



24TH ANNUAL RESEARCH &
CREATIVE WORKS SYMPOSIUM

CSUNPOSIUM

A STUDENT
SHOWCASE

Winner's List

CALIFORNIA STATE UNIVERSITY, NORTHRIDGE

3-Minute Oral Presentation (Session 1-6) Winner's List

Session 1

Graduate Students (Stage of Project: Complete)

First Place: Katherine Hannibal

Graduate, Department of Biology
Faculty Advisor: Steve Dudgeon
Title of Presentation: Disappearing Coastlines:
Impacts of Ocean Acidification and The Invasion of
Dasyatis japonica on Mytilus edulis.

Second Place: Jonathan Watts

Graduate, Department of Health Sciences
Faculty Advisor: Myriam Forster
Title of Presentation: Social Support as a Buffer
Between Adverse Childhood Experiences and
Compromised Mental Health in Early Adulthood

Session 2

Graduate Students (Stage of Project: Preliminary)

First Place: Renae Barassi & Siranush Palyan

Graduate, Department of Social Work
Faculty Advisor: Judith DeBonis
Title of Presentation: Child Welfare Involved Children in Palmdale: Identifying Predictors of Maltreatment
Recurrence

Session 3

Graduate Students (Stage of Project: Preliminary Stage)

**First Place: Tiffany Chapman,
Angel Arizpe, & Idania Brown**

Graduate, Department of Health Sciences
Faculty Advisor: Claudia Toledo-Corral
Title of Presentation: Association Between Sleep Quality, Body Adiposity, and Depressive Symptomology Among
Multi-Ethnic Young Adults at Risk of Type 2 Diabetes and Depression

Session 4

Undergraduate Students (Stage of Project: Completed)

First Place: Bianca Talebian

Undergraduate, Department of Mechanical
Engineering
Faculty Advisor: Peter Bishay
Title of Presentation: Can we fly an airplane with
wings that change their shape in flight?

Second Place: Nicole Babayans

Undergraduate, Department of Chemistry and
Biochemistry
Faculty Advisor: Gagik Melikyan
Title of Presentation: Toward new generations of
estrogen mimics: Cobalt-assisted stereoselective
synthesis of cyclopentanes and indanes

Session 5

Undergraduate Students (Stage of Project: Preliminary)

First Place: Gabriella Mendoza

Undergraduate, Department of Psychology
Faculty Advisor: Omar Ruvalcaba
Title of Presentation: I belong here: Instrumentality and Exclusion Predict a Sense of Belonging for
Underrepresented Students in Research Teams

Session 6

Undergraduate Students (Stage of Project: Preliminary)

First Place: Nicole Bisente

Undergraduate, Department of Biology

Faculty Advisor: Robert Espinoza

Title of Presentation: A continental survey of morphological variation among invasive house gecko populations

10-Minute Oral Presentation (Session 1-22) Winner's List

Session 1

Colleges of Science & Math and Social & Behavioral Sciences (Stage of Project: Completed)

Theme: Nature

First Place: Jennifer Fields

Graduate, Department of Biology

Faculty Advisors: Nyssa Silbiger

Title of Presentation: Cascading impacts of foundation species loss on ecosystem functioning within Oregon rocky intertidal

Second First: Trevor Ruppert

Graduate, Department of Biology

Faculty Advisor: Robert Espinoza

Title of Presentation: Phylogeographic analyses and field survey reveal origin and update distribution of an invasive amphibian in Southern California

Session 2

Colleges of Science & Math and Engineering & Computer Science (Stage of Project: Preliminary/Proposal)

First Place: Alison Franco

Graduate, Department of Geological Science

Faculty Advisor: Kathleen Marsaglia

Title of Presentation: Sand sources and routing options along the Hikurangi Margin: Using MARGINS source-to-sink results from the Waipaoa Sedimentary System to interpret Quaternary forearc and trench successions drilled on IODP Expeditions 372 and 375

Session 3

Colleges of Engineering & Computer Science, Social & Behavioral Sciences and Science & Math (Stage of Project: Completed)

Theme: Automation, Technology + Design

First Place: Tommy MacLennan & Adam Schlup

Undergraduate, Department of Mechanical Engineering

Faculty Advisors: Peter Bishay

Title of Presentation: MataMorph 2: A new experimental UAV with twist-morphing wing and camber-morphing tail stabilizers

Second Place: Alice Sin & Kimberly Hernandez Ramos

Undergraduate, Department of Psychology

Faculty Advisors: Elise Fenn

Title of Presentation: Source Credibility More Impactful Than Nonprobative Cues on the Spread of Misinformation Online

Session 4

Colleges of Health & Human Development and Arts, Media & Communication (Stage of Project: Completed)

First Place: Desiree Ramos

Graduate, Department of Journalism
Faculty Advisors: Richard Chambers and Melissa Wall
Title of Presentation: Understanding PTSD Through Veterans

Second Place: Mia Risberg, Michelle Alcantara, Isabella Agyapong & Christina Saucedo

Graduate, Department of Health Sciences
Faculty Advisors: Stephan Chung
Title of Presentation: Longitudinal Study of Association of E-Cigarette Use with Smoking Initiation, Cessation, and Reduction among adolescents and young adult

Session 5

Colleges of Social & Behavioral Sciences and Humanities (Stage of Project: Completed)

First Place: Kelly De Leon

Undergraduate, Department of Central American Studies and Chicana/o Studies
Faculty Advisors: Ramon Garcia
Title of Presentation: Resistance and Survival: Queer/ Cuír and Transgender Art Performances in Guatemala City

Second Place: Alana Parks

Undergraduate, Department of Psychology
Faculty Advisors: Justin Kantner
Title of Presentation: Cross-Language Activation in Bilinguals

Session 6

College of Science & Math (Stage of Project: Preliminary/Proposal)

First Place: Brian Cohn

Graduate, Department of Biology
Faculty Advisor: Kerry Nickols
Title of Presentation: Effects of an epiphytic bryozoan on the photosynthetic rate of the giant kelp *Macrocystis pyrifera*

Second Place: Jeffrey Esparza

Graduate, Department of Biology
Faculty Advisor: Fritz Hertel
Title of Presentation: Niche segregation of armadillos in the southern Pantanal

Session 7

College of Science & Math (Stage of Project: Preliminary/Proposal)

First Place: Alanis Hernandez

Undergraduate, Department of Biology
Faculty Advisor: Cristian Ruiz- Rueda
Title of Presentation: Probing interactions between genes in the vancomycin-resistance operon

Session 8

Colleges of Social & Behavioral Sciences, Science & Math and Health & Human Development

(Stage of Project: Preliminary/Proposal)

Theme: Human Health

First Place: Karla Luna

Undergraduate, Department of Biology

Faculty Advisor: Nola J Kennedy

Title of Presentation: Acute Electronic Cigarette

Exposure Decreases Heart Rate Variability in

C57BL/6 Mice

Second Place: Stephen Gonzalez, Daniel Saravia, Natasha Feldman & Roxana Lesso

Undergraduate, Department of Psychology

Faculty Advisor: Bradley McAuliff

Title of Presentation: Tell Me Everything You

Remember: Examining Children's Memory Across

Forensic Interviews

Session 9

College of Science and Math (Stage of Project: Completed)

First Place: Mary Hovanesyan

Undergraduate, Department of Biology

Faculty Advisor: Cindy Malone

Title of Presentation: Human iPS-Derived

Interneurons Enhance Functional Recovery After

Cortical Stroke

Second Place: Nicolle Martin

Undergraduate, Department of Biology

Faculty Advisor: Cindy Malone

Title of Presentation: Effect of Smooth Muscle Cell

Piezo1 in Mediating Biomechanical Stretch-Induced

Growth of the Small Bowel

Session 10

Colleges of Social & Behavioral Sciences and Humanities (Stage of Project: Preliminary/Proposal)

Theme: Interpreting Identities

First Place: Alyssa Rojas

Graduate, Department of Psychology

Faculty Advisor: Tara Fahmie

Title of Presentation: Preventing Severe Problem Behavior in Typically Developing Preschoolers

Session 11

Colleges of Social & Behavioral Sciences, Arts, Media & Communication, Education and Humanities

(Stage of Project: Completed)

Theme: Cultural Representation

First Place: Shelby McIntyre

Graduate, Department of Educational Psychology
and Counseling

Faculty Mentor: Merril Simon

Title of Presentation: How can Student Affairs

Professionals Counter Hate Speech on College

Campuses?

Second Place: Crystal Venegas

Graduate, Department of Psychology

Faculty Mentor: Meeta Banerjee

Title of Presentation: A Longitudinal Exploration of

Socio-cultural Factors on Mental Health in Latinx

Youth to Emerging Adulthood

Session 12

Colleges of Arts, Media & Communication, Science & Math and Social & Behavioral Sciences

(Stage of Project: Completed)

Theme: Human-Environment Interactions

First Place: Sarah Wenner

Graduate, Department of Biology

Faculty Mentor: Jeanne Robertson

Title of Presentation: Estimating spatial patterns of gene flow in the Blainville's horned lizard (*Phrynosoma blainvillii*) in an urbanized landscape

Session 13

College of Health & Human Development (Stage of Project: Preliminary/Proposal)

Theme: Health and Human Development

Second Place (tie): Idania (Dani) Brown, Tiffany Chapman & Angel Arizpe

Graduate, Department of Health Sciences

Faculty Mentor: Claudia Toledo-Corral

Title of Presentation: The Relationship Between Self-Compassion and Perceived Stressors Among Multi-Ethnic Young Adults with Increased Risk for Type 2 Diabetes

Second Place (tie): Nicole Stoehr

Graduate, Department of Kinesiology

Faculty Mentor: Jacob Hinkel-lipsker

Title of Presentation: Postural control of Lower Limb Amputees during Yoga Postures

Session 14

Colleges of Arts, Media & Communication, Social & Behavioral Sciences and Humanities

(Stage of Project: Completed)

Theme: Women/Gender

First Place: Elyse Durand

Undergraduate, Department of Theatre

Faculty Mentor: Ah-Jeong Kim

Title of Presentation: Silent Spring: A New Musical

Session 15

College of Science & Math (Stage of Project: Completed)

First Place: Jennica Moffat

Graduate, Department of Biology

Faculty Mentor: Casey terHorst

Title of Presentation: Investigating the Potential for Evolutionary Rescue by Association in a Model Cnidarian-Dinoflagellate Symbiosis

Session 16

College of Engineering & Computer Science (Stage of Project: Completed)

First Place: Arshak Amirbekyan

Graduate, Department of Mechanical Engineering

Faculty Mentor: Peter Bishay

Title of Presentation: Analysis of Composite Plates with Periodic Piezoelectric Patches

Session 17

College of Science & Math (Stage of Project: Completed)

First Place: Benjamin Cordova

Graduate, Department of Chemistry and Biochemistry

Faculty Mentor: Daniel Tamae

Title of Presentation: Investigating the metabolic and biological effects of Glyoxalase 1 inhibition in cancer cells

Session 18

College of Science & Math (Stage of Project: Preliminary/Proposal)

First Place: Matthew Green

Undergraduate, Department of Chemistry and

Biochemistry

Faculty Mentor: Joseph Teprovich

Title of Presentation: Gel Polymer Electrolytes for

Next generation Lithium Ion Batteries

Session 19

College of Science & Math (Stage of Project: Preliminary/Proposal)

First Place: Jesse Alindayu

Undergraduate, Department of Biology

Faculty Mentor: Cindy Malone

Title of Presentation: Structural and functional MRI
as biomarkers for repair processes following stem
cells therapy of white matter stroke

Second Place: Matthew Sabalo

Undergraduate, Department of Biology

Faculty Mentor: Cindy Malone

Title of Presentation: Characterization of iPSC
Derived Organoids from Fragile X Syndrome Patients

Session 20

Colleges of Social & Behavioral Sciences and Humanities (Stage of Project: Completed)

First Place: Stephanie Dunn

Graduate, Department of Psychology

Faculty Mentor: Debbie Ma and Justin Kantner

Title of Presentation: Mapping the Mental Representation of Biracial and Monoracial Faces

Session 21

College of Health & Human Development (Stage of Project: Completed)

First Place: Nikolas Morrison-Welch

Undergraduate, Department of Environmental and Occupational Health

Faculty Mentor: Crystal Rogers

Title of Presentation: Progranulin: Involvement in neuronal lysosomal function and neurodegenerative diseases

Graduate Students Completed Stage Poster Winners

College of Health & Human Development

First Place: Mia Risberg and Andrea

Ramirez

(Poster 62)

Graduate, Department of Health Sciences Faculty

Advisor: Suzanne Spear

Title of Presentation: Results from a Peer-Based
Overdose Prevention Program

Second Place: Vanessa Barajas and Nixie

Medellin (Poster 15, Completed)

Graduate, Department of Health Sciences Faculty

Advisor: Kacie Blackman

Title of Presentation: Development of the Infant
Feeding Measures Survey

Colleges of Humanities and Science & Math

First Place: Alejandra Fregozo

(Poster 39)

Graduate, Department of Chicano/a Studies

Faculty Advisor: Moshoula Capous-Desyllas

Title of Presentation: Pathways of Institutional Support: Understanding the Experiences of Latinx First-Generation
College Students as they Navigate their Education at CSUN

College of Social & Behavioral Science

First Place: Kari Tatoian

(Poster 85)

Graduate, Department of Social Work

Faculty Advisor: Judith DeBonis

Title of Presentation: A Systematic Review of the
Experience of Intimacy within Life-Limiting Illness

Second Place: Olivya Reyes and Gabriella

Hinojosa (Poster 60)

Graduate, Department of Psychology Faculty

Advisor: Scott Plunkett

Title of Presentation: Identifying the Relative
Importance of Various Internal Cognitive Processes
to Male and Female University Students' Depressive
Symptoms

Second Place: Melissa Montenegro and

Tita Murguia (Poster 68)

Graduate, Department of Social Work

Faculty Advisor: Judith DeBonis

Title of Presentation: Engaging Fathers in Child
Welfare Case Planning: A Secondary Analysis of
Administrative Data

Undergraduate Students Completed Stage Poster Winners

Colleges of Arts, Media & Communication and Business and Economics

**First Place: Jordan Haney and Katelyn Nguyen
(Poster 52)**

Undergraduate, Department of Art

Faculty Advisor: Joseph Bautista

Title of Presentation: Addressing Social Stigma with Communication Design

College of Engineering and Computer Science

**First Place: Alberto Aguilera, Francisco Pacheco, Carmen Garcia and James Lozano
(Poster 3)**

Undergraduate, Department of Mechanical Engineering

Faculty Advisor: Christoph Schaal

Title of Presentation: High Precision Multi-Axis

Positioning System for Nondestructive Testing

Second Place: Maria Verna Aquino (Poster 12)

Undergraduate, Department of Computer Science

Faculty Advisor: Carol Shubin

Title of Presentation: Does Instructor Rank Matter?

Grade Variation Among Math Courses at CSUN, 2005-2019

**Second Place: Samuel Aghazaryan
(Poster 9)**

Undergraduate, Department of Computer Science

Faculty Advisor: Katya Mkrtchyan, Tadeh Zirakian and David Boyajian

Title of Presentation: Identifying Strengths and Weaknesses of Educational Institutions

College of Health and Human Development

First Place: Laura Sandoval, Narbeh Abramian and Carven Lau (Poster 68)

Undergraduate, Department of Family and Consumer Sciences

Faculty Advisor: Rosalia Garcia

Title of Presentation: Orange Wine, the Comeback of an Ancient Wine Style

**Second Place: Olivia Bates
(Poster 4)**

Undergraduate, Department of Child and Adolescent Development

Faculty Advisor: Kandice Grote

Title of Presentation: Dual Immersion Teachers' Growth Mindset: An Investigation of New Curriculum Perceptions

Second Place: Victory Idehen (Poster 20)

Undergraduate, Department of Environmental and Occupational Health

Faculty Advisor: Claudia Toledo

Title of Presentation: Associations Between Environmental Indicators and Cortisol Levels in Minority Children Living in Los Angeles

College of Science and Math

First Place: Avedis Guedekelian and Barbara Czarnecka (Poster 47)

Undergraduate, Department of Biology

Faculty Advisor: Cristian Ruiz

Title of Presentation: Role of the AcrAB-tolC Pump in Growth and Motility in Escherichia Coli

Second Place: Arya Afzali and Sahar Rahnemabayat (Poster 2)

Undergraduate, Department of Biology

Faculty Advisor: David Bermudes

Title of Presentation: Isolation, Identification and Assessment of Heat Resistance in Psychrophiles from Chicken

Second Place: Maria Martone (Poster 66)

Undergraduate, Department of Biology

Faculty Advisor: Kerry Nickols

Title of Presentation: Phytoplankton Community Composition Inside and Outside Kelp Forests

College of Social and Behavioral Science

First Place: Jean Pauline Serrano (Poster 71)

Undergraduate, Department of Psychology

Faculty Advisor: Scott Plunkett

Title of Presentation: The Impact of Parent-Child Interparental Conflict and Interparental Conflict on Generalized Anxiety of Emerging Adults

Second Place: Iveta Velazquez, Ashley Tuang, Stephen Gonzalez and Victoria Wilson (Poster 82)

Undergraduate, Department of Psychology

Faculty Advisor: Debbie Ma

Title of Presentation: The Integrity of Gender and Ethnic Identities

Graduate Students Preliminary Stage Poster Winners

Colleges of Engineering and Computer Science and Humanities

**First Place: Maria Gutierrez
(Poster 50)**

Graduate, Department of Modern, Classical Languages and Literatures
Faculty Advisor: Adrian Perez-Boluda
Title of Presentation: Testimony as a Literary Genre

College of Health and Human Development

**First Place: Sophia Villicana and
Brittany York
(Poster 89)**

Graduate, Department of Family and Consumer
Sciences
Faculty Advisor: Annette Besnlian
Title of Presentation: My Plate Musical

**Second Place: Larisa Albers
(Poster 5)**

Graduate, Department of Health Sciences Faculty
Advisor: Myriam Forster
Title of Presentation: The Relationship Between
Adverse Childhood Experiences and Sleep Difficulties
Among Young Adult College Students

**Second Place: Charleen Hsieh, Juliette
Vaspra, Minying Li and Samy Elcott
(Poster 58)**

Graduate, Department of Family and Consumer
Sciences
Faculty Advisor: Annette Besnlian
Title of Presentation: Whole Body, Whole Health
Wellness Workshop

College of and Science and Math

**First Place: Jessica Glanz
(Poster 43)**

Graduate, Department of Biology
Faculty Advisor: Robert Carpenter
Title of Presentation: Small Mobile Invertebrates
May Help Ventilate Algal Diffusive Boundary Layer

**First Place: Angela Vela
(Poster 88)**

Graduate, Department of Biology
Faculty Advisor: Yoshie Hanzawa
Title of Presentation: Is it Time For Coffee? A Search
for Candidate Genes in Wild Soybean Populations

**Second Place: Alex Gilewski and
Emily Mallory (Poster 15)**

Graduate, Department of Chemistry and
Biochemistry
Faculty Advisor: Li Ye
Title of Presentation: Implementation of Concept
Maps and Creative Exercises to Bolster Conceptual
Understanding of Chemical Equilibrium and Acid-
base Chemistry

**Second Place: Justin Pardo
(Poster 52)**

Graduate, Department of Geological Science
Faculty Advisor: Jennifer Cotton
Title of Presentation: Secret Nuclear Meltdown?
Measuring Cesium-137 Concentration from
Environmental Samples to Determine Radiation
Exposure from the Santa Susana Field Laboratory,
Simi Valley, California

College of Social and Behavioral Science

First Place: Tu Tram Nguyen (Poster 46)

Graduate, Department of Social Work

Faculty Advisor: David McCarty

Title of Presentation: Coming Home vs. Coming Out:
How Cultural Dynamics Impact How LGBTQ+ Asian
Americans Come Out to Their Family

Second Place: Lauren Knox (Poster 28)

Graduate, Department of Psychology

Faculty Advisor: Stefanie Drew

Title of Presentation: In it to win it: The Importance
of Motivation in Learning in Virtual Reality
Environments

Second Place: Monica Montalvo, Christina Warner, Taylor Duncan and Negin Ghaffari (Poster 67)

Graduate, Department of Psychology

Faculty Advisor: Tara Fahmie

Title of Presentation: Prevention of the Emergence
of Problem Behavior in Preschoolers

Undergraduate Students Preliminary Stage Poster Winners

College of Health and Human Development

**First Place: Ana Carolina Fernandes
(Poster 37)**

Undergraduate, Department of Health Sciences
Faculty Advisor: Cheryl Van
Title of Presentation: Oxidative Damage May
Increase Sleep Need: Evidence from the Nematode
C. Elegans

**Second Place: Adrianna Rojas
(Poster 78)**

Undergraduate, Department of Health Sciences
Faculty Advisor: Stephanie Benjamin
Title of Presentation: Association Between Metal
Exposure and Maternal Autoantibodies: Potential
Role in Neurodevelopment

College of Science and Math

**First Place: Lizette Silva and
Raphael Angelo Zambrano
(Poster 83)**

Undergraduate, Department of Biology
Faculty Advisor: Melissa Takahashi
Title of Presentation: Increasing Antibiotic
Susceptibility with Antisense Molecules Designed to
Interfere with MicF Repression of OmpF

**First Place: Stephanie Hartel and
Katherine Ramirez
(Poster 53)**

Undergraduate, Department of Biology
Faculty Advisor: Gilberto Flores
Title of Presentation: Interactions between the
Probiotic Bacteria Akkermansia Muciniphila and the
Human Intestinal Cell Line Caco-2

**Second Place: Akemi Hinzer
(Poster 56)**

Undergraduate, Department of Chemistry and
Biochemistry
Faculty Advisor: Karin Crowhurst
Title of Presentation: Investigation of the Role of L66
in the Internal Dynamics of TrkB

**Second Place: Clarissa Nassar
(Poster 45)**

Undergraduate, Department of Biology
Faculty Advisor: Cheryl Buskirk
Title of Presentation: Discovering New C. Elegans
Sleep Genes

**Second Place: David Romero
(Poster 79)**

Undergraduate, Department of Chemistry and
Biochemistry
Faculty Advisor: Rachel Mackelprang
Title of Presentation: Analysis of Viral Community
Composition in Permafrost

College of Social and Behavioral Science

**First Place: Ricardo Salinas
(Poster 81)**

Undergraduate, Department of Psychology
Faculty Advisor: Meeta Banerjee
Title of Presentation: Community Violence and The Associations to Mental Health and Socioeconomic Factors

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