.*

Presenter(s): Perri Williams
Faculty Mentor: Dr. Jessica Nerren
Major: Communications
Title: *Race, Neurodiversity, & Advocacy: What Patients & Practitioners Must Do In a Healthcare Detting.*

POSTER PRESENTATIONS

JAMES R. WATSON & JUDY RODRIGUEZ WATSON COLLEGE OF EDUCATION

Presenter(s): Cynthia Barajas, Jason Trang, and Miguel Pizano-Regalado
Faculty Mentor: Dr. Dalton Marsh
Major: Teacher Education and Foundation
Title: *Motivational Assets of Underrepresented Students in Mathematics and Science.*

Presenter(s): Alle Gold
Faculty Mentor: Dr. Stacy Morris
Major: Child Development
Title: *Exploring First-Generation College Student Perspectives on Faculty Mentor Support of Career Goal Development.*

Presenter(s): Samuel Quarles, Samantha Poitier, and Alexandra Amodeo
Faculty Mentor: Dr. Roderick O'Handley
Major: School Psychology
Title: *A Systematic Review Examining Effective Instruction Delivery and its Effectiveness For Improving Elementary School Student Non-Compliance.*

Presenter(s): Renee Sales, Luisa Soracco, and Itzel Lopez
Faculty Mentor: Dr. Roderick O'Handley
Major: School Psychology
Title: *A Systematic Review of Studies Focused on Training Educators to Use Stimulus Preference Assessments.*

COLLEGE OF NATURAL SCIENCES

Presenter(s): Valentin Acosta
Faculty Mentor: Dr. Laura Newcomb
Major: Biology
Title: *Investigation of Influenza A Virus Nucleoprotein Interactions.*

Presenter(s): Britney Aguirre
Faculty Mentor: Dr. Nicolas Brunet
Major: Biology
Title: *Face Perception and Anticipation: Insights from ERP Waveforms.*

Presenter(s): Daniel Alcerro and Maira Lazaro
Faculty Mentor: Dr. Mahmood Nikbakhtzadeh
Major: Biology
Title: *Effects of Intermediate Doses of Roundup[®] During Larval Stage on the Oviposition and Reproductive Organs of Culex Quinquefasciatus.*

Presenter(s): Karen Alvarenga
Faculty Mentor: Dr. Anna Zelaya
Major: Biology
Title: *The Incorporation of CUREs in Introductory Biology Laboratories.*

POSTER PRESENTATIONS

Presenter(s): Juan Alvarez-Arriaza

Faculty Mentor: Dr. Kerry Cato

Major: Geology

Title: *Determining Historic Vegetation and Geomorphic Change Using Aerial Photographic Analysis at the Harford Springs Reserve, Riverside, CA.*

Presenter(s): Vanessa Anocibar

Faculty Mentor: Dr. Susana Henriquez

Major: Environmental Geology

Title: *Using Tridacna Gigas Sclero-chronological Discrepancies to Identify Tropical Storm and Weather Data.*

Presenter(s): Estefania Antonio-Ramirez

Faculty Mentor: Dr. Jennifer Carhart

Major: Nursing

Title: *Integrating Holistic Medicine with Nursing Practices for Inclusive Healthcare.*

Presenter(s): Sarath Babu, Nathan Burnett, and Amber Flores

Faculty Mentor: Dr. Swatantra Kethireddy

Major: Public Health

Title: *Assessment of Nitrate Levels in Southern California Water Sources: Implications for Community Health Disparities in San Bernardino, Riverside, Palm Springs, and Ontario.*

Presenter(s): Jacob Baker

Faculty Mentor: Dr. Claire Todd

Major: Geology

Title: *Paleo Ice Sheet Reconstruction of the East Antarctic Ice Sheet around the Outback Nunataks Using Geographic Information System (GIS).*

Presenter(s): Ramiro Barajas

Faculty Mentor: Dr. Angela Horner

Major: Biology

Title: *Urbanization Impact on Locomotor Performance in Western Fence Lizards (Sceloporus Occidentalis).*

Presenter(s): Angela Haven Barandino

Faculty Mentor: Dr. Jason Ng

Major: Kinesiology

Title: *Relationship Between Hydration State and Sweat Rate in Female Division II Athletes During a Team Training Session.*

Presenter(s): Katherine Bartels

Faculty Mentor: Dr. Becky Talyn

Major: Biology

Title: *The Effects of Roundup Super Concentrate on Drosophila Melanogaster Activity.*

Presenter(s): Paola Boshra, Fernanda Escorza, and Maviz Castro

Faculty Mentor: Dr. Jeremy Mallari

Major: Biochemistry

Title: *Modifying an Antimalarial Scaffold to Facilitate the Synthesis of Structurally Diverse Inhibitor Sets.*

Presenter(s): Jillian Bottini

Faculty Mentor: Dr. Tandis Bidgoli

Major: Geology

Title: *Geologic Mapping and Analysis of the Banning and Garnet Hills Strands of the Southern San Andreas Fault System.*

POSTER PRESENTATIONS

Presenter(s): Alejandro Campos and Juliana Perez Durazo
Faculty Mentor: Dr. Sarah L. Dunn
Major: Kinesiology
Title: *Applied Learning Experiences, Belonging & Preparedness for Career in Undergraduate Kinesiology Students.*

Presenter(s): Fernando Castro-Valdez
Faculty Mentor: Dr. Erik Melchiorre
Major: Geology
Title: *Origins of Placer Gold within the regolith of the Batouri weathering blanket, Eastern Cameroon goldfield, Africa.*

Presenter(s): Nina Colunga and Carolina Garcia
Faculty Mentor: Dr. Zhaojing Chen
Major: Kinesiology
Title: *Acute Sclerostin Responses to A Single Bout of Resistance Exercise In Older Women.*

Presenter(s): Maurice Cruz Morales and Auguste Torres
Faculty Mentor: Dr. Zhaojing Chen
Major: Kinesiology
Title: *Effects of 12-week Biodensity Training on Muscular Fitness in Women.*

Presenter(s): Ruby Delgado and Maria Sanchez-Perez
Faculty Mentor: Dr. Sarah Dunn
Major: Kinesiology
Title: *Undergraduate Kinesiology Student Involvement in the Department and Sense of Belonging by Employment Status.*

Presenter(s): Rosalba Duran Cortes, Natalie Barrier, John Lee, Paola Politis, Christian Valenzuela
Faculty Mentor: Dr. Evangeline Fangonil-Gagalang
Major: Nursing
Title: *Improving Discharge Instruction Among People with Language Barriers in the Emergency Department (ED).*

Presenter(s): Angel Dyea
Faculty Mentor: Dr. Erik Melchiorre
Major: Geology
Title: *Silver production estimates using LiDAR for the Red Cloud Mine, Calico, California.*

Presenter(s): Adam Espinoza and Novalee Erickson
Faculty Mentor: Dr. Laura Newcomb
Major: Biology
Title: *Characterization of a Feline Macrophage Cell Line to Study Feline Coronavirus.*

Presenter(s): Mariangel Fernandez Silva
Faculty Mentor: Dr. Lua Lopez Perez
Major: Biology
Title: *A Transgenerational Epigenetic Analysis of *Iberodes littoralis*.*

POSTER PRESENTATIONS

Presenter(s): Daniela Ferrera
Faculty Mentor: Dr. Jason Ng
Major: Kinesiology
Title: *Correlation Between Pre-exercise Hydration Status and Heart Rate of Female Division II Collegiate.*

Presenter(s): Jonathan Flores
Faculty Mentor: Dr. Jason Ng
Major: Kinesiology
Title: *Differences in Pre-exercise Hydration Levels and Body Mass Loss During Exercise Among Female Division II Track and Field Athletes.*

Presenter(s): Natalie Flores and Apollo Ibanez Rincon
Faculty Mentor: Dr. Angela Horner
Major: Biology
Title: *Forelimb and Hindlimb Bone Response to Early Life Exercise Training in High Runner (HR) Mice.*

Presenter(s): Raf Marc Flores and Saul Jerry Mota
Faculty Mentor: Dr. Benjamin Bercerra
Major: Mathematics
Title: *Mental Health and Cannabis Use Among Arrested Individuals.*

Presenter(s): Carolina Garcia, Rosalinda Escobar Prado, Tristan Issa, Auguste Torres, and Maurice Cruz
Faculty Mentor: Dr. Zhaojing Chen
Major: Kinesiology
Title: *Effects of 12-week of bioDensity Training on Bone Adaptations.*

Presenter(s): Jose Garcia
Faculty Mentor: Dr. Claire Todd
Major: Geology
Title: *Evaluating the Effect of Increasing Air Temperatures on Suspended Sediment Concentrations in White River, Mount Rainier National Park, WA.*

Presenter(s): Jasmyn Garlan
Faculty Mentor: Dr. Tандis Bidgoli
Major: Geology
Title: *Timing, Magnitude, and Structural Style of the Frisco Thrust using (U-Th)/He Thermochronology.*

Presenter(s): Elmer Gutierrez
Faculty Mentor: Dr. Bree Putman
Major: Biology
Title: *Cover Board Surveys on a College Campus Reveal Differences in Temperature Variability Between Urban and Natural Areas.*

Presenter(s): Syunsuke Hasuka
Faculty Mentor: Dr. Tандis Bidgoli
Major: Geology
Title: *Geologic Mapping and Slip Rate Analysis of the Mission Creek and Banning Faults on the Coachella Segment of the Southern San Andreas Fault.*

POSTER PRESENTATIONS

Presenter(s): Sofia Hernandez Corona, Victoria Vang, and Ramiro Barajas
Faculty Mentor: Dr. Angela Horner
Major: Biology
Title: *Concrete Jungle Gym: Urban Adaptation in Western Fence Lizards (Sceloporus occidentalis).*

Presenter(s): Malissa Hildreth
Faculty Mentor: Dr. April Karlinsky
Major: Kinesiology
Title: *"Do you see what I see?" Investigating the Effects of Depth on Gaze Cues.*

Presenter(s): Ben Jimenez Arellano and Ricardo Sifuentes
Faculty Mentor: Dr. Jeremy P. Mallari
Major: Biochemistry
Title: *Optimization of N4-substituted Piperazine-Derived Inhibitors Against Falcilysin, an Essential Malarial Metalloprotease.*

Presenter(s): Jose Jimenez
Faculty Mentor: Dr. Claire Todd
Major: Geology
Title: *Degradational Evolution of Debris-Covered Glaciers on Mount Rainier.*

Presenter(s): Brain Juarez, Ana Nguyen, and Thomas Tapia
Faculty Mentor: Dr. Angie Verissimo
Major: Public Health
Title: *Tobacco and Marijuana Use as Coping Responses to Discrimination.*

Presenter(s): David Jung
Faculty Mentor: Dr. Nicole Bournias-Vardiabasis
Major: Biology
Title: *Comparing the Effects of Proton and Photon Therapy on Promoting Cancer Aggressiveness in Ovarian Cancer and Glioblastoma.*

Presenter(s): Maira Lazaro and Daniel Alcerro
Faculty Mentor: Dr. Mahmood Nikbakhtzadeh
Major: Biology
Title: *Effect of Dietary Deficiency on Oviposition and Reproductive Organs of Female Culex quinquefasciatus.*

Presenter(s): Christina Limebrook
Faculty Mentor: Dr. Britt Leatham
Major: Geology
Title: *Evaluation of Trilobite-Bearing clasts of the Early Cambrian Latham Shale in the Trilobite Wilderness Area, Marble Mountains, California: Estimation of the Fossil Abundance.*

Presenter(s): Manuel Madrigal
Faculty Mentor: Dr. Tomasz Owerkowicz
Major: Biology
Title: *Coronary Blood Flow During Terrestrial Exercise in the American Alligator (Alligator Mississippiensis).*

POSTER PRESENTATIONS

Presenter(s): Alma Martinez
Faculty Mentor: Dr. Jason Ng
Major: Kinesiology
Title: *Relationship Among Body Characteristics and Sweat Rate During a Training Session in DII Female Collegiate Track and Field Athletes.*

Presenter(s): Tiffany Mayorga
Faculty Mentor: Dr. Kimberley Cousins
Major: Chemistry
Title: *The Functionalization of Octamethylcyclotetrasiloxane Through a Solid Support.*

Presenter(s): Alexis Montiel
Faculty Mentor: Dr. Claire Todd
Major: Geology
Title: *How Does Tectonic Setting Affect Glacier Morphology?*

Presenter(s): Abraham Negrete
Faculty Mentor: Dr. Maria Katy Wimberly
Major: Physics
Title: *Willman 1.*

Presenter(s): Celine Nicolle, María Flores Blancas , Erika Cruz, Karen Lizarraga, Isabel Cuellar, Nina Ngo, and Jon Shearer
Faculty Mentor: Dr. Angie Verissimo
Major: Nursing
Title: *Drawing from Community Expertise: Developing an Anti-Discrimination Framework for Substance Use Prevention and Intervention Programs Among the Latine Community.*

Presenter(s): Alaina O'Connell and Katelyn Schwarz
Faculty Mentor: Dr. Daniel Nickerson
Major: Biology
Title: *Using CRISPR-Cas9 Genome Editing to Identify Misregulated Signaling Proteins Responsible for a Cellular Transport Defect in Yeast.*

Presenter(s): Evangelina O'Leary
Faculty Mentor: Dr. Kimberley Cousins
Major: Chemistry
Title: *Filtration of Wastewater Contaminated with D-4.*

Presenter(s): Nathan Orozco
Faculty Mentor: Dr. Wallace Britt Leatham
Major: Geology
Title: *Analysis on scaphopods from the San Pedro shelf, Southern California.*

Presenter(s): Maxine Osunsanmi and Sidra Skye Hilde
Faculty Mentor: Dr. Lua Lopez Perez
Major: Biology
Title: *Using Genetic Knockouts of the Model Species Arabidopsis Thaliana to Investigate the Genetic Basis of Tolerance to Zinc Polluted Soils.*

Presenter(s): Kimberly Perez
Faculty Mentor: Dr. Heidi Contreras
Major: Biology
Title: *The Effect of Dietary Protein on a Cockroach's Metabolic Rate.*

POSTER PRESENTATIONS

Presenter(s): Breanna Alexis Ramirez and Cesar Garcia-Brito
Faculty Mentor: Dr. Tomasz Owerkowicz
Major: Biology
Title: *Do Crocodilians Have an Air-Conditioning Unit in Their Heads? Experimental Test of Purported Thermoregulatory Function of the Dorsal Temporal Fenestrae in the American Alligator.*

Presenter(s): Karina Ramirez and Angel Bahena Gomez
Faculty Mentor: Dr. Claire Todd
Major: Geology
Title: *Debris Cover Characterization of Emmons Glacier, Mount Rainier, WA.*

Presenter(s): Matthew Rangel, Estela Villarreal, and Ian Bond
Faculty Mentor: Dr. Jason Burke
Major: Biochemistry
Title: *Investigating the Effect of Missense Mutations on the Retinoblastoma Tumor Suppressor Protein.*

Presenter(s): Laura Rodriguez-Requeno
Faculty Mentor: Dr. Evangeline Fangonil-Gagalang
Major: Nursing
Title: *Noise Affects the Quality of Care Given by Nurses.*

Presenter(s): Alejandro Rodriguez
Faculty Mentor: Dr. Gabriel Elvin
Major: Mathematics
Title: *Rainbow Ramsey Theory: Quantifying Regularity in Large Structures.*

Presenter(s): Sarah Saldana
Faculty Mentor: Dr. Jason Ng
Major: Kinesiology
Title: *Correlation Between Hydration Status and Fluid Intake During Physical Training of Division II Female Track and Field Athletes.*

Presenter(s): Donald Seccombe IV
Faculty Mentor: Dr. Susana Henriquez
Major: Geology
Title: *"Using Sandstone Petrography to Investigate the Sediment Provenance in the Permian to Jurassic Ikh Uul Basin, Central Mongolia".*

Presenter(s): Sidra Tehniyath
Faculty Mentor: Dr. Carmen Beck
Major: IST
Title: *Educational Experiences of an International Indian Women in America.*

Presenter(s): Isabella Terrazas, Moris Cabrera, and Steven Carlston
Faculty Mentor: Dr. Benjamin Becerra
Major: Mathematics
Title: *Factors that Affect People not having Healthcare Access due to lack of Transportation.*

POSTER PRESENTATIONS

Presenter(s): Caroline Vanegas and Cindy Ramirez
Faculty Mentor: Dr. Laura Newcomb
Major: Biology
Title: *NP-PB2 Interaction as a Viable Target to Inhibit Influenza Replication.*

Presenter(s): David Vargas-Monroy
Faculty Mentor: Dr. Yan Zhang
Major: Computer Science
Title: *Labeling Medical Notes with Deep Learning.*

Presenter(s): Vanessa Vasquez Meza and Hailey Mims
Faculty Mentor: Dr. Jason Burke
Major: Biology
Title: *Analyzing Missense Mutation Disrupting the Retinoblastoma Protein Stability.*

Presenter(s): Brenda Villegas
Faculty Mentor: Dr. Jeremy Dodsworth and Dr. Anna Zelaya
Major: Biology
Title: *Artificial Sweeteners Effect on Growth of Escherichia Coli HB101.*

Presenter(s): Guillermo Zuniga
Faculty Mentor: Dr. Kerry Cato
Major: Geology
Title: *Geomorphic Change Detection Through Detailed Imagery Analysis to Determine Debris Flow Occurrence Under Known Hydrologic Conditions, Oak Glen, CA.*

COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES

Presenter(s): Christopher Aguirre
Faculty Mentor: Dr. Roberto Rivera
Major: Sociology
Title: *Greed in America Leads to Crime.*

Presenter(s): Camryn Amundsen
Faculty Mentor: Dr. Nicolas Burnet
Major: Psychology
Title: *Exploring ERP Biomarkers in Response to Food Images: A Within-Subject Study on Hunger and Satiety.*

Presenter(s): Alewa Anaya
Faculty Mentor: Dr. John Clapper
Major: Psychological Science
Title: *Investigating the Relationships Among Breath Counting, Mood, and Heart Rate Variability in a Meditation-like Cognitive Task.*

Presenter(s): Jacqueline Marie Arcayena
Faculty Mentor: Dr. Michael Lewin
Major: Psychology
Title: *Adult attachment and Psychological Well-Being: The Role of Psychological Inflexibility.*

Presenter(s): Kabba Barua
Faculty Mentor: Dr. Manijeh Badiee
Major: Psychology
Title: *Predictors of Resilience in First-Generation College Students.*

POSTER PRESENTATIONS

Presenter(s): Rocco Biscotti, Eli Dominguez, and Mikhail Rene
Faculty Mentor: Dr. David Chavez
Major: Psychology
Title: *How Community Support and Family Acceptance Interact to Influence Influence LGBTQ+ Young Adult's Mental Health and Well-Being.*

Presenter(s): Andrew Cabrera, Carolyn Cueto, Alexandra Teja, and Johnna Ritchie
Faculty Mentor: Dr. Leslie Amodeo
Major: Biological Psychology
Title: *Adolescent and Adult Methylphenidate Leads to Disruptions in Sleep/Wake Activity Patterns After Discontinuation in Rats.*

Presenter(s): Kristof Csaba
Faculty Mentor: Dr. Miranda McIntyre
Major: Psychology
Title: *Fostering Statistics Self-Efficacy Through Collaborative Practice Testing.*

Presenter(s): Kristof Csaba, Iris Khan, Elisha Morgan, Negin Ghaffari
Faculty Mentor: Dr. Nicholas Moon
Major: Psychology
Title: *Developing and Validating the Student Happiness Scale: A Multidimensional Approach to Assessing Well-Being in College Students.*

Presenter(s): Priscilla Cuellar-Rocha
Faculty Mentor: Dr. Jacob Jones
Major: Psychological Science
Title: *Parkinson's Disease and Processing Speed Theory: Does Processing Speed Mediate Higher-Order Cognitive Functioning?*

Presenter(s): Geoffrey Cui
Faculty Mentor: Dr. Anna Lama
Major: Psychological Science
Title: *Teaching Empathy to Nursing Student Through A Street-based Program for People Experiencing Homelessness.*

Presenter(s): Eli Dominguez, Rocco Biscotti, Mikhail Rene
Faculty Mentor: Dr. David Chavez
Major: Psychology
Title: *Contributing Factors Towards the Mental Health of Religious LGBTQ+ Individuals.*

Presenter(s): Karla Flores Castilo
Faculty Mentor: Dr. Laurie Smith
Major: Child Development
Title: *The Effects of Bilingualism on Working Memory: An Analysis Using Network Modeling.*

Presenter(s): Pedro Flores
Faculty Mentor: Dr. Dionisio Amodeo
Major: Psychological Science
Title: *Repeated Serotonergic 5-HT6 Modulation on Weight and Anxiety.*

POSTER PRESENTATIONS

Presenter(s): Alexandra Galdemez
Faculty Mentor: Dr. Amy Van Schagen
Major: Child Development
Title: *Can you hear me? Voices of BIPOC Early Childhood Educators.*

Presenter(s): Luis Gonzalez, Stephanie Gomez, and Kimberly Guerrero Leon
Faculty Mentor: Dr. Leslie Amodeo
Major: Psychology
Title: *Changes in Circadian Rhythm and 24h activity patterns after initial and Continuous Fluoxetine exposure in Adolescent Rats.*

Presenter(s): Dennis Guthrie
Faculty Mentor: Dr. Michael R. Lewin
Major: Psychology
Title: *Neuroticism, Psychology Well-Being, and the Role of Psychological Inflexibility.*

Presenter(s): Alanna Gutierrez
Faculty Mentor: Dr. Zachary Powell
Major: Intelligence and Crime Analysis
Title: *The Psychological Costs of Complaining: A Content Analysis of California Police Department Websites.*

Presenter(s): Jennifer Gutierrez
Faculty Mentor: Dr. Stacy Morris
Major: Child Development
Title: *Exploring Universal Design for Learning (UDL) Strategies and High-Impact Practices (HIPs) Associations with Student Engagement and Learning Outcomes: An Analysis of Final Action Projects in a Diversity in Child Development Course.*

Presenter(s): Lea Hemphill
Faculty Mentor: Dr. Jacob Jones
Major: Counseling Psychology
Title: *Effects of APOE, Depression, and Anxiety on Cognitive Decline Among Adults at Risk for Alzheimer's Disease.*

Presenter(s): Erick Herrera
Faculty Mentor: Dr. Megan Carroll
Major: Sociology & Ethnic Studies
Title: *Analyzing the Western Perceptions of Shōjo Manga: The Representation of Sexual Relations Between Men (BL Paradoxes)*

Presenter(s): Brittini Hill
Faculty Mentor: Dr. King To Yeung
Major: Social Psychology
Title: *A state State-Level Examination of Mass Shooting Rates.*

Presenter(s): Teresa Iribe-Arroyo
Faculty Mentor: Dr. Karen Robinson
Major: Sociology
Title: *What Now? The Experiences of Undocumented Students After Graduation.*

Presenter(s): Mercedes Jimenez
Faculty Mentor: Dr. Lisa Looney
Major: Child Development
Title: *The Importance of Trust and Care in Building Positive Teacher-Student Relationships in Higher Education*

POSTER PRESENTATIONS

Presenter(s): Mishon Johnson
Faculty Mentor: Dr. Lisa Looney
Major: Child Development
Title: *Cultivating Trust, Care, and Positive Relationships: Faculty-Student Dynamics in Higher Education.*

Presenter(s): Mercedes Jurado
Faculty Mentor: Dr. Dionisio Amodeo
Major: Psychology
Title: *Impact of Serotonin 1B/1A Receptor Activation on Behavioral Flexibility.*

Presenter(s): Rene Perez
Faculty Mentor: Dr. King-To Yeung
Major: Sociology
Title: *Perceptions Of Minorities Towards Police*

Presenter(s): Angelil Richard
Faculty Mentor: Dr. Jennifer Alford
Major: Social Science and Globalization
Title: *Flowing Towards Equity: Addressing Water Justice in Southern California's Underserved Communities*

Presenter(s): Rosio Rodriguez
Faculty Mentor: Dr. King-To Yeung
Major: Sociology
Title: *The effects of different welfare regimes on individual's subjective well-being.*

Presenter(s): Talia Sinkfield
Faculty Mentor: Dr. King-To Yeung
Major: Sociology
Title: *Health Care and Pregnancy with African American Women.*

Presenter(s): Eric Tafoya
Faculty Mentor: Dr. Kyeong
Major: Sociology
Title: *The Role Higher Education Plays on Lowering the Recidivism Rate, Enhancing Relationships, Greater Economic Status, and Become a Productive Member in Society.*

Presenter(s): Eric Tafoya
Time: 2:30PM
Faculty Mentor: Dr. Roberto Rivera
Major: Sociology
Title: *Inclusion and Diversity . "The Imperative Role the Black and Brown.*

Presenter(s): Lyla Valdez
Faculty Mentor: Dr. Karen Robinson
Major: Sociology
Title: *Inclusion, Exclusion, and Status: Experiences of Minority Men and Women in STEM*

POSTER PRESENTATIONS

SESSION 2
1:30PM - 2:30PM

COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCES

Presenter(s): Rossandra Martinez
Faculty Mentor: Dr. Jeremy Murray
Major: History
Title: *Graduate Equity Fellowship/Attending a Conference for the First Time.*

Presenter(s): Vincent Mendoza
Faculty Mentor: Dr. Yolonda Youngs
Major: Geography
Title: *A Sustainable Future in San Bernardino: Monitoring Progress in Social, Economic, and Environmental Development.*

Presenter(s): Simeone Miller
Faculty Mentor: Dr. Luba Levin-Banchik
Major: Social Science and Globalization
Title: *Islamic Perceptions of Conflict Mediation in the Global Context.*

Presenter(s): Blanca Montoya
Faculty Mentor: Dr. Brittany Bloodhart
Major: Psychology
Title: *Race, Gender, and Pro-Environmental Behaviors.*

Presenter(s): Krisha Orgo
Faculty Mentor: Dr. Nicolas Brunet
Major: Psychology
Title: *Electrophysiological Evidence for Distinct Face Representations in the Fusiform Face Area.*

Presenter(s): Dan Orozco
Faculty Mentor: Dr. Zachary Powell
Major: Criminal Justice
Title: *Unveiling Emotion: Deciphering its Influence on Parole Hearing Outcomes.*

Presenter(s): Daisy Pompa
Faculty Mentor: Dr. Amy Van Schagen
Major: Early Childhood Development
Title: *Stories of Early Childhood Education and Reflections of BIPOC Early Childhood Educators.*

Presenter(s): Rachel Kanter
Faculty Mentor: Dr. Laurie Smith
Major: Social Work
Title: *White Knight or Mere Bystander? Examining the Complex Role of Benevolent Sexism on Bystander Intervention in Workplace Sexual Harassment.*

Presenter(s): Mikhail Rene
Faculty Mentor: Dr. David Chavez
Major: Psychology
Title: *The Benefits of Online vs. Offline Communities on Transgender Young Adults.*

Presenter(s): Jerin Reta
Faculty Mentor: Dr. Yolonda Youngs
Major: Geography
Title: *Environmental Justice Issues in the Navajo Nation: Water Resources, Land and Water Rights, and Ongoing Battles for Community Health and Resources.*

POSTER PRESENTATIONS

Presenter(s): Rachel Reyes
Faculty Mentor: Dr. Cari Goetz
Major: Psychology
Title: *Psychological Causes and Consequences of Reading Romantic Fiction in Women.*

Presenter(s): David Lopez Sanchez, Amanda Bailey, and Arlette Martinez
Faculty Mentor: Dr. Cynthia Crawford
Major: Psychology Science
Title: *Fentanyl and Morphine Cross-Sensitization in Adult and Adolescent Rats.*

Presenter(s): Lorena Rivera
Faculty Mentor: Dr. Karen Robinson
Major: Sociology
Title: *Racial/Ethnic Minority Parent Acceptance on LGBT Youth Disclosure.*

Presenter(s): Elias Rocha (*withdrawl*)
Faculty Mentor: Dr. Yolonda Youngs
Major: Geography and Environmental Studies
Title: *Environmental Inequality in Ontario, CA Caused by Warehouse Development.*

Presenter(s): Chloe Lucero
Faculty Mentor: Dr. Manijeh Badiee
Major: Psychology
Title: *Predictors of Resilience in Latinx College Students.*

Presenter(s): Michael Rubalcava
Faculty Mentor: Dr. Ryan W. Keating
Major: History
Title: *The Parameters of Race and Power in Early Virginia.*

Presenter(s): Alan Salcedo
Faculty Mentor: Dr. Claire Todd
Major: Environmental Studies
Title: *Understanding the Role of Debris Cover in Glacier Thinning: A Study on Emmons Glacier.*

Presenter(s): Tabitha Saldana
Faculty Mentor: Dr. Caroline Lim
Major: Psychology
Title: *Adverse Childhood Experiences & Symptom Severity in Schizophrenia*

Presenter(s): Maria Sanchez Valencia
Faculty Mentor: Dr. Nerea Marteache Solans
Major: Intelligence & Crime Analysis
Title: *Theft of Religious Art.*

Presenter(s): Kayla Seamoss
Faculty Mentor: Dr. Brittany Bloodhart
Major: Psychology
Title: *Examining the Relationship of Attitudes and Beliefs on Bystander Intervention in Intimate Partner Violence*

POSTER PRESENTATIONS

Presenter(s): Kenya Luna
Faculty Mentor: Dr. Jacob Jones
Major: Psychological Science
Title: *Cognitive Differences in Parkinson's Disease with Amyloid Beta Positivity and Negativity.*

Presenter(s): Kenya Luna and Yenny Valenzuela
Faculty Mentor: Dr. Jacob Jones
Major: Psychological Science
Title: *Inclusion and Diversity. "The Imperative Role the Black and Brown.*

Presenter(s): Michelle Markham
Faculty Mentor: Dr. Karen Robinson
Major: Sociology
Title: *Breaking Barriers: Exploring Obstacles and Success Factors for Underrepresented College Students.*

Presenter(s): Joseph Toland
Faculty Mentor: Dr. Kevin Rosales
Major: Psychology
Title: *Examining the Relationship between Executive Functions and Resilience.*

Presenter(s): Ruth Uribe-Kirby, Karla Herrera, and Alejandra Pawlak
Faculty Mentor: Dr. Jacob Jones
Major: Psychology
Title: *Can We Detect "Super-agers" in Parkinson's Disease?*

Presenter(s): Natalya Marsh
Faculty Mentor: Dr. Nicolas Brunet
Major: Psychology
Title: *Oculomotor Tracking Used as a Potential Biomarker to Diagnose Concussion.*

Presenter(s): Jessica Valencia, Magdalena Gonzales, and Alexandra Mora
Faculty Mentor: Dr. Leslia Amodeo
Major: Biological Psychology
Title: *Fluoxetine Withdrawal Effects on Circadian Rhythm, Working Memory, and Anxiety-Like Behaviors in Adolescent Rats*

Presenter(s): Daniel Webb
Faculty Mentor: Dr. Donna Garcia
Major: Psychology
Title: *Guilt in First-Generation Latine College Students*

Presenter(s): Gary Williams
Faculty Mentor: Dr. King-To Yeung
Major: Sociology
Title: *The Impact of Mental Health Outcomes on Men of Color in Higher Education.*

Presenter(s): Ignacio Aguilar Pelaez
Faculty Mentor: Dr. Jason Burke
Major: Social Work
Title: *What is the Readiness of Social Social Work Students to Work with Autistic Individuals?*

POSTER PRESENTATIONS

Presenter(s): Alexandra Aguirre and Sara Barillas

Faculty Mentor: Dr. Armando Barragan

Major: Social Work

Title: *Machismo: The Impact it has on Hispanic Male College Students Receiving Mental Health Service.*

Presenter(s): Alicia Alvarado and Eleno Zepeda

Faculty Mentor: Dr. Caroline Lim

Major: Social Work

Title: *Examining Experiences Among Social Worker Working with Parents Who Suffer from Substance Use Disorder.*

Presenter(s): Cassandra Barajas

Faculty Mentor: Dr. James Simon

Major: Social Work

Title: *COVID-19, Social Isolation, and MSW Student's Mental Health.*

Presenter(s): Elizabeth Barcenas

Faculty Mentor: Dr. Laurie Smith

Major: Social Work

Title: *Through the Lens of Families in Emergency Shelters and the Effectiveness into Stable Housing.*

Presenter(s): Jesus Barrientos

Faculty Mentor: Dr. Carolyn McAllister

Major: Social Work

Title: *The Disproportionate Impacts of Certain Factors that Differentiate the Amount of Mental Health Referrals of School A Compared to School B.*

Presenter(s): Shannon Beaumont

Faculty Mentor: Dr. Yawen Li

Major: Social Work

Title: *Correlation of Adverse Childhood Experiences and Somatic Pain.*

Presenter(s): Alyssa Bousquet and Amelia Murrillo

Faculty Mentor: Dr. Thomas Davis

Major: Social Work

Title: *Caregivers of Dialysis Patients.*

Presenter(s): Jaclyn Boyd and Denise Ojeda

Faculty Mentor: Dr. Yawen Li

Major: Social Work

Title: *Self-care Habits and Stress Levels Among County Social Workers on the Central Coast of California.*

Presenter(s): Arnold Briseno

Faculty Mentor: Dr. Carolyn McAllister

Major: Social Work

Title: *Gender Dysphoria in Adolescents: Models of Care*

Presenter(s): Britny Ragland

Faculty Mentor: Dr. Nicole Arkadie

Major: Social Work

Title: *Social Workers and Social Work students' knowledge of Commercially Sexually Exploited Children.*

POSTER PRESENTATIONS

Presenter(s): Abigail Camarce
Faculty Mentor: Dr. Yawen Li
Major: Social Work
Title: *The Effects of Parenting Styles on Communication Among Asian American Young a adults*

Presenter(s): Sydney Casey
Faculty Mentor: Dr. Teresa Morris
Major: Social Work
Title: *Barriers to and Facilitators of Care: Exploring How Low-Income Women Access Reproductive Healthcare in a Rural Community.*

Presenter(s): Amber Castro
Faculty Mentor: Dr. Nicole Arkadie
Major: Social Work
Title: *Client Perpetrated Violence and Safet Culture in Child Welfare: A Systematic Literature Review.*

Presenter(s): Eduardo Cedeno
Faculty Mentor: Dr. Carolyn McAllister
Major: Social Work
Title: *Accessibility of Services for Transgender Adolescents: A Child Welfare Perspective.*

Presenter(s): Deysee Chavez and Elisa Rodarte
Faculty Mentor: Dr. Nicole L. Arkadie
Major: Social Work
Title: *What are the Barriers to Seeking Psychotherapy Services Across Different Racial and Ethnic Groups?*

Presenter(s): Katrina Clarke
Faculty Mentor: Dr. Rigauld Joseph
Major: Social Work
Title: *Contributing Factors of Homelessness in the Coachella Valley.*

Presenter(s): Shayneskgua Colen and Amanda Garza
Faculty Mentor: Dr. Caroline Lim
Major: Social Work
Title: *Understanding Placement Instability among Pregnant Foster Youth: A Systematic Review.*

Presenter(s): Elizabeth Contreras
Faculty Mentor: Dr. Caroline Lim
Major: Social Work
Title: *Examining the Effectiveness of Psychosocial Interventions for Opioid Use Disorder: A Systematic Review.*

Presenter(s): Jordan Contreras
Faculty Mentor: Dr. Thomas Davis
Major: Social Work
Title: *Social Support and Alcoholism.*

Presenter(s): Garret Copeland
Faculty Mentor: Dr. Deirdre Lanesskog
Major: Social Work
Title: *Evaluation of Support Systems for Youth in Foster Care with Type-1 Diabetes.*

POSTER PRESENTATIONS

Presenter(s): Paula Crespín
Faculty Mentor: Dr. Laurie Smith
Major: Social Work
Title: *Social Workers' Preparedness for Practice with Patients Experiencing Psychotic Disorders.*

Presenter(s): Eloisa Deshazer
Faculty Mentor: Dr. Caroline Lim
Major: Social Work
Title: *Investigating the Level of Evidence of Adverse Childhood Experiences and Parenting Practices: A Systematic Review.*

Presenter(s): Nicole Dunlap
Faculty Mentor: Dr. Yawen Li
Major: Masters in Social Work
Title: *Beliefs and Attitudes Regarding Schizophrenia.*

Presenter(s): Charneka Edwards
Faculty Mentor: N/A
Major: Master in Social Work
Title: *Mental Help-seeking: Barriers Among the African Americans: The Roles of Technology in Addressing Those Barriers.*

Presenter(s): Marisol Espinoza Garcia and Christian Koeu
Faculty Mentor: Dr. Yawen Li
Major: Master of Social Work
Title: *The Relationship Between Role Models, Socioeconomic Mobility Beliefs and Educational Outcomes.*

Presenter(s): Maira Ferrer-Cabrera
Faculty Mentor: Dr. Armando Barragan
Major: Social Work
Title: *Treatment, not punishment: Youth experiences of psychiatric hospitalization*

Presenter(s): Indra Flores Silva and Jason Kwan
Faculty Mentor: Dr. Laurie Smith
Major: Social Work
Title: *Implementation of mental health services and curriculum in elementary-aged children*

Presenter(s): Sarah Frost
Faculty Mentor: Dr. Erik Schott
Major: Social Work
Title: *College Students Grieving Through COVID-19*

Presenter(s): Sandra Gallegos Reyes
Faculty Mentor: Dr. Yawen Li
Major: Social Work
Title: *Compassion Fatigue in STRTP Settings*

Presenter(s): Bonnie Galloway and Yasmeen Gonzalez-Ayala
Faculty Mentor: Dr. Caroline Lim
Major: Social Work
Title: *A Systematic Review on the Effectiveness of Gun Violence Restraining Order.*

POSTER PRESENTATIONS

Presenter(s): Johanna Garcia-Fernandez and Morgan Stokes
Faculty Mentor: Dr. Carolyn McAllister
Major: Social Work
Title: *Impact of School-Based Mental Health Services on Student Attendance at a Southern California School District.*

Presenter(s): Alexis Garcia and Daniela Mejia
Faculty Mentor: Dr. Armando Barragan
Major: Social Work
Title: *Stress and Help-Seeking in Farmworkers in the Coachella Valley.*

Presenter(s): Diana Garcia and Gabriela Munoz
Faculty Mentor: Dr. Deirdre Lanesskog
Major: Social Work
Title: *Parent Involvement and Educational Outcomes Among Latino Families.*

Presenter(s): Gloria Garcia
Faculty Mentor: Dr. Teresa Morris
Major: Social Work
Title: *Barriers to Gender-Affirming Care.*

Presenter(s): Unique Given
Faculty Mentor: Dr. Nicole Arkadie
Major: Social Work
Title: *Progression of Black Women in Tenure Ranked Positions.*

Presenter(s): Maria Godoy-Murillo
Faculty Mentor: Dr. Caroline Lim
Major: Social Work
Title: *Child Maltreatment Primary Prevention Methods in the U.S.: A Systematic Review.*

Presenter(s): Mitchell Greenwald
Faculty Mentor: Dr. Armando Barragan
Major: Social Work
Title: *Assessing and Meeting the Needs of Homeless Populations.*

Presenter(s): Micheal Griggs and Vianey Luna
Faculty Mentor: Dr. Tom Davis
Major: Social Work
Title: *Educational Parity In College In Prison Programs, Does It Exist?*

Presenter(s): DayJahne Haywood
Faculty Mentor: Dr. Nicole Arkadie
Major: Social Work
Title: *Surrogacy and its Effects on the Mental Health of the Gestational Carrier.*

Presenter(s): Ashley Hernandez and Maria Arias
Faculty Mentor: Dr. Yawen Li
Major: Social Work
Title: *Systematic Literature Review-Federal Pell Grant Effectiveness.*

POSTER PRESENTATIONS

Presenter(s): Timothy Hicks
Faculty Mentor: Dr. Yawen Li
Major: Social Work
Title: *Substance Use Treatment within the U.S. Prison System.*

Presenter(s): Savannah Hull
Faculty Mentor: Dr. Caroline Lim
Major: Intelligence and Crime Analysis
Title: *LGBTQ+ College Students Hopeful Future Expectations.*

Presenter(s): Miriam Jimenez
Faculty Mentor: Dr. Laurie Smith
Major: Social Work
Title: *An Insight of the Impact of Gaining Legal Status.*

Presenter(s): Tracie Johnson
Faculty Mentor: Dr. Nicole Arkadie
Major: Master in Social Work
Title: *Factors Affecting the Enrollment and Graduation Rate Amongst African American Males in the United States.*

Presenter(s): Cassidy Jones
Faculty Mentor: Dr. Caroline Lim
Major: Social Work
Title: *Systematic Review of Mental Health Challenges Among Maltreated Children.*

Presenter(s): Rachel Juedes
Faculty Mentor: Dr. Diedre Lanesskog
Major: Social Work
Title: *Protestant Church Workers' Knowledge of Child Abuse Reporting and Reporting Behavior.*

Presenter(s): Kathleen Knarreborg
Faculty Mentor: Dr. Yawen Li
Major: Social Work
Title: *Social Media Told Me I Have A Mental Illness.*

Presenter(s): Silvia Lozano and Bridgette Calderon
Faculty Mentor: Dr. Armando Barragan
Major: Social Work
Title: *The Cultural and Structural Barriers of Utilizing Mental Health Services in a School-Based Setting for Latinx?*

Presenter(s): Alexis McIntyre
Faculty Mentor: Dr. Laurie Smith
Major: Social Work
Title: *Non-Binary Identity Within Competency Training for Mental/Behavioral Health Providers: A Systematic Review.*

Presenter(s): Marissa Mejia and Diana Gallegos
Faculty Mentor: Dr. Eric Schott
Major: Social Work
Title: *Childhood Neglect and Incarceration as an Adult.*

Presenter(s): Sebastian Melendez Lopez
Faculty Mentor: Dr. Caroline Lim
Major: Social Work
Title: *Impact of Resource Scarcity on Undocumented Students.*

POSTER PRESENTATIONS

Presenter(s): Joanie Minion
Faculty Mentor: Dr. Armando Barragan
Major: Social Work
Title: *Study Exploring Feelings of Self-Blame and Shame Among Individuals Raised by Severely Mentally Ill.*

Presenter(s): Melissa Miro
Faculty Mentor: Dr. Carolyn McAllister
Major: Social Work
Title: *The Obstacles Facing Homeless Veterans With Mental Illness When Obtaining Housing.*

Presenter(s): Cristina Mosqueda
Faculty Mentor: Dr. Armando Barragan
Major: Master of Social Work
Title: *Students of Higher Education Receiving Supplemental Nutrition Assistance Program (SNAP) and its Impact.*

Presenter(s): Kailah Prince and Sierra Fields
Faculty Mentor: Dr. Yawen Li
Major: Social Work
Title: *The Barriers to Natural Outdoor Spaces: Perspectives from Individuals with Mobility Disabilities.*

Presenter(s): Daniela Ramirez-Ibarra
Faculty Mentor: Dr. Brooklyn Sapozhnikov
Major: Social Work
Title: *Art Therapy for Bereaved Siblings After Pediatric Cancer Death.*

Presenter(s): Andrea Ramirez and Denise Contreras
Faculty Mentor: Dr. Laurie Smith
Major: Social Work
Title: *The Invisible Mental Health Wounds that Veterans' Sustain.*

Presenter(s): Lonese Ramsey
Faculty Mentor: Dr. Thomas Davis
Major: Social Work
Title: *A Comparative Analysis of Body Modifications Biases in the Mental Health Field.*

Presenter(s): Carolina Rodriguez and Gabriela Gonzalez
Faculty Mentor: Dr. Erik Schott
Major: Social Work
Title: *Bridging Training Gaps: Assessing Knowledge and Confidence of Mental Health Interns in Opioid Misuse Intervention for School-Aged Children and Adolescents.*

Presenter(s): Emily Rodriguez and Yvette Torres
Faculty Mentor: Dr. Armando Barragan
Major: Psychology
Title: *Impact of Colton Joint Unified School District's Mental Health Counseling Services on Students' Academic Performance and Attendance.*

POSTER PRESENTATIONS

Presenter(s): Nicole Rodriguez
Faculty Mentor: Dr. Erik Schott
Major: Master of Social Work
Title: *Perceptions of Youth Athlete Safety Parents Vs. Directors.*

Presenter(s): Elizabeth Romberger
Faculty Mentor: Dr. Teresa Morris
Major: Master of Social Work
Title: *Spirituality and Recovery from Addiction: Experiences of Narcotics Anonymous Members.*

Presenter(s): Roxana Roxy and
Kassandra Mayorga
Faculty Mentor: Dr. Caroline Lim
Major: Master of Social Work
Title: *Former Foster Youth Educational Outcomes.*

Presenter(s): Nancy Salas and Brittany
Altuna
Faculty Mentor: Dr. Thomas Davis
Major: Social Work
Title: *Adverse Childhood Experience and Altruism: The Impact on Social Work as a Career Choice.*

Presenter(s): Amanda Sandhurst
Faculty Mentor: Dr. Tom Davis
Major: Master of Social Work
Title: *Major Factors of Sustaining Recovery After Relapse From a Substance Use Disorder.*

Presenter(s): Christopher Scott
Faculty Mentor: Dr. Caroline Li
Major: Social Work
Title: *Understanding The Perspective and Attitudes of 12-Step Participants Towards Medication-Assisted Treatment.*

Presenter(s): Robert Scott
Faculty Mentor: Dr. Yawen Li
Major: Master of Social Work
Title: *The Utilization of Music and Autonomous Sensory.*

Presenter(s): Lorena Sedano
Faculty Mentor: Dr. Erik Schott
Major: Social Work
Title: *The Aftermath of the Pandemic's Effect on College Student Depression*

Presenter(s): Caithlyn Snow
Faculty Mentor: Dr. Caroline Lim
Major: Environmental Studies
Title: *Examining the Pre- and Post-Care Experiences of Former Foster Youths: A Qualitative Study*

Presenter(s): Jasmine Soriana
Faculty Mentor: Dr. Caroline Lim
Major: Psychology
Title: *Adverse Childhood Experiences & Symptom Severity in Schizophrenia Factors That Contribute To Disparities To Mental Health Services Within Adults*

POSTER PRESENTATIONS

Presenter(s): Rebecca Sullivan-Oppenheim
Faculty Mentor: Dr. Laurie Smith
Major: Social Work
Title: *What barriers do social workers in foster care agencies see to creating supportive relationships between biological and foster parents?*

Presenter(s): Esther Thomas
Faculty Mentor: Dr. Deirdre Lanesskog
Major: Master of Social Work
Title: *Factors That Impact Foster Youths' High School Graduation.*

Presenter(s): Amanda Titone
Faculty Mentor: Dr. Brooklyn Sapozhnikov
Major: Social Work
Title: *Examining a Relationship Between Sexual Satisfaction and Child Maltreatment .*

Presenter(s): Leslie Torres and Angelica Huerta
Faculty Mentor: Dr. Armando Barragan
Major: Master of Social Work
Title: *The Present Struggles of Immigrant Farmworkers.*

Presenter(s): Stacey Trejo
Faculty Mentor: Dr. Laurie Smith
Major: Social Work
Title: *Stressors, Caffeine Consumption, and Mental Health Concerns Among College Students.*

Presenter(s): Marlene Ventura
Faculty Mentor: Dr. Yawen Li
Major: Social Work
Title: *Disparities Surrounding Availability of Feminine Hygiene in the Workplace.*

Presenter(s): Nancy Vieyra
Faculty Mentor: Dr. Erik Schott
Major: Social Work
Title: *Mental Health Treatment Help-Seeking Attitudes and Behaviors Among Latinx Community.*

Presenter(s): Gabby Walker and Sofia Alvarenga
Faculty Mentor: Dr. Laurie Smith
Major: Social Work
Title: *Justice-Involved Students: Perceptions of Using Support Services To Overcome Barriers.*

Presenter(s): Alexis Warye
Faculty Mentor: Dr. Deirdre Lanesskog
Major: Master of Social Work
Title: *The Knowledge Of Identifying And Reporting Child Abuse For Individuals Working With Children.*

Presenter(s): John Waterson
Faculty Mentor: Dr. Yawen Li
Major: Social Work
Title: *The Community Resiliency Model (CRM) Applied To Teacher's Well-Being.*

POSTER PRESENTATIONS

Presenter(s): Faith Weatheral-Block

Faculty Mentor: Dr. Joseph Rigaud

Major: Social Work

Title: *Addressing Rural Mental Health Crises: An Alternative to Police.*

Presenter(s): Lisa Jones-Wiertz

Faculty Mentor: Dr. Rigaud Joseph

Major: Master Social Work

Title: *Support Assisting Formerly Incarcerated Obtaining Degrees in Higher Education.*

Presenter(s): Omar Ramirez and Victoria Lopez

Faculty Mentor: Dr. Laurie Smith

Major: Master Social Work

Title: *How Did the COVID-19 Pandemic Impact Extended Foster Care Social Workers While Providing Social Services.*

Presenter(s): Ericah Thomas

Faculty Mentor: Dr. James Simon

Major: Master Social Work

Title: *Raising a Father: How Black American Dads Engage Fatherhood in the Absence of their Fathers.*

ORAL PRESENTATIONS

2:00PM - 5:30PM

SESSION 1

Time: 2:00PM- 3:15PM

Category: Machine Learning Data

Class: CGI 111

Presenter(s): Alexander Nguyen

Time: 2:00PM

Faculty Mentor: Dr. Youngsu Kim

Major: Computer Science

Title: *Machine Learning and Reinforcement.*

Presenter(s): Karen Bhor Giron

Time: 2:15PM

Faculty Mentor: Dr. Bilal M. Khan

Major: Computer Engineer

Title: *Exploring Wearable Interactive Technologies for Understanding and Assessing Autism Spectrum Disorder Through Machine Learning Analysis of Communication and Social Interaction.*

Presenter(s): Logan Ashbaugh

Time: 2:30PM

Faculty Mentor: Dr. Yan Zhang

Major: Computer Science

Title: *Sentiment Analysis On Customer Reviews with Deep Learning.*

Presenter(s): Pedro Felix

Time: 2:45PM

Faculty Mentor: Dr. Yan Zhang

Major: Computer Science

Title: *Investigating Public Opinion Sentiment towards Police Departments via Social Media.*

Presenter(s): David Vargas Monroy

Time: 3:00PM

Faculty Mentor: Dr. Yan Zhang

Major: Computer Science

Title: *Labeling Medical Notes with Deep Learning.*

SESSION 2

Time: 2:00PM - 2:45PM

Category: Advancements in Scientific Analysis

Class: CGI 112

Presenter(s): Luke Van Hoosen

Time: 2:00PM

Faculty Mentor: Dr. Joyce Pham

Major: Chemistry

Title: *Crystal Structure of Zn-Metalated TetratolyPorphyrin[TTP].*

Presenter(s): Juan Gonazalez-Ruiz

Time: 2:15PM

Faculty Mentor: Dr. Katy Wimberly

Major: Physics

Title: *Charting the Milky Way's Halo: Cataloging RR Lyrae Radial Velocities.*

Presenter(s): Aaron Massey

Time: 2:30PM

Faculty Mentor: Dr. Dongwook Lee

Major: Mathematics

Title: *Machine Learning-Based Shock-Capturing in Computational Fluid Dynamics.*

ORAL PRESENTATIONS

SESSION 3

Time: 2:00PM - 2:45PM
Category: Community Engagement and Sustainable Design
Class: CGI 113

Presenter(s): Dea Armstrong
Time: 2:00PM
Faculty Mentor: Dr. Eric Mulz
Major: Theater Arts
Title: *Acknowledging and Refining Skills Through The Community of Theater.*

Presenter(s): Kimberly Lievano
Time: 2:15PM
Faculty Mentor: Dr. Andrew Oakes
Major: Graphic Design
Title: *Creating Sustainable Design: How is Sustainable Design Effective for Society and the Environment.*

Presenter(s): Alberto Rendon
Time: 2:30PM
Faculty Mentor: Dr. Mihaela Popescu
Major: Communication
Title: *The Social and Educational Impacts of Anime on Fans.*

SESSION 4

Time: 2:00PM - 3:45PM
Category: Diversity and Inclusion
Class: CGI 114

Presenter(s): Sarina Saucedo
Time: 2:00PM
Faculty Mentor: Dr. Stacy Morris
Major: Child Development
Title: *First Year Experiences of LGBTQ+ Students.*

Presenter(s): Jessica Swan-Prung
Time: 2:15PM
Faculty Mentor: Dr. Brittany Bloodhart
Major: Psychology
Title: *Women in STEM and Parental Influence Using Expectancy-Value-Cost Theory.*

Presenter(s): Eric Tafoya
Time: 2:30PM
Faculty Mentor: Dr. Roberto Rivera
Major: Sociology
Title: *Inclusion and Diversity: "The Imperative Role the Black and Brown.*

Presenter(s): Jasmine Ramirez
Time: 2:45PM
Faculty Mentor: Dr Manijeh Badiee
Major: Psychology
Title: *Predictions of Residence for Members of the Lesbian, Gay, Bisexual, Transgender, and Queer" Community.*

ORAL PRESENTATIONS

Presenter(s): Victoria Smith
Time: 3:00PM
Faculty Mentor: Dr. Maria Santos
Major: Bio-Psychology
Title: *Family Support as it Relates to Treatment Engagement for Latinx Patients with First-Episode Psychosis.*

Presenter(s): Gary Williams
Time: 3:30PM
Faculty Mentor: Dr. King-To Yeung
Major: Sociology
Title: *The Impact of Mental Health Outcomes on Men of Color in Higher Education.*

SESSION 5

Time: 2:00PM - 3:45PM
Category: Health Disparities and Social Justice
Class: CGI 115

Presenter(s): Reymundo Alatorre, David Ilie, and Cheyenne Ward
Time: 2:00PM
Faculty Mentor: Dr. Benjamin Joseph Becerra
Major: Intelligence and Crime Analysis
Title: *Sleep Apnea Implications of Juvenile Health Conditions.*

Presenter(s): Del Gerard
Time: 2:15PM
Faculty Mentor: Dr. Michelle Russen
Major: Entrepreneur
Title: *Blacks At The Top: Understanding Barriers and Facilitators to Hospitality Leadership.*

Presenter(s): Raf Marc Flores and Saul Jerry Mota
Time: 2:30PM
Faculty Mentor: Dr. Benjamin Becerra
Major: Mathematics
Title: *Mental Health and Cannabis Use Among Arrested Individuals.*

Presenter(s): Karim Algabarty
Time: 2:45PM
Faculty Mentor: Dr. Michelle Russen
Major: Entrepreneurship and Innovation
Title: *A Systematic Literature Review: The Adoption of Automation and Robotics in the Food and Beverage Industry.*

Presenter(s): Ramtin Ranjpour
Time: 3:00PM
Faculty Mentor: Dr. Theo Mazumdar
Major: Communication Studies
Title: *Empowering Change Beyond Finance.*

Presenter(s): Sofia Ruiz-Plasencia and Erika Coronado
Time: 3:30PM
Faculty Mentor: Dr. Benjamin Becerra
Major: Marketing
Title: *Access to Substance Abuse Treatment Among Minorities.*

ORAL PRESENTATIONS

SESSION 6

Time: 2:00PM - 2:45PM

Category: Healthcare Access and Community Health

Class: CGI 211

Presenter(s): Julia Ruiz

Time: 2:00PM

Faculty Mentor: Dr. Wagner Prado

Major: Kinesiology

Title: *Development of the CSUSB Youth Weight Management program: A community-based Approach.*

Presenter(s): Iabella Terrazas, Moris Cabrera, and Steven Carlston

Time: 2:15PM

Faculty Mentor: Dr. Benjamin Becerra

Major: Applied Mathematics

Title: *Factors that Affect People Not Having Healthcare Access Due to Lack of Transportation.*

Presenter(s): Talia Sinkfield

Time: 2:30PM

Faculty Mentor: Dr. King-To Yeung

Major: Sociology

Title: *Health Care and Pregnancy with African American Women.*

SESSION 7

Time: 2:00PM - 3:15PM

Category: Biomedical Research and Molecular Biology

Class: CGI 212

Presenter(s): Monserratt Garcia

Time: 2:00PM

Faculty Mentor: Dr. Jeremy Mallari

Major: Biochemistry

Title: *The Development of Inhibitors Used to Target Falcilysin (FLN) in the Human Parasite, Plasmodium Falciparum.*

Presenter(s): Celeste Padilla

Time: 2:15PM

Faculty Mentor: Dr. Laura Newcomb

Major: Biological Sciences

Title: *Transcriptome Analysis of Novel Feline Macrophage Cell Lines in Response to Feline Coronavirus.*

Presenter(s): Isabel Zaragoza and Manuel Robledo

Time: 2:30PM

Faculty Mentor: Dr. David Rhoads

Major: Biology

Title: *Microbial Genomics: Putative Agrobacterium Genes for Arginine Synthesis in E.coli.*

Presenter(s): Alfredo Ruiz Rivera

Time: 2:45PM

Faculty Mentor: Dr. Jason Burke

Major: Biochemistry

Title: *Unraveling the Effects of Cancer-Associated Missense Mutations in the Retinoblastoma Protein.*

ORAL PRESENTATIONS

Presenter(s): Michael Zepeda
Time: 3:00PM
Faculty Mentor: Dr. Nicole Bournias
Major: Biology
Title: *Toxicity analysis of Nicotine Exposure to Drosophila Melanogaster Cell Lines Using Automated Inverted Microscopy.*

SESSION 8

Time: 2:00PM - 3:15PM
Category: Environmental Justice
Class: CGI 215

Presenter(s): Christopher Aguirre (*withdrew*)
Time: 2:00PM
Faculty Mentor: Dr. Roberto Rivera
Major: Sociology
Title: *Greed In America Leads to Crime.*

Presenter(s): Angel Richard
Time: 2:15PM
Faculty Mentor: Dr. Jennifer Alford
Major: Social Science and Globalization
Title: *Flowing Towards Equity: Addressing Water Justice in Southern California's Underserved Communities.*

Presenter(s): Rosio Rodriguez
Time: 2:30PM
Faculty Mentor: Dr. King-To Yeung
Major: Sociology
Title: *The Effects of Different Welfare Regimes on Individual's Subjective Well-being.*

Presenter(s): Jamilia Howell
Time: 2:45PM
Faculty Mentor: Dr. Jennifer Alford
Major: Environmental Studies
Title: *Exploration: Wildlife.*

Presenter(s): Isabel Cervantes, Lorraine Lopez, and Raquel Guerrero
Time: 3:00PM
Faculty Mentor: Dr. Nerea Marteache Solans
Major: Intelligence and Crime Analysis
Title: *Female Passengers and Microaggressions on Public Transportation.*

SESSION 9

Time: 4:00PM - 5:30PM
Category: Ecology and Environmental Impacts
Class: CGI 111

Presenter(s): Sayeeda Mostafa and Cindy Mercado
Time: 4:00PM
Faculty Mentor: Dr. Xiaoxu Jiang
Major: Biochemistry
Title: *Tracking the Movements of Transporters: A Method Combining PEGylation and GFP Fluorescence.*

Presenter(s): Katherine Bartels
Time: 4:15PM
Faculty Mentor: Dr. Becky Talyn
Major: Biology
Title: *The Effects of Roundup Super Concentrate on Drosophila Melanogaster Activity.*

ORAL PRESENTATIONS

Presenter(s): Amelie Carballo

Time: 4:30PM

Faculty Mentor: Dr. Becky Talyn

Major: Environmental Studies

Title: *Do Drosophila Melanogaster Avoid Laying Eggs in Glyphosate-Based Herbicide-Contaminated Environments?*

Presenter(s): Stephanie Ruck

Time: 4:45PM

Faculty Mentor: Dr. Bree Putman

Major: Biology

Title: *Organismal Impacts of a Flammable Future: Response of the Western Fence Lizard (Sceloporus occidentalis) in Wildfire-affected Habitats.*

Presenter(s): Chloe Saldana

Time: 5:0-PM

Faculty Mentor: Dr. Joseph Heras

Major: Biology

Title: *Comparative Analysis of the Gut of Marine Intertidal Pricklebacks (family: Stichaeidae) for Accumulation of Microplastics.*

Presenter(s): Daisy Xiong

Time: 5:15PM

Faculty Mentor: Dr. Angela Horner

Major: Biology

Title: *City Sprints: Urbanization Impact on Locomotor Performance in Western Fence Lizards (Sceloporus occidentalis).*

SESSION 10

Time: 4:00PM- 5:30PM

Category: Education and Learning

Class: CGI 112

Presenter(s): Jillian Anderson and Rachey Reyes

Time: 4:00PM

Faculty Mentor: D. Anahid Modrek

Major: General Psychology

Title: *The Dynamic Dualism Between Children as Learners Versus Children as Teachers.*

Presenter(s): Jonathan Martinez

Time: 4:15PM

Faculty Mentor: Dr. Jason Reimer

Major: Psychology

Title: *Manipulating Proactive and Reactive Control using Ocular Measures.*

Presenter(s): Maylin Bradley and Jacqueline Arcayena

Time: 4:30PM

Faculty Mentor: Dr. Yawen Li

Major: Nursing

Title: *Developing A Measurement To Assess Dynamic Capability Of Adult Day Services.*

Presenter(s): Rossandra Martinez

Time: 5:00PM

Faculty Mentor: Dr. Jeremy Murray

Major: History

Title: *Graduate Equity Fellowship/Attending a Conference for the First Time.*

ORAL PRESENTATIONS

Presenter(s): Eric Tofoya

Time: 5:15PM

Faculty Mentor: Dr. King-To Yeung

Major: Sociology

Title: *The Role Higher Education Plays on Lowering the Recidivism Rate, Enhancing Relationships, Greater Economic Status, and Become a Productive Member in Society.*

SESSION 11

Time: 4:00PM - 5:15PM

Category: Education and Lifelong Learning

Class: CGI 113

Presenter(s): Arianna Perez-Estrella

Time: 4:00PM

Faculty Mentor: Dr. Hosung So

Major: Kinesology

Title: *The Role of Physical Activity In Young Adults and Seniors.*

Presenter(s): Michelle Markham

Time: 4:15PM

Faculty Mentor: Dr. Karen Robinson

Major: Sociology

Title: *Breaking Barriers: Exploring Obstacles and Success Factors for Underrepresented College Students.*

Presenter(s): Teresa Iribe-Arroyo

Time: 4:30PM

Faculty Mentor: Dr. Karen Robinson

Major: Sociology

Title: *What Now? The Experiences of Undocumented Students After Graduation.*

Presenter(s): Marissa Montanez, Brianna Mendoza, and MaKelsey Sibille

Time: 4:45PM

Faculty Mentor: Dr. Jonathan Robinson Anthony

Major: Speech-Language Pathology

Title: *The Cognate Effect: A Review of Research Using the Crosslinguistic Overlap Scale for Phonology.*

Presenter(s): David Lara Catalan

Time: 5:00PM

Faculty Mentor: N/A

Major: Educational Leadership

Title: *The Importance of Critical Thinking and a Community of Inquiry.*

SESSION 12

Time: 4:00PM - 5:30PM

Category: Fitness and Performance Analysis

Class: CGI 114

Presenter(s): Angela Haven Barandino

Time: 4:00PM

Faculty Mentor: Dr. Jason Ng

Major: Kinesiology

Title: *Relationship Between Hydration State and Sweat Rate in Female Division II Athletes During a Team Training Session.*

Presenter(s): Justin Castillo

Time: 4:15PM

Faculty Mentor: Dr. Wagner Prado

Major: Kinesiology

Title: *Correlation Between Fitness Components and Academic Performance in College Students: A Cross-Sectional Study.*

ORAL PRESENTATIONS

Presenter(s): Daniela Ferreras

Time: 4:30PM

Faculty Mentor: Dr. Jason Ng

Major: Kinesiology

Title: *Correlation Between Pre-Exercise Hydration Status and Heart Rate of Female Division II Collegiate Distance Runners During a Training Session.*

Presenter(s): Alma Martinez

Time: 4:45PM

Faculty Mentor: Dr. Jason Ng

Major: Kinesiology

Title: *Relationship Among Body Characteristics and Sweat Rate During a Training Session in DII Female Collegiate Track and Field Athletes.*

Presenter(s): Tamara Rodriguez

Time: 5:00PM

Faculty Mentor: Dr. April Karlinsky

Major: Kinesiology

Title: *Investigating The Effects of Training and Hydration Status on Mood in DII Female Collegiate Track and Field Athletes.*

Presenter(s): Sarah Saldana

Time: 5:15PM

Faculty Mentor: Dr. Jason Ng

Major: Kinesiology

Title: *Correlation Between Hydration Status and Fluid Intake During Physical Training of Division II Female Track and Field Athletes.*

SESSION 13

Time: 4:00PM - 5:30PM

Category: Intersectionality and Cultural Studies

Class: CGI 115

Presenter(s): Stephanie Alfonso

Time: 4:00PM

Faculty Mentor: Dr. Thomas Corrigan

Major: Communication Studies

Title: *Community Media Coalitions: Best Practices to Support a Healthy Local News Ecosystem.*

Presenter(s): Deaquinita Hill

Time: 4:15PM

Faculty Mentor: Dr. Mariam Betlemidze

Major: Communication

Title: *Examining the Intersectionality of Women of Color in Feminism: A Study of Accommodation Theory.*

Presenter(s): Serenity Chavez

Time: 4:30PM

Faculty Mentor: Dr. Kaitlyn Creasy

Major: Philosophy

Title: *Beyond Singer's Anti-Speciesism and Toward a More Inclusive Environmental Ethics.*

Presenter(s): Ash Goar

Time: 4:45PM

Faculty Mentor: Dr. David Marshall

Major: English

Title: *From Dragons to Lesbians: The Fantasy Genre, Queer Theory, and Progressivism.*

ORAL PRESENTATIONS

Presenter(s): Cristian Keroles
Time: 5:00PM
Faculty Mentor: N/A
Major: Philosophy
Title: *Am I an enduring object?*

Presenter(s): Felix Sanchez
Time: 5:15PM
Faculty Mentor: Dr. Matthew Davidson
Major: Philosophy
Title: *Reconsidering Strategies for Stage II Cosmological Arguments.*

SESSION 14

Time: 4:00PM - 5:30PM
Category: Mental Health and Well-being
Class: CGI 211

Presenter(s): Deven Landeros
Time: 4:00PM
Faculty Mentor: Dr. Eugene Wong
Major: Child Development - Early Childhood Education
Title: *The Plasticity of the Mind: Can Cognitive Training Improve Working Memory in At-Risk Students?*

Presenter(s): Rachel Reyes
Time: 4:15PM
Faculty Mentor: Dr. Cari Goetz
Major: Psychology
Title: *Psychological Causes and Consequences of Reading Romantic Fiction in Women.*

Presenter(s): Joseph Toland
Time: 4:30PM
Faculty Mentor: Dr. Kevin Rosales
Major: Psychology
Title: *Examining the Relationship between Executive Functions and Resilience.*

Presenter(s): Negin Ghaffari
Time: 4:45PM
Faculty Mentor: Dr. Christina Hassija
Major: Psychology
Title: *Resiliency Effects on Eating Habits and Adverse Childhood Experiences.*

Presenter(s): Luis Gonzalaz, Stephanie Gomez, and Kimberly Guerrero Leon
Time: 5:00PM
Faculty Mentor: Dr Leslie Amodeo
Major: Psychology
Title: *Changes in Circadian Rhythm and 24h Activity Patterns After Initial and Continuous Fluoxetine Exposure in Adolescent Rats.*

Presenter(s): David Lopez Sanchez, Amanda Bailey, and Arlette Martinez
Time: 5:15PM
Faculty Mentor: Dr. Cynthia Crawford
Major: Psychology
Title: *Fentanyl and Morphine Cross-sensitization in Adult and Adolescent Rats.*

ORAL PRESENTATIONS

SESSION 15

Time: 4:00PM - 5:15PM

Category: Neurodevelopmental and Physiological Studies

Class: CGI 212

Presenter(s): Tulasi Albano and Gabriel Gomez

Time: 4:00PM

Faculty Mentor: Dr. Venkata Naga Pradeep Ambati

Major: Kinesiology

Title: *Review of Motor Issues in Autism Spectrum Disorder.*

Presenter(s): Morgan Martin

Time: 4:15PM

Faculty Mentor: Dr. Wagner Prado

Major: Kinesiology

Title: *Are the Effects of High-intensity Interval Exercise on Executive Function, Mental Health, and Mood Obesity-dependent?*

Presenter(s): Eileen Nunez-Ortiz

Time: 4:30PM

Faculty Mentor: Dr. April Karlinsky

Major: Kinesiology

Title: *Contrast Effects Emerge When Rating Body Types of Individuals Presented with Peers.*

Presenter(s): Brenda Villegas

Time: 4:35PM

Faculty Mentor: Dr. Jeremy Dodsworth, Dr. Anna Zelaya

Major: Biology

Title: *Artificial Sweeteners Effect on Growth of Escherichia Coli HB101.*

Presenter(s): Megan Mirolla

Time: 5:00PM

Faculty Mentor: Dr. Dorothy Chen-Maynard

Major: Nutritional Science and Dietetics

Title: *A Review of Sleep and the Physiological and Metabolic Impacts of Sleep Disturbance.*

SESSION 16

Time: 4:00PM - 5:30PM

Category: Social Justice and Equity

Class: CGI 215

Presenter(s): Rene Perez

Time: 4:00PM

Faculty Mentor: Dr. King-To Yeung

Major: Sociology

Title: *Perceptions Of Minorities Towards Police.*

Presenter(s): Shaniya Trotter

Time: 4:15PM

Faculty Mentor: Dr. Karen Robinson

Major: Sociology

Title: *Black Men and Women's Perceptions of Each Other.*

Presenter(s): Brittnei Hill

Time: 4:30PM

Faculty Mentor: Dr. King To Yeung

Major: Social Psychology

Title: *A State Level Examination of Mass Shootings Rates.*

ORAL PRESENTATIONS

Presenter(s): Mariano Peinado

Time: 4:45PM

Faculty Mentor: Dr. Jose Munoz

Major: History

Title: *Justice Reynoso and His Career
Defending Civil Rights.*

Presenter(s): Derik Rutherford

Time: 5:00PM

Faculty Mentor: Dr. John David Reitzel

Major: Criminal Justice

Title: *Re-Imagine Policing.*

Presenter(s): Kierston Viramontes

Time: 5:15PM

Faculty Mentor: Dr. Nerea Marteache

Major: Criminal Justice

Title: *Attitudes of California Fish &
Wildlife Game Wardens on the Criminal
Justice System.*

ART EXHIBITS

Presenter(s): Frankie Gutierrez
Faculty Mentor: Dr. Alison Ragguette
Major: Studio Arts
Title: *Things That Are Long .*

Presenter(s): Jovanna Moya
Faculty Mentor: Dr. Sadie Kingsbury
Major: Studio Arts
Title: *A Journey Through Time with an Artist: An Interdisciplinary Approach to Teaching Earth History.*

Presenter(s): Nancy Ocegueda
Faculty Mentor: Dr. Bradley Spence
Major: Fine Arts
Title: *Demasiada.*

Presenter(s): Andrea Ramirez and Denise Contreras
Faculty Mentor: Dr. Laurie Smith
Major: Social Work
Title: *The Invisible Mental Health Wounds that Veterans' Sustain.*

VOLUNTEERS

Thank you to all the student volunteers who contributed their time and efforts to make Research Week a success !

Alexis Hernandez
Amanda Plunkett
Dominique Wheeler
Elizabeth Arias
Elmer Gutierrez
Evelyn Olive
Gabby Vazquez
Gema Arreguin
Hetvi Patel
Jasmin Salgado
Jeevan Sai Gali
Katherine Critchfield
Laxman Kumar Busetty
Lusine Hayrapetyan
Michael A Critchfield
Morgan Glenn Wild
Nasir Harris
Paola Perez Silva
Paulette Garces
Shreyas Anamanapudi
Tendulkar Mahadevan
Timothy James Garcia
Vinay Lingam
Xochitl Escamilla

MEET THE OSR



Dr. Cynthia Crawford
Interim Provost of Academic Research



Dr. Ryan Keating
Faculty Director



Danielle White
Program Manager



Jessica Carrillo
Program Assistant

FACULTY FELLOW



Dr. José Muñoz
Assistant Dean of Student Success
College of Social and Behavioral Sciences