

Spring 2022

NEWSLETTER



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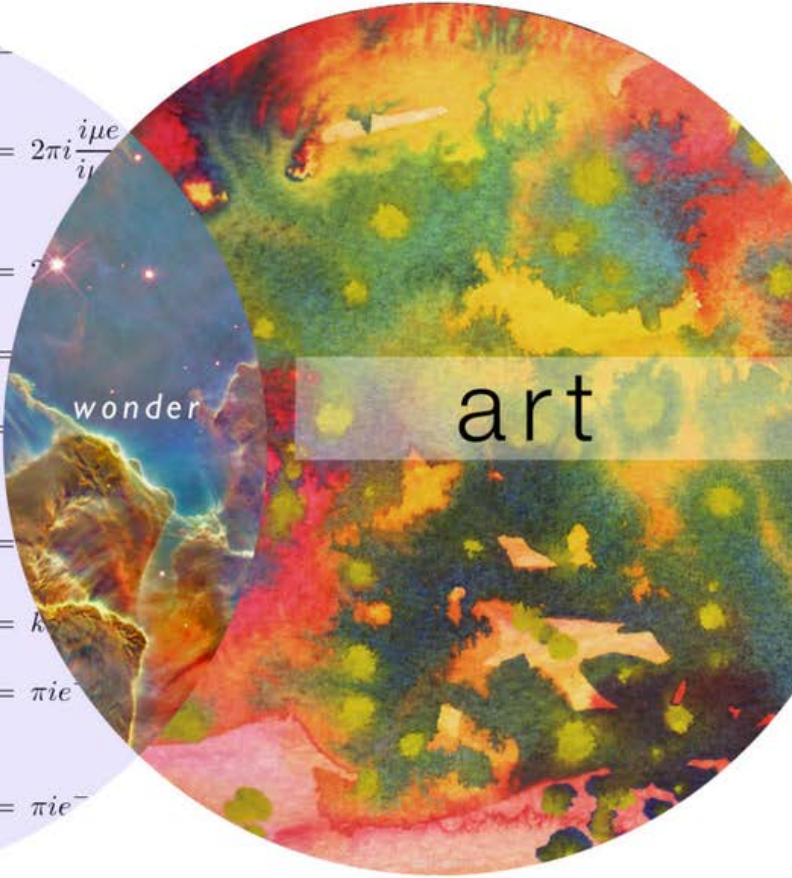
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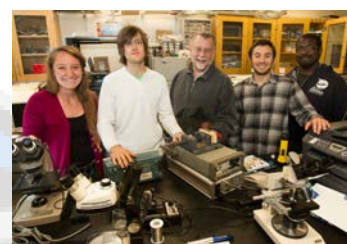
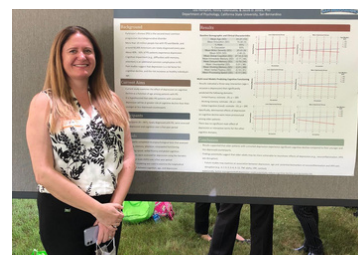


Office of Student Research

NEWSLETTER

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WELCOME



Ryan W. Keating, Ph.D.
 Director, Office of Student Research
 Interim Chair, Department of History
 MMUF, Coordinator
 Professor of History



As we conclude the 2021-2022 academic year, the Office of Student Research (OSR) would like to congratulate all of the students, faculty, and staff at CSUSB on another incredibly productive and successful year. We are grateful for your support of our office, and the students and faculty we serve, and we look forward to continuing to supporting the ever-growing number of CSUSB students as they engage in research, scholarly, and creative activities during their time on our campus.

This has been an exceptional year and time for our campus, community, and country. As we emerge from the pandemic and return to campus, I find myself continually in awe of the stories of resilience, strength, courage, and community that have defined your experiences over the past two years. In spite of these many hurdles, CSUSB students and faculty continued to pursue their research and the OSR was able to support the many of the research and creative activities of our undergraduate and graduate students. This past year, more than 160 students presented their work at our virtual 11th annual 'Meeting of the Minds' Student Research Symposium, forty-two students participated in the CSUSB Student Research Competition and one of those students, Brittany Mondragon (p. 16) went on to win first place at the CSU System Wide Student Research Competition at San Francisco State University.

The continuation of research, scholarly, and creative activities—and the ways in which our students and faculty found dynamic ways to continue their work in spite of various restrictions and lack of access—speaks to the level of dedication and commitment that you all have to your work, your peers and mentors, and this campus. I am humbled by the perseverance of our campus community and daily in awe of the amazing work that you are all engaging in. I look forward to continuing to celebrate your successes in the years to come!

Have a great summer break,

Dr. Ryan Keating

Office of Student Research

Faculty Mentors

CSUSB faculty have continuously shown their commitment to their students in numerous ways. Thank you to the mentors who have continued to guide their students' curiosity throughout the academic year.

Dr. Ahlam Muhtaseb
Dr. Alison Rauggette
Dr. Amanda Rymal
Dr. Andreas Beyersdorf
Dr. Angela Horner
Dr. Arianna Huhn
Dr. Becky Talyn
Dr. Benjamin Becerra
Dr. Bibiana Rodríguez Diaz
Dr. Bradley Spence
Dr. Brett Nelson
Dr. Brittany Bloodhart
Dr. Christina Hassija
Dr. Christopher Hill
Dr. Cynthia Crawford
Dr. Daniel Palm
Dr. David Chavez
Dr. David Marshall
Dr. David Rhoads
Dr. David Marshall
Dr. Deirdre Lanesskog
Dr. Dionisio Amodeo
Dr. Donna Garcia
Dr. Ethel Nicdao
Dr. Eugene Wong
Dr. Fabian Borges Herrero
Dr. Guillermo Escalante
Dr. Hareem Khan
Dr. Herbert Shon
Dr. Hideya Koshino
Dr. Ismael Diaz
Dr. Jacob Jones
Dr. Jacqueline Romano
Dr. James Ferrari

Dr. Jane Chin Davidson
Dr. Jason Ng
Dr. Jason Reimer
Dr. Jennifer Alford
Dr. Jeremy Mallari
Dr. John Clapper
Dr. Jose Munoz
Dr. Julie Taylor
Dr. Karen Escalante
Dr. Karen Rowan
Dr. Kate Liszka
Dr. Kate Simonian
Dr. Kathryn Ervin
Dr. Kelly Campbell
Dr. Kimberly Cousins
Dr. Kirstyn Hansen
Dr. Laura Newcomb
Dr. Leslie Amodeo
Dr. Mahmood Nikbakhtzadeh
Dr. Maria Santos
Dr. Mariam Betlemidze
Dr. Mark Agars
Dr. Michael Lewin
Dr. Miranda McIntyre
Dr. Monideepa Becerra
Dr. Nasrin Mohabbati
Dr. Nerea Marteache Solans
Dr. Nicole Bournias-Vardiabasis
Dr. Nicole Dabbs
Dr. Nicole Henley
Dr. Paloma Villegas
Dr. Pedro Santoni

Dr. Rajrani Kalra
Dr. Renwu 'John' Zhang
Dr. Robert Nelson
Dr. Roderick O'Handley
Dr. Ryan Keating
Dr. Sarah Dunn
Dr. Shyra Harris
Dr. Thomas Corrigan
Dr. Tomasz Owerkowicz
Dr. Yawen Li





Dr. Mariam Betlemidze, Associate Professor
Department of Communication Studies

Each year, the OSR recognizes a faculty member who has shown exemplary work and mentoring achievements in their field and among the Coyote pack. This year we would like to highlight the work of Dr. Mariam Betlemidze, an associate professor in the Department of Communication Studies.

1. Tell us about yourself! What inspired you to study Communication, Gender & Media and go into academia?

I never envisioned myself as a professor because I was so devoted to my work as a journalist in my home country. But, then Russia tried to invade my home country in August of 2008. I saw people die, lose everything, and the divide between people grow along the ethnic and national lines. Furthermore, I wanted to understand how media and communication can heal and create a positive social change in war-ridden regions. So, following persistent nudges from some of my colleagues, I applied for the U.S. State Department Funded Edmund Muskie Fellowship program and was surprisingly awarded the fellowship. I got invited to the MA program in Communication at the University of Utah. After my MA, the department encouraged me to apply for their Ph.D. program and to teach journalism classes there. I wanted to take more doctoral classes and do research, so I stayed and I am still as eager to learn and participate in knowledge production as I was prior to getting my doctoral degree.

2. Where did you attend graduate school?

Department of Communication at the University of Utah, 2010-2012 - MA; 2012-2016 - PhD

3. Tell us about your research interests and your current work at CSUSB

My most recent work focuses on de-whitening intersectionality through the lenses of decoloniality, social justice, and affect theory. My previous scholarly contributions included new materialist feminism, poststructuralist media theory, social change, and multimedia journalism.

4. What advice do you have for students with similar research and professional interests?

If I learned anything from my six years of teaching at CSUSB, it is that there is a district need to heal, validate, encourage, and instill a sense of belonging, as well as a hope for a better future. All this can only be possible if we are not afraid to go beyond boundaries in our thinking, research, and literally by moving across the physical borders too. Bell Hooks called it Liberatory practice, a practice of freedom that is possible through transgressions.

5. Tell us one fun or unique fact about yourself!

I am super excited to be traveling to Paris, France next week for the International Communication Association (ICA) conference with three of my graduate students: Alexia B. Martinez, Ariel Newell, and Malika Bratton.

Together with Alexia and Ariel, I organized two panels on the topic of intersectionality at ICA. Both panels were competitively selected. All three MA students have successfully secured travel funding from OSR and the Office of Graduate Studies. I am extremely grateful to Drs. Ryan Keating, Caroline Vickers, Dorothea Huizinga, T.C. Corrigan, and OSR staff members Ms. Sara Valdez and Ms. Danielle White for helping to resolve international travel paperwork challenges.



Left to right: Alyx Duckering, Xavier Resendez, Stephanie Alfonso

The CRA program is made up of a diverse group of exceptional students with experience in research and creative activities. Ambassadors work to inspire broader engagement in research and creative activity by educating and serving the CSUSB campus community. Since its launch, CRAs have reached thousands of students and faculty across all colleges through their attendance of campus-wide events, such as the CSUSB Student Research Competition and by hosting events such as Coyote Research Talks Live (CRTL), and by participating in advising of students looking to get involved in research or apply for grants and graduate programs, class presentations about their research journey, and development and participation in OSR workshops.

CRAs

Student: Alyx Duckering
College: Social & Behavioral Sciences
Major: Clinical Counseling Psychology
Level: Graduate

Student: Xavier Resendez
College: Social & Behavioral Sciences
Major: History
Level: Undergraduate

Student: Stephanie Alfonso
College: Arts & Letters
Major: Communication
Level: Undergraduate

Request a CRA Presentation

Available for in-class and Zoom presentations, workshops, talks, etc. We offer a variety of topics, including steps to getting involved in research, finding a faculty mentor, grant and program applications, & more.

Request a CRA Advising Appointment or Class Presentation [here](#), or email us today! osr@csusb.edu

Outstanding Graduate Student Researcher Award

Each year, the OSR recognizes undergraduate and graduate students who have shown exemplary scholastic and research achievements in their field of study. Faculty from each college nominate their top students and the OSR Awards Committee select the award winners.

This year, the OSR acknowledged an outstanding undergraduate and graduate student during our 5th Annual "Research Week". Each student was given the opportunity to present their research during the "*Meeting of the Minds*", Student Research Symposium and the Faculty Mentors and Student Researchers Recognition Luncheon.



Melody Robinson
Psychological Sciences

Melody Robinson, is an graduate student in the College of Social and Behavioral Sciences, an alumna of Crafton Hills College and California State University, San Bernardino. She is currently completing her master's in Psychological Science. Her master's thesis is focused on women's experiences with sexual violence, including their feelings of self-blame, shame, and mental health difficulties. Much of her research is conducted within diverse areas such as LGBTQ+ community health, mental health treatment equity, and trauma experiences within at-risk communities. She also has volunteer experience working with foster and special needs youth and as a sexual assault crisis advocate within San Bernardino County. At a university level, she presently serves as the Institutional Review Board's student representative, tutors writing within the College of Social and Behavioral Sciences, and teaches two lab

sections for undergraduate psychological statistics. She hopes to continue research to help inform trauma services within marginalized communities who have historically faced difficulty accessing adequate treatment and support. She is also interested in conducting research that explores survivors' feelings of shame and self-compassion in order to promote healing after violence. As both a researcher and community advocate, she hopes to combat the pervasive stigma still attributed to sexual violence today. She will be continuing her education as a clinical psychology Ph.D. student at the University of Tulsa in Fall 2022.

1. Tell us about yourself! Where did you grow up? What influenced you to pursue your field of study?

I grew up on both ends of the U.S. I lived in Highland locally to attend school, but I also spent time in Westchester County, NY. I struggled in school until community college at Crafton Hills, where I finally found an interest in psychotherapy and psychological research. As a queer person, I became really interested in LGBTQ+ centered topics in research and trauma.

2. Tell us about your research interests and involvement in research at CSUSB?

I am especially interested in conducting research that explores diverse survivors' feelings of shame and self-compassion in order to promote healing after violence. To build my understanding of these topics, I tailored my master's thesis to focus on women's experiences with sexual violence, including their feelings of self-blame, shame, and mental health difficulties. I also joined various labs within the psychology department so I could practice presenting, collecting data, and reviewing literature on mental health and diversity. Overall, I wanted to become involved in research at CSUSB to prepare for a doctorate education.

3. What are you next steps in pursuing your career or educational goals?

I will be continuing on to a clinical psychology Ph.D. program at the University of Tulsa this year. After that, I am hoping to keep conducting research on sexual violence and return to academia to continue research and teaching. I'd really like to build a career helping improve sexual violence treatment and prevention to create a real community impact.

4. What advice do you have for students who are interested in becoming involved in research?

I would recommend starting research early, both to find out what topics you are interested in and to strengthen your skills in preparation for graduate school. Also, I believe that networking with our faculty on-campus as well as within the fields you are interested in will show you what paths to take and where to spend your time, energy, and money to reach your dream career. However, I think my most important piece of advice is to remember that even when your path is difficult, that you are valued and have a lot to offer your field no matter where you choose to go; be kind to yourself.



Students Accepted into Ph.D. & Master's Programs

Congratulations to the following students on their acceptance into Ph.D. and other advanced graduate programs! We wish you the best of luck on this next step of your educational journey.

Student: Anabell Ramos
Major: Psychology
Mentor: Dr. Roderick O'Handley
Institution: University of Wisconsin-Madison
Program Type: Ph.D.
Field of Study: School Psychology

Student: Andrea Hughes
Major: Kinesiology
Mentor: Dr. Sarah Dunn
Institution: Loma Linda University
Program Type: Masters
Field of Study: Orthotics and Prosthetics

Student: Bryan Alvarez
Major: Psychology
Mentor: Dr. Dionisio Amodeo
Institution: Ohio State University
Program Type: Ph.D.
Field of Study: Neuroscience

Student: Christine Seeger
Major: Environmental Studies
Mentor: Dr. Alford, Dr. Kalra
Institution: San Diego State University
Program Type: Masters
Field of Study: Environmental Geography

Student: Damian Gil
Major: Exercise Science
Mentor: Dr. Nathaniel Bodell
Institution: California Baptist University
Program Type: Masters
Field of Study: Kinesiology

Student: Eyda-Qi Guo
Major: Instructional Design and Technology
Mentor: Dr. Eun-Ok Baek
Institution: Brigham Young University
Program Type: Ph.D.
Field of Study: Instructional Psychology and Technology

Student: Han Vu
Major: Piano Performance
Mentor: Dr. Wen-Ting Huang
Institution: School of Music, Salem College
Program Type: Masters
Field of Study: Piano Pedagogy

Student: Matthew Guerra
Major: Sociology
Mentor: Dr. Paloma Villegas
Institution: University of Oregon
Program Type: Ph.D.
Field of Study: Sociology

Student: Miles Valencia
Major: Biology
Mentor: Dr. Angela Horner
Institution: UC Irvine
Program Type: Ph.D.
Field of Study: Biomechanics

Student: Naim Aburaddi
Major: Communication Studies
Mentor: Dr. Ahlam Muhtaseb
Institution: University of Colorado, Boulder
Program Type: Ph.D.
Field of Study: Media Studies

Student: Oscar Ruiz
Major: Psychology
Mentor: Dr. Roderick O'Handley
Institution: University of Connecticut
Program Type: Ph.D.
Field of Study: School Psychology



Commencement 2022



Andres Garcia
Public Health

This year's Outstanding Undergraduate Student Researcher is Andres Garcia, who presented his research during the "Meeting of the Minds", Student Research Symposium and spoke at the Faculty Mentors & Student Researchers Recognition Luncheon.

Andres Garcia is a senior in the department of Health Science and Human Ecology majoring in Public Health. He has been a part of five research labs during his undergrad career, between CSUSB and Johns Hopkins University, where he will be attending for his graduate degree in Master of Health Science in Epidemiology for Infectious Diseases. With overall Andres aspires to attain a Ph.D. and become a disease detective, or formally known as an EIS Agent for

the CDC. His favorite cartoon growing up was Tom and Jerry, his favorite animal is a hedgehog, and he loves reading horror novels.

1. Tell us about yourself! Where did you grow up? What influenced you to pursue your field of study?

I grew up my whole life in the High Desert and love California! By accident, I chose this major, but soon found a love for it. I was heavily invested in the clinical field ever since my family has been dealing with medical issues but didn't like the idea of enduring any stress from the clinical side. So, fortunately everything worked out aligning my desires and goals.

2. Tell us about your research interests and involvement in research at CSUSB?

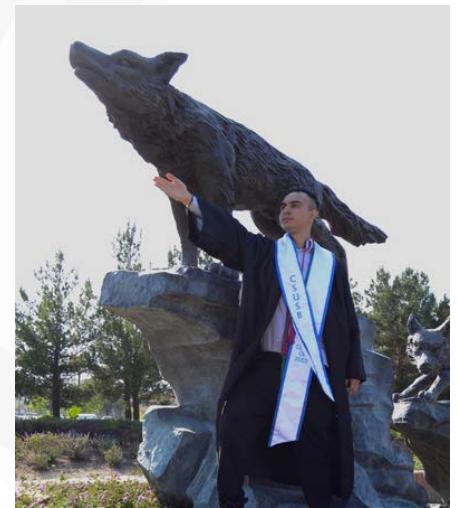
It all started when I joined the prestigious NIH U-RISE Fellowship and got my first exposure to the wonderful world of research. My research interests were, at first, heavily focused on maternal and infant health with the New Mothers Child Care and Support Network (NMCSN), with the ever-so-kind Dr. Kassandra Harding. Then I met the wonderful Dr. Neal Malik, with whom I've had the pleasure of analyzing healthcare-seeking behaviors in a minority-serving institution during the first couple of months of the COVID-19 pandemic. From there I've been fortunate to explore other labs outside of CSUSB and explored my interest even further!

3. What are your next steps in pursuing your career or educational goals?

The next step of my journey involves me attending Johns Hopkins University to attain an MHS in Epidemiology. From there I'd like to attain a Ph.D. at a well-known institution to allow me more opportunities to develop as a researcher. Then I aim to join the ranks of a disease detective at the CDC or a state epidemiologist.

4. What advice do you have for students who are interested in becoming involved in research?

My advice to students is that there is no substitute for hard work. Don't be scared or intimidated to apply yourself, it's the only way you can grow. Also, professors aren't that scary once you meet them, they are all friendly and pleasant to be around. I guess just do your best and hope for the best!



Research Week: Recap

Research Week is an annual week-long event meant to showcase and celebrate scholarly research and creative activities. This year's 5th Annual Research Week event line-up included the *Three Minute Thesis Competition*, *Recognition of Principal Investigators*, *MMUF Keynote Speaker*, *Alumni Mixer*, *"Meeting of the Minds" Student Research Symposium*, *Roundtable Panel Discussion: Research in Action*, and *Recognition of Faculty Mentors and Student Researchers*.

Three Minute Thesis Hosted by the Office of Graduate Studies, the competition celebrated the exciting research conducted by graduate students and cultivated students' academic, presentation, and research communication skills. This year's competition featured seven student and was judged by a panel of campus and community guests. The winners, Alexia Martinez and Cameron Fraser, moved on to represent CSUSB in the CSU Grad Slam.



Three Minute Thesis

Recognition of Principal Investigators With a record number of secured funding for CSUSB, at more than \$40 million dollars in the Academic Year 2020-2021, the first in-person recognition was hosted to honor and celebrate the principal investigators and project directors who engaged in extramural grant activities and secured these funds.



Recognition of Principal Investigators

MMUF Keynote Speaker This year's keynote speaker was Dr. Hilary Green, University of Alabama. Dr. Green's research explores ordinary African Americans who did extraordinary things in their activism for a more equitable and just United States during the Civil War and Reconstruction Era.



MMUF Keynote Speaker

OSR & Graduate Studies Alumni Mixer In collaboration with Graduate Studies and Alumni Relations, the OSR hosted its first ever Alumni Mixer. A special game of trivia was played by all who attended, hosted by King Trivia, networking, and an overall afternoon of fun and games with alumni, directors, chairs, and deans.



OSR & Graduate Studies Alumni Mixer

Research Week: Recap

"Meeting of the Minds", Student Research Symposium The first in-person Symposium since 2019, this event showcased students' hard work, and highlighted the outstanding research and creative activities taking place on our campus. This year, the Symposium had more than 160 participants from across all disciplines, 49 faculty volunteers, and over 1570 unique presentations views for the week. Awards were presented to undergraduate and graduate students for the best oral and poster presentations.



"Meeting of the Minds", Student Research Symposium

Roundtable Panel Discussion: Research in Action The Roundtable was an excellent event for new transfer or freshmen students interested in learning about how to get involved in research at CSUSB. This year's invited speakers included, Dr. Jacob Jones, Professor of Psychology; Dr. Fadi Muheidat, Professor of Computer Science & Engineering; and Dr. Luba Levin-Banchik, Professor of Political Science. All spoke of their research experiences, good and bad, and what they did to overcome any obstacles they encountered, and the many ways in which their persistence has paid off.



Roundtable Panel Discussion: Research in Action

Recognition of Faculty Mentors and Student Researchers Luncheon The Luncheon is the closing event for Research Week and honors faculty and students who excel in research and creative activities. This year the OSR recognized a variety of students and faculty who have demonstrated excellence in their research and enthusiasm for continuous learning and achievement. With a variety of awards and good food, the event was welcomed closing for Research Week, 2022.



Recognition of Faculty Mentors and Student Researchers Luncheon

A special thank you to all the student volunteers!

Anahi Acosta
Autumn Hudson
Brazil Jefferson
Eric Cosme
Istiake Ahmed Abid
Machelle Walker
Mahima Pulgaonkar

Manuel Pina
Mariano Peinado
Melissa Alvarado
Michelle Olayo
Nicole Lancaster
Patrick Shin
Rylee Huntoon

Saidy Guerrero
Sanath Hiremath
Sandra Castillo
Uma Mahesh Addanki
Vanessa Cano



Student Volunteers



BEST POSTER PRESENTATIONS

College of Arts & Letters

Undergraduate

Megan Haynes

Faculty Mentor: Dr. Kate Simonian

Title: *Ooops All Zombies!: How Evolutionary Psychology Reveals The Walking Dead's Problematic Depiction of Gendered Behavior*

Graduate

Ariel Newell

Faculty Mentor: Dr. Thomas Corrigan

Title: *Serena Williams responds to the catsuit controversy: An intersectional and cyber feminist interpretation*

College of Education

Graduate

Oscar Ruiz

Faculty Mentor: Dr. Roderick O'Handley

Title: *Training School-based Change Agents How to Implement Stimulus Preference Assessments: A Systematic Review of the Literature*

College of Natural Sciences

Undergraduate

Luvina Ron

Faculty Mentor: Dr. Renwu 'John' Zhang

Title: *Polyvinylidene difluoride (PVDF) composite films modified with croconic acid.*

Graduate

Kelley Giron

Faculty Mentor: Dr. Jennifer Alford

Title: *Post-Wildfire Effects on Headwater Streams in the San Bernardino National Forest*

College of Social & Behavioral Sciences

Undergraduate

**Erika Kelley, Miguel De Avila,
and Chase Hanson**

Faculty Mentor: Dr. Kate Liszka

Title: *3D Modelling a 4000-Year-Old Ancient Egyptian Mine and Settlement*

Graduate

Alejandro Garcia Garcia

Faculty Mentor: Dr. Brittany Bloodhart

Title: *Predictors of Continued Engagement in Social Movements: Evaluating Risk and Benefits*

BEST ORAL PRESENTATIONS

Session 1

Dante Amodeo

Faculty Mentor: Dr. Kelly Campbell

Major: Psychology

Title: *Couple Maintenance Behaviors: A Comparison of Competing Constructs*

Session 2

Noelle Roddam & Kalinah Winston

Faculty Mentor: Dr. Becky Talyn

Major: Biology

Title: *What Ingredients Contribute to the Toxicity of Glyphosate-Based Herbicides, in a Drosophila melanogaster model?*

Session 3

Isabella Cantu

Faculty Mentor: Dr. Jose Munoz

Major: Sociology

Title: *A Sociological Analysis of Education in the Inland Empire During the COVID-19 Pandemic*

Session 4

Ashley Maayah

Faculty Mentor: Dr. Guillermo Escalante

Major: Kinesiology

Title: *The Underutilization of Physical Therapy in Lower-class, Minority Families.*

Session 5

Kailyn Alari

Faculty Mentor: Dr. Amanda Rymal

Major: Kinesiology

Title: *How to Recruit Female Sport Officials: A Qualitative Exploration*

Session 6

David Murillo

Faculty Mentor: Dr. Renwu Zhang

Major: Chemistry

Title: *Synthesis of Triptycene-Based Microporous (TMP) Polymers for use in Hydrogen Storage*

Session 7

Lorraine Lopez

Faculty Mentor: Dr. Rajrani Kalra

Major: Intelligence & Crime Analysis

Title: *Exploring Urban Blight in California: A Geospatial Analysis*

Session 8

Haley Potter

Faculty Mentor: Dr. Christopher Hill

Major: Biological Psychology

Title: *Psychological Stressors of a Professional Motorsport Athlete: A Case Study*

Session 9

Dianna Solis

Faculty Mentor: Dr. Christina Hassija

Major: Biological Psychology

Title: *The Quality of Endometriosis Health Care Treatment Impact on Women's Quality of Life*

Session 10

Alejandro Garcia Gandara

Faculty Mentor: Dr. Brittany Bloodhart

Major: Psychology

Title: *Predictors of Continued Engagement in Social Movements: Evaluating Risk and Benefits*

Session 11

Michelle Hernandez

Faculty Mentor: Dr. Nicole Bournias-Vardiabasis

Major: Biology

Title: *The Effects of Mild and Severe Traumatic Brain Injury on Transgenic Female A β -42 and 00C Drosophila melanogaster*

Session 12

Alexia Martinez

Faculty Mentor: Dr. Mariam Betlemidze

Major: Communication Studies

Title: *Unapologetically Her: A Nomadic- Intersectional Case Study Analysis on Lizzo and Jillian Michaels*

Session 13

Jessica Bezenah

Faculty Mentor: Dr. Leslie Amodeo

Major: Psychological Sciences

Title: *Early Versus Late Prenatal Escitalopram Exposure Impacts ASD- Related Behaviors in Rats*

Session 14

Xochilt Trujillo Flores

Faculty Mentor: Dr. Karen Rowan

Major: English and Writing Studies

Title: *Radicalizing First Year Composition*

Faculty Jurors

We would like to acknowledge and thank the following faculty and staff who have volunteered to serve as jurors for this year's events.

Dr. Alexis Norris	Dr. Luba Levin Banchik
Dr. Amir Ghasemkhani	Dr. Lynn Scow
Dr. Amy van Schagen	Dr. Mahmood Nikbakhtzadeh
Dr. Andreas Beyersdorf	Dr. Manpreet Dhillon Brar
Dr. Angela Horner	Dr. Mary-Ellen Garcia
Dr. Ann Garascia	Dr. Meghana Varayuri
Dr. April Karlinsky	Dr. Michael Karp
Dr. Arianna Huhn	Dr. Michael Lewin
Dr. Benjamin Becerra	Dr. Miranda McIntyre
Dr. Brittany Bloodhart	Dr. Neal Malik
Dr. Christina Hassija	Dr. Nerea Marteache
Dr. Claire Todd	Dr. Nicole Collier
Dr. David Maynard	Dr. Nicole Klimow
Dr. Dorothy Chen	Dr. Rajrani Kalra
Dr. Edwin Hernandez	Dr. Reveka Shteynberg
Dr. Emily Carian	Dr. Salome Mshigeni
Dr. Esteban Cardoba	Dr. Sang Ouk Wee
Dr. Gregory Gondwe	Dr. Sarah Dunn
Dr. Gretchen Bergquist	Dr. Sastry Pantula
Dr. Hani Aldirawi	Dr. Sen Padilla
Dr. Hareem Khan	Dr. Shafiq Rahman
Dr. Henrietta nwamu	Dr. Shumei Yang
Dr. Jacob Jones	Dr. Thomas Corrigan
Dr. Jason Burke	Dr. Tiffany Bookman
Dr. Jeffrey Truong	Dr. V.N.Pradeep Ambati
Dr. Jennifer Jin	Dr. Victoria Seitz
Dr. Jeremy Mallari	Dr. Wagner Prado
Dr. Jing Zhang	Dr. Xiaoxu Jiang
Dr. Joyce Pham	Dr. Yawen Li
Dr. Judith Sylva	Dr. Youngsu Kim
Dr. Karen Robinson	Dr. Zachary Powell
Dr. Kasey Harding	Dr. Zhaojing Chen
Dr. Cassandra Harding	Melody Robinson, Graduate
Dr. Ken Shultz	
Dr. Kim Tan	
Dr. Laura Newcomb	
Dr. Leslie Amodeo	



Grant Recipients

The OSR is proud to provide funding and support for the innovative research and creative projects of CSUSB students and faculty mentors. Congratulations to all who were awarded an OSR grant during the 2021-2022 academic year!

Student Research & Travel

Adrian Smith	Jennifer Borton
Alejandro Garcia	Jennifer Kirk
Alex Dixon	Jennifer Tran
Alexia Martinez	Jessica Bezenah
Allison Skokos	Jieping Mei
Alyx Duckering	Jocelin Monge
Amber Easley	Joseph Toland
Anabell Ramos	June Lomax
Andrea Guo	Kalinah Winston
Andrea Hughes	Kassandra Gallardo
Andrew Rivera	Kayla De La Paz
Angelique Melendrez	Kenya Luna
Apolo Ibanez-Rincon	Lea Hemphill
Ariel Newell	MacKenzie Feeken
Ashley Wicochea	Maggie Santos
Breana Quintana	Malika Bratton
Breanna Alexis Ramirez	Manuel Madrigal
Breanna Ramirez	Maria Ceja
Brystal Nevins	Marlee Uggen
Candace Watts	Maureen Mayaka
Ciara Castille	Maurice Cruz
Clarissa Montalvo	Melanie Asalde-Smith
Cody Atkins	Miles Valencia
Daniela Alarcon	Miriam Fenton
David Lopez Sanchez	Naim Aburaddi
Diana Ramirez	Nicole Kaleinani Tabuena
Dianna Solis	Noelle Roddam
Emely Lugo	Paniz Herrera
Emily Connard	Rangel Zarate
Emily Urquidi	Rhiannon Rivas
Frank Nieblas	Rosemary Rojas
Frankie Gutierrez	Samantha Arredondo
Gabrielle Morgan	Shantel Ortega
Imalay Rivera	Stephanie Milton
Jamie Valdez	Timothy Schulte
Jeffrey Truong	Yenny Valenzuela

Undergraduate Student Grants

Kalinah Winston
Lana Klaib
Noelle Roddam

Faculty/Student Grants

Dr. Amanda Rymal
Dr. April Karlinsky
Dr. Arianna Huhn
Dr. Becky Talyn
Dr. Hareem Khan
Dr. Kelley Giron
Dr. Mahmood Nikbakhtzadeh
Dr. Monideepa Becerra
Dr. Roderick O'Handley
Dr. Tomasz Owerkowicz
Dr. Wagner Prado

SSI Graduate Student Culminating Project Grant

Adam Espinoza
Benjamin Johnson
Emily Connard
Jamie Valdez
Jeffrey Truong

Kelley Giron
Mackenzie Feeken
Marlee Uggen
Mengxuan Zhang
Rosemary Rojas
Rushil Gumasana
Tony Lee

Graduate Extended Reality Research Scholarship

Melanie Asalde-Smith
Naim Aburaddi

Faculty Mentor Award

Dr. Jacob Jones
Dr. Jose Munoz
Dr. Mahmood Nikbakhtzadeh
Dr. Mariam Betlemidze

Outstanding Graduate Student Researcher Award

Melody Robinson

Outstanding Undergraduate Student Researcher Award

Andres Garcia Garcia

GRANTS = FUNDING FOR
RESEARCH AND SUPPLIES

Mellon Mays Undergraduate Fellowship

The Mellon Mays Undergraduate Fellowship Program (MMUF) is a two-year program that provides financial support, research mentorship, and assistance with graduate school preparation. The fundamental objective of MMUF is to address the problem of the under-representation of minority faculty members in higher education. The MMUF program is designed to encourage fellows to enter Ph.D. programs in the humanities and prepare them for a career in academia.

California State University, San Bernardino has been home to the MMUF program since 2018 and is part of a five campus cohort, along with CSU Fullerton, CSU Dominguez Hills, CSU Los Angeles, and CSU Long Beach. Over the past year, CSUSB MMUF Fellows have had a number of noteworthy successes. Fellows also presented their research at the CSUSB Research Competition in February, 2022, and second-year fellow Xavier Resendez and first-year fellow Viviana Alvarez Rodriguez were selected to represent the university at the CSU System Wide Student Research Competition that took place on April 29th and 30th, 2022.

Isabella Cantu, a Sociology major, was recognized as the 2020 Outstanding Student by the California Sociological Association. She also received the Dominic Bulgarella Scholarship from CSUSB Sociology Department. Moreover, she and her mentor, Dr. Jose Munoz, were selected to participate in CSUSB's 2021 OSR Undergraduate Fellowship Program. Currently, Isabella was accepted into a two-year funding PhD Sociology Program at UC Davis for Fall 2022.

Xavier Resendez, a History major, was selected for the UC Irvine Summer Undergraduate Research Fellowship Program. He also participated in the MMUF Summer Research Training Program at the University of Chicago. At present, Xavier was accepted into a two-year funding PhD History Program at UCR for Fall 2022.

Stephanie Alonso, a Communications major, was selected to participate in the MMUF Summer Research Training Program at the University of Chicago. She also was selected to participate in the prestigious Sally Casanova Pre-Doctoral Scholar Program.

Congratulations to the graduating fellows - we wish you success in your future! Go Coyotes!



Isabella Cantu
UC Davis
Sociology Ph.D. Program



Xavier Resendez
UC Riverside
History Ph.D. Program

Student Research Competition

Every year the CSU hosts the CSU Student Research Competition, an event meant to promote excellence in undergraduate and graduate scholarly research and creative activity, and it gives students the opportunity to develop their presentation and communication skills while showcasing their scholarly achievements across the CSU. It recognizes outstanding research accomplished by students of all levels from all twenty-three campuses of the CSU, and every year a different CSU campus hosts the event; this year the lucky campus to host the competition was San Francisco State University.

The 36th Annual CSU Student Research Competition was a great event for both the attendees and participants and CSUSB is proud to have had eleven students of undergraduate and graduate levels, participate in this year's competition. The research presented by CSUSBs delegates ranged across all colleges and fields. The competition took place virtually and delegates were asked to submit a video recording of their presentation and participate in a live five minute Q&A with judges from a variety of disciplines from San Francisco State University.

The OSR would like to acknowledge the efforts of all the CSUSB delegates, as their research was impressive and a tell of the hard work and dedication these students have for their research and respective fields. We are proud to have participated in the efforts of these student scholars. To the faculty mentors who have guided these students through all their research and presentation building skills, the OSR thanks you for your dedication to these students and the research they conduct. The success of the students and events such as this would not be possible if not for your participation and patience.

The OSR would also like to recognize and congratulate Brittany Mondragon for winning the first place in his session (please read more on page 16). Great work and we look forward to see what you will accomplish next!

For more information on the CSU Student Research Competition please visit our [webpage](#) or contact the OSR.

CSUSB Delegates

Alyx Duckering

Alexia Martinez

I Gusti Ngurah Raka Bhaskara

Viviana Alvarez Rodriguez

Rey Zevala

Xavier Resendez

Brittany Mondragon*

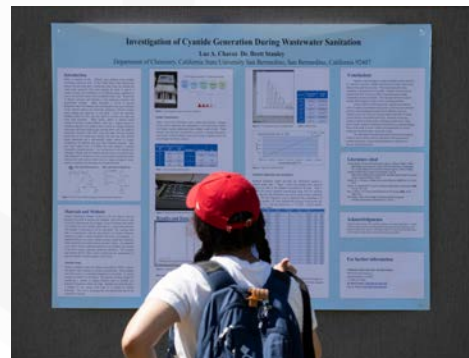
Isabela Vigil-Montano

Anabell Ramos

Rosemary Rojas

Kailyn Alari

Competition winner is marked with an asterisk *



CSU Student Research Competition Winner Spotlight

Congratulations to the CSUSB delegate Brittany Mondragon, who won the 1st Place in the Humanities, Arts, and Letters Graduate Category in the 36th Annual CSU Student Research Competition!



Name(s): Brittany Mondragon

Faculty Mentor: Dr. Tiffany Jones & Dr. Jeremy Murray

Major: BA in History and Master's degree in Geographic Information System

Title: *Flora's Fourth Child: Race, Gender, and Botany in the Colonial British Atlantic*

Level: Graduate

1. Tell us about yourself! Where did you grow up? What influenced you to pursue your field of study?

I have lived in Yucaipa my whole life, and I am a first-generation college

student (my father was a maintenance worker at a railroad company and my mom was a homemaker). Ever since I was in elementary school, I've been a bookworm and my favorite subject was history. I transferred from Crafton Hill College to the University of Redlands where I earned my BA in History, and then I continued there to earn my first Master's degree in Geographic Information System. I took an undergraduate class titled Mapping African History, which really showed me I could combine my interest in history with geography. However, I always knew I wanted to continue my education and earn a graduate degree in history. When I met Dr. Murray at a local conference, he told me CSUSB would be starting an MA History program, and I immediately knew that program was for me. Apart from school, I enjoy painting, hiking, gardening, playing board games with friends, and I am currently learning to play the harp.

2. Tell us about your research interests and involvement in research at CSUSB?

My historical research interests revolve around environmental history, the history of science (especially botany and ethnobotany), colonialism, and trade. I am particularly interested in transatlantic and Caribbean history in the eighteenth century. I chose my thesis topic because it examined many themes I am interested in and also is relevant to very powerful discussions happening today. Overall, my thesis explores the intersectionality of race, gender, and botany in the British colonial Atlantic during the eighteenth century by examining the appropriation and management of enslaved women, their uses of ethnobotanical medicines, and the power relations behind their depiction as witchcraft practitioners. I must thank Dr. Jones, my lead advisor, and my secondary advisor and program coordinator, Dr. Murray, for their support and insight throughout the research process, as well as, Dr. Keating for coaching me through the CSU Student Research Competition.

3. Tell us about your experience serving as a delegate and participating in the CSU Student Research Competition.

I am going to start teaching at community colleges, and I already accepted some courses to teach in the fall. I am also looking into Ph.D opportunities and universities with robust Caribbean and History of Science courses, but I have not yet decided exactly where best fits my academic and personal interests. Most importantly, I want to gain some life experience and take the next year or so to travel to some of the places that are historically fascinating to me. I should also probably take Spanish classes, so I am more prepared for a Ph.D. program in the future.

4. What advice do you have for students who plan to compete in next year's competition?

My biggest piece of advice is to let the research come to you. Oftentimes, students have this fantastic idea for a research paper and begin writing their paper, but when it comes time to add primary (or even secondary) sources, they struggle to find manuscripts or documents that match their argument perfectly. Instead, it's best to do some preliminary digging and let your research guide the rest of your thoughts. Another piece of advice is that there are so many amazing free places to find primary sources if you know where to look, so take advantage. The Hathitrust, and Newspapers were some of the places I looked in addition to the databases from the Phau Library.

Office of Student Research

Undergraduate Summer Research Program

The Undergraduate Summer Research Program provides funding and resources to support undergraduates who are interested in any research projects or scholarly activities related to their field. The ten-week program begins the first week of June and includes a series of workshops designed to develop students' research and presentation skills and help them prepare for graduate school.

Congratulations to all of this year's Undergraduate Summer Research Program participants! We look forward to seeing your research and presentations at the Undergraduate Summer Research Program Mini Conference in August.

College of Arts & Letters

Faculty Mentor: Dr. David Marshall

Team: Megan Haynes, Logan Ashbaugh, Brionne Zamrii-Garland & Haeley Young

Title: *Imagining Vikings in Tabletop Board Games*

College of Natural Sciences

Faculty Mentor: Dr. Angela Horner

Team: Diamond Rawlings, Paola Rodriguez & Mariel Dayrit

Title: *Does early life exercise build a stronger skeleton?*

Faculty Mentor: Dr. Becky Talyn

Team: Noelle Roddam, Ashley Dubuque & Kalinah Winston

Title: *Mechanisms of Toxicity of Glyphosate-Based Herbicides using the *Drosophila melanogaster* model system*

Faculty Mentor: Dr. Breanna Putman

Team: Bayley Stevens & Alexis Gonzalez

Title: *Effects of Urbanization on the Health of Animals*

Faculty Mentor: Dr. Claire Todd

Team: Jose Jimenez, Jennifer Kirk & Jacob Baker

Title: *What is the impact of rocky debris covers on glacial melt and retreat in Mount Rainier National Park?*

Faculty Mentor: Dr. Hani Aldirawi

Team: Jason Damron, Walter Navarro & Melanie Kingston

Title: *Modeling Sparse Data Using Different Statistics and Machine Learning Approaches*

Faculty Mentor: Dr. Jason Burke

Team: Angela Villabazo Garcia & Seth Buchanan

Title: *The Biochemistry of Rb Mutations in Cancer*

Faculty Mentor: Dr. Jeremy Mallari

Team: Fernanda Escorza

Title: *Synthesis of bifunctional protease probes to identify the molecular targets of an anti-malarial inhibitor scaffold*

Faculty Mentor: Dr. Joyce Pham

Team: Kayla Ochoa

Title: *Structure-Function of Intermetallic Compounds: Experiment and Computation in Synergy*

Faculty Mentor: Dr. Laura Newcomb

Team: Jacqueline Bernel & Maricela Rincon

Title: *Define influenza nucleoprotein interactions as novel antiviral targets.*

Faculty Mentor: Dr. Lua Lopez Perez

Team: Rosa Morales & Angel Diaz

Title: *Gene silencing in plants as a tool for bioremediation of soil polluted with metals.*

Office of Student Research

Undergraduate Summer Research Program

Faculty Mentor: Dr. Suthakaran Ratnasingam

Team: Imran Amani, Spencer Wallace, Jade Romero

Title: *Non-Parametric Confidence Intervals for Generalized Lorenz Curve using Modified Empirical Likelihood*

Faculty Mentor: Dr. Tomasz Owerkowicz

Team: Manuel Madrigal, Kayla De La Paz & Breana Quintana

Title: *To shunt or not to shunt: effects of pulmonary bypass shunting on thermoregulation in the American alligator*

Faculty Mentor: Dr. Venkata Naga Pradeep Ambati

Team: Alejandra Ramirez, Tanya Alvarez & Ivy Garcia - Guevara

Title: *Gaze behavior during embedded figures test in children diagnosed with high functioning autism spectrum disorder*

Faculty Mentor: Dr. Xiaoxu Jiang

Team: Arun Seth and Adolfo Rodriguez

Title: *Characterizing Global Conformational Change in the Sucrose Transporter of E. coli*

Faculty Mentor: Dr. Yan Zhang

Team: Ivan Lopez

Title: *Satirical News Detection with Semantic Feature Extraction and Machine Learning*

Faculty Mentor: Dr. Zhaojing Chen

Team: David Torres, Carolina Garcia, Stacy Beltran Rivas

Title: *Effects of Machine-based Isometric Training on Musculoskeletal Adaptations*

College of Education

Faculty Mentor: Dr. Edwin Hernandez

Team: David Perez Barerra, Jackson Archuleta, Sandra Castillo

Title: *Exploring the Role of Minority Serving Institutions in the Civic Development of Racial/Ethnic Minoritized Students*

Faculty Mentor: Dr. Nancy Acevedo-Gil

Team: Paula Zaragoza, Ezra Salazar & Adriana Rodriguez

Title: *California Community Colleges Counselors: Counseling after the Implementation of Assembly Bill 705*

College of Social & Behavioral Sciences

Faculty Mentor: Dr. Arianna Huhn

Team: Joshua Mondragon, Ana Bautista & Elise Espinoza

Title: *Afróntalo Project*

Faculty Mentor: Dr. José Muñoz

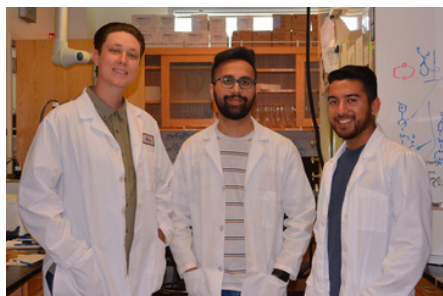
Team: Fatima Alejandre, Lesley Nuñez & Maria Castro

Title: *Latina/o Sociology Graduate Students Navigating Academia*

Faculty Mentor: Dr. Yawen Li

Team: Simran Bhatia

Title: *An Analysis of Research Competencies of Master of Social Work Students Through Their Independent Research Projects: Changes in Research Themes and Quality over the Past Two Decades*



California State University, San Bernardino
Office of Student Research



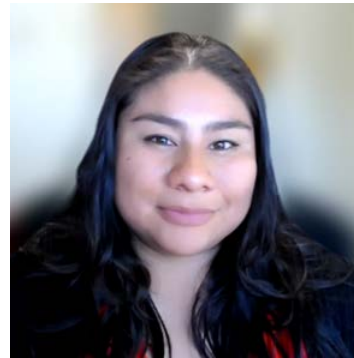
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Associate Provost for Research,
Dean of Graduate Studies



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Associate Professor of History,
Director, Office of Student Research



Danielle White
Program Coordinator



Sara Valdez, MPA
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