

CALIFORNIA STATE UNIVERSITY

GRAD SLAM

THREE-MINUTE THESIS COMPETITION

2022



HOSTED BY



CALIFORNIA STATE UNIVERSITY
BAKERSFIELD

EVENT BROCHURE

Sponsored by:

CSU

The California State University

California State University, Bakersfield is proud to host the second annual CSU Grad Slam/3MT competition on May 6th, 2022.

This event showcases and celebrates the wide array of excellent research and creative activity taking place at the graduate level across the CSU. Participating CSU campuses nominate two graduate students to compete for a chance to win cash prizes and bragging rights.

During the competition, participants are allowed 3 minutes and one PowerPoint slide to present their research to a non-expert audience.

WELCOME REMARKS



**DR. LYNNETTE ZELEZNY,
PRESIDENT OF CALIFORNIA
STATE UNIVERSITY,
BAKERSFIELD**



**DR. JOLENE KOESTER,
INTERIM CHANCELLOR OF
THE CALIFORNIA STATE
UNIVERSITY**

FINAL ROUND JUDGES



**GANESH RAMAN, PH.D., ASSISTANT VICE
CHANCELLOR FOR RESEARCH AT THE
CALIFORNIA STATE UNIVERSITY OFFICE OF
THE CHANCELLOR**



**ROSSITZA WOOSTER, PH.D., DEAN OF THE
GRADUATE SCHOOL AT PORTLAND STATE
UNIVERSITY AND PRESIDENT OF THE
WESTERN ASSOCIATION OF GRADUATE
SCHOOLS**



**KRYSTAL RAYNES, SENIOR AT CSU
BAKERSFIELD AND MEMBER OF THE CSU
BOARD OF TRUSTEES**

FINAL ROUND JUDGES

MARGARITA MELENDEZ, M.ED., EDUCATION PROGRAM SPECIALIST WITH THE UNITED STATES DEPARTMENT OF EDUCATION AND PROGRAM LEAD FOR PROMOTING POSTBACCALAUREATE OPPORTUNITIES FOR HISPANIC AMERICANS PROGRAM



BRENT FOSTER, PH.D., ASSISTANT VICE CHANCELLOR AND STATE UNIVERSITY DEAN FOR ACADEMIC PROGRAMS AT THE CALIFORNIA STATE UNIVERSITY OFFICE OF THE CHANCELLOR



CSU BAKERSFIELD EMCEES

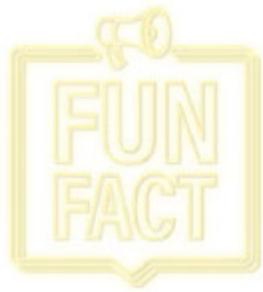


**DEBRA JACKSON, PH.D., ASSOCIATE VICE
PRESIDENT FOR ACADEMIC AFFAIRS AND
DEAN OF ACADEMIC PROGRAMS**



**LUIS VEGA, PH.D., INTERIM DEAN FOR
GRADUATE AND UNDERGRADUATE
STUDIES**

CSU Bakersfield



CSU BAKERSFIELD'S CAMPUS SPANS 375 ACRES AND WAS PREVIOUSLY AGRICULTURAL LAND BEFORE BEING CONVERTED TO ITS CURRENT STATE. THE SCHOOL'S MASCOTS, ROADRUNNERS, STILL ROAM THE CAMPUS.

Judge ANNA JACOBSEN, PH.D.,
PROFESSOR OF BIOLOGY



Competitors

**AUTUMN CORROW
FINALIST**



The effects of fire on bat activity in Sequoia and Kings Canyon National Park

Advisor: Dr. Anna Doty

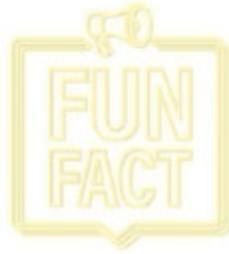
ISABELLA OZUNA



Flashy Fluorescence

Advisor: Dr. Amber Stokes

CSU Chico



CHICO STATE IS HOME TO THE EXOTIC "CORPSE FLOWER" THAT BLOOMS ONLY EVERY 4 YEARS, REACHES HEIGHTS OF 6+ FEET, AND EMITS A PUTRID SMELL SO STRONG IT CAN BE DETECTED ACROSS CAMPUS AND MORE THAN AN 1/8TH OF A MILE AWAY.

Competitors

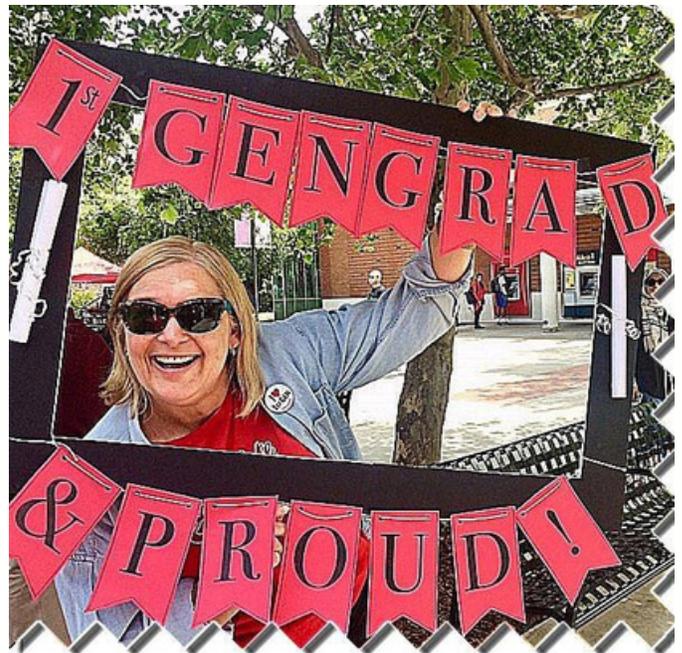
**CHEYENNE COLLINS
FINALIST**



**Modeling Scavenging Patterns within
the Willamette Valley of Oregon:
Informing Search Structure in
Medicolegal Investigations**

Advisor: Ashley Kendall

SANDRA SCHOLTEN



**Crisis targeted pregnancy centers:
Crisis pregnancy centers locate
near planned parenthood clinics
and in low-income areas**

Advisor: Dr. Lori Webber

CSU Dominguez Hills



CSU DOMINGUEZ HILL'S 346 ACRES WERE ONCE A SECTION OF THE FIRST PRIVATE LAND GRANT IN SOUTHERN CALIFORNIA-- THE RANCHO SAN PEDRO BELONG TO THE DOMINGUEZ FAMILY. THE SITE CHOSEN FOR THE UNIVERSITY WAS KNOWN AS THE DOMINGUEZ HILLS, NAMED AFTER THE FAMILY.

Judge

KEN SELIGSON, PH.D., ASSISTANT PROFESSOR OF ANTHROPOLOGY



Competitors

LAMIYA HOQUE



Public School Leadership During a Pandemic: Three Case Studies

Advisor: Dr. Rui Sun & Dr. Hugo Asencio

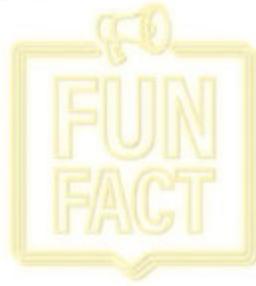
JENNIFER ROBBINS



Occupational Justice For Women Survivors of Intimate Partner Violence

Advisor: Dr. Sheryl Ryan

Fresno State



**FRESNO STATE WAS THE FIRST
U.S. UNIVERSITY TO ESTABLISH
A COMMERCIAL WINERY.**

Competitors

JORGE JACINTO



Recycling the Trash in Your Brain

Advisor: Dr. Joy J. Goto

CARINA VILLEGAS

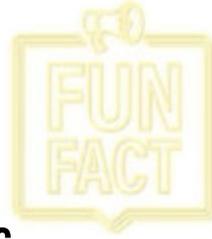


DNA Lego – Assembly Required

Advisor: Dr. Cory Brooks

CSU Fullerton

CSU FULLERTON'S MASCOT IS AN ELEPHANT NAMED TUFFY THE TITAN. THE ELEPHANT WAS ADOPTED AFTER AN ACTUAL INTERCOLLEGIATE ELEPHANT RACE WAS HELD ON CAMPUS IN 1962, DUBBED THE "DUMBO DOWNS."



Judge

ROB SAGE, BUSINESS LIBRARIAN



Competitors

MANDY TAYLOR



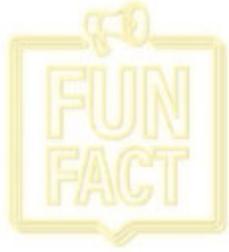
Cherwell's Labyrinth: Gamified Onboarding Training For CSUSB Instructional Designers
Advisor: Dr. Debra Ambrosetti

REMUS MITCHELL



Attitudes Towards Learning Disabilities Scale Construction and Validation
Advisor: Dr. William Marelich

Cal Poly Humboldt



CAL POLY HUMBOLDT BECAME NORTHERN CALIFORNIA'S FIRST POLYTECHNIC UNIVERSITY IN 2022.

Competitors

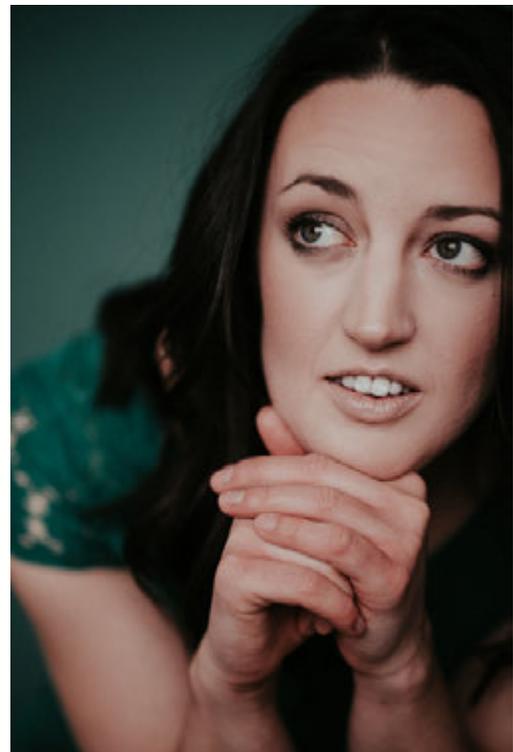
HANNAH JOSS



Monitoring Bull Kelp at High Resolutions

Advisor: Dr. James Graham

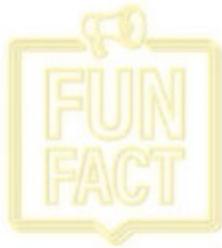
ANNE HOWARD



Counter-Mapping Literature

Advisor: Dr. Janelle Adsit

CSU Long Beach



**DR. MAULANA KARENGA, A
PROFESSOR OF AFRICANA STUDIES AT
CSU LONG BEACH, CREATED THE FIRST
PAN-AFRICAN HOLIDAY, KWANZAA.**

Judge

**JODY CORMACK, PH.D.,
VICE PROVOST FOR
ACADEMIC PROGRAMS
AND DEAN OF
GRADUATE STUDIES**



Moderator

**DINA PERRONE, PH.D.,
ASSOCIATE DEAN OF
GRADUATE STUDIES**



Competitors

OLIVIA ANDRADE



**The Impact of Covid-19 on Prisoners:
Former Inmates', Families of the
Incarcerated, and Correctional Officers'
Perspectives**

Advisor: Dr. Connie Ireland

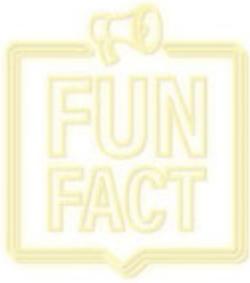
TRONG PHAM



**Dual-tasking reduces fall risk
among older adults**

Dr. Young-Hee Cho

Cal State Los Angeles



CAL STATE LOS ANGELES IS THE ONLY UNIVERSITY IN SOUTHERN CALIFORNIA TO HAVE A CAMPUS METROLINK RAIL STATION; OTHER THAN UNION STATION, IT IS NOW METROLINK'S BUSIEST L.A. STATION.

Competitor

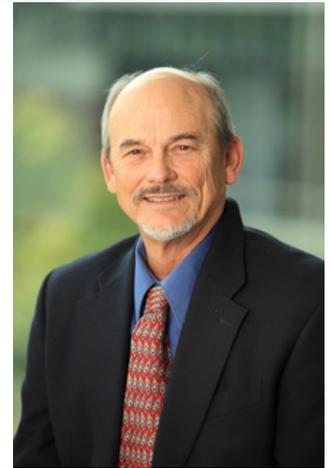
SEAN LYON



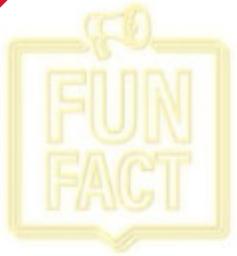
Leveraging bird specimens to quantify the historical effects of urbanization on avifauna in Los Angeles

Advisor: Dr. Eric Wood

CSU Monterey Bay



DOUG SMITH, PH.D.,
INTERIM DEAN OF
GRADUATE STUDIES
AND RESEARCH



CSU MONTEREY BAY IS BUILT ON A FORMER ARMY BASE. THE CAMPUS BORDERS 8,000 ACRES OF PRISTINE OAK WOODLAND AND SAVANNAH IN THE FORT ORD NATIONAL MONUMENT AND THE MONTEREY BAY NATIONAL MARINE SANCTUARY.

Competitors

JULIANA CORNETT



**As Oxygen Declines in a Local Estuary,
How Will Juvenile Flatfish Respond?**

Advisor: Dr. Cheryl Logan

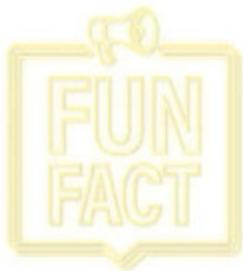
CONNIE MACHUCA



**Save Our Streams: A Microscopic
Solution to Pollution**

Advisor: Dr. Nathaniel Jue

CSU Northridge



**CSU NORTHRIDGE
CURRENTLY HAS
377,233 ALUMNI.**

Judges

**S. JIMMY GANDHI, PH.D.,
ASSISTANT PROFESSOR,
MANUFACTURING SYSTEMS
ENGINEERING &
MANAGEMENT (MSEM)**



**RANDY N. FARBER, PH.D.,
PROFESSOR, HEALTH
SCIENCES**



Competitors

**JESSICA GONZALEZ
FINALIST**



**What is the Relationship between
Adverse Childhood Experiences (ACEs) and
Romantic Relationship Satisfaction in
Young Adults?**

Advisor: Dr. Judith DeBonis

VELIA NUNEZ

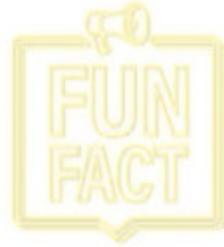


**Systolic Blood Pressure is Associated with
Carotid Intima-Media Thickness (CIMT)
Independently of Type 2 Diabetes
Predisposition in Minority Adolescents**

Advisor: Dr. Claudia Toledo Corral

Judge

Cal Poly Pomona



WHAT IS NOW THE GREEN WOODED EXPANSE OF THE CAL POLY POMONA CAMPUS WAS ORIGINALLY THE WINTER RANCH HOME OF W.K. KELLOGG, OF BREAKFAST CEREAL FAME. THE UNIVERSITY HAS CAREFULLY PRESERVED MANY FEATURES OF KELLOGG'S HILLTOP ARABIAN HORSE RANCH, INCLUDING HIS MANSION, ROSE GARDENS, AVOCADO GROVES, STABLES AND, OF COURSE, THE AWARD-WINNING KELLOGG ARABIAN HORSES, FEATURED IN HORSE SHOWS ON CAMPUS.



ANAS SALAH EDDIN, PH.D.,
ASSISSTANT PROFESSOR
ELECTRICAL & COMPUTER
ENGINEERING

Competitor

DION CHANG



Transglutaminase treatment of
Rice Protein for improved
functionality in gluten-free pasta

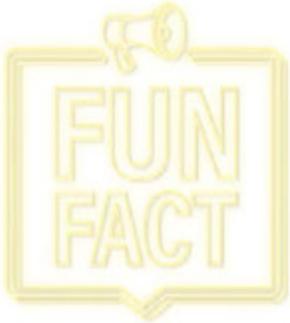
Advisor: Advisor: Dr. Yao Olive Li

Judge

Sacramento State



REBEKKAH MULHOLLAND, PH.D.,
ASSISTANT PROFESSOR OF
HISTORY



HOME TO MORE THAN 3,500 TREES, SAC
STATE IS A TREE CAMPUS USA, HAVING HELD
THE DISTINCTION SINCE 2013.

Competitor

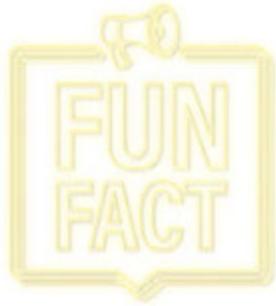
KRISTIN MILLS

**Psychedelic Leadership: Expanding
Consciousness, Connection, and Profit**

Advisor: Dr. Mickel & Dr. Riolli



CSU San Bernardino



LEGEND HAS IT THAT CSU SAN BERNARDINO'S WILD SONG SCULPTURE DEPICTING THE CSUSB MASCOT, THE COYOTE, POSSESSES A LUCKY PAW, WHICH HAS TURNED GREEN FROM THE MANY STUDENTS WHO RUB IT BEFORE FINAL EXAMS.

Judges

**CYNTHIA CRAWFORD, PH.D.,
DIRECTOR OF RESEARCH
DEVELOPMENT**



**RYAN KEATING, PH.D.,
PROFESSOR OF HISTORY**



Competitors

ALEXIA MARTINEZ



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

Advisor: Dr. Mariam Beltemidze

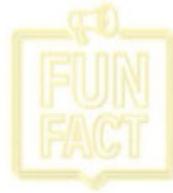
CAMERON FRASER



Demonstration of Therapeutic Potential of C3aR1 Targeting CAR T Cells

Advisor: Dr. Laura Newcomb and Dr. Aileen Anderson

San Diego State University



IN 1963, JUST MONTHS BEFORE HE WAS ASSASSINATED, U.S. PRESIDENT JOHN F. KENNEDY GAVE THE COMMENCEMENT ADDRESS AT SAN DIEGO STATE COLLEGE. PRESIDENT KENNEDY RECEIVED THE UNIVERSITY'S FIRST HONORARY DOCTORATE — ALSO THE FIRST IN THE CSU SYSTEM.

Moderator

TRACY LOVE, PH.D.,
DEAN OF THE COLLEGE
OF GRADUATE STUDIES



Judge

JOHN CROCKETT, PH.D.,
SENIOR DIRECTOR OF
RESEARCH ADVANCEMENT



Competitors

MELANIE NICHOLLS
FINALIST



The research to practice gap: Exploring the attitudes toward evidence-based practice in substance use providers

Advisor: Dr. Lianne Urada

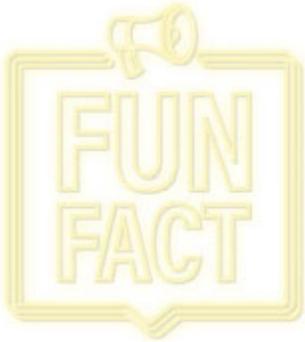
KAREN THOMAS



Choline Supplementation Mitigates Effects of Prenatal THC Exposure on Spatial Memory in Rats

Advisor: Dr. Jennifer D. Thomas

San Francisco State University



THE SAN FRANCISCO STATE UNIVERSITY MASCOT IS THE GATOR (ALLIGATOR). SELECTED BY STUDENTS IN 1931, IT WAS ORIGINALLY SPELLED WITH AN "ER" — GOLDEN GATERS — A PLAY ON WORDS TO EMPHASIZE SF STATE'S LOCATION.

Competitors

ALLIE MARGULIES



Combating mass mortality of a valuable native species

Advisor: Dr. Andrew Chang

DAGNY YSAIS

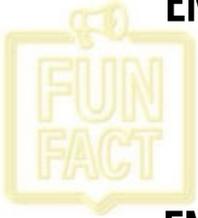


Harbor seal pupping at the Russian River Mouth

Advisor: Dr. Ellen Hines

San José State University

IN 2019, 48% OF THE MASTER'S DEGREES IN ENGINEERING AWARDED BY THE CSU SYSTEM WERE AWARDED BY SAN JOSÉ STATE UNIVERSITY. IN FACT, 2% OF THE ENGINEERING MASTER'S DEGREES AWARDED IN THE ENTIRE UNITED STATES WERE AWARDED BY SJSU!



Judge

**PAMELA STACKS, PH.D.,
DIRECTOR, ASSOCIATE
VICE PRESIDENT OF
GRADUATE STUDIES AND
RESEARCH**



Competitors

KATE FORREST



Fire Tornadoes: The Unicorns of Fire Weather

Advisor: Dr. Craig Clements

NATHANIEL PERGAMIT

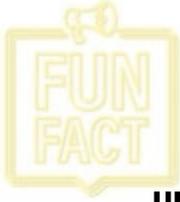


**Buried Treasure in San Francisco's
Golden Gate Park**

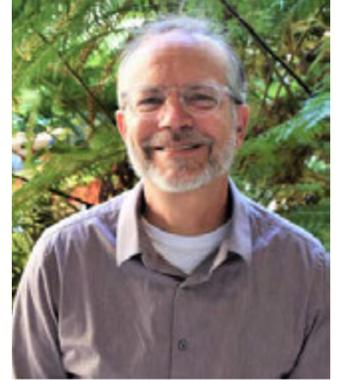
Advisor: Dr. Erica Buurman

Judge

Cal Poly San Luis Obispo



CAL POLY SLO IS THE SECOND LARGEST LAND-HOLDING UNIVERSITY IN CALIFORNIA AND ONE OF THE LARGEST LAND-HOLDING UNIVERSITIES IN THE NATION. CAL POLY USES ALL OF ITS LAND HOLDINGS IN ACTIVE SUPPORT OF THE EDUCATION OF ITS STUDENTS.



**BOB CROCKETT, PH.D.,
PROFESSOR OF BIOMEDICAL
ENGINEERING**

Competitors

SAVANNAH WEAVER

JACOB CAMPBELL FINALIST



**Defining Mixed-Race College Students:
Examining Graduation Gaps Between
Multiracial & Monoracial Undergraduates**

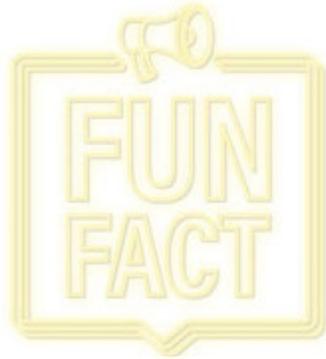
Advisor: Dr. Sonia Ramrakhiani



**Additive effects of humidity and temperature
on acclimation in a lizard**

Advisor: Dr. Emily Taylor

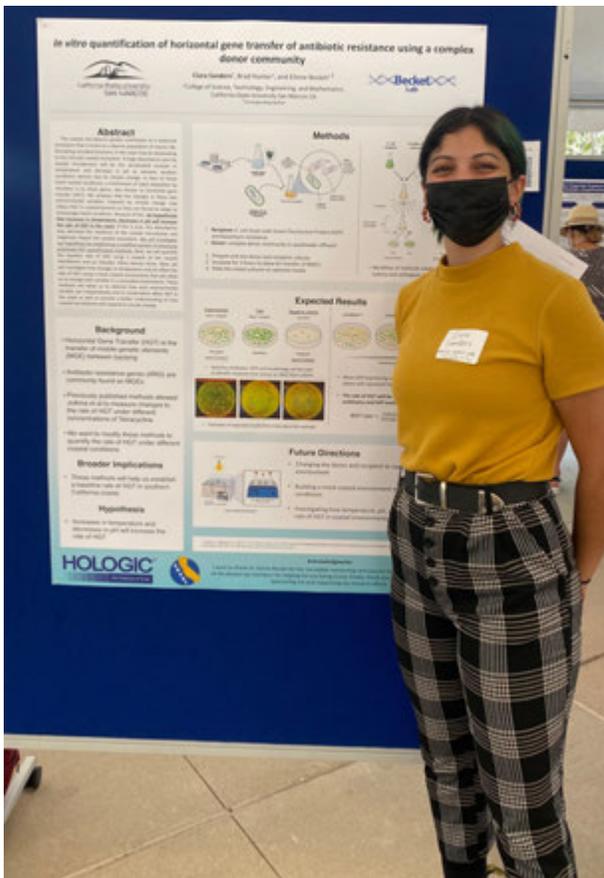
CSU San Marcos



BEFORE CSU SAN MARCOS, THE CAMPUS GROUNDS WERE HOME TO THE PROHOROFF POULTRY FARM. NEARLY 40 YEARS AGO, THE PROHOROFF POULTRY FARM WORKERS MET WITH CESAR CHAVEZ, WHO HELD DISCUSSIONS TO UNIONIZE FOR THE WORKERS OF THE FARM.

Competitors

GIARA SANDERS



How do antibiotics in the coast affect the transfer of antibiotic resistant genes?

Advisor: Dr. Elinne Becket

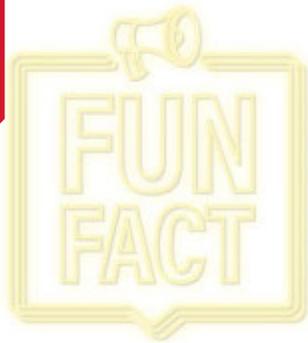
MICHELLE KANG



The Saturation Spectrum of Odd Cycles

Advisor: Dr. André Kündgen

Sonoma State University



THE SONOMA STATE MOTTO IS
"LUX MENTIS, LUX ORBIS"
(LIGHT OF THE MIND, LIGHT OF
THE WORLD).

Moderator



DEREK GIRMAN, PH.D.,
DIRECTOR OF GRADUATE STUDIES

Competitors

ZANE COOPER



Examining the effects of tree structure on
wildfire using voxelized terrestrial remote
sensing data and computational fluid dynamics
fire modeling

Advisor: Dr. Lisa Patrick Bentley

ALYSSA COOPER
FINALIST



Food Fight! Prey Competition
between Two Important Marine
Predators

Advisor: Dr. Brent B. Hughes

Stanislaus State

Judges

KAITLYN DAY,
RESEARCH
COORDINATOR FOR THE
OFFICE OF RESEARCH
AND SPONSORED
PROGRAMS



ASHLEY REEVES HUCKABY,
ADMINISTRATIVE
ANALYST/SPECIALIST IN THE
OFFICE OF RESEARCH AND
SPONSORED PROGRAMS

Competitors

TAWINDERJIT KAUR
FINALIST



**Breaking Gendered Stereotypes:
Second-generation Panjabi
Women's Perspectives of
Partnership and Education**

Advisor: Dr. Sevaughn Banks

RAINA CHELISE
FINALIST



**Dare to Play: Co-Creating Inviting
Spaces with Adult Learners**

Advisor: Dr. Virginia Montero Hernandez

GRAD SLAM 2022 WINNER

Jessica Gonzalez

CSU Northridge



**What is the Relationship between
Adverse Childhood Experiences
(ACEs) and Romantic Relationship
Satisfaction in Young Adults?**

Advisor: Dr. Judith DeBonis

GRAD SLAM 2022 RUNNER UP

Jacob Cambell

Cal Poly San Luis Obispo



**Defining Mixed-Race College Students:
Examining Graduation Gaps Between
Multiracial & Monoracial
Undergraduates**

Advisor: Dr. Sonia Ramrakhiani

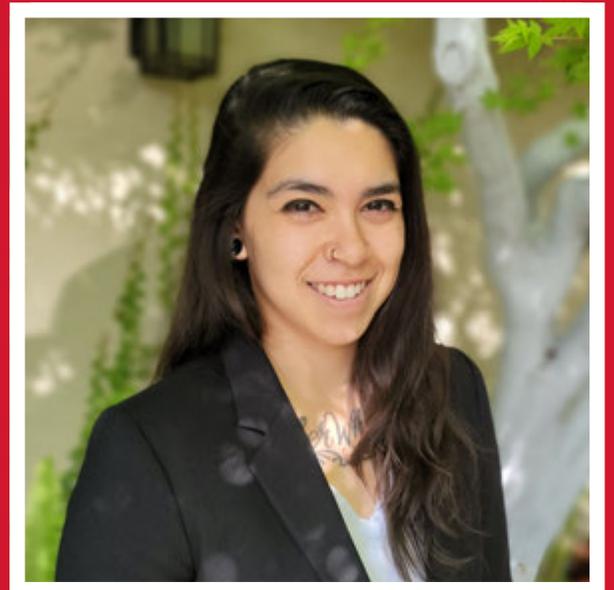
GRAD SLAM 2022 AUDIENCE CHOICE

Alyssa Cooper

Sonoma State University

**Food Fight! Prey Competition
between Two Important
Marine Predators**

Advisor: Dr. Brent B. Hughes



Production Team



Debra L. Jackson, PhD

Debra Jackson is a Professor of Philosophy and serves as Associate Vice President for Academic Affairs and Dean of Academic Programs at CSU Bakersfield. She received her B.A. in Philosophy from Middle Tennessee State University and her Ph.D. in Philosophy from Purdue University. Dr. Jackson's research focuses on epistemological issues regarding gender and race, especially with regard to sexual violence against women. She also serves as Principal Investigator for a 5-year, \$2,797,950 grant, "Promoting Excellence in Graduate Education and Increasing Hispanic STEM Related Degree Completion," from the U.S. Department of Education.



Luis Vega, PhD

Luis Vega, Ph.D. is a Professor of Psychology and is currently serving as Interim Associate Dean, Graduate & Undergraduate studies. Dr. Vega has been at CSUB for over 25 years and is a proud product of California's educational system (CCC, CSU, UC). Working at CSUB is his dream job and he sees himself in all our students looking for a better tomorrow.



Martha Manriquez

Martha Manriquez has been working in the Graduate Student Center for 9 years. She is currently a graduate student in the MA in Spanish program. Her favorite thing about CSUB is the campus community. She enjoys traveling and spending time with family and friends.

Facebook: <https://www.facebook.com/csubgsc>

Instagram: <https://www.instagram.com/csubgsc/>

Twitter: <https://twitter.com/csubgsc>

Linktree: <https://linktr.ee/CSUBgsc>



Adrienne Silva, MBA

Adrienne Silva has been working with graduate students since 2018. She enjoys both being a CSUB student for the MPA program and as staff for the Graduate Student Center, which allows her to guide prospective and current graduate students to achieve their career and educational goals.

She has experience working in several different industries and managing a work/school/life balance, which allows her to understand the needs and issues that can arise for many graduate students. Her goal in every meeting is to help you find the best path to achieve your goals!

Linkedin:

<https://www.linkedin.com/in/adriannesilva/>



Logan Reifsteck

Logan Reifsteck is a graduate student in the Educational Counseling program. He is also an administrative support coordinator in NSME grants and outreach. Logan is from Illinois and is a big Chicago Bears fan.



Jay Shyamdasani

Jay is currently a senior majoring in Business Administration. In his free time, Jay loves swimming, playing cricket, and traveling. Australia is the next place on his destination list.

He is very passionate about opening his own business right after graduating, and he is confident it will flourish in 5 years.



Mary Killeen Pena

Mary is a first-year graduate student in the English program and a Graduate Student Center student assistant. She is also a mother to two and a postpartum doula - runs her own business (Dyad Parenting Support) in Bakersfield.

Mary plans to teach college writing after graduation from CSUB and eventually pursue a Ph.D. She is originally from Seattle and enjoys going home for visits when she needs a break from the Bakersfield heat.



Nancy Vargas

Nancy is a third-year graduate student in the Counseling Psychology program. She is also a clinic manager and counselor trainee at the University Counselor Training Clinic which offers low-cost individual, couple, family, and group counseling services to members of the Bakersfield community.

Nancy is originally from Reedley, CA which is a small, agricultural town in Fresno County. In her free time, Nancy enjoys trying out new coffee shops and spending time with her cat.