23rd ANNUAL RESEARCH & CREATIVE WORKS SYMPOSIUM

CSUNPOSIONUM

A STUDENT SHOWCASE

APRIL 5, 2019
8:30 AM - 4:00 PM

UNIVERSITY STUDENT UNION
CALIFORNIA STATE UNIVERSITY, NORTHRIDGE
April 5, 2019

Dear Student Participants, Faculty and Staff:

Welcome to the CSUNposium — also known as the 23rd Annual Student Research & Creative Works Symposium — at California State University, Northridge. We are pleased you can attend and see firsthand the impressive scholarship and research being conducted by our undergraduate and graduate students.

The opportunity to participate in academic research and creative activities is an important component of the educational experience available to students at CSUN. The poster and oral presentations at today’s symposium demonstrate our students’ dedication to research and scholarship. Their work addresses a variety of fundamental questions in the arts, sciences and technology.

The University’s distinguished faculty are at the heart of the research you see today. They are responsible for making possible and supporting the rich array of research and scholarly opportunities available to our students. As many of our alumni will tell you, working with their professors prepared them for success in advanced degree programs. As a result of these efforts, the National Science Foundation ranks CSUN as one of the nation’s top-rated master’s degree granting institutions for graduating students who later earn doctorates in Psychology, Science, Engineering, and Biology. Our commitment to traditionally underserved students is notable as well — the Hispanic Outlook in Higher Education ranked CSUN second in the nation for awarding Hispanic students degrees in Liberal Arts and Humanities, third in Psychology, fourth in Communication Studies and Journalism, and fifth in both Social Sciences and Visual and Performing Arts. Research and creative activity have played an important role in promoting achievement and success in these programs.

Please join us in thanking our students for their presentations and in celebrating their academic accomplishments.

Dianne F. Harrison
President

Suzie Theodoulou
Interim Provost

Crist Khachikian
Associate Vice President, Research & Graduate Studies
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Schedule of Events
Friday, April 5, 2019

8:00 AM  Check-In (packet pick-up)  
          *  USU Northridge Center

3-Minute Oral Presentations
8:30 AM  Session 1 All Disciplines- Undergraduates  
          USU Granada Room
          Session 2 All Disciplines-Graduates  
          USU Reseda Room
9:30 AM  Session 3 All Disciplines- Graduates  
          USU Reseda Room
          Session 4 All Disciplines- Undergraduates  
          USU Granada Room

8:30 AM  Morning 10-Minute Oral Presentations
          Session 1 College of AMC, HUM and S&BS  
          USU La Crescenta
          Session 2 College of AMC and S&BS  
          USU Panorama City
          Session 3 College of HHD and S&BS  
          USU Tujunga
          Session 4 College of CECS and HHD  
          USU Van Nuys
          Session 5 College of CECS, S&M and S&BS  
          USU Altadena Room
          Session 6 College of S&M  
          USU Burbank Room
          Session 7 College of S&M  
          USU Flintridge
          Session 8 College of S&M  
          USU Lake View Terrace
          Session 9 College of S&M  
          USU Pasadena Room
          Session 10 College of AMC, HUM and S&BS  
          USU Thousand Oaks Room
          Session 11 College of S&BS  
          USU Balboa Room

10:00 AM  Morning Poster Presentations  
          USU Northridge Center

12:00 PM  Lunch*  
          USU Northridge Center

12:30 PM  10-Minute Oral Presentations
          Session 12 College of CECS  
          USU La Crescenta
          Session 13 College of CECS  
          USU Panorama City
          Session 14 College of AMC and HUM  
          USU Tujunga
          Session 15 College of HUM and S&BS  
          USU Van Nuys
          Session 16 College of AMC, BUS and S&BS  
          USU Altadena Room
          Session 17 College of HUM  
          USU Burbank Room
          Session 18 College of S&M  
          USU Flintridge
          Session 19 College of CECS, S&M and S&BS  
          USU Lake View Terrace
          Session 20 College of S&M  
          USU Pasadena Room
          Session 21 College of HHD and S&BS  
          USU Thousand Oaks Room
          Session 22 College of HHD  
          USU Balboa Room
          Session 23 College of S&M  
          USU Granada Room

1:00 PM  Afternoon Poster Presentations  
          USU Northridge Center

3:30 PM  Awards Ceremony*  
          USU Grand Salon

*Refreshments will be served

AMC: Arts, Media, and Communication, BUS: Business and Economics, CECS: Engineering & Computer Science, EDU: Education,
# Faculty Mentors  
*(By College)*

<table>
<thead>
<tr>
<th>Social and Behavioral Science</th>
<th>Health &amp; Human Development</th>
<th>Science &amp; Math</th>
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<tr>
<td>Abraham Rutchick</td>
<td>April Taylor</td>
<td>Ana Cristina Cadavid</td>
<td>Sattar Taheri</td>
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<td>Allen Lipscomb</td>
<td>Amanda Miller</td>
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<td>Alyssa Arentoft</td>
<td>Annette Besnilian</td>
<td>Brenton Hammer</td>
<td>Steve Dudgeon</td>
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<td>Amalie Orme</td>
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<td>Casey terHorst</td>
<td>Taebom Oh</td>
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<td>Bradley McAuliff</td>
<td>Danielle Jarvis</td>
<td>Cheryl Van Buskirk</td>
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<td>David Boyns</td>
<td>Delia Karahalios</td>
<td>Chhandak Basu</td>
<td>Tim Karels</td>
<td>Kyle Dewey</td>
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<tr>
<td>David McCarty Caplan</td>
<td>Dena Herman</td>
<td>Cindy Malone</td>
<td>Tyler Luchko</td>
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<td>Debra Barry Malmberg</td>
<td>Edith Chen</td>
<td>Cristian Ruiz-Rueda</td>
<td>Veronica Jaramillo</td>
<td>Nhut Ho</td>
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<td>Elise Fenn</td>
<td>Elizabeth Sussman</td>
<td>Crystal Rogers</td>
<td>Wladimir Lyra</td>
<td>Peter Bishay</td>
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<td>Ellie Kazemi</td>
<td>Hessam Ghamari</td>
<td>Damian Christian</td>
<td>Yohannes Shifferaw</td>
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<td>Erica Wohldmann</td>
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<td>David Gray</td>
<td>Yoshie Hanzawa</td>
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<td>Gabriela Chavira</td>
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<td>Eric Kelson</td>
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<td>Holli Tonyan</td>
<td>Katherine McNamara</td>
<td>Fritz Hertel</td>
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<td>Hyun-Sun Park</td>
<td>Lawrence Chu</td>
<td>Gilberto Flores</td>
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<td>Jill Quilici</td>
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<td>Jill Razani</td>
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<td>Nancy Miodrag</td>
<td>Jennifer Cotton</td>
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<td>Justin Kantner</td>
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<td>Luciana Lagana</td>
<td>Shu-Sha Angie Guan</td>
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<td>Marquita Gammadge</td>
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<td>Moshoula Capous-Desyllas</td>
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<td>Rachel Giraudo</td>
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<td>Luca Ricci</td>
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<td><strong>Business &amp; Economics</strong></td>
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<td>Pamela Byrd-Williams</td>
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<td>Ah-Jeong Kim</td>
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<td>Michelle Rozic</td>
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<td>Patsy Cox</td>
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<td>Samantha Fields</td>
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<td>Stephanie Bluestein</td>
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CSUNPosium Judges
(By College)

Arts, Media & Communication
Daisy Lemus
Dave Keating
Frances Gateward
Julia Heinen
Peri Klemm
Taehyun Kim
Yue Zheng

Suzanne Spear
Virginia Huynh
Doris Abrishami
Ovande Furtado
Nola Kennedy
Paulo Marchetti

Humanities
Ana Sanchez-Munoz
David Grewe
Kimberly Embleton
Melisa Galvan
Sindhuja Bhakthavatsalam
Svetlana Tyutina

Oviatt Library
Ahmed Alwan
Christina Hennessey
Christina Mayberry
Delphia Williams
Ellen Jarosz
Liz Cheney
Yi Ding

Research & Graduate Studies
Amy Levin
Angel Vazquez-Lozada
Charlene Manzueta
Crist Khachikian
Jennifer Bloom
Sheree Schrager
Sherrie Hixon

Science & Math
Adriano Zambom
Ali Alsharadqah
Bobby Espinoza
Brenton Hammer
Chhandak Basu
Cindy Malone
Cristian Ruiz-Rueda
Cristina Cadavid
Crystal Rogers
Dana Harmon
Dave Gray

Faqiang Wu
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Kah Chunber
Kerry Nichols
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Lily Khadempoor
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Paula Fischhaber
Priya Ganguli
Ravi Abrol
Ray Hong
Rheem Medh
Sarah Traiger
Sean Murray
Tyler Luchko
Xu Zhang
Yoshie Hanzawa

Social & Behavioral Science
Allen Lipscomb
David McCarty-Caplan
Debbie Ma
Elise Fenn
Janet Oh
Jodi Brown
Justin Kantner
Lauren Willner
Marquita Gammage
Meeta Banerjee
Merril Simon
Stefanie Drew
Stephanie Hood
Susan Love
Tara Fahmie
Eli Bartle
Linda Alvarez
Margaret Shiffrar
Moshula Capous-Desyllas
Regan Maas
### 3-Minute Oral Presentation Session 1-4
**Session 1, Undergraduate Students, USU Grenada Room (8:30 AM - 9:06 AM)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter</th>
<th>Affiliation</th>
<th>Faculty Mentor</th>
<th>Abstract Title</th>
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<tbody>
<tr>
<td>8:30 AM</td>
<td>Sarah Harter</td>
<td>Undergraduate, Department of Physics and Astronomy</td>
<td>Luca Ricci</td>
<td>Imaging the Interaction between Planets and Young Disks with the ngVLA</td>
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<tr>
<td>8:36 AM</td>
<td>Federico Prokopczuk</td>
<td>Undergraduate, Department of Biology</td>
<td>Sattar Taheri</td>
<td>Investigating Intracellular Functions of Antimicrobial Peptides Using An Internal Gene Expression System</td>
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<td>8:42 AM</td>
<td>Kostantina Orselli</td>
<td>Undergraduate, Department of Biology</td>
<td>Cheryl Van Buskirk</td>
<td>Males, ever get tired?</td>
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<tr>
<td>8:48 AM</td>
<td>Michela Pacifici</td>
<td>Undergraduate, Department of Mechanical Engineering</td>
<td>Peter Bishay</td>
<td>Wind Tunnel Testing of Two New Morphing Wing Designs</td>
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<thead>
<tr>
<th>Time</th>
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<th>Affiliation</th>
<th>Faculty Mentor</th>
<th>Abstract Title</th>
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<tbody>
<tr>
<td>8:54 AM</td>
<td>Jean Tarakjian</td>
<td>Undergraduate, Department of Mechanical Engineering</td>
<td>Peter Bishay</td>
<td>Weight reduction in a new smart prosthetic hand design</td>
</tr>
<tr>
<td>9:00 AM</td>
<td>Michela Pacifici</td>
<td>Undergraduate, Department of Mechanical Engineering</td>
<td>Peter Bishay</td>
<td>Wind Tunnel Testing of Two New Morphing Wing Designs</td>
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### 3-Minute Oral Presentation
**Oral Presentation Session 2, Graduate Students, USU Reseda Room (8:30 AM - 9:24 AM)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter</th>
<th>Affiliation</th>
<th>Faculty Mentor</th>
<th>Abstract Title</th>
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<tbody>
<tr>
<td>8:30 AM</td>
<td>Jennifer Enriquez and Lorena Gonzalez</td>
<td>Graduate, Department of Social Work</td>
<td>Lauren Willner</td>
<td>Success in Higher Education: Resilient Factors of Former Foster Youth</td>
</tr>
<tr>
<td>8:36 AM</td>
<td>Anita Ebadi</td>
<td>Graduate, Department of Linguistics</td>
<td>Christina Scholten</td>
<td>Native and Non-native Speakers' Perceptions of Gendered Language</td>
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<tr>
<td>8:42 AM</td>
<td>Araceli Mercado and Valerie Kaites</td>
<td>Graduate, Department of Social Work</td>
<td>Lauren Willner</td>
<td>The Impact that Social Media has on Males</td>
</tr>
<tr>
<td>8:48 AM</td>
<td>Eric Lawrence</td>
<td>Graduate, Department of English</td>
<td>Danielle Spratt</td>
<td>Shirley Jackson's Work for Children</td>
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</tbody>
</table>


8:54 AM
Ejay Faralan
Graduate, Department of Social Work
Faculty Mentor: David McCarty Caplan
Abstract Title: Transgender Inclusion in the Service/Hospitality Industry

9:00 AM
Bianca Orozco
Graduate, Department of Social Work
Faculty Mentor: David McCarty-Caplan
Abstract Title: Transgender Inclusivity in Fitness Gyms

9:06 AM
Angel Garcia
Graduate, Department of Social Work
Faculty Mentor: David McCarty-Caplan
Abstract Title: Queer Spaces and LGB Identity in Ventura County California

9:12 AM
Daniel Wagner and Crystal Diaz
Graduate, Department of Psychology
Faculty Mentor: Debra Berry Malmberg
Abstract Title: Evaluation of a Language Skills Intervention for Children with Autism Spectrum Disorder

9:18 AM
Taylor Doty
Graduate, Department of Psychology
Faculty Mentor: Dr. Stefanie Drew
Abstract Title: Synesthesia and Creativity in Writing Tasks

3-Minute Oral Presentation
Session 3, Graduate Students, USU Reseda Room, (9:30 AM - 10:24 AM)

9:30 AM
Lluis Miquel Gonzalez Sola
Graduate, Department of Tourism, Hospitality and Recreation Management
Faculty Mentor: Jimmy Xie
Abstract Title: Key Factors That Can Make a Microstate an Attractive Destination for American Tourists: The Case of Andorra

9:36 AM
Luis Fernando Ruiz
Graduate, Department of Music
Faculty Mentor: John Roscigno
Abstract Title: A Graduate Voice Recital: Love, Heartache, and Everything in Between

9:42 AM
Nicole Christian
Graduate, Department of Communication Disorders and Sciences
Faculty Mentor: Amanda Miller
Abstract Title: Time to sing and sign: Using American Sign Language (ASL) to facilitate functional communication with children ages 0-3

9:48 AM
Donald Brolsma
Graduate, Department of Kinesiology
Faculty Mentor: Mai Jara
Abstract Title: Quality of Life and Physical Activity in People with Disability in Student Service Learning Program
9:54 AM
Jewel Bourne
Graduate, Department of Educational Leadership and Policies Studies
Faculty Mentor: Dimpal Jain
Abstract Title: Our Pathways towards Postsecondary Success: Critical Narratives of African American and Black Women in Community Colleges

10:00 AM
Adriana Conrad-Forrest
Graduate, Department of Kinesiology
Faculty Mentor: Danielle Jarvis
Abstract Title: Kinematic analysis of single-leg hopping in adults with and without autism spectrum disorder

10:06 AM
Tara Atrian
Graduate, Department of Journalism
Faculty Mentor: Melissa Wall
Abstract Title: Seeking Refuge: A Game in the Life of a Refugee Resettling in the United States

10:12 AM
Adrienne Sacks
Graduate, Department of Art
Faculty Mentor: Samantha Fields
Abstract Title: Roadside Memorial as Painting

10:18 AM
Andrea Lanter
Graduate, Department of Educational Psychology and Counseling
Faculty Mentor: Shyrea Minton
Abstract Title: Small Group Curriculum for Improving Mental Health in High-Achieving Student Populations

3-Minute Oral Presentation
Session 4, Undergraduate Students, USU Granada Room (9:30 AM- 10:24 AM)

9:30 AM
Angelica Leon
Undergraduate, Department of Finance, Financial Planning, and Insurance
Faculty Mentor: Inga Chira
Abstract Title: AN EXPLORATION OF TWO CAREER PATHS: INSURANCE AND ACCOUNTING

9:36 AM
Harrison Handel
Undergraduate, Department of Finance, Financial Planning, and Insurance
Faculty Mentor: Nanci Carr
Abstract Title: Cash, Card or Chip? Human Microchipping in the Workplace and Beyond

9:42 AM
Rosario Felix
Undergraduate, Department of Family and Consumer Sciences
Faculty Mentor: Hessam Ghamari
Abstract Title: The positive impact of nature-based design on students’ learning

9:48 AM
Jasmin Marie Rodriguez
Undergraduate, Department of Communication Disorders and Sciences
Faculty Mentor: Delia Karahalios
Abstract Title: Interdisciplinary Tinnitus Management
9:54 AM
Genesis Pia
Undergraduate, Department of Sociology
Faculty Mentor: Heidi Schumacher
Abstract Title: Comparing Gender in Ads: Applying Goffman's Theory in 2019

10:00 AM
Ashlee Monton
Undergraduate, Department of Political Science
Faculty Mentor: Heidi Schumacher
Abstract Title: Polarization in Media and its Influence on U.S. Political Ideologies

10:06 AM
Lissette Chavez
Undergraduate, Department of Anthropology
Faculty Mentor: Heidi Schumacher
Abstract Title: Symbolism in Traditional Weddings

10:12 AM
Dani Murillo
Undergraduate, Department of Sociology
Faculty Mentor: Heidi Schumacher
Abstract Title: Symbolic language and symbols in gay male subculture before Stonewall

10:18 AM
Konstanze Rausch
Graduate, Department of Art
Faculty Mentor: Samantha Fields
Abstract Title: Adaptability and Camouflage
**10-Minute Oral Presentation**

Session 1, Colleges of Arts, Media and Communication, Humanities, and Social and Behavioral Sciences, USU La Crescenta Room (8:30 AM - 11:20 AM)

8:30 AM
Phuong Nguyen
Graduate, Department of Linguistics
Faculty Mentor: Ruth-Hirrel, Laura
**Abstract Title:** How to get away with evasion

8:50 AM
Rizgar Mahmood
Graduate, Department of Linguistics
Faculty Mentor: Hyung-Jo Yoon
**Abstract Title:** Error Correction Feedback as an Effective Learning Tool: Perceptions of CSUN ESL/EFL Learners.

9:10 AM
Alison Riley-Knight
Graduate, Department of Linguistics
Faculty Mentor: Laura Hirrel
**Abstract Title:** Women can’t be surgeons!

9:30 AM
Ambria Dean
Graduate, Department of Communication Studies
Faculty Mentor: David Keating
**Abstract Title:** Responses to Sexual Assault Disclosures: An Application of the Risk Revelation Model

9:50 AM
Nicolette Hinojos
Graduate, Department of Journalism
Faculty Mentor: Melissa Wall
**Abstract Title:** #SheDoes: Advocating for Homeless Women

10:10 AM BREAK

10:20 AM
Malinda Hackett
Graduate, Department of English
Faculty Mentor: Sandra Stanley
**Abstract Title:** Reimagining the Role of the Female Detective in "The Reckoning"

10:40 AM
Alessandra Luppi
Graduate, Department of Social Work
Faculty Mentor: Hyun-Sun Park
**Abstract Title:** Self-Esteem in Young Women of Color: Does Hip-Hop have an Impact?

11:00 AM
Heather Anderson
Graduate, Department of Sociology
Faculty Mentor: Moshoula Capous-Desyllas
**Abstract Title:** Incarcerated Heroes and Their Return Home: A phenomenological Study Into the Reentry Experience of Female Inmate Firefighters as They Transition out of California’s Conservation Camp Program
8:30AM
Amy Zapata
Graduate, Department of Art
Faculty Mentor: Lesley Krane
Abstract Title: Queer Aztlan

8:50AM
Anastasia Crittenton
Graduate, Department of Journalism
Faculty Mentor: Stephanie Bluestein
Abstract Title: Watch the Queen Conquer: Intersectionality and the Interrogation of Power in Teen Vogue Social Media Coverage

9:10AM
Carolina Alzamora
Graduate, Department of Journalism
Faculty Mentor: Jessica Retis
Abstract Title: Urban and Social Space Contested: Haitian Migrants in Santiago of Chile

9:30AM
Darleen Principe
Graduate, Department of Journalism
Faculty Mentor: Jessica Retis
Abstract Title: Ethnicity and Media: Understanding the News Needs of U.S.-born Filipinos in Los Angeles

9:50AM
Ashley Frazier
Graduate, Department of History
Faculty Mentor: Susan Fitzpatrick-Behrens
Abstract Title: An Impediment to Development: Family Planning for Mexico’s Rural Population in theate- Twentieth Century

10:10AM BREAK

10:20AM
Vierre Stevenson
Graduate, Department of Social Work
Faculty Mentor: Allen Lipscomb
Abstract Title: Exploring the Emotional and Psychological Impact of Racial Identity Formation among Afro-Latinx People in the United States

10:40AM
Jennifer Ashley Booth
Graduate, Department of Social Work
Faculty Mentor: Jodi Brown
Abstract Title: Are Psychedelics the Future of Mental Health? - A Look into an FDA-Approved Clinical Trial

11:00AM
Jovon Riggins
Graduate, Department of Social Work
Faculty Mentor: Lauren Willner
Abstract Title: Examining the Effects of Employment on the Academic Engagement of Students Enrolled in a Part-Time MSW Program

11:20AM
Cassidy Butow
Graduate, Department of Sociology
Faculty Mentor: David Boyns
Abstract Title: The Impact of Predatory Lending on the Homeless Population
10-Minute Oral Presentation
Session 3, Colleges of Health and Human Development, and Social and Behavioral Sciences,
USU Tujunga Room (8:30 AM - 11:40 AM)

8:30AM
Gabrielle Emeka
Graduate, Department of Social Work
Faculty Mentor: Allen Lipscomb
Abstract Title: What are Social Workers Doing? Exploring Interventions Utilized with Children Who Have Sexually Assaulted and Abused Other Children.

8:50AM
Richard Baker
Graduate, Department of Social Work
Faculty Mentor: Allen Lipscomb
Abstract Title: Adultism in Latino Male Youth Experiences of School Discipline

9:10AM
Angel Lira
Graduate, Department of Social Work
Faculty Mentor: Allen Lipscomb
Abstract Title: Exploring the Experiences of First Generation Latino College Students and Dreamers

9:30AM
Susie Herrera
Graduate, Department of Social Work
Faculty Mentor: Lauren Willner
Abstract Title: Involvement in Student Services in the Community Colleges

9:50AM
Seth Sultan
Graduate, Department of Social Work
Faculty Mentor: Lauren Willner
Abstract Title: Somatic Experiencing in a School-Based Setting

10:10AM BREAK

10:20AM
Deana Payne
Graduate, Department of Sociology
Faculty Mentor: Moshoula Capous-Desyllas
Abstract Title: Cycle of Institutional Abuse: Examining the Experiences of Intimate Partner Victims within the Court System

10:40AM
Ckliara Moradian
Graduate, Department of Social Work
Faculty Mentor: Susan M Love
Abstract Title: Lip-Service or Tangible Change? Homeless Youth Act of 2018; An Intersectionality-Based Policy Analysis

11:00AM
Rima Hamawe and Amanda Garcia
Graduate, Department of Psychology
Faculty Mentor: Tara Fahmie
Abstract Title: Functional Analysis of Emerging Problem Behavior and Functional Skills In At-Risk Preschoolers

11:20AM
Jonathan Watts
Graduate, Department of Health Sciences
Faculty Mentor: Lawrence Chu
Abstract Title: Social, Emotional, and Academic Support as a Moderator Between Childhood Parental Incarceration and Early Adulthood Mental Health Outcomes
**10-Minute Oral Presentation**
Session 4, Colleges of Engineering and Computer Science and Health and Human Development,
USU Van Nuys Room (8:30 AM - 11:20 AM)

8:30AM
Nickeisha Williams and Kathy Reyes
Undergraduate, Department of Kinesiology
Faculty Mentor: Danielle Jarvis
**Abstract Title:** Kicking Kinematics in College Students with and without Autism Spectrum Disorder

8:50AM
Jamie Michelle Prudencio
Undergraduate, Department of Health Sciences
Faculty Mentor: Edith Chen
**Abstract Title:** Ulam, Malunggay, and MyPlate: Creating a Culturally Tailored Health Educator Guide for Filipino Americans

9:10AM
Samantha Torres, Jonathan Gonzalez, Brandon Matsuda and Alfredo Ortega
Undergraduate, Department of Kinesiology
Faculty Mentor: Danielle Jarvis
**Abstract Title:** The Kinematics of Lunging With and Without an Ankle Brace

9:30AM
Jemma Tiongson and Edward Reyes
Undergraduate, Department of Computer Science
Faculty Mentor: Li Liu
**Abstract Title:** Spinal Cord Injury Recovery (SCI Recovery)

9:50AM
Kevin Vartanian, David Pucio and Arshak Amirbekyan
Undergraduate, Department of Mechanical Engineering
Faculty Mentor: Peter Bishay
**Abstract Title:** Development of a New Light-Weight Low-Cost Prosthetic Hand

10:10AM  BREAK

10:20AM
Vanessa Jung
Undergraduate, Department of Environmental and Occupational Health
Faculty Mentor: Nola Kennedy
**Abstract Title:** Fungicide Ziram Induces Glutamatergic Synapse; Does Ziram Affect Potassium Channel Mutants?

10:40AM
Daisy Garcia
Undergraduate, Department of Kinesiology
Faculty Mentor: Danielle Jarvis
**Abstract Title:** The Effects of Increasing Shooting Distance on Angular Kinematics of the Jump Shot

11:00AM
Matthew Brown
Undergraduate, Department of Mechanical Engineering
Faculty Mentor: Christoph Schaal
**Abstract Title:** Visualization and Experimental Investigation of the Scattering of High-Intensity Focused Ultrasound Waves at Bone Tissue
10-Minute Oral Presentation
Session 5, Colleges of Engineering and Computer Science, Science and Math, and Social and Behavioral Sciences, USU Altadena Room (8:30 AM - 11:40 AM)

8:30AM
Thomas Perez
Undergraduate, Department of Computer Science
Faculty Mentor: Kyle Dewey
Abstract Title: CTL Dynamics: Insight into a Single Plausible Mathematically Driven Simulation of T-cell Activation Derived from Two Independent Research Papers.

8:50AM
Jennifer Portillo
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Ravinder Abrol
Abstract Title: Understanding G Protein Selectivity of Dopamine Receptors Using Computational Methods

9:10AM
Diana Blanco Hernandez
Undergraduate, Department of Physics and Astronomy
Faculty Mentor: Luca Ricci
Abstract Title: Imaging Substructures in Protoplanetary Disks with the ngVLA

9:30AM
Justin Bracks - No Longer Presenting
Undergraduate, Department of Physics and Astronomy
Faculty Mentor: Damien Christian
Abstract Title: Comparing Field Measurements with Specifications for Prototype HERA Feed.

9:50AM
Lizet Casillas
Undergraduate, Department of Physics and Astronomy
Faculty Mentor: Tyler Luchko

10:10AM  BREAK

10:20AM
Becky Flores
Undergraduate, Department of Physics and Astronomy
Faculty Mentor: Ian Crossfield
Abstract Title: Carbon Isotopic Ratios in M-dwarfs

10:40AM
Gerard Valdellon
Undergraduate, Department of Physics and Astronomy
Faculty Mentor: Wladimir Lyra
Abstract Title: Setting the Mass of Exoplanets

11:00AM
Salma Walker
Undergraduate, Department of Physics and Astronomy
Faculty Mentor: Damian Christian
Abstract Title: Characterization of Phosphorus-Bearing Molecules within the B1-a Protostar

11:20AM
Mony Sea
Undergraduate, Department of Geography
Faculty Mentor: Amalie Orme
Abstract Title: Utilizing Satellites to Monitor Gross Primary Productivity
### 10-Minute Oral Presentation

**Session 6, College of Science and Math, USU Burbank Room (8:30 AM - 11:20 AM)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter</th>
<th>Title</th>
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</table>
| 8:30AM | Benjamin Chubak | Graduate, Department of Biology
Faculty Mentor: Mark Steele
**Abstract Title:** Evaluating the Importance of Reef-Based Resources for Reproduction in a Temperate Reef Fish

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter</th>
<th>Title</th>
</tr>
</thead>
</table>
| 8:50AM | Alexis Estrada  | Graduate, Department of Biology
Faculty Mentor: Mark Steele
**Abstract Title:** Abalone (Haliotis ssp.) Recruitment at Santa Catalina Island

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter</th>
<th>Title</th>
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</thead>
</table>
| 9:10AM | Cameron Geller  | Graduate, Department of Biology
Faculty Mentor: Jonathan Kelber
**Abstract Title:** elf5A1/2 Activity as a Regulator of SLC3A2-Dependent Heterogeneity and Metastasis in Breast Cancer

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter</th>
<th>Title</th>
</tr>
</thead>
</table>
| 9:30AM | Sa La Kim       | Graduate, Department of Biology
Faculty Mentor: Jonathan Kelber
**Abstract Title:** Integrin Alpha 1 (ITGA1) Function in Mediating Pancreatic Cancer Cell Resistance to Microenvironment Stress

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter</th>
<th>Title</th>
</tr>
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<tbody>
<tr>
<td>9:50AM</td>
<td><strong>BREAK</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter</th>
<th>Title</th>
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</thead>
</table>
| 10:20AM| Erika Nava      | Graduate, Department of Biology
Faculty Mentor: Mark Steele
**Abstract Title:** The Effects of Marine Protected Areas on Fish Foraging Behavior

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter</th>
<th>Title</th>
</tr>
</thead>
</table>
| 10:40AM| Francesca Sanchez| Graduate, Department of Biology
Faculty Mentor: Jonathan Kelber
**Abstract Title:** Metastatic Breast Cancer Cells Release Lipocalin 2 to Induce a Tumor-Supportive Premetastatic Lung Microenvironment

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter</th>
<th>Title</th>
</tr>
</thead>
</table>
| 11:00AM| Timothy Simon   | Graduate, Department of Biology
Faculty Mentor: Lisa Banner
**Abstract Title:** Examining Cognitive Deficits in IIL-6 Deficient Mice in a High Fat Diet Induced Neuroinflammatory State
## 10-Minute Oral Presentation
Session 7, College of Science and Math, USU Flintridge Room (8:30 AM - 12:00 PM)

<table>
<thead>
<tr>
<th>Time</th>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30AM</td>
<td>Dallar Babaian</td>
<td>Abstract Title: Linking the Properties of Protoplanetary Disks and Their Host Stars in the Taurus Region</td>
</tr>
<tr>
<td>8:50AM</td>
<td>Michael Barton</td>
<td>Abstract Title: Calculating the Electrostatic Contribution of Tubulin Isotypes to the Stability of Microtubule Structures</td>
</tr>
<tr>
<td>9:10AM</td>
<td>Areli Castrejon</td>
<td>Abstract Title: Planet or Not? Disentangling the Signature of a Planet from Dynamical Instability in HD 141569</td>
</tr>
<tr>
<td>9:30AM</td>
<td>Bryan Dinh</td>
<td>Abstract Title: Robust Prediction of Solvent Solubility Using Chemical Fingerprints</td>
</tr>
<tr>
<td>9:50AM</td>
<td>Joshua Garrett</td>
<td>Abstract Title: Dust Evolution in the Late Stages of Planet Forming Disks</td>
</tr>
<tr>
<td>10:10AM</td>
<td></td>
<td>BREAK</td>
</tr>
<tr>
<td>10:20AM</td>
<td>Yoel Lencina Wendt</td>
<td>Abstract Title: An EPR study of Paramagnetic Ionic Liquids</td>
</tr>
<tr>
<td>10:40AM</td>
<td>Christopher Malek</td>
<td>Abstract Title: Assembling the Earth: Three Dimensional Models of Planetesimal Formation Via Streaming Instability</td>
</tr>
<tr>
<td>11:00AM</td>
<td>Alan Perstin</td>
<td>Abstract Title: Nonlinear Dynamics on a Novel Neural Network</td>
</tr>
<tr>
<td>11:20AM</td>
<td>Kristine Romich</td>
<td>Abstract Title: Intensity Fluctuations in Coronal Holes, Boundaries, and Adjacent Quiet-Sun Regions</td>
</tr>
<tr>
<td>11:40AM</td>
<td>Joshua Shevchuk</td>
<td>Abstract Title: Searching for LIGO Mergers by Using Planetary Disk Models</td>
</tr>
</tbody>
</table>
10-Minute Oral Presentation
Session 8, College of Science and Math, USU Lake View Terrace Room (8:30 AM - 12:20 PM)

8:30AM
Shehrazad Belas and Esther Navarro
Undergraduate, Department of Biology
Faculty Mentor: Cheryl Van Buskirk
Abstract Title: NPR-1 Overrides Stress Induced Sleep in Caenorhabditis Elegans

8:50AM
Natasha Carlson
Undergraduate, Department of Biology
Faculty Mentor: Cristian Ruiz Rueda
Abstract Title: Characterization of Carbanemem-Resistant Enterobacter cloacae Isolated from the Metro 167 Line

9:10AM
Jack Castaneda
Undergraduate, Department of Biology
Faculty Mentor: Mariano Loza-Coll
Abstract Title: Effect of Repeated Ethanol Intoxications on Drosophila Intestinal Stem Cells

9:30AM
Christopher Cerda
Undergraduate, Department of Biology
Faculty Mentor: Chhandak Basu
Abstract Title: Synthesis and Evaluation of Biodiesel Compounds in Arabidopsis thaliana and Nicotiana tabacum (Tobacco)

9:50AM
Janine Cisneros Desir and Marlon Johnson
Undergraduate, Department of Biology
Faculty Mentor: Cheryl Van Buskirk
Abstract Title: csn18, The Characterization of a Novel Sleep Gene

10:10AM
BREAK

10:20AM
Carolina Gonzalez
Undergraduate, Department of Biology
Faculty Mentor: Jonathan Kelber
Abstract Title: Functional Studies of RAI14 During Microenvironment Remodeling and Progression in Pancreatic cancer

10:40AM
Roland Lacap, Natalie Dahan and Samantha Hain
Undergraduate, Department of Biology
Faculty Mentor: Maria Elena de Bellard
Abstract Title: The Roles of CXCR4 and CXCR7 in Melanocyte and Melanoma Motility

11:00AM
Nicolas Lopez
Undergraduate, Department of Biology
Faculty Mentor: Cristian Ruiz-Rueda
Abstract Title: Whole Genome Sequencing and Characterization of a Carbapenem Resistant Pseudomonas alkylphenolica Strain Isolated from Urban Soil in Los Angeles

11:20AM
Vanessa Muhl
Undergraduate, Department of Biology
Faculty Mentor: Cheryl Van Buskirk
Abstract Title: Identifying Novel Sleep Genes in C. Elegans Could Shed Light on Sleep Need in Humans.

11:40AM
Yasmeen Nizam
Undergraduate, Department of Biology
Faculty Mentor: Jonathan Kelber
Abstract Title: Integrin Alpha 1 (ITGA1) Function in Mediating Pancreatic Cancer Cell Survival Through Transmissible Endoplasmic Reticulum Stress (TERS) Response

12:00PM
Jessica Yamauchi
Undergraduate, Department of Biology
Faculty Mentor: Robert Espinoza
Abstract Title: How Goes Ontogeny Affect Changes in the Gut Microbiome of the American Bullfrog?
10-Minute Oral Presentation
Session 9, College of Science and Math, USU Pasadena Room (8:30 AM - 11:20 AM)

8:30AM
Meaghan Clark
Graduate, Department of Biology
Faculty Mentor: Jeanne Robertson
Abstract Title: Tasting the Rainbow: Geographic Variability in Palatability and Color Pattern in Red-Eyed Treefrogs

8:50AM
Emma Collosi
Graduate, Department of Biology
Faculty Mentor: Jeanne Robertson
Abstract Title: Evolutionary Conflict and Cryptic Coloration in Field Crickets

9:10AM
Matthew Dickson
Graduate, Department of Biology
Faculty Mentor: Robert Espinoza
Abstract Title: Variation in Integument Ultrastructure among Introduced Populations of Mediterranean House Geckos

9:30AM
Jeffrey Esparza
Graduate, Department of Biology
Faculty Mentor: Fritz Hertel
Abstract Title: Niche Segregation of Armadillos in the Southern Pantanal

9:50AM
BREAK

10:10AM
Jacob Holmes
Graduate, Department of Biology
Faculty Mentor: Fritz Hertel
Abstract Title: Geometric Morphometric Analysis of Humeri in New and Old World Vultures

10:20AM
Rachel Larson
Graduate, Department of Biology
Faculty Mentor: Tim Karels
Abstract Title: Urbanization and its Effects on Resource Use in Coyotes in Southern California

10:40AM
Dillon Monroe
Graduate, Department of Biology
Faculty Mentor: Robert Espinoza
Abstract Title: A Comparison of Traditional and Citizen-Science Based Approaches to Inferring the Distribution of an Invasive House Gecko in Texas

11:00AM
Trevor Ruppert
Graduate, Department of Biology
Faculty Mentor: Robert Espinoza
Abstract Title: Identifying the Physiological Limitations to Dispersal and Persistence of an Invasive Amphibian (Xenopus laevis)
10-Minute Oral Presentation
Session 10, Colleges of Arts, Media and Communication, Humanities, and Social and Behavioral Sciences, USU Thousand Oaks Room (8:30 AM - 11:40 AM)

8:30AM
Celia Velazquez
Undergraduate, Department of English
Faculty Mentor: Heidi Schumacher
Abstract Title: Oppression of Black Women in the 19th Century

8:50AM
Danielle Snali
Undergraduate, Department of Religious Studies
Faculty Mentor: Heidi Schumacher
Abstract Title: Power, Marriage, and Authority: A Historical Analysis of Paul of Tarsus’ View on Women in First-Century Mediterranean Society

9:10AM
Jazmine Piatt
Undergraduate, Department of History
Faculty Mentor: Heidi Schumacher
Abstract Title: Mother & Daughter Conflict: Intergenerational Differences Amongst Immigrants in the Late 20th Century

9:30AM
Merlin Naranjo, Michelle Andrea Moreno and Omar Ruvalcaba
Undergraduate, Department of Psychology
Faculty Mentor: Omar Ruvalcaba
Abstract Title: Exploring the Experiences of Women in the Technology Industry

9:50AM
Hannah Mangum-No Longer Presenting
Undergraduate, Department of Sociology
Faculty Mentor: Lauren McDonald
Abstract Title: Social Media as an Emerging Pathway to Commercial Sexual Exploitation: Exploring Experiences of Social Service Providers Working with Female Youth Age 10-18 in the Foster Care System

10:10AM   BREAK
10:20AM
Andrea Espinoza
Undergraduate, Department of Cinema and Television Arts
Faculty Mentor: Dianah Wynter
Abstract Title: Modernist and Postmodernist Aesthetics in Man on the Moon

10:40AM
Katherine Franco
Undergraduate, Department of Cinema and Television Arts
Faculty Mentor: Dianah Wynter
Abstract Title: Symbolic Annihilation in Queer Films

11:00AM
Bryant Martinez
Undergraduate, Department of English
Faculty Mentor: Heidi Schumacher
Abstract Title: YA in Today’s Classrooms

11:20AM
Virginia Gomez
Undergraduate, Department of Gender and Women's Studies
Faculty Mentor: Heidi Schumacher
Abstract Title: The Intersections of Gender and Class in The Feminist #NiUnaMenos Movement In Argentina
10-Minute Oral Presentation
Session 11, College of Social and Behavioral Sciences, USU Balboa Room (8:30 AM - 11:40 AM)

8:30AM
Daniel Larranaga
Graduate, Department of Psychology
Faculty Mentor: Stefanie Drew
Abstract Title: Neuroscience of Language Processing on Different Commercial EEG Systems

8:50AM
Matthew Leitao
Graduate, Department of Psychology
Faculty Mentor: Abraham Rutchick
Abstract Title: Obedience to Computerized Authority

9:10AM
Robert Montgomery
Graduate, Department of Psychology
Faculty Mentor: Abraham Rutchick
Abstract Title: Folk Theories of Smartphones: Implications of Relationships with Personal Mobile Technology

9:30AM
Brianna Herrera - No Longer Presenting
Graduate, Department of Psychology
Faculty Mentor: Ellie Kazemi
Abstract Title: Training the Necessary Skills for Data Collection Using a Computer-based Instruction Program

9:50AM
Roxana Lesso
Graduate, Department of Psychology
Faculty Mentor: Elise Fenn
Abstract Title: Does the relationship between Observers’ trait Empathy and Deception accuracy depend on Truth-teller and Liar Transparency

10:20AM
Robert Mosher - No Longer Presenting
Graduate, Department of Psychology
Faculty Mentor: Stefanie Drew
Abstract Title: Examining Changes in Oculomotor Function After Immersive Virtual Reality Use

10:40AM
Tanya Oleskowicz
Graduate, Department of Psychology
Faculty Mentor: Sara Berzenski
Abstract Title: The Potential Efficacy of Methylphenidate in Depersonalization/Derealization Disorder

11:00AM
Adisa Ptah and Coral Florian
Graduate, Department of Psychology
Faculty Mentor: Ellie Kazemi
Abstract Title: Extending the Reach of Behavior Analysis to Fire Safety Training

11:20AM
Mineh Sahakian
Graduate, Department of Psychology
Faculty Mentor: Elise Fenn
Abstract Title: Examining Interviewers’ Credibility Detection based on Displayed Level of Empathy

10:10AM BREAK
10-Minute Oral Presentation
Session 12, College of Engineering and Computer Science,
USU La Cresenta Room (12:30 PM - 2:30 PM)

12:30PM
Salvador Gutierrez, Rodrigo Padilla, Marc Rivas and James Urquilla
Undergraduate, Department of Mechanical Engineering
Faculty Mentor: Shadi Mahjoob
Abstract Title: Computational and Experimental Evaluation of Airfoils for an Aircraft with a Mounted Autonomous Glider

12:50PM
Safaa Almusa, Souren Grigoryan, Ali Alfarsi, Mohammad Alesmaeel, Safaa Almusa, Joao Queda, Emilio Diaz and David Boyajian
Undergraduate, Department of Civil Engineering and Construction Management Technology
Faculty Mentor: Tadeh Zirakian
Abstract Title: Variation of Hydraulic Flow relative to Fluid friction

1:10PM
George Aquino, David Pucio, Jorge Sanchez and Ryan Bratcher
Undergraduate, Department of Civil Engineering and Construction Management technology
Faculty Mentor: Sami Maalouf
Abstract Title: Estimating the Service Life of Corrugated Steel Pipes

1:30PM
Liad Golan
Undergraduate, Department of Computer Science
Faculty Mentor: Kyle Dewey
Abstract Title: Generating Harmonic and Melodic Musical Fractals using L-System Grammars to Generate a Fractal Musical Score

1:50PM
Michael Munje
Undergraduate, Department of Computer Science
Faculty Mentor: Kah Chun Lau
Abstract Title: Predicting Ionic Liquids Properties using Machine Learning

2:10PM
Lakin Welch and Brice Ruder
Undergraduate, Department of Mechanical Engineering
Faculty Mentor: Peter Bishay
Abstract Title: Matamorph 1: A New Experimental UAV With Span-Morphing Wing and Camber-Morphing Tail

10-Minute Oral Presentation
Session 13, College of Engineering and Computer Science,
USU Panorama City Room (12:30 PM - 2:30 PM)

12:30PM
Julian Rodriguez
Graduate, Department of Mechanical Engineering
Faculty Mentor: Peter Bishay
Abstract Title: Experimental and Computational Analysis of Periodic Laminated Fiber-Reinforced Composite Beams

12:50PM
Cesar Gonzales
Graduate, Department of Mechanical Engineering
Faculty Mentor: Christoph Schaal
Abstract Title: Autonomous Robotic Platform Used for Mapping and Inspection Using Lamb Waves

19
1:10PM
Utsav Poudel
Graduate, Department of Electrical and Computer Engineering
Faculty Mentor: Sembiam Rengarajan
Abstract Title: A Study of Firefly Algorithm, Ant Colony Optimization, and Artificial Bee Colony Algorithm

1:30PM
Edwin Rebollo
Graduate, Department of Electrical and Computer Engineering
Faculty Mentor: Sembiam Rengarajan
Abstract Title: Comparison of DE, BBO, and TLBO Algorithms for Applications in Electromagnetics

1:50PM
Seyed Sajjadi, Luis Abularach, Anthony Bautista and Andrew Espindola
Graduate, Department of Mechanical Engineering
Faculty Mentor: Nhut Ho
Abstract Title: Search and Rescue with Artificial Intelligence

2:10PM
David Sanford
Graduate, Department of Mechanical Engineering
Faculty Mentor: Christoph Schaal
Abstract Title: Obstructed High Intensity Focused Ultrasound: Hydrophone and Thermocouple Measurements of Developed Focal Regions

10-Minute Oral Presentation
Session 14, Colleges of Arts, Media and Communication, and Humanities
USU Tujunga Room, (12:30 PM - 2:30 PM)

12:30PM
Lindsay Jenkins
Graduate, Department of Theatre
Faculty Mentor: Ah-Jeong Kim
Abstract Title: Ritual Performance in Wakanda: How Black Panther Got It Right

1:30PM
Ji Choe
Graduate, Department of Music
Faculty Mentor: John Roscigno
Abstract Title: Overview of Master of Music Recital for Ji Yun Choe, Soprano

12:50PM
Thaddeus Nagey
Graduate, Department of Theatre
Faculty Mentor: Ah-Jeong Kim
Abstract Title: Straw Buried Fields, Forever: Theatre for Social Change

1:50PM
Monique Gevorkian and Scott Wolfe
Graduate, Department of Communication Studies
Faculty Mentor: John Kephart
Abstract Title: Speaking with Conviction: Increasing Student Engagement in the Classroom

1:10PM
Karen Casady
Graduate, Department of English
Faculty Mentor: Michael Bryson
Abstract Title: Fresh Meat: On Producing One's Play

2:10PM
Janice Robinson and Jessica Stewart
Graduate, Department of English
Faculty Mentor: Morris Johnson
Abstract Title: Music and Healing: The Beat of the Drum
10-Minute Oral Presentation
Session 15, Colleges of Humanities and Social and Behavioral Sciences
USU Van Nuys, (12:30 PM - 2:50 PM)

12:30PM
Kevin Ginosian
Undergraduate, Department of English
Faculty Mentor: Heidi Schumacher
Abstract Title: The Reality of the Rapper: Did Money Change Hip Hop?

12:50PM
Lyrianne Gonzalez
Undergraduate, Department of Chicano/a Studies
Faculty Mentor: Melisa Galvan
Abstract Title: Children of Braceros: Familial Ties, Education, and Political Activism, 1942-2018

1:10PM
Vanessa Lopez
Undergraduate, Department of English
Faculty Mentor: Heidi Schumacher
Abstract Title: Postmodern Rhetorics, Ambiguity and the Absurd

1:30PM
Gabriella Mendoza and Jazmin Baeza
Undergraduate, Department of Psychology
Faculty Mentor: Omar Ruvalcaba
Abstract Title: Cultural Differences in Latino-heritage and European-heritage Students’ Participation in University Contexts

1:50PM
Marvin Pineda
Undergraduate, Department of Psychology
Faculty Mentor: Erica Wohldmann
Abstract Title: Creating Connection: Does Nature Immersion Promote Environmentalism?

2:10PM
Kevin Ramirez
Undergraduate, Department of History
Faculty Mentor: Heidi Schumacher
Abstract Title: Freezing El Salvador During the Cold War: How U.S. Economic and Military Aid Disregarded Human Rights

2:30PM
Lisa Reyes
Undergraduate, Department of Anthropology
Faculty Mentor: Rachel Giraudo
Abstract Title: Assessing tourist behavior and social cohesion within the fan subcultures of Bravo! Reality Television.

10-Minute Oral Presentation
Session 16, Colleges of Arts, Media and Communications, Business and Economics, and Social and Behavioral Sciences, Altadena Room, (12:30 PM - 2:10 PM)

12:30PM
Negin Azamian
Undergraduate, Department of Finance, Financial Planning, and Insurance
Faculty Mentor: Inga Chira
Abstract Title: Do As I Tell You, Not As I Do.

12:50PM
Carl Canyon
Undergraduate, Department of Business Law
Faculty Mentor: Hilary Silvia Goldberg
Abstract Title: The Implications of Corporate Data Collection on Individual Privacy Rights
1:10PM
Sebastian Corral, Juan Smith and Katherine Loera
Undergraduate, Department of Cinema and Television Arts
Faculty Mentor: Dianah Wynter
Abstract Title: In imminent Lawless Action and the Internet

1:50PM
Michael Shaheen
Undergraduate, Department of Business Law
Faculty Mentor: Kurt Saunders
Abstract Title: Data Collection and Consumer Privacy Law

1:30PM
Daniel Saravia, Natasha Feldman and Matthew Leitao
Undergraduate, Department of Psychology
Faculty Mentor: Bradley McAuliff
Abstract Title: Out of the Mouths of Babes: The Effect of Refreshed Recollections on Children's Reports During Interviews

10-Minute Oral Presentation
Session 17, College of Humanities, USU Burbank Room, (12:30 PM - 2:30 PM)

12:30PM
Marisela Gomez
Graduate, Department of English
Faculty Mentor: Katharine Haake
Abstract Title: Voces de Las Mujeres in My Family

12:50PM
Caitlin Hawkins
Graduate, Department of English
Faculty Mentor: Danielle Spratt
Abstract Title: Mirrors, Doubles, and Green-Colored Glasses: Acceptable and Unacceptable Deviancy in Capote’s Other Voices, Other Rooms

1:10PM
Gema Ludisaca
Graduate, Department of English
Faculty Mentor: Jackie Stallcup
Abstract Title: Modern Anxieties and Satirical Horror: Projections of Cultural Fears in American Horror Story (Cult)

1:30PM
Maseri Kisa Schultz
Graduate, Department of English
Faculty Mentor: Jackie Stallcup
Abstract Title: The Little Dragonologist: Getting Lost in Children’s Fiction

1:50PM
Jessica Stewart and Janice Robinson
Graduate, Department of English
Faculty Mentor: Irene Clark
Abstract Title: Pedagogical Disobedience: A pluralist employment of Text in the Writing Class

2:10PM
Modje Taavon
Graduate, Department of English
Faculty Mentor: Michael Bryson
Abstract Title: Convey Flames, Not Ashes: The Ethics of Translation, Literary Criticism, and the Poetry of Nizar Qabbani
10-Minute Oral Presentation
Session 18, College of Science and Math, USU Flintridge Room (12:30 PM - 1:50 PM)

12:30PM
Cristina Alcaraz
Graduate, Department of Biology
Faculty Mentor: Rachel Mackelprang
Abstract Title: Antibiotic Resistance in Ancient Permafrost Microbial Communities.

12:50PM
Jamie Goodman
Graduate, Department of Biology
Faculty Mentor: Gilberto Flores
Abstract Title: Functional Predictions of Algal Necromass Degradation in an Intertidal Photosynthetic Microbial Mat

1:10PM
Erik Hearn
Graduate, Department of Biology
Faculty Mentor: Gilberto Flores
Abstract Title: Bile Salt Stress Response by Human Symbiont Akkermansia Muciniphila

1:30PM
Ashley McCarley
Graduate, Department of Biology
Faculty Mentor: Cristian Ruiz Rueda
Abstract Title: Isolation and Characterization of Carbapenem-Resistant Bacteria from Southern California’s Natural Waterways

10-Minute Oral Presentation
Session 19, Colleges of Engineering and Computer Science, Science and Math, and Social and Behavioral Sciences, USU Lake View Terrace Room, (12:30 PM - 2:10 PM)

12:30PM
Jennifer Kampe
Graduate, Department of Mathematics
Faculty Mentor: Huan Qin
Abstract Title: Predicting Zeros of the Riemann Zeta Function Using Machine Learning

12:50PM
Sina Kashkuli
Graduate, Department of Mechanical Engineering
Faculty Mentor: Shadi Mahjoob
Abstract Title: Numerical Modeling of Bioheat Transfer for Microwave Ablation Cancer Treatment

1:10PM
Christopher Notto
Graduate, Department of Geography
Faculty Mentor: Amalie Orme
Abstract Title: Examining The Physical Habitat Of Coastal Rainbow Trout Downstream Of Big Tujunga Dam, California

1:30PM
Justin Pardo
Graduate, Department of Geological Science
Faculty Mentor: Jennifer Cotton
Abstract Title: Secret nuclear meltdown? Measuring 137Cs concentration from tree cores to determine radiation exposure from the Santa Susana Field Laboratory, Simi Valley, California

1:50PM
Marcella Rose- No Longer Presenting
Graduate, Department of Geography
Faculty Mentor: Amalie Orme
Abstract Title: Fine-Scale Delineation of Vegetated Dune Fields and Potential for Topographic Change on the Black Rock Playa, NV
**10-Minute Oral Presentation**  
**Session 20, College of Science and Math, USU Pasadena Room, (12:30 PM - 2:10 PM)**

1:50PM  
**Dulce Alvarado**  
Graduate, Department of Biology  
Faculty Mentor: Cindy Malone  
**Abstract Title:** Characterization of EIF4B Putative Promoter Region

1:30PM  
**Paramin Sangthongkam**  
Graduate, Department of Biology  
Faculty Mentor: Ray Hong  
**Abstract Title:** Key Genes Governing Odor-Mediated Paralysis in a Nematode Shares a Pathway with an Ancient Nematocide

12:50PM  
**Gavin Long**  
Graduate, Department of Biology  
Faculty Mentor: Cindy Malone  
**Abstract Title:** Characterizing the Putative Promoter of FANCI

1:50PM  
**Alexander Underwood**  
Graduate, Department of Biology  
Faculty Mentor: Cindy Malone  
**Abstract Title:** Deciphering a Puzzle Piece Mapping of the Constitutive Promoter Region of Splicing Factor 3 Subunit 3 SF3B3

1:10PM  
**Jonathan Salazar**  
Graduate, Department of Biology  
Faculty Mentor: Cindy Malone  
**Abstract Title:** Characterizing the Putative Promoter Region of RBPJ

**10-Minute Oral Presentation**  
**Session 21, Colleges of Health and Human Development and Social and Behavioral Sciences, USU Thousand Oaks Room, (12:30 PM - 2:30 PM)**

12:30PM  
**Alyssa Granillo**  
Graduate, Department of Kinesiology  
Faculty Mentor: Mai Jara  
**Abstract Title:** Improving Quality of Life Through Aquatic Exercise: Experiences of People with Mild Alzheimer’s Disease

1:30PM  
**Shely Salemnia**  
Graduate, Department of Family and Consumer Sciences  
Faculty Mentor: Rosalia Garcia-Torres  
**Abstract Title:** Red, White, and...Orange? A New Look into an Old Wine Style

12:50PM  
**Mariah Haroon**  
Graduate, Department of Family and Consumer Sciences  
Faculty Mentor: Annette Besnilian  
**Abstract Title:** Calahan Chicken Project

1:50PM  
**Nicole Stoehr**  
Graduate, Department of Kinesiology  
Faculty Mentor: Jacob Hinkel-Lipsker  
**Abstract Title:** Unexpected obstacles: differences in perception and motor behavior post exercise

1:10PM  
**Nina Heumann and Theodore Mitchell**  
Graduate, Department of Family and Consumer Sciences  
Faculty Mentor: Nelida Duran  
**Abstract Title:** Glucose-6-Phosphate Dehydrogenase Deficiency: Time for Universal Screening

2:10PM  
**Anahid Bajikian**  
Graduate, Department of Psychology  
Faculty Mentor: Erica Wohlmann  
**Abstract Title:** Examining the Role of Nutritional Knowledge and Food Packaging on Health Perceptions
10-Minute Oral Presentation
Session 22, College of Health and Human Development, USU Balboa Room (12:30 PM - 2:30 PM)

12:30PM
Rachel Abergel
Graduate, Department of Kinesiology
Faculty Mentor: Danielle Jarvis
Abstract Title: The Correlation Between Fatigue and Injury Incidence with Regards to Lower Extremity Landing Mechanics in Dancers

1:30PM
Isabel Lorimer
Graduate, Department of Kinesiology
Faculty Mentor: Taeyou Jung
Abstract Title: Comparison of Immediate Balance Outcomes Following Four Locomotor Training Modes in Individuals with Parkinson’s Disease

12:50PM
Erica Burke
Graduate, Department of Kinesiology
Faculty Mentor: Danielle Jarvis
Abstract Title: Modification of Sagittal Plane Loading During Saut de Chat Landing in Dancers

1:50PM
Erick Tuesta
Graduate, Department of Kinesiology
Faculty Mentor: Danielle Jarvis
Abstract Title: The Influence of Fatigue on Saute Jump Kinematics and Kinetics in Dancers

1:10PM
Taehoon Kim
Graduate, Department of Kinesiology
Faculty Mentor: Taeyou Jung
Abstract Title: Cortical Hemodynamic Responses to Tool Manipulation Tasks in People Post-Strok

2:10PM
Travis Watkins
Graduate, Department of Kinesiology
Faculty Mentor: Taeyou Jung
Abstract Title: Do Virtual Reality Video Games Improve Reaction Time for Individuals with Parkinson's Disease?

10-Minute Oral Presentation
Session 23, College of Science and Math, USU Granada Room, (12:30 PM - 1:50 PM)

12:30PM
Fred Fregoso
Graduate, Department of Chemistry and Biochemistry
Faculty Mentor: Paula Fischhaber
Abstract Title: The interplay between the roles of Saw1, Rad1-Rad10, and Polymerase Î” in single-strand annealing repair in S. cerevisiae

1:30PM
Osma Gomez
Graduate, Department of Chemistry and Biochemistry
Faculty Mentor: Joseph Teprovich
Abstract Title: Carbon Quantum Dots (CQDs) as Probes of Biological Systems

12:50PM
Alex Gilewski, Emily Mallory, Matthew Sandoval and Mikhail Litvak
Graduate, Department of Chemistry and Biochemistry
Faculty Mentor: Li Ye
Abstract Title: Cognitive and affective implications of a learner-centered assessment in introductory chemistry.

1:10PM
Jimmy Guzman
Graduate, Department of Chemistry and Biochemistry
Faculty Mentor: Paula Fischhaber
Abstract Title: Sequence Dependence on Preference of DNA Repair Pathway in Saccharomyces cerevisiae
**Morning Poster Presentations**  
*USU Northridge Center (10:00 AM-11:30AM)*

**Poster #1**  
*Jesus Abarca and Cristian Martinez*  
Undergraduate, Department of Psychology  
Faculty Mentor: Jill Quilici  
**Abstract Title:** Does Variety in Food Imagery and Variety in Food Offered Affect Food Consumption?

**Poster #2**  
*Kevin Abuhanna*  
Undergraduate, Department of Chemistry and Biochemistry  
Faculty Mentor: Paula Fischhaber  
**Abstract Title:** Towards Investigating Whether SLX4-dependent Recruitment of the Rad1-Rad10 Endonuclease to Single-strand Annealing DNA Repair Sites Occurs Only in S Phase

**Poster #3**  
*Patrick Acosta*  
Undergraduate, Department of Biology  
Faculty Mentor: Yoshie Hanzawa  
**Abstract Title:** Phosphorylation of Transcription Factor FD by Calcium-Dependent Protein Kinases and Its Role in Flowering of Arabidopsis Thaliana

**Poster #4**  
*Stacey Alexander-Dunajski*  
Graduate, Department of Art  
Faculty Mentor: Michelle Rozic  
**Abstract Title:** Deciphering Truth in Digital Hyperreality

**Poster #5**  
*Jocelyn Alfaro and Muthu Malavika Sugumar*  
Undergraduate, Department of Biology  
Faculty Mentor: Crystal Rogers  
**Abstract Title:** Analyzing cell cycle and proliferation during neural crest cell development in avian embryos

**Poster #6**  
*Stephanie Alvarado and Katherine Diaz*  
Graduate, Department of Biology  
Faculty Mentor: Melissa Takahashi  
**Abstract Title:** Improving toehold switch sensitivity to detect MicF expression changes during antibiotic treatment

**Poster #7**  
*Mary Antikyan, Rabia Biloo and Kevin Torres*  
Undergraduate, Department of Biology  
Faculty Mentor: Cindy Malone  
**Abstract Title:** Characterization of Promoter Region of Small Lymphocytic Lymphoma Associated UVRAG

**Poster #8**  
*Jazlyn Armendariz, Madeline Awad, Daniel Larranaga, Brandon Hackney and Aileen Kangavary*  
Undergraduate, Department of Psychology  
Faculty Mentor: Stefanie Drew  
**Abstract Title:** A MUSE and Insights; Comparison between commercially available EEG technologies

**Poster #9**  
*Melissa Aros*  
Undergraduate, Department of Geological Science  
Faculty Mentor: Gabriela Chavria  
**Abstract Title:** Soil Contamination in the Los Angeles County

**Poster #10**  
*Jose Arreola*  
Graduate, Department of Psychology  
Faculty Mentor: Jonathan Martinez  
**Abstract Title:** Exposure to Violence: Understanding Risk and Protective Factors Among Ethnic Minority Youth
Poster # 11
Ana Avalos
Graduate, Department of Social Work
Faculty Mentor: Allen Lipscomb
Abstract Title: Grieving While Learning: The Experiences of College Students Coping with the Death of a Loved One and Grief

Poster # 12
Madeline Awad, Jazlyn Armendariz, Casey McGinnis and Rony Morales
Undergraduate, Department of Psychology
Faculty Mentor: Stefanie Drew
Abstract Title: Examining the optometric effects of virtual reality use

Poster # 13
Steven Ayoub
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Tyler Luchko
Abstract Title: Implicit Constant pH Molecular Dynamics with 3D-RISM

Poster # 14
Aaliyeh Ayub, Ana Palacios and Veronica Sanchez
Undergraduate, Department of Communication Disorders and Sciences
Faculty Mentor: Vickie Yu
Abstract Title: Speech intelligibility in English learners of Arabic speakers

Poster # 15
Ovsanna Balian
Graduate, Department of Psychology
Faculty Mentor: Luciana Lagana
Abstract Title: A Review of the Literature on Older Women’s Physical Pain, Depression, Stress, and Quality of Intimate Relationships as They Relate to Sexuality

Poster # 16
Kathryn Balina
Graduate, Department of Communication Disorders and Sciences
Faculty Mentor: Vickie Yu
Abstract Title: What is the public image of bilingualism?

Poster # 17
Dayana Banuelos
Graduate, Department of Psychology
Faculty Mentor: Jill Razani
Abstract Title: Neuropsychological Test Performance in Nonverbal Executive Functioning Tasks Between Alzheimer’s disease, Mild Cognitive Impairment, and Normal Controls

Poster # 18
Esteban Bautista
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Taeboem Oh
Abstract Title: Modification of the benzimidazole derivatives to increase the biospecificity

Poster # 19
Danielle Becker
Graduate, Department of Biology
Faculty Mentor: Nyssa Silbiger
Abstract Title: Investigating the effects of land-based pollution on coral thermal tolerance in a branching coral species, Pocillopora acuta

Poster # 20
Juan Bernal
Graduate, Department of Physics and Astronomy
Faculty Mentor: Wladimir Lyra
Abstract Title: Investigating the Protoplanetary Disk around HD143006 using the RADMC-3D software

Poster # 21
Christine Boktor
Undergraduate, Department of Kinesiology
Faculty Mentor: Sean Flanagan
Abstract Title: Coordination Patterns During a Squat Jump to a Prescribed Depth

Poster # 22
Talia Bondelli and Shely Salemnia
Graduate, Department of Family and Consumer Sciences
Faculty Mentor: Annette Besnilian
Abstract Title: Whole Body Whole Health Cancer Workshops
Poster # 23
Nathan Boyd and Holland Mills
Undergraduate, Department of Mechanical Engineering
Faculty Mentor: Amiel Hartman
Abstract Title: Development of a Multi-Legged Walking Robot for Unstructured Terrain

Poster # 24
Malik Campbell-Mack
Undergraduate, Department of Child and Adolescent Development
Faculty Mentor: Shu-Sha Angie Guan and Virginia Huynh
Abstract Title: Cultural Values and Social Support

Poster # 25
Angela Cannata
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Mary-Patricia Stein
Abstract Title: Zinc dynamics in cAMP-PKA cell signaling

Poster # 26
Juan Cardenas
Undergraduate, Department of Biology
Faculty Mentor: Ray Hong
Abstract Title: Discovery of genetic suppressors for odor-based paralysis

Poster # 27
Emilie Carroll
Graduate, Department of Art
Faculty Mentor: Patsy Cox
Abstract Title: How to: Hand Build With Clay

Poster # 28
Edna Chavez, Luis Romero, Matthew Barrios, Melanie Zecca and Lauren Isturiz
Graduate, Department of Environmental and Occupational Health
Faculty Mentor: Katherine McNamara
Abstract Title: Small Operations with Large Implications: Heavy Metal Exposure in Communities Neighboring Recycling Facilities.

Poster # 29
Raymond Chigani, Derick Jaramillo, Jonathan Kubota and Cathleen Gonzalez
Graduate, Department of Environmental and Occupational Health
Faculty Mentor: Katherine McNamara
Abstract Title: Examining the feasibility of shelter-in-place recommendations during wildfires

Poster # 30
Marilyn Cortez
Graduate, Department of Social Work
Faculty Mentor: Allen Lipscomb
Abstract Title: Audism

Poster # 31
Zach Dair and Isaiah Lachica
Undergraduate, Department of Kinesiology
Faculty Mentor: Jacob Hinkel-Lipsker
Abstract Title: Taking the blue pill: virtual reality training leads to improved real world performance but different motor strategies

Poster # 32
Alby Dang
Graduate, Department of Biology
Faculty Mentor: Jeremy Yoder
Abstract Title: Pollinator Return on Investment in Joshua Tree - Yucca Moth Obligate Mutualism

Poster # 33
Kimberly Duran, Antonio Agoncillo and Ahmad Alahmad
Undergraduate, Department of Civil Engineering and Construction Management technology
Faculty Mentor: David Boyajian
Abstract Title: Application and Mechanism of a Hydraulic Lift

Poster # 34
Arrah Ebot Enaw
Undergraduate, Department of Electrical and Computer Engineering
Faculty Mentor: Jeanne Robertson
Abstract Title: Less Premature Death Rates in Cameroon, More Incubators.
Poster # 35
Diane Estrada
Graduate, Department of Health Sciences
Faculty Mentor: Mirna Sawyer
**Abstract Title:** Marianismo, the Act of Self-Sacrifice, and How it May Impact Latina Health

Poster # 36
Juana Estrada
Undergraduate, Department of Child and Adolescent Development
Faculty Mentor: Nancy Miodrag
**Abstract Title:** Play Ball! Making Judgments about Athletes

Poster # 37
Fatima Fairouz, Ilyan Castaneda, Nawaf Alnamshan and Scott Iland
Undergraduate, Department of Civil Engineering and Construction Management technology
Faculty Mentor: Tadeh Zirakian and David Boyajian
**Abstract Title:** measurement of power generation using a hydropower turbine.

Poster # 38
Binuri Fonseka
Undergraduate, Department of Business Law
Faculty Mentor: Hilary Silvia-Goldberg
**Abstract Title:** Sexual Harassment in the Workplace: Examining Severe & Pervasive

Poster # 39
Nicole Fuentes, Elizabeth Gordian, Victor Cortez and Karo Harootounian
Graduate, Department of Environmental and Occupational Health
Faculty Mentor: Katherine McNamara
**Abstract Title:** Planting the seeds of tomorrow: LA youth outreach in tree survival

Poster # 40
Jennifer Garcia
Undergraduate, Department of Environmental and Occupational Health
Faculty Mentor: Nola Kennedy
**Abstract Title:** Validation of Adverse Drug Effects Predicted by PharmOmics

Poster # 41
Citlalli Garcia Plascencia, Sonia Ramirez-Rivera and Eirenel Ecleiva
Undergraduate, Department of Family and Consumer Sciences
Faculty Mentor: Annette Besnilian
**Abstract Title:** Eat Your Best: Los Angeles County Sodium Reduction Initiative at California State University, Northridge

Poster # 42
Melissa Gavilanes
Graduate, Department of Psychology
Faculty Mentor: Alyssa Arentoft
**Abstract Title:** Lifetime and recent alcohol use is associated with learning, memory, and working memory performance in HIV+ individuals

Poster # 43
Talin Gharibian
Graduate, Department of Social Work
Faculty Mentor: David McCarty-Caplan
**Abstract Title:** Mental Health and Middle Eastern Cultural Identity

Poster # 44
Paul Ginter, Artur Balyan, Andy Sanchez and Gerardo Reyes
Undergraduate, Department of Civil Engineering and Construction Management technology
Faculty Mentor: Tzong-Ying Hao
**Abstract Title:** Balsa Wood Tower Seismic Design

Poster # 45
Shayna Greenberg
Graduate, Department of Psychology
Faculty Mentor: Luciana Lagana
**Abstract Title:** A Literature Review on the Complex Link between Ageism and Older Adults’ Physical and Mental Health
Poster # 46
Araceli Gutierrez and Nancy Quintero
Graduate, Department of Social Work
Faculty Mentor: Lauren Willner
Abstract Title: Exploring how stigma informed by cultural norms impact Latino parent’s decisions to seek mental health treatment for their children.

Poster # 47
Maria Gutierrez
Graduate, Department of Modern, Classical Languages and Literatures
Faculty Mentor: Adrian Perez Boluda
Abstract Title: La Paz, Bolivia: An Example of Contribution to World Cultural Diversity

Poster # 48
Hayk Hakopian and Marah Hassan
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Veronica Jaramillo
Abstract Title: Investigative Comparison between Drinking Water Quality and Socioeconomic Status in Los Angeles County

Poster # 49
Sara Lynn Hernandez and Denice Castellon
Graduate, Department of Social Work
Faculty Mentor: David McCarty Caplan
Abstract Title: Racial Identity Among Women Diagnosed with a Sexually Transmitted Infection (STI) and/or a Sexually Transmitted Disease (STD)

Poster # 50
Natalie Herrera, Hayk Hacopian, Valerie Hsiao and Jared Ashcroft
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Gabriela Chavira
Abstract Title: Active learning pedagogy was used and analyzed for effectiveness in increasing success and retention rates in a General Chemistry sequence at Pasadena City College

Poster # 51
Daisy Herrera, Zekaria Beshir, Tracee Maxwell and Paula Kirya
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Gabriela Chavira
Abstract Title: Colors of the Winged: How Pigments and Nanostructures Dictate Butterfly Wings Colors

Poster # 52
Akemi Hinzer
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Karin Crowhurst
Abstract Title: Investigation of Dynamics in hTrkB

Poster # 53
Victory Idehen
Undergraduate, Department of Environmental and Occupational Health
Faculty Mentor: Nola Kennedy
Abstract Title: Air quality in CSUN classrooms

Poster # 54
Leonel Jimenez
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Brenton Hammer
Abstract Title: Polymer Nanographene Composites

Poster # 55
Destini Kananipour
Undergraduate, Department of Biology
Faculty Mentor: Savannah St. Clair
Abstract Title: Effectiveness of Medicinal Plants against Antibiotic-Resistant Bacteria

Poster # 56
Aileen Kangavary, Andrea Torres, Casey McGinnis, Daniel Larranaga, Rony Morales and Jazlyn Armendariz
Undergraduate, Department of Psychology
Faculty Mentor: Stefanie Drew
Abstract Title: Evaluations of Multiple EEG systems utilizing mindfulness task
Poster # 57
Mujtaba Kazem
Undergraduate, Department of Communication Disorders and Sciences
Faculty Mentor: Vickie Yu
Abstract Title: English Vowel Productions of Afghan Learners of English

Poster # 58
Fatemah Khalefah, Salem Aldhaferi, Hussain Alamir, Fahad Alotaibi, Abdulrahman Alhadad, Mashaal Alzubi, Naser Albaghli and Sungmoon Cho
Undergraduate, Department of Civil Engineering and Construction Management technology
Faculty Mentor: David Boyajian
Abstract Title: Hydraulic water scale

Poster # 59
Rafeef Khleif
Undergraduate, Department of Biology
Faculty Mentor: Michael Summers
Abstract Title: Mutation and knockdown of genes in Nostoc punctiforme using Cpf1-based CRISPR plasmids

Poster # 60
Shannon Kitover
Undergraduate, Department of Urban Studies and Planning
Faculty Mentor: Zeynep Toker
Abstract Title: Redesigning Zelzah avenue

Poster # 61
Konstantinos Koutsos
Graduate, Department of Physics and Astronomy
Faculty Mentor: Wladimir Lyra
Abstract Title: Simulating the Magnetocentrifugal Winds of Protoplanetary Disks: can they explain the cm free-free emission in GM Aurigae?

Poster # 62
Briana Landavazo
Graduate, Department of Mechanical Engineering
Faculty Mentor: Vidya Nandikolla
Abstract Title: Brain-computer interface for applications in robotic gripper control

Poster # 63
Vivian Vy Le
Undergraduate, Department of Biology
Faculty Mentor: Ray Hong
Abstract Title: Characterization of P. pacificus mutant strain obi-1 using Pharmacology

Poster # 64
Jane LeCheminant
Graduate, Department of Kinesiology
Faculty Mentor: Danielle Jarvis
Abstract Title: Comparison of standing long jump performance in young adults with and without autism spectrum disorder

Poster # 65
Matthew Ledesma and Elia Rptchian
Graduate, Department of Chemistry and Biochemistry
Faculty Mentor: Brenton Hammer
Abstract Title: Hyperbranched Polymers

Poster # 66
Christina Lee, Gerardo Aguirre, Nay Chi Naing and Daisy Herrera
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Gabriela Chavira
Abstract Title: Light Up My Life: Electrolyte Behavior of Food and Biomolecules

Poster # 67
Isabel Lopez
Graduate, Department of Psychology
Faculty Mentor: Jonathan Martinez
Abstract Title: Acculturation and Help-Seeking Attitudes: Examining the Influence of Mental Health Literacy and Perceived Access to Services

Poster # 68
Eliana Luna
Graduate, Department of Social Work
Faculty Mentor: David McCarty Caplan
Abstract Title: Exploring the Motivational Factors Behind Social Work Careers & Degrees
Poster # 69
Lily Ma and Michael Vendrasco
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Gabriela Chavira
Abstract Title: Microplastic on Cabrillo beaches and Extraction Methods

Poster # 70
Alexis Mahloch
Graduate, Department of Biology
Faculty Mentor: Ray Hong
Abstract Title: CRISPR induced mutations of glial cell gene expression

Poster # 71
Sarah Marks, Saba Mahmoudi, Alyssa Rojas and Jacqueline Balderas
Undergraduate, Department of Psychology
Faculty Mentor: Tara Fahmie
Abstract Title: Personalizing Prevention Programs for Pre-School Aged Children

Poster # 72
Ana Martin Salas, Abraham Villa, Gevo Abcarian, Francisco Villalobos, Omran Hussain and Zainab Algharib
Undergraduate, Department of Civil Engineering and Construction Management technology
Faculty Mentor: Tadeh Zirakian
Abstract Title: A Pneumatic Based Assessment of 90° and Straight Angle Fittings

Poster # 73
Nicole Martinez
Graduate, Department of History
Faculty Mentor: John Paul Nuno
Abstract Title: Creating Los Angeles: Boosterism and the Erasure of a Borderlands City

Poster # 74
Bene-Joaquín Mayo-Herer, Savannah Horvath, Vincent Martinez and Brian Andrews
Undergraduate, Department of Kinesiology
Faculty Mentor: Danielle Jarvis
Abstract Title: Kinematic Comparison of a Forward and Reverse Lunge on a Stable and Unstable Surface.

Poster # 75
Helina Mekonnen
Undergraduate, Department of Psychology
Faculty Mentor: Holli Tonyan
Abstract Title: How access to resources affects family child care providers’ personal sense of wellbeing

Poster # 76
Stephanie Menjivar
Graduate, Department of Biology
Faculty Mentor: David Gray
Abstract Title: Sex and the City

Poster # 77
Clarissa Nassar
Undergraduate, Department of Biology
Faculty Mentor: Cheryl Van Buskirk
Abstract Title: Sleeping Stress Away

Poster # 78
Hilda Navarro
Graduate, Department of Social Work
Faculty Mentor: Allen Lipscomb
Abstract Title: The Experiences of Single Mothers in Higher Education

Poster # 79
Yulia Orlov
Graduate, Department of Linguistics
Faculty Mentor: David Medeiros
Abstract Title: Nominal ellipsis and gender

Poster # 80
Patricia Orozco, Daniel Saravia, Jose Arreola and Isabel Lopez
Undergraduate, Department of Psychology
Faculty Mentor: Jonathan Martinez
Abstract Title: Understanding the Impact of Education and Country of Origin on Individuals Help Seeking Behavior

Poster # 81
Katherine Orr
Undergraduate, Department of Biology
Faculty Mentor: Gilberto Flores
Abstract Title: Sugar degrading capabilities of human associated Akkermansia
Poster # 82
Daniel Palmer
Graduate, Department of Biology
Faculty Mentor: Paul Wilson
**Abstract Title:** Calcicoles and Calcifuges of Tejon Ranch

Poster # 83
Alana Parks
Undergraduate, Department of Psychology
Faculty Mentor: Justin Kantner
**Abstract Title:** Classification and Representation of Biracial Individuals

Poster # 84
Trishen Patel and Maria Aquino
Undergraduate, Department of Computer Science
Faculty Mentor: Dr. Christoph Schaal
**Abstract Title:** Development of an Autonomous Vehicle for Aircraft Inspection

Poster # 85
Jordann Rawlins
Graduate, Department of Psychology
Faculty Mentor: Sara Berzenski
**Abstract Title:** Risk Factors of Relapse to Alcohol: An analysis of direct and moderating effects

Poster # 86
Christopher Robinson
Graduate, Department of Mechanical Engineering
Faculty Mentor: Professor Tadeh Zirakian
**Abstract Title:** Analytical Comparison of the Response of a Damped Single Degree of Freedom System Experiencing Harmonic Loading Using Two Methods: differential Equation Solution and The Convolution Integral

Poster # 87
Jasmin Rodriguez and Omar Contreras
Graduate, Department of Social Work
Faculty Mentor: Susan Love
**Abstract Title:** SAP Roll Out on CSUN Campus

Poster # 88
Jennifer Rodzianko
Graduate, Department of Family and Consumer Sciences
Faculty Mentor: Nelida Duran
**Abstract Title:** The CSUN Pop-Up Pantry: A Year in Review

Poster # 89
Vanessa Rood and Jere Fernandes
Graduate, Department of Social Work
Faculty Mentor: David McCarty-Caplan
**Abstract Title:** Perceptions of Adult Witnesses to Domestic Violence of Law Enforcement Officers, and Law Enforcement Officers’ Self-Perceived Competence in Handling Domestic Violence Calls

Poster # 90
Cristina Rubio, Abrar Almashmom and Batool Alrasheed
Graduate, Department of Civil Engineering and Construction Management technology
Faculty Mentor: David Boyajian
**Abstract Title:** Rate Estimation of Water (Free) Jets

Poster # 91
Griseida Ruiz, Sophia Lopez and Madeleine Hoeks
Graduate, Department of Family and Consumer Sciences
Faculty Mentor: Annette Besnilian
**Abstract Title:** Champions for Change Focus Groups

Poster # 92
Armenuhe Terzian
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Eric Kelson
**Abstract Title:** Anti-tumor activity of terpyridine complexes and polypyridine ligands targeting active transport processes
Poster # 93
Hasan Ukra, Anna Gavalyan, Danah Abdulkareem and Ali Almutairi
Undergraduate, Department of Civil Engineering and Construction Management technology
Faculty Mentor: David Boyajian
Abstract Title: Mechanism of Orifice Water Flow

Poster # 94
Angela Vela
Graduate, Department of Biology
Faculty Mentor: Yoshie Hanzawa
Abstract Title: A Genome-Wide Association Study: Can wild soybean varieties hold the key to improving soybean cultivars?

Poster # 95
Crystal Venegas
Graduate, Department of Psychology
Faculty Mentor: Meeta Banerjee
Abstract Title: Maternal Mental Health Promotion and Occupational Factors on Latinx Adolescent’s Mental Health Outcomes

Poster # 96
Cal Weeks
Graduate, Department of Chemistry and Biochemistry
Faculty Mentor: Eric Kelson
Abstract Title: Design of dimeric ruthenium inner-sphere transfer hydrogenation catalysts

Poster # 97
Sarah Wenner
Graduate, Department of Biology
Faculty Mentor: Jeanne Robertson
Abstract Title: Landscape genomics of an emblematic reptile in urban Southern California

Poster # 98
Robyn Williams
Graduate, Department of Social Work
Faculty Mentor: David McCarty Caplain
Abstract Title: Recent Political Events and Undergraduate Students

Poster # 99
Emily Woods
Graduate, Department of Biology
Faculty Mentor: Dr. Hanzawa
Abstract Title: Cultivated Versus Wild Soybean: Revealing Differing Small RNA Expression Patterns by Sequencing
Afternoon Poster Presentations
USU Northridge Center (1:00 PM-2:30 PM)

Poster #1
Shaza Aldaoud
Undergraduate, Department of Family and Consumer Sciences
Faculty Mentor: Nelida Duran
Abstract Title: Increasing Civic Engagement: A Study Proposal

Poster #2
Victoria Ayala
Undergraduate, Department of Family and Consumer Sciences
Faculty Mentor: Dena Herman
Abstract Title: Improving Adolescent’s Eating Habits through Community Cooking Education

Poster #3
Britany Beauchesne, Alexandra Go, Zak Peet, Nick Lindgren, Kristina Kalamkeryan, and Jacqueline Balderas
Graduate, Department of Psychology
Faculty Mentor: Stephanie Hood
Abstract Title: Descriptive Assessment of Social Skills across Conversational Contexts

Poster #4
Kendra Carty
Graduate, Department of Geological Science
Faculty Mentor: Joshua Schwartz
Abstract Title: Testing the ‘MASH’ Hypothesis: An investigation of magma chamber geometry and interconnectivity in the lower crust of a continental arc, Fiordland, New Zealand

Poster #5
Jose Chacon
Undergraduate, Department of Biology
Faculty Mentor: Crystal Rogers
Abstract Title: The role of Tubulin Beta-III in neural crest cell fate determination

Poster #6
Maria Isabel Chosco
Undergraduate, Department of Biology
Faculty Mentor: Michael L. Summers
Abstract Title: Functional Analysis of Two Lipid Droplet Associated Proteins in Nostoc punctiforme

Poster #7
Brandi Clouet and Jennifer Rodzianko
Graduate, Department of Family and Consumer Sciences
Faculty Mentor: Nelida Duran
Abstract Title: A Narrative Review of the Effect of Flavonoids on Gene Expression in Breast Cancer

Poster #8
Shantae Cole, Jennifer Nnuro, Christian Sotelo and Samuel Ramos
Undergraduate, Department of Mechanical Engineering
Faculty Mentor: Peter Bishay
Abstract Title: Development of a New Experimental UAV with Span-Morphing Wing and Camber-Morphing Tail.

Poster #9
Stephanie Contreras and Christopher Haklar
Graduate, Department of Computer Science
Faculty Mentor: Ani Nahapetian
Abstract Title: Feasibility of Efficient Electromyography for Alternative Device Interactions

Poster #10
Bridget Coonan
Graduate, Department of Kinesiology
Faculty Mentor: Danielle Jarvis
Abstract Title: The Effect of Mental Training Techniques on Autonomic Nervous System (ANS) Function, as Measured by Heart Rate Variability (HRV), in Collegiate Athletes: A Critically Appraised Topic

Poster #11
Lance Dayandayan- No Longer Presenting
Graduate, Department of Psychology
Faculty Mentor: Ellie Kazemi
Abstract Title: Training the Skills for Natural Environment Teaching Using Computer-Based Instruction
Poster # 12
David Diaz
Undergraduate, Department of Environmental and Occupational Health
Faculty Mentor: Nola Kennedy
Abstract Title: Kinetics of OH Formation from Fulvic Acid-Fe(II) Complexes in Human Lung Fluids

Poster # 13
Marim El-karim
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Gabriela Chavira
Abstract Title: Correlation Between Dissolved Oxygen Level of Water and its Organic Matter Content

Poster # 14
Savannah Elahian
Undergraduate, Department of Psychology
Faculty Mentor: Meeta Banerjee
Abstract Title: Investigating the Relation Between Social Support, Ethnic-Racial Socialization and Academic Outcomes in African American Youth

Poster # 15
Quetzalli Enrique
Undergraduate, Department of Urban Studies and Planning
Faculty Mentor: Zeynep Toker
Abstract Title: Zelzah Avenue: An Urban Design Proposal for Bikeable and Walkable Streets

Poster # 16
Manuel Espejo
Undergraduate, Department of Biology
Faculty Mentor: Cristian Ruiz Rueda
Abstract Title: Identification of carbapenem-resistant bacteria in the waters of Southern California

Poster # 17
Jennifer Fields
Graduate, Department of Biology
Faculty Mentor: Nyssa Silbiger
Abstract Title: The effect of foundation species loss on ecosystem function in the rocky intertidal

Poster # 18
Manuel Fierro
Undergraduate, Department of Biology
Faculty Mentor: Rheem Medh
Abstract Title: Interactions between Apoptosis and Autophagy in Glucocorticoid evoked death of human leukemic CEM C7-14 cells

Poster # 19
Tania Forero and Alyssa Arroyo
Graduate, Department of Social Work
Faculty Mentor: Hyun Sun Park
Abstract Title: How the MOSAIC Program Influences Mentor Experience

Poster # 20
Niyousha Fozounmayeh
Undergraduate, Department of Urban Studies and Planning
Faculty Mentor: Zeynep Toker
Abstract Title: Urbs 440

Poster # 21
Justin Gluck, Taylor Doty, Matthew Leitao and Sara Lundqvist
Undergraduate, Department of Psychology
Faculty Mentor: Stefanie Drew
Abstract Title: On Target: examining the change in acute visual symptoms after exposure to a dart throwing task using virtual reality

Poster # 22
Jagger Godarzi, Tadeo Zuniga and Esther Soto
Undergraduate, Department of Biology
Faculty Mentor: Pamela Byrd-Williams
Abstract Title: Utilizations of Honey as an Antibacterial

Poster # 23
Cristina Gonzalez
Graduate, Department of Social Work
Faculty Mentor: Lauren Willner
Abstract Title: Higher Education Among First-Generation Students and Familial Relationships
Poster # 24
Nathalie Halajian, Na Young Shin and Kristin Ladd
Graduate, Department of Communication Disorders and Sciences
Faculty Mentor: Vickie Yu
Abstract Title: The Driving Factors Behind Bilingualism

Poster # 25
Katherine Hannibal
Graduate, Department of Biology
Faculty Mentor: Steve Dudgeon
Abstract Title: Disappearing Coastlines: Impacts of Ocean Acidification and The Invasion of Dasysiphonia japonica on Mytilus edulis.

Poster # 26
Daniella Hay
Graduate, Department of Communication Disorders and Sciences
Faculty Mentor: Vickie Yu
Abstract Title: The Psychological Benefits of Community Service for People Who Stutter

Poster # 27
Rebecca Herrera, Erick Perez, Monica Caris and Bordin Endinjok
Undergraduate, Department of Child and Adolescent Development
Faculty Mentor: Nancy Miodrag
Abstract Title: Into Fitness Together (IFIT): A mixed methods study of a physical activity (PA) intervention for college students with Autism Spectrum Disorder (ASD)

Poster # 28
Samantha Hertz
Graduate, Department of Social Work
Faculty Mentor: Lauren Willner
Abstract Title: Systemic Barriers to Preventing Burnout Among Social Service Workers

Poster # 29
Esraa Huseen, Justin Le, Mildred Renteria, Youssef Taher, Naser Alrashoud, Jonathan Perez and Musaed Alkhurafi
Undergraduate, Department of Civil Engineering and Construction Management technology
Faculty Mentor: Tadeh Zirakian
Abstract Title: Experimental analysis of water discharge coefficients

Poster # 30
Raymond Jackson
Undergraduate, Department of Psychology
Faculty Mentor: Meeta Banerjee
Abstract Title: Exploring the Associations between Mental Health and Academic Motivation in African American Youth

Poster # 31
Anika Khan, Anie Garabedian, Jazmine Baeza, Merlin Naranjo, and Pauline Serrano
Undergraduate, Department of Psychology
Faculty Mentor: Omar Ruvalcaba
Abstract Title: Negotiating Familial and University Expectations: Experiences of First-generation College Students

Poster # 32
Rafeed Khleif
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Ravinder Abrol
Abstract Title: Introducing Conformational Flexibility Information into the G Protein Coupled Receptor Knowledgebase (GPCRKB)

Poster # 33
Jonathan Lacanlale
Undergraduate, Department of Computer Science
Faculty Mentor: Ani Nahapetian
Abstract Title: Smart Collar
Poster # 34
Kristin Ladd, Na Young Shin and Nathalie Halajian
Graduate, Department of Communication Disorders and Sciences
Faculty Mentor: Vickie Yu
Abstract Title: Awareness of Bilingualism: Uncovering Myths and Misconceptions about Bilingualism

Poster # 35
Yu Lang
Graduate, Department of Communication Disorders and Sciences
Faculty Mentor: Vickie Yu
Abstract Title: Influence of Mandarin on perception and production of American English

Poster # 36
Nikki Lao
Undergraduate, Department of Computer Science
Faculty Mentor: Li Lui
Abstract Title: Developing Accessibility Mindsets

Poster # 37
Danielle Levaton, Casey McGinnis and Daniel Del Cid
Undergraduate, Department of Psychology
Faculty Mentor: Stefanie Drew
Abstract Title: Are you motivated? The effects of different instructional media

Poster # 38
Danielle Lima Feitosa
Graduate, Department of Mechanical Engineering
Faculty Mentor: Vidya Nandikolla
Abstract Title: Hybrid control to optimize the performance of the insulin pump

Poster # 39
Daisy Lopez
Undergraduate, Department of Biology
Faculty Mentor: Jeremy yoder
Abstract Title: Evolutionary Adaptation of Medicago Truncatula Due to Climate Change

Poster # 40
Kimberly Luna, Adrianna Rojas and Jonathan Watts
Undergraduate, Department of Health Sciences
Faculty Mentor: Myriam Forster and Stephanie Benjamin
Abstract Title: The Addictive Behaviors on Campus Study at CSUN

Poster # 41
Karla Luna
Undergraduate, Department of Biology
Faculty Mentor: Nola Kennedy
Abstract Title: Paraoxonase-1 and Arylesterase activity in human plasma of chronic electronic cigarette and chronic tobacco cigarette users.

Poster # 42
Emily Mallory
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Li Ye
Abstract Title: Measuring and Promoting Linked Concepts in College Introductory Chemistry

Poster # 43
Oswaldo Martinez
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Thomas Minehan
Abstract Title: Synthesis of Neocarzinostatin Analogs

Poster # 44
Indira Martinez-Dubon
Undergraduate, Department of Psychology
Faculty Mentor: Scott Plunkett
Abstract Title: Father and Adolescents Reports of Fathers Parenting Related to Adolescents Depression, Aggression, and Delinquency in Latino Families
Poster # 45
Casey McGinnis, Daniel Del Cid, Madeline Awad, Jazlyn Armendariz and Cynthia Delgado
Undergraduate, Department of Psychology
Faculty Mentor: Stefanie Drew
Abstract Title: The Effect of Animated Text on Visual Attention

Poster # 46
Tania Menachegani Khachatourians and Joey Gerardi
Graduate, Department of Family and Consumer Sciences
Faculty Mentor: Annette Besnilian
Abstract Title: Fit to Win Program

Poster # 47
Catherine Mesick
Undergraduate, Department of Psychology
Faculty Mentor: Abraham Rutchick
Abstract Title: Lyfting Away the Blame: Using a Rideshare Service Reduces Perceived Culpability for Autonomous Vehicle Accidents

Poster # 48
Eric Miranda and Alanis Hernandez
Undergraduate, Department of Biology
Faculty Mentor: Cristian Ruiz-Rueda
Abstract Title: Effect of cellular metabolites on the function of the AcrAB-TolC pump in Escherichia coli

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Candido Moreno and Mikhail Litvak
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Li Ye
Abstract Title: Self-efficacy in Chemistry: Changes and Effects

Poster # 50
Nikolas Morrison-Welch
Undergraduate, Department of Environmental and Occupational Health
Faculty Mentor: Crystal Rogers
Abstract Title: Developmental outcomes of embryonic exposure to OTC medication in axolotl and chicken embryos: Low-dose effects and phenotypic responses

Poster # 51
Nathalie Nadales
Undergraduate, Department of Biology
Faculty Mentor: Jonathan Kelber
Abstract Title: Metastatic breast cancer cells release Lipocalin 2 to induce a tumor-supportive premetastatic lung microenvironment

Poster # 52
Nay Chi Naing and Isabel Breuer
Undergraduate, Department Other
Faculty Mentor: Gabriela Chavira
Abstract Title: High spatial- and time-resolution analysis of pollution near schools in socioeconomically disadvantaged Boyle Heights, Los Angeles

Poster # 53
Denise Nguyen and Emily Hernandez
Undergraduate, Department of Health Sciences
Faculty Mentor: Bobbie Emetu
Abstract Title: The Sexual Health Risks and Behaviors of Lesbian and Bisexual Minority Women

Poster # 54
David Ohana
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Jheem Medh
Abstract Title: Effect of Oxysterols on Regulation of ABCA1 Gene Expression in THP-1 Derived Macrophages

Poster # 55
Debby Paiz
Undergraduate, Department of Environmental and Occupational Health
Faculty Mentor: Nola Kennedy
Abstract Title: Diothiocarbamate Pesticides Mimic the Effect of Ziram of Altering Synaptic Transmission at the Drosophila NMJ

Poster # 56
Caroline Pak and Rise Morisato
Graduate, Department of Family and Consumer Sciences
Faculty Mentor: Annette Besnilian
Abstract Title: Outreach for Women, Infants, and Children (WIC) On CSUN Campus
Poster # 57
Thomas Parashos
Undergraduate, Department of Computer Science
Faculty Mentor: Bruce Shapiro
Abstract Title: An analysis of neural network pruning

Poster # 58
Elizabeth Pashanian and Mary Oglukyan
Graduate, Department of Social Work
Faculty Mentor: David McCarty-Caplan
Abstract Title: Loneliness and Isolation in Older Adults

Poster # 59
Davit Pashanyan and Adam Mogul
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Jheem Medh
Abstract Title: Silencing the Lipoprotein Lipase Gene in Skeletal Muscle Cells Affects the Expression of Enzymes of Glycolysis and Fatty Acid Metabolism.

Poster # 60
Jocelyn Payan, Zack Carrasco and Martin Pasamba
Undergraduate, Department of Civil Engineering and Construction Management technology
Faculty Mentor: Tadeh Zirakian
Abstract Title: A parametric Study Analyzing 3-D orifices

Poster # 61
Nicolas Perez
Graduate, Department of Physics and Astronomy
Faculty Mentor: Anna Bezryadina
Abstract Title: Red Blood Cells Form Waveguides of Light at Tunable Wavelengths

Poster # 62
Elizabeth Perez
Undergraduate, Department of Health Sciences
Faculty Mentor: Nelida Duran
Abstract Title: Latina Engagement In Campus Research Projects

Poster # 63
John Poglodzinski
Undergraduate, Department of Family and Consumer Sciences
Faculty Mentor: Nelida Duran
Abstract Title: Peer-to-Peer Nutrition Enrichment in Semirural Youth Populations

Poster # 64
Nicholas Poulos
Undergraduate, Department of Biology
Faculty Adviser: Jeremy Yoder
Abstract Title: The effect of urbanization and climate on T. repens

Poster # 65
Brihanna Pyanowski, Erika De Guzman, Jonathan Gross and Jason Roswey
Graduate, Department of Environmental and Occupational Health
Faculty Mentor: Katherine McNamara
Abstract Title: Investigating Asthma Prevalence in Environmental Justice Communities designated by AB617

Poster # 66
Alex Rajabi, Antonio Bshara and Armen Khanbabaei
Undergraduate, Department of Biology
Faculty Adviser: Mariano Loza-Coll
Abstract Title: Chronic mild stressor impairs the response of Drosophila intestinal stem cells to proliferate when stimulated

Poster # 67
No longer presenting

Poster # 68
Katherine Rawson
Graduate, Department of Health Sciences
Faculty Mentor: Annette Besnillian
Abstract Title: Policy Effects of Food Choices

Poster # 69
Brian Rios and Michael Salazar
Undergraduate, Department of Kinesiology
Faculty Mentor: Danielle Jarvis
Abstract Title: Comparison of Running Gait Kinematics among College Students With and Without ASD
Poster # 70
Leslie Rivas Quijano
Undergraduate, Department of Biology
Faculty Mentor: Casey terHorst
Abstract Title: Bacterial isolate effects on protozoan fitness within the purple pitcher plant, Sarracenia purpurea

Poster # 71
Paul Rodriguez
Undergraduate, Department of Kinesiology
Faculty Mentor: Sean Flanagan
Abstract Title: Landing is Not as Coordinated as the Take-off in a Squat Jump

Poster # 72
Catalina Roldan
Undergraduate, Department of Journalism
Faculty Mentor: Jeanne Robertson
Abstract Title: Piedras Blancas Music Program

Poster # 73
David Romero
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Rachel Mackelprang
Abstract Title: Characterizing Viral Populations in Ancient Permafrost

Poster # 74
Julio Rosales
Undergraduate, Department of Biology
Faculty Mentor: Nyssa Silbiger
Abstract Title: Comparison of Methods for Measuring Tide Pool Volumes

Poster # 75
Joanna Ruiz
Undergraduate, Department of Electrical and Computer Engineering
Faculty Mentor: Dr. Horowitz
Abstract Title: Analyzing a Change in Psychological Mental Health Issues Among Minorities Over the Past Two Years

Poster # 76
Jose Ruvalcaba
Graduate, Department of Social Work
Faculty Mentor: Susan Love
Abstract Title: Wilderness Therapy

Poster # 77
Selina Salazar
Graduate, Department of Art
Faculty Mentor: Patsy Cox
Abstract Title: Descendencia

Poster # 78
Perla Salinas
Graduate, Department of Social Work
Faculty Mentor: Allen Lipscomb
Abstract Title: Latino Immigrants Coping with Transnational Deaths in Country of Origin

Poster # 79
Maritza Santiago and Fatima Flores
Graduate, Department of Social Work
Faculty Mentor: McCarty-Caplan
Abstract Title: Academic Success for First Generation College Students

Poster # 80
Ken See
Undergraduate, Department of Kinesiology
Faculty Mentor: Danielle Jarvis
Abstract Title: The Difference in Linear Velocities Between the Standard Barbell Deadlift and the Hexagonal Barbell Deadlift

Poster # 81
Erik Serrano
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Ravinder Abrol
Abstract Title: Development of New Methods for Enhanced Conformational Sampling of GPCRs and Application to Glucagon-Like Peptide-1 Receptor

Poster # 82
Ameen Seyedroudbari and Ranna Alrabadi
Undergraduate, Department of Biology
Faculty Mentor: Mariano Loza Coll
Abstract Title: The genetics of Alzheimer’s Disease and Breast Cancer – from research papers to network models
Poster # 83
Na Young Shin, Nathalie Halajian and Kristin Ladd
Graduate, Department of Communication Disorders and Sciences
Faculty Mentor: Vickie Yu
Abstract Title: Factors influencing English proficiency in bilingual preschoolers

Poster # 84
Skye Shodahl
Graduate, Department of Psychology
Faculty Mentor: Meeta Banerjee
Abstract Title: An Exploration of Food Security within Rural and Urban Communities Across the United States: A qualitative study

Poster # 85
Jenica Smith
Graduate, Department of Family and Consumer Sciences
Faculty Mentor: Nelida Duran
Abstract Title: Serving Starving Students: Investigation of Food Aid Programs on Campus at CSU, Northridge

Poster # 86
Lisa Sorrells
Graduate, Department of Biology
Faculty Mentor: Crystal Robers
Abstract Title: N-cadherin regulates cell cycle progression and fate specification in neuroectodermal cells

Poster # 87
Maria Soto
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Taeboem Oh
Abstract Title: Modification of medicinal Benzimidazole: synthesis of 2-bromo-1-methylbenzimidazole

Poster # 88
Natalie Souaid
Undergraduate, Department of Computer Science
Faculty Mentor: Bruce Shapiro
Abstract Title: Using Machine Learning Techniques to Study and Process X-Ray Images: Locating Pneumonia in Lungs

Poster # 89
Mai Spaulding
Undergraduate, Department of Family and Consumer Sciences
Faculty Mentor: Jheem Medh
Abstract Title: The Effect of Bitter Melon (Momordica Charantia) on the Regulation of Cholesterol Biosynthesis in Liver Cells

Poster # 90
Mauri Stewart
Undergraduate, Department of Africana Studies
Faculty Mentor: Marquita Gammage
Abstract Title: Dismantling the Pipeline: Afrocentric Education as a Weapon Against Institutional Racism

Poster # 91
Amani Suram, Dustyn Robinson, Ashique Khandaker, Asya Alsaleh, Yousef Alzankawi, Abdulaziz Alkassim, Abdulah Alwehaidah and Saleh Alnajar
Undergraduate, Department of Civil Engineering and Construction Management Technology
Faculty Mentor: David Boyajian
Abstract Title: Experiments on coefficients for tank drainage

Poster # 92
Nicole Svare
Undergraduate, Department of Art
Faculty Mentor: Joe Bautista
Abstract Title: Creative Work | Strength United Mural Installation

Poster # 93
Janelle Talavera
Undergraduate, Department of Biology
Faculty Mentor: Jeanne Robertson
Abstract Title: Courtship behavior in two parapatrically distributed field cricket species and its role in reproductive isolation

Poster # 94
Rebecca Todd, Sarah Abu-al-shaer and Amelia Barajas
Undergraduate, Department of Mechanical Engineering
Faculty Mentor: Peter Bishay
Abstract Title: A New Lightweight Low-Cost Transradial Prosthetic Arm Design
Poster # 95
Andrea Torres Lopez, Rony Morales, Sara Lundqvist and Daniel Del Cid
Undergraduate, Department of Psychology
Faculty Mentor: Stefanie Drew
Abstract Title: Visual Discomfort and Academic Performance Across Ethnicities

Poster # 96
Travis van Leeuwen
Graduate, Department of Mechanical Engineering
Faculty Mentor: Vidya Nandikolla
Abstract Title: Development of a Hybrid Brain-Control Interface Controller for a Semi-Autonomous Wheelchair

Poster # 97
Monica Vento- No Longer Presenting
Graduate, Department of Social Work
Faculty Mentor: Lauren Willner
Abstract Title: Staff perceptions on Restorative Justice in Low Resourced high school

Poster # 98
Erin Wales
Graduate, Department of Geological Science
Faculty Mentor: Joshua Schwartz
Abstract Title: The Role of Magmatic Scapolite in Recording the Volatile Cycle of the Lower Crust

Poster # 99
Jennifer White
Undergraduate, Department of Family and Consumer Sciences
Faculty Mentor: Elizabeth Sussman
Abstract Title: Analysis of the Patient Assistance Nutritional Supplementation Program in Arizona

Poster # 100
Victoria Womble
Undergraduate, Department of Child and Adolescent Development
Faculty Mentor: April Taylor
Abstract Title: Student’s Perceptions of Social and Emotional Competence in an Ultra-Competitive Field
CAMINO THESIS TALKS  
Presented on Tuesday April 2, 2019

Joshua Carlos
Graduate Student, Kinesiology  
Faculty Mentor: Loy Steven  
3 WINS Fitness Changing the Lives of Its Students

Isaiah Lachica
Graduate Student, Kinesiology  
Faculty Mentor: Jacob Hinkel-Lisker  
Novel Skill Acquisition Using Virtual Reality: Implications for Transfer of Task Performance and Kinematics to the Real World

Yu Lang
Graduate Student, Communication Disorders and Sciences  
Faculty Mentor: Vickie Yu  
Influence of Mandarin on perception and production of American English

Isabel Lorimer
Graduate Student, Kinesiology  
Faculty Mentor: Taeyou Jung  
Comparison of Immediate Balance Outcomes Following Four Locomotor Training Modes in Individuals with Parkinson's Disease

Shely Salemnia
Graduate Student, Family and Consumer Sciences, Human Nutrition  
Faculty Mentor: Rosalia Garcia-Torres  
Red, White, and... Orange? A New Look into an Old Wine Style

Lewis Simon
Graduate Student, Public Health, Epidemiology  
Faculty Mentor: Rastogi Anjay  
Examining Race-centric Disparities in Living Donor Kidney Transplant Donor Health Outcomes

Nicole Stoehr
Graduate Student, Kinesiology  
Faculty Mentor: Jacob Hinkel-Lisker  
Watch where you walk: Human visual perception and motion of the lower limbs when navigating obstacles in a fatigued state

Christopher Umoye
Graduate Student, Environmental and Occupational Health  
Faculty Mentor: Katherine McNamara  
Developing improved community engagement models to restore LA County's urban forest
Acknowledgments

College Liaisons
Tamarah Ashton, Department of Special Education
Melisa Galvan, Department of Chicana/o Studies
Matt Jackson, Department of Theatre
Danielle Jarvis, Department of Kinesiology
Debbie Ma, Department of Psychology
Vidya Nandikolla, Department of Mechanical Engineering
Hilary Silvia-Goldberg, Department of Business Law
Elizabeth Sussman, Department of Family & Consumer Sciences
Casey terHorst, Department of Biology

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Jasmin Rodriguez, Administrative Assistant
Lluis Miquel Gonzalez Sola, Graduate Student Assistant
Fernando Ruiz, Graduate Student Assistant
Bianca Gantt, Graduate Student Assistant

Associated Students, Sponsor
University Student Union, Sponsor
Visual images by Intersect LA
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