

21<sup>ST</sup> ANNUAL RESEARCH &  
CREATIVE WORKS SYMPOSIUM

# CSUNPOSIUM

## A STUDENT SHOWCASE

**APRIL 7, 2017**

8:00 AM – 4:00 PM

UNIVERSITY STUDENT UNION

CALIFORNIA STATE UNIVERSITY, NORTHRIDGE

CALIFORNIA STATE UNIVERSITY, NORTHRIDGE



April 7, 2017

Dear Student Participants, Faculty and Staff:

Welcome to the CSUNposium (*also known as the 21st Annual Student Research & Creative Works Symposium*) at California State University, Northridge. We are pleased that you have found time to attend this truly significant academic event and experience the impressive variety of research 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 Cal State Northridge. The poster and oral presentations at today's symposium demonstrate our students dedication to research and scholarship. Their research addresses fundamental questions in the arts, sciences, and technology.

The University's distinguished faculties are at the heart of the research you see today. They are responsible for supporting the rich variety of research and scholarly opportunities available to students at CSUN. As many of our alumni will tell you, working with their professors prepared them for success in advanced degree programs. In fact, 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. According to the Hispanic Outlook in Higher Education, CSUN is ranked 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 are essential to achievement in these programs.

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

A handwritten signature in blue ink that reads "Dianne F. Harrison".

Dianne F. Harrison  
President

A handwritten signature in black ink that reads "Yi Li".

Yi Li  
Provost

A handwritten signature in black ink that reads "Crist Khachikian".

Crist Khachikian  
Associate Vice President

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## **Schedule of Events**

*Friday, April 7, 2017*

<b>8:00 AM</b>	<b>Check-In (packet pick-up) *</b>	<b>USU Northridge Center</b>
	<b><u>3-Minute Oral Presentations</u></b>	
<b>8:30 AM</b>	Session 1 All Disciplines-Graduates	<b>USU Lake Balboa Room</b>
<b>9:30 AM</b>	Session 2 All Disciplines-Undergraduates	<b>USU Lake Balboa Room</b>
<b>8:30 AM</b>	<b><u>Morning 10-Minute Oral Presentations</u></b>	
	Session 1 College of S&BS	<b>USU La Crescenta</b>
	Session 2 College of HHD & S&BS	<b>USU Panorama City</b>
	Session 3 College of CECS	<b>USU Tujunga</b>
	Session 4 College of S&M (Biology)	<b>USU Van Nuys</b>
	Session 5 College of S&BS	<b>USU Burbank Room</b>
	Session 6 College of S&M (Biology)	<b>USU Flintridge</b>
	Session 7 College of S&M and S&BS	<b>USU Lake View Terrace</b>
	Session 8 College of S&M (Biology)	<b>USU Pasadena Room</b>
	Session 9 College of S&M	<b>USU Ventura Room</b>
	Session 10 College of HHD ( <b>starts at 11:00 AM</b> )	<b>USU Lake Balboa Room</b>
<b>10:00 AM</b>	<b><u>Morning Poster Presentations</u></b>	<b>USU Northridge Center</b>
<b>12:00 PM</b>	<b>Lunch*</b>	<b>USU Northridge Center</b>
<b>12:30 PM</b>	<b><u>10-Minute Oral Presentations</u></b>	
	Session 11 College of S&BS	<b>USU La Crescenta</b>
	Session 12 College of Education	<b>USU Panorama City</b>
	Session 13 College of CECS	<b>USU Tujunga</b>
	Session 14 College of AMC and S&BS	<b>USU Van Nuys</b>
	Session 15 College of HUM	<b>USU Flintridge</b>
	Session 16 College of S&M (Biology)	<b>USU Lake View Terrace</b>
	Session 17 College of S&M (Biology)	<b>USU Pasadena Room</b>
<b>1:00 PM</b>	<b><u>Afternoon Poster Presentations</u></b>	<b>USU Northridge Center</b>
<b>3:30 PM</b>	<b>Awards Ceremony*</b>	<b>USU Grand Salon</b>

**\*Refreshments will be served**

AMC: Art Media and Communication, CECS: Engineering & Computer Science, HHD: Health & Human Development, HUM: Humanities, S&BS: Social and Behavioral Science, S&M: Science & Math



### **3-Minute Oral Presentation Session 1**

*8:30 AM - 9:20 AM-Lake Balboa Room*

- 8:30 AM Mehran Safisamghabadi**  
Graduate, Department of Mechanical Engineering  
Faculty Mentor: Christoph Schaal  
**Abstract Title: Treatment of Pain Along Spinal Cord Using Bifocal Ultrasound**
- 8:36 AM Caroline Gross**  
Graduate, Department of Geological Science  
Faculty Mentor: Elena Miranda  
**Abstract Title: Understanding strain localization and magma transport through plagioclase deformation mechanisms at work in the lowest crust of Fiordland, NZ**
- 8:42 AM Lonnie Hufford**  
Graduate, Department of Geological Science  
Faculty Mentor: Elena Miranda  
**Abstract Title: Strain localization in a long-lived transpressional shear zone within arc crust: microstructural, geochemical, and geochronologic investigation of the Grebe Mylonite Zone in Fiordland, New Zealand**
- 8:48 AM Courtney McGinn**  
Graduate, Department of Geological Science  
Faculty Mentor: Elena Miranda  
**Abstract Title: Investigation of strain localization in the South Fiord Extension of the Grebe Mylonite Zone utilizing plagioclase and quartz deformation in Fiordland, New Zealand.**
- 8:54 AM Rocio Rincon**  
Graduate, Department of Social Work  
Faculty Mentor: Allen Lipscomb  
**Abstract Title: Building Safe and Healthy Queer Communities: Addressing Intimate Partner Violence Among L.G.B.T.Q. Womxn of Color**
- 9:00 AM Sandra Sanchez Conde & Placido Saldivar**  
Graduate, Department of Social Work  
Faculty Mentor: Judith DeBonis  
**Abstract Title: The Emotional Journey Behind the Decision; Stories from Conservators of Aging Adults with Intellectual Disabilities**
- 9:06 AM Marisela Romero Alvarez & Kristal-Rose Ramos**  
Graduate, Department of Social Work  
Faculty Mentor: Allen Lipscomb  
**Abstract Title: Perspectives of Los Angeles County Child Welfare professionals towards the protection of the social work profession**

**9:12 AM**

**Daniels LaFrance**

Graduate, Department of Biology

Faculty Mentor: Cindy Malone

**Abstract Title: Comparing Expression of Protein Markers in Small Cell Lung Cancer Cell Lines Cultured in 2D Versus 3D Cancer Organoid System**

### **3-Minute Oral Presentation Session 2**

*9:30 AM - 10:20 AM-Lake Balboa Room*

- 9:30 AM      Melissa Guardado**  
Undergraduate, Department of Civil Engineering and Construction Management  
Technology  
Faculty Mentor: Tadeh Zirakian  
**Abstract Title: Structural Engineering Encountering Laboratory: Single-Story, Single-Bay Portal Frame**
- 9:36 AM      Frida Endinjok**  
Undergraduate, Department of Family and Consumer Sciences  
Faculty Mentor: Annette Besnilian  
**Abstract Title: Let's Grow Healthy: Evaluating the Effectiveness of Garden Enhanced Nutrition Education in Elementary School Children**
- 9:42 AM      Gema Ludisaca**  
Undergraduate, Department of English  
Faculty Mentor: Heidi Schumacher  
**Abstract Title: "Anchor Baby"**
- 9:48 AM      Hermes Rocha**  
Undergraduate, Department of Philosophy  
Faculty Mentor: Heidi Schumacher  
**Abstract Title: There is No Pain Like Pain Itself**
- 9:54 AM      Olivia Roberts**  
Undergraduate, Department of Cinema and Television Arts  
Faculty Mentor: Dianah Wynter  
**Abstract Title: Company of Wolves and Matriarchal Narrative Structure**
- 10:00 AM      Quinton Cameron**  
Undergraduate, Department of Biology  
Faculty Mentor: Gilberto Flores  
**Abstract Title: Development of a model system to examine interactions between Akkermansia muciniphila and the human gut.**
- 10:06 AM      Jacki Manoukian**  
Undergraduate, Department of Chemistry and Biochemistry  
Faculty Mentor: Jessica Vey  
**Abstract Title: The Effect of mutagenesis of H391 residue on dibenzothiophene monooxygenase (DszC)**

**10:12 AM**

**Cody Newman**

Undergraduate, Department of Psychology

Faculty Mentor: Erica Wohldmann

**Abstract Title: Do Vending Machines Fool Us? An Exploration of the Health Halo**

### **10-Minute Oral Presentation Session 1**

*College of Social and Behavioral Sciences, 8:30 AM - 11:20 AM- USU La Cresenta Room*

- 8:30 AM**      **Katie Alegria**  
Graduate, Department of Psychology  
Faculty Mentor: Erica Wohldmann  
**Abstract Title: Does Nature Make Us Smarter?**
- 8:50 AM**      **Ute Anderson & Alexander Petro**  
Graduate, Department of Social Work  
Faculty Mentor: Alejandra Acuna  
**Abstract Title: Multiple identities of student sex workers: Understanding their motifs, opinions, and needs**
- 9:10 AM**      **Jasmine Awad**  
Graduate, Department of Psychology  
Faculty Mentor: Stefanie Drew  
**Abstract Title: Teal is Less Than Purple: A study on bidirectionality in synesthesia**
- 9:30 AM**      **Alberto Corona**  
Graduate, Department of Social Work  
Faculty Mentor: Allen Lipscomb  
**Abstract Title: Building Resilience amongst Crossover Youth**
- 9:50 AM**      **BREAK**
- 10:00 AM**      **Michelle Durazo & Andria Saenz**  
Graduate, Department of Social Work  
Faculty Mentor: Judith DeBonis  
**Abstract Title: Perceptions of Corporate Social Responsibility and Social Worker Amongst Corporate Business Managers**
- 10:20 AM**      **Karen Gilbert & Stacy Blanco**  
Graduate, Department of Social Work  
Faculty Mentor: Jodi Brown  
**Abstract Title: Parents of Frostig: Exploring the Transition Experience for Caregivers of Learning Disabled Youth**
- 10:40 AM**      **Alison Hochman**  
Graduate, Department of Psychology  
Faculty Mentor: Stefanie Drew  
**Abstract Title: The Impact of Visual Discomfort in the College Population**

**11:00 AM**

**Paula Mota**

Graduate, Department of Anthropology

Faculty Mentor: Rachel Giraudo

**Abstract Title: Interrogating Globalization: Anthropology and Sport**

## **10-Minute Oral Presentation Session 2**

*College of Health and Human Development and Social and Behavioral Sciences*

*8:30 AM - 11:40 AM- USU Panorama City Room*

- 8:30 AM Erica Aguiar, Jermaine Ang, Nicolle Martin & Mary Garcia-Casas**  
Graduate, Department of Physical Therapy  
Faculty Mentor: Margaret Roller  
**Abstract Title: The Effects of the RSVP Bone Builders Program on Strength, Balance and Balance Confidence, Gait Speed, Fall Risk, and Life Satisfaction**
- 8:50 AM Kimberly Arellano**  
Graduate, Department of Health Sciences  
Faculty Mentor: Vicki Ebin  
**Abstract Title: Measuring Young Adults' Health Insurance Literacy: A Pilot Study**
- 9:10 AM Shaine Danbeli**  
Graduate, Department of Kinesiology  
Faculty Mentor: George Kioussis  
**Abstract Title: Joao Havelange and the "Democratization" of FIFA Refereeing at World Cup Finals**
- 9:30 AM Monique Griffiths & Jessica Chiang**  
Undergraduate, Department of Health Sciences  
Faculty Mentor: Shu-Sha Angie Guan  
**Abstract Title: Caregiver Relationships and General Support Related to Depressive Symptoms and BMI**
- 9:50 AM Gerardo Gutierrez**  
Undergraduate, Department of Environmental and Occupational Health  
Faculty Mentor: Nola Kennedy  
**Abstract Title: Determining the Genetic Requirement for BPA's Effect on Germ Cell Epigenetic Regulation**
- 10:10 AM BREAK**
- 10:20 AM Christopher Rogers**  
Graduate, Department of Health Sciences  
Faculty Mentor: Stephanie Benjamin  
**Abstract Title: Prevalence of adverse childhood experiences and associated health and academic outcomes reported in a college sample**

- 10:40 AM**      **Esther Schultz & Alyssa Bartholomew**  
Graduate, Department of Family and Consumer Sciences  
Faculty Mentor: Elizabeth Sussman  
**Abstract Title: Does Existing Dietary Supplement Regulation Adequately Protect Consumers?**
- 11:00 AM**      **Danica Marie Tolentino**  
Graduate, Department of Kinesiology  
Faculty Mentor: Taeyou Jung  
**Abstract Title: Comparison of immediate gait outcomes following seated stepping, elliptical training, treadmill walking, and overground walking in individuals with Parkinson's disease**
- 11:20 AM**      **Shir Zion**  
Graduate, Department of Psychology  
Faculty Mentor: Ellie Kazemi  
**Abstract Title: Experimental Analysis of Variables that Affect Healthier Snack Selection**



### **10-Minute Oral Presentation Session 3**

*College of Engineering & Computer Science, 8:30 AM - 10:50 AM- USU Tujunga Room*

- 8:30 AM      Akinwande Akinwunmi**  
Undergraduate, Department of Mechanical Engineering  
Faculty Mentor: Peter Bishay  
**Abstract Title: Design and manufacture of a new span morphing wing**
- 8:50 AM      William Conlin**  
Undergraduate, Department of Mechanical Engineering  
Faculty Mentor: Vibhav Durgesh  
**Abstract Title: Separation Location Detection on Airfoils from Flow Visualization Images**
- 9:10 AM      Richard Dean Dojillo**  
Undergraduate, Department of Computer Science  
Faculty Mentor: Vahab Pournaghshband  
**Abstract Title: Detecting Strict Priority Queuing on the Network**
- 9:30 AM      Christian Garcia & Sergio Valenzuela**  
Undergraduate, Department of Mechanical Engineering  
Faculty Mentor: Peter Bishay  
**Abstract Title: Sweep Morphing Wing**
- 9:50 AM      Ryan Green & Richard Aldana**  
Undergraduate, Department of Mechanical Engineering  
Faculty Mentor: Peter Bishay  
**Abstract Title: New Macro-Fiber Composite Actuated Seamless Camber Morphing Wing Design**
- 10:10 AM      Steve Martinez, Jessica Shaffstall, John Paul Lionel**  
Undergraduate, Department of Mechanical Engineering  
Faculty Mentor: Peter Bishay  
**Abstract Title: Integrated Morphing Winglet Design with Shape Memory Alloy Driven Actuation**
- 10:30 AM      Nasser Ramsis, Nomer Piol & Ian Sieker**  
Undergraduate, Department of Mechanical Engineering  
Faculty Mentor: Peter Bishay  
**Abstract Title: Development of a twist morphing wing design using an SMA based smart soft composite**

## **10-Minute Oral Presentation Session 4**

*College of Science & Math, 8:30 AM - 11:20 AM- Van Nuys Room*

- 8:30 AM      Allea Cauilan, BUILD PODER**  
Undergraduate, Department of Biology  
Faculty Mentor: Cristian Ruiz Rueda  
**Abstract Title: Intracellular Accumulation of Amino Acids in Escherichia coli Mutants Lacking the AcrAB-TolC Multidrug Efflux Pump**
- 8:50 AM      Erika Duell, BUILD PODER**  
Undergraduate, Department of Biology  
Faculty Mentor: Jonathan Kelber  
**Abstract Title: The Effect of Glucose Concentration on Soluble Cripto Levels and Cellular Localization**
- 9:10 AM      Samantha Hain**  
Undergraduate, Department of Biology  
Faculty Mentor: Samantha Butler  
**Abstract Title: Deriving Sensory Spinal Interneurons from Human Pluripotent Stem Cells**
- 9:30 AM      Julie Hong, BUILD PODER**  
Undergraduate, Department of Biology  
Faculty Mentor: Jonathan Kelber  
**Abstract Title: RAI14 regulates proliferation/survival and migration on fibronectin substrates in mutant KRas pancreatic cancer cells**
- 9:50 AM      BREAK**
- 10:00 AM     Sa la Kim**  
Undergraduate, Department of Biology  
Faculty Mentor: Jonathan Kelber  
**Abstract Title: ITGA1 is an early biomarker in pancreatic cancer that potentiates stem-like cell survival and TGF $\beta$ /collagen-induced EMT, therapy resistance and metastasis**
- 10:20 AM     Lindsay Kutscher, BUILD PODER**  
Undergraduate, Department of Biology  
Faculty Mentor: Jonathan Kelber  
**Abstract Title: Blockade of eIF5A hypusination reverses PEA3-mediated TGF $\beta$ /induced EMT and synergizes with HDAC6 inhibition to potently kill metastatic breast cancer cells**

- 10:40 AM**      **Oswaldo Miranda**  
Undergraduate, Department of Biology  
Faculty Mentor: Cristian Ruiz Rueda  
**Abstract Title: Distribution and Characterization of Carbapenem-Resistant Bacteria in Lakes and Ponds in the San Fernando Valley**
- 11:00 AM**      **Bobby Teng**  
Undergraduate, Department of Biology  
Faculty Mentor: Lisa Banner  
**Abstract Title: Examining the effects of kale, arugula, and dandelion greens on memory in obese pre-diabetic C57BL/6 mice**

### **10-Minute Oral Presentation Session 5**

*College of Social and Behavioral Sciences, 8:30 AM - 11:20 AM- USU Burbank Room*

- 8:30 AM**      **Maira Areguin**  
Graduate, Department of Psychology  
Faculty Mentor: Que-Lam Huynh  
**Abstract Title: Reaping More than What They Sow: Latina/o Farm Workers' Experiences with Environmental Microaggressions**
- 8:50 AM**      **Chelsea Carter**  
Graduate, Department of Psychology  
Faculty Mentor: Ellie Kazemi  
**Abstract Title: Workplace Conflict for Board Certified Behavior Analysts**
- 9:10 AM**      **Milagros Contreras & Mayra Villa**  
Graduate, Department of Social Work  
Faculty Mentor: Judith Anne DeBonis  
**Abstract Title: Barriers to Reporting Domestic Violence: Latina Women's Perspective**
- 9:30 AM**      **Tangier Davis**  
Graduate, Department of Psychology  
Faculty Mentor: Debbie Ma  
**Abstract Title: The Consequences of Concealment**
- 9:50 AM**      **BREAK**
- 10:00 AM**      **Jennifer Galarze**  
Graduate, Department of Social Work  
Faculty Mentor: Jodi Brown  
**Abstract Title: A Qualitative Study: Understanding Adulthood after Witnessing Intimate Partner Violence as a Child**
- 10:20 AM**      **Martha Gonzalez & Anna Corona**  
Graduate, Department of Social Work  
Faculty Mentor: Jodi Brown  
**Abstract Title: Barriers that Limit Access to Healthcare in Latino Women**
- 10:40 AM**      **Griselda Vargas & Angelica Medina**  
Graduate, Department of Social Work  
Faculty Mentor: Judith DeBonis  
**Abstract Title: Latino/a Perspectives on the Black Lives Matter Movement**
- 11:00 AM**      **Lyndsey Weiss**  
Graduate, Department of Social Work  
Faculty Mentor: Allen Lipscomb  
**Abstract Title: Sexual Violence Prevention Education Among Young Adults**

### **10-Minute Oral Presentation Session 6**

*College of Science & Math, 8:30 AM - 11:40 AM-USU Flintridge Room*

- 8:30 AM**      **Gabriela Alvarez Azanedo**  
Undergraduate, Department of Biology  
Faculty Mentor: Cindy Malone  
**Abstract Title: FoxP3Δ3 Regulation of PD-L1 Expression in Bladder Cancer Cells**
- 8:50 AM**      **Heather Carstensen**  
Undergraduate, Department of Biology  
Faculty Mentor: Ray Hong  
**Abstract Title: Characterization of a Dauer Constitutive Mutant in a Nematode**
- 9:10 AM**      **Joanna Hurtado**  
Undergraduate, Department of Biology  
Faculty Mentor: Rheem Medh  
**Abstract Title: Effects of RCAN1 knockdown on Dex-induced apoptosis of human lymphoblastic leukemia cells**
- 9:30 AM**      **Gabriel Lewin**  
Undergraduate, Department of Biology  
Faculty Mentor: Cindy Malone  
**Abstract Title: Does mTOR Affects Neural Proliferation and Maturation Through MAP1B**
- 9:50 AM**      **Stephanie Kennedy**  
Undergraduate, Department of Biology  
Faculty Mentor: Cindy Malone  
**Abstract Title: Investigating the Mitochondrial Disulfide Relay System in Human Pluripotent Stem Cells with MitoBloCK6**
- 10:10 AM**      **BREAK**
- 10:20 AM**      **Lesslie Jocol-Perez**  
Undergraduate, Department of Biology  
Faculty Mentor: Cindy Malone  
**Abstract Title: Characterization of AF4/FMR2 Family Member 3 and its Association to Mantle Cell Lymphoma**
- 10:40 AM**      **Jacqueline Saenz**  
Undergraduate, Department of Biology  
Faculty Mentor: Cindy Malone  
**Abstract Title: Cardiovascular Progenitor Cell Expansion for Differentiation into Cardiomyocytes for Regenerative Cardiac Therapy**

**11:00 AM**      **Carlos Salas Chung**  
Undergraduate, Department of Biology  
Faculty Mentor: Cindy Malone  
**Abstract Title: In vitro Maturation of Human Stem Cell derived Interneurons**

**11:20 AM**      **Carlos Vargas, BUILD PODER**  
Undergraduate, Department of Biology  
Faculty Mentor: Robert Espinoza  
**Abstract Title: Going Green Takes Guts: Plant-Eating Specializations in Gut Form and Function in the World's Largest Skink**

## **10-Minute Oral Presentation Session 7**

*College of Science & Math and Social & Behavioral Sciences, 8:30 AM - 11:40 AM  
USU Lake View Terrace Room*

- 8:30 AM      Nickie Cammisa**  
Graduate, Department of Biology  
Faculty Mentor: Casey terHorst  
**Abstract Title: Genotypic variation in an invasive plant's response to mutualists and drought**
- 8:50 AM      Meaghan Clark**  
Graduate, Department of Biology  
Faculty Mentor: Jeanne Robertson  
**Abstract Title: Does hybridization promote speciation? The fate of hybrids in a contact zone of red-eyed treefrogs**
- 9:10 AM      Anthony Cobos**  
Graduate, Department of Biology  
Faculty Mentor: Robert Espinoza  
**Abstract Title: Testing Gollum Rule: Convergent Evolution in Morphology and Physiology among Malaysian Cave-Dwelling Geckos**
- 9:30 AM      Matthew Dickson**  
Graduate, Department of Biology  
Faculty Mentor: Robert Espinoza  
**Abstract Title: Rapidly Adapting to the Neighborhood: Physiological Responses of Mediterranean House Geckos to their Introduced Climates**
- 9:50 AM      Nicholas Hager**  
Graduate, Department of Geography  
Faculty Mentor: Amalie Orme  
**Abstract Title: Landscape Response to Fire: Erosion rates using ground survey and UAV imagery**
- 10:10 AM      BREAK**
- 10:20 AM      Carson Keller**  
Graduate, Department of Biology  
Faculty Mentor: Tim Karels  
**Abstract Title: Sublethal Effects of Predators on Prey Foraging Behavior and Stress Physiology**

- 10:40 AM**      **Melissa Kurman**  
Graduate, Department of Biology  
Faculty Mentor: Casey terHorst  
**Abstract Title: Variable responses of Giant Kelp (*Macrocystis pyrifera*) individuals and populations to warming**
- 11:00 AM**      **Dillon Monroe**  
Graduate, Department of Biology  
Faculty Mentor: Robert Espinoza  
**Abstract Title: Challenges to Defining the Niche of an Invasive Human-Commensal Gecko**
- 11:20 AM**      **Zoe Scott**  
Graduate, Department of Biology  
Faculty Mentor: Casey terHorst  
**Abstract Title: Effects of the invasive foundation species, *Watersipora subtorquata*, on fouling community structure are environmentally dependent**



### **10-Minute Oral Presentation Session 8**

*College of Science & Math, 8:30 AM - 11:20 AM- USU Pasadena Room*

- 8:30 AM      Tabitha Bayangos**  
Graduate, Department of Biology  
Faculty Mentor: Kerry Cooper  
**Abstract Title: Quantification of antibiotic resistant bacteria from meats and poultry**
- 8:50 AM      Alex Burkert**  
Graduate, Department of Biology  
Faculty Mentor: Rachel Mackelprang  
**Abstract Title: Identifying Changes in the Active, Dead, and Dormant Microbial Community Structures across a Chronosequence of Ancient Alaskan Permafrost**
- 9:10 AM      Angelica Cruz**  
Graduate, Department of Biology  
Faculty Mentor: Randy Cohen  
**Abstract Title: Effect of stem cells on an animal model of type 1 diabetes**
- 9:30 AM      Sarkis Hamalian**  
Graduate, Department of Biology  
Faculty Mentor: Jonathan Kelber  
**Abstract Title: The Role of PEAK1 on the Pro-tumorigenic Functions of Human Cancer-associated Fibroblasts on Breast Cancer Cells**
- 9:50 AM      BREAK**
- 10:00 AM     Erik Hearn**  
Graduate, Department of Biology  
Faculty Mentor: Gilberto Flores  
**Abstract Title: Mucin degradation by human symbiont Akkermansia muciniphila**
- 10:20 AM     Preston Shisgal**  
Graduate, Department of Biology  
Faculty Mentor: Preston Kelber  
**Abstract Title: PEAK1 Signaling and Function in Mesenchymal Stem Cells and its Effect on Breast Cancer**
- 10:40 AM     Wesley Tierney**  
Graduate, Department of Biology  
Faculty Mentor: Randy Cohen  
**Abstract Title: The Long-Term Effects of Human Neural Progenitor Cells on a Rat Model of Ataxia**

**11:00 AM**

**Lena Vincent**

Graduate, Department of Biology

Faculty Mentor: David Bermudes

**Abstract Title: Heterologous Expression of Multigene Toxins in a Tumor-Targeted Salmonella**

### **10-Minute Oral Presentation Session 9**

*College of Science & Math, 8:30 AM - 11:30 AM- USU Ventura Room*

- 8:30 AM      Esteban Bautista, BUILD PODER**  
Undergraduate, Department of Chemistry and Biochemistry  
Faculty Mentor: Jared Ashcroft  
**Abstract Title: It's Raining: Remotely Accessible Instruments in Nanotechnology to Promote Student Success**
- 8:50 AM      Vincent Carpenter**  
Graduate, Department of Physics and Astronomy  
Faculty Mentor: Wladimir Lyra  
**Abstract Title: Investigating the Tidal Downsizing model of planet formation**
- 9:10 AM      Kellee Eberle**  
Graduate, Department of Chemistry and Biochemistry  
Faculty Mentor: Jessica Vey  
**Abstract Title: Initial Studies of Amino Acid Residue Mutations in the Active Site of Dibenzothiophene monooxygenase (DszC)**
- 9:30 AM      Roberto Espinoza**  
Undergraduate, Department of Chemistry and Biochemistry  
Faculty Mentor: Takashi Ito  
**Abstract Title: Diffusion of Uncharged Rhodamine B Molecules in Self-Assembled Organic Nanotubes Studies by Imaging Fluorescence Correlation Spectroscopy**
- 9:50 AM      BREAK**
- 10:00 AM     Ismail Hossain**  
Graduate, Department of Chemistry and Biochemistry  
Faculty Mentor: Taeboem Oh  
**Abstract Title: Imidazolium Based Room Temperature Ionic Liquids in Organic Synthesis**
- 10:20 AM     Thomas Look & Mac Lee**  
Graduate, Department of Physics and Astronomy  
Faculty Mentor: Donna Sheng  
**Abstract Title: Many-Body Localization in Spin Chain System with Quasi-Periodic Potential**
- 10:40 AM     Gilberto Mendez & Bilal Madha, BUILD PODER**  
Undergraduate, Department of Chemistry and Biochemistry  
Faculty Mentor: Jessica Vey  
**Abstract Title: The Biochemical Characterization of the Flavin Reductase Involved in the Bacterial Desulfurization of Dibenzothiophene (DBT)**

**11:00 AM**

**Alain Olavarrieta Stefanoni**

Graduate, Department of Mathematics

Faculty Mentor: Daniel Katz

**Abstract Title: Designing Sequences with Low Correlation**

### **10-Minute Oral Presentation Session 10**

*College of Health and Human Development, 11:00 AM - 1:50 PM-USU Lake Balboa Room*

- 11:00 AM Dalal Almutib**  
Graduate, Department of Kinesiology  
Faculty Mentor: Teri Todd  
**Abstract Title: Differences of Motor Skills between College Students with and without Autism Spectrum Disorder using a motion analysis system**
- 11:20 AM Hallie Bui**  
Graduate, Department of Kinesiology  
Faculty Mentor: Taeyou Jung  
**Abstract Title: Physical and Psychological Outcomes Following Aquatic Exercise in Individuals with Total Knee Arthroplasty: A Case Study**
- 11:40 AM Steffanie Colgate**  
Graduate, Department of Kinesiology  
Faculty Mentor: Teri Todd  
**Abstract Title: Effects of a peer-mentoring exercise program on physical activity and fitness for college students with Autism Spectrum Disorder**
- 12:00 PM Takuto Fujii**  
Graduate, Department of Kinesiology  
Faculty Mentor: Taeyou Jung  
**Abstract Title: Analysis of Brain Activity During Dual Task Walking in Individuals with Parkinson's Disease**
- 12:20 BREAK**
- 12:30 PM Kyle Geary**  
Graduate, Department of Kinesiology  
Faculty Mentor: Teri Todd  
**Abstract Title: Difference in postural sway between college students with and without ASD**
- 12:50 PM Hyosok Lim**  
Graduate, Department of Kinesiology  
Faculty Mentor: Taeyou Jung  
**Abstract Title: Influence of water depth on energy expenditure during aquatic walking in people post-stroke**

**1:10 PM**

**Cindy Rhode**

Graduate, Department of Kinesiology

Faculty Mentor: Taeyou Jung

**Abstract Title: Research Proposal of The Comparison of Brain Activity Patterns During Active-Assistive, Voluntary, and Passive-Assistive Exercise in People with Parkinson's Disease**

**1:30 PM**

**Mayumi Wagatsuma**

Graduate, Department of Kinesiology

Faculty Mentor: Taeyou Jung

**Abstract Title: Relationship between muscular strength and functional balance in people post-stroke**

### **10-Minute Oral Presentation Session 11**

*College of Social and Behavioral Sciences, 12:30 PM - 2:30 PM-USU La Cresenta Room*

- 12:30 PM Elizabeth Calzada**  
Undergraduate, Department of History  
Faculty Mentor: Heidi Schumacher  
**Abstract Title: Comparison of Odysseus and Themistocles**
- 12:50 PM Brian Mercado**  
Undergraduate, Department of Sociology  
Faculty Mentor: Heidi Schumacher  
**Abstract Title: Can Multicultural Feminist Societies Exist?**
- 1:10 PM Chiemelie Onyekonwu, BUILD PODER**  
Undergraduate, Department of Psychology  
Faculty Mentor: Virginia Huynh  
**Abstract Title: Examining the Relationship Between Ethnic-Racial Socialization and Stress Among Latino/a Students**
- 1:30 PM Taylor Rodiger**  
Undergraduate, Department of History  
Faculty Mentor: Nan Yamane  
**Abstract Title: Deportation Fears and Realities**
- 1:50 PM Taylor Shigaki**  
Undergraduate, Department of Psychology  
Faculty Mentor: Erica Wohldmann  
**Abstract Title: Tricking the Mind: Exploring the Benefits of a Virtual Reality World**
- 2:10 PM Eryn Talevich**  
Undergraduate, Department of Anthropology  
Faculty Mentor: Heidi Schumacher  
**Abstract Title: Telling Fortunes**

## **10-Minute Oral Presentation Session 12**

*College of Education, 12:30 PM - 2:30 PM-USU Panorama City Room*

- 12:30 PM**      **Felicia Conlan**  
Graduate, Department of Educational Leadership and Policies Studies  
Faculty Mentor: Dimpal Jain  
**Abstract Title: Concussion to Classroom: Post-Concussion Academic Reintegration of Collegiate Club Sports Athletes**
- 12:50 PM**      **Jessica Erker**  
Graduate, Department of Educational Psychology and Counseling  
Faculty Mentor: Diane Gehart  
**Abstract Title: Qualitative study of contemporary Satir family therapy: Theoretical and practical developments over the past 30 years**
- 1:10 PM**      **Leora Gabay**  
Graduate, Department of Educational Leadership and Policies Studies  
Faculty Mentor: Sue Sears  
**Abstract Title: EASE: Exercise for Academic Success and Excellence**
- 1:30 PM**      **Hala Maida**  
Graduate, Department of Educational Psychology and Counseling  
Faculty Mentor: Diane Gehart  
**Abstract Title: The Friend-O-Gram: How to Assess and Map Out the Social Networks of Adolescent and Adult Clients**
- 1:50 PM**      **Carla Martinez**  
Undergraduate, Department of Deaf Studies  
Faculty Mentor: Heidi Schumacher  
**Abstract Title: CSUN Undocumented Students and How Stressors Affect their Educational Attainment**
- 2:10 PM**      **Jasmine Ruffin**  
Undergraduate, Department of Deaf Studies  
Faculty Mentor: William Garrow  
**Abstract Title: Where Are the Interpreters of Color? Understanding Racial Diversity within Interpreting Training Programs**



### **10-Minute Oral Presentation Session 13**

*College of Engineering and Computer Science, 12:30 PM - 2:30 PM-USU Tujunga Room*

- 12:30 PM      Jeremy Friedman**  
Graduate, Department of Mechanical Engineering  
Faculty Mentor: Nhut Ho  
**Abstract Title: Effects of Automation Predictability and Understandability on Trust in Human-Machine Teaming**
- 12:50 PM      Gelareh Jahangiri**  
Graduate, Department of Manufacturing Systems Engineering and Management  
Faculty Mentor: Maryam Tabibzadeh  
**Abstract Title: A Proactive Risk Assessment Framework to Enhance Patient Safety in Operating Rooms**
- 1:10 PM      Omar Qureshi**  
Graduate, Department of Mechanical Engineering  
Faculty Mentor: Vibhav Durgesh  
**Abstract Title: Design of an Automated Aerodynamic Load Measurement System**
- 1:30 PM      Ardalan Raisi Sofi**  
Graduate, Department of Mechanical Engineering  
Faculty Mentor: Peter Bishay  
**Abstract Title: Explicit Tangent Stiffness Matrix for the Geometrically Nonlinear Analysis of Laminated Composite Space Frame Structures**
- 1:50 PM      Muzaffaruddin Syed**  
Graduate, Department of Mechanical Engineering  
Faculty Mentor: Peter Bishay  
**Abstract Title: Design of Periodic Structures**
- 2:10 PM      Paulo Yu**  
Graduate, Department of Mechanical Engineering  
Faculty Mentor: Vibhav Durgesh  
**Abstract Title: Experimental Study of Fluid Flow in Aneurysm**

### **10-Minute Oral Presentation Session 14**

*College of Art Media & Communication and Social & Behavioral Science, 12:30 PM - 1:50 PM  
USU Van Nuys*

- 12:30 PM      John Grilli**  
Graduate, Department of History  
Faculty Mentor: Clementine Oliver  
**Abstract Title: War of Words: Patriotism, Propaganda, and Profits in Hollywood During World War II**
- 12:50 PM      David Kano & Ray Roman**  
Graduate, Department of Journalism  
Faculty Mentor: Melissa Wall  
**Abstract Title: Virtual Reality: Sports Perspectives**
- 1:10 PM      Zara Kuredjian**  
Graduate, Department of Art  
Faculty Mentor: Samantha Fields  
**Abstract Title: Trauma, Narrative, and Identity**
- 1:30 PM      Spencer Myers & Rynne Smith**  
Undergraduate, Department of Cinema and Television Arts  
Faculty Mentor: Dianah Wynter  
**Abstract Title: The Feminist Nature of Mad Max: Fury Road**

### **10-Minute Oral Presentation Session 15**

*College of Humanities, 12:30 PM - 2:50 PM-Flintridge Room*

- 12:30 PM**      **Gabriela Almendarez**  
Graduate, Department of English  
Faculty Mentor: Colleen Tripp  
**Abstract Title: (Re)mapping Womanhood: Femicide, Space, and the Search for Identity in Desert Blood**
- 12:50 PM**      **Karen Casady**  
Graduate, Department of English  
Faculty Mentor: Michael Bryson  
**Abstract Title: Literary Theory and Healing the World**
- 1:10 PM**      **Javier Gomez**  
Graduate, Department of Chicano/a Studies  
Faculty Mentor: Renee Moreno  
**Abstract Title: ADHD Journey**
- 1:30 PM**      **Elizabeth Hernandez**  
Undergraduate, Department of Linguistics  
Faculty Mentor: Stephanie Kim  
**Abstract Title: The Politics of Language & Gender**
- 1:50 PM**      **Armen Manuk-Khaloyan**  
Graduate, Department of History  
Faculty Mentor: Donal O'Sullivan  
**Abstract Title: Hopes, Fears, and Expectations: The Ottoman Empire and the Outbreak of the First World War**
- 2:10 PM**      **Caitlin Postal**  
Graduate, Department of English  
Faculty Mentor: Scott Kleinman  
**Abstract Title: He Just Can't Wait to Be King. . . Or Can He?**  
**The Impact of Language on King Horn's Journey from Child to King**

### **10-Minute Oral Presentation Session 16**

*College of Science & Math, 12:30 PM - 2:30 PM-USU Lake View Terrace Room*

- 12:30 PM**      **Russell Dauksis**  
Graduate, Department of Biology  
Faculty Mentor: Mark Steele  
**Abstract Title: Top-Down Versus Bottom-up Processes in a Protected Eelgrass Bed (Zostera Marina)**
- 12:50 PM**      **Alexis Estrada**  
Graduate, Department of Biology  
Faculty Mentor: Mark Steele  
**Abstract Title: Key habitats for green abalone (Haliotis fulgens)**
- 1:10 PM**        **Joshua Manning**  
Graduate, Department of Biology  
Faculty Mentor: Robert Carpenter  
**Abstract Title: Differential effects of wounding and ocean acidification on tropical crustose coralline algae**
- 1:30 PM**        **Sarah Merolla**  
Graduate, Department of Biology  
Faculty Mentor: Robert Carpenter  
**Abstract Title: Effects of water flow and ocean acidification on calcification for different morphologies of coralline algae**
- 1:50 PM**        **Cameron Pujdak**  
Graduate, Department of Biology  
Faculty Mentor: Steve Dudgeon  
**Abstract Title: Separation anxiety: Using robust criteria for determining cryptic species**
- 2:10 PM**        **Bridget Shayka**  
Graduate, Department of Biology  
Faculty Mentor: Robert Carpenter  
**Abstract Title: Short-term effects of a nutrient pulse on crustose coralline algae under ocean acidification**

### **10-Minute Oral Presentation Session 17**

*College of Science & Math, 12:30 PM - 2:30 PM- USU Pasadena Room*

- 12:30 PM**      **Alina Adamian**  
Graduate, Department of Biology  
Faculty Mentor: Cindy Malone  
**Abstract Title: Small Lymphocytic Lymphoma Associated miR-155 Promoter Isolation, Characterization and Analysis**
- 12:50 PM**      **Eric Allen**  
Graduate, Department of Biology  
Faculty Mentor: Cindy Malone  
**Abstract Title: The STAT family of transcription factors are essential for activity of the evolutionarily conserved PNPT1 gene.**
- 1:10 PM**        **Desiree Goetting**  
Graduate, Department of Biology  
Faculty Mentor: Cheryl Van Buskirk  
**Abstract Title: Multiple signaling pathways mediate plasticity in sleep drive**
- 1:30 PM**        **Fernando Hernandez**  
Graduate, Department of Biology  
Faculty Mentor: Cindy Malone  
**Abstract Title: Molecular Signatures of Epithelial-to-Mesenchymal Transitions in Hepatocellular Carcinoma and Circulating Tumor Cell Counts**
- 1:50 PM**        **Charlie Seibert**  
Graduate, Department of Biology  
Faculty Mentor: Cindy Malone  
**Abstract Title: Activation of PSA to Enhance Degradation of Aggregate Prone Proteins**
- 2:10 PM**        **Lawrence Shaktah**  
Graduate, Department of Biology  
Faculty Mentor: Cindy Malone  
**Abstract Title: Regulation and promoter region analysis of the PDCD6IP gene**

## **Morning Poster Session**

*USU Northridge Center 10 AM-11:30 AM*

- Poster 1**      **Edward Agazaryan**  
Undergraduate, Department of Kinesiology  
Faculty Mentor: Rosa Angulo-Barroso  
**Abstract Title: EMG Activity in a Child with Autism Spectrum Disorder during a landing task: A case study**
- Poster 2**      **Maral Aghvinian**  
Graduate, Department of Psychology  
Faculty Mentor: Mark Sergi  
**Abstract Title: Social functioning, empathy, and working memory in schizotypy**
- Poster 3**      **Dafne Aguilar**  
Graduate, Department of Social Work  
Faculty Mentor: Allen Lipscomb  
**Abstract Title: Keep Ya Head Up: Qualitative examination of resiliency among formerly system involved Latinx young adults.**
- Poster 4**      **Cristina Alarcon, BUILD PODER**  
Faculty Mentor: Mintesnot Woldeamanuel  
Undergraduate, Department of Sociology  
**Abstract Title: The Decline in Walking and Cycling to School: Assessing the Built Environment, Social Factors and Health Implications**
- Poster 5**      **Angelica Alberto, BUILD PODER**  
Faculty Mentor: Taeyou Jung  
Undergraduate, Department of Kinesiology  
**Abstract Title: Cardiorespiratory responses to aquatic walking at various depths in people post-stroke**
- Poster 6**      **Arsalan Amir Ali**  
Faculty Mentor: Michael Summers  
Graduate, Department of Biology  
**Abstract Title: Role of SigB2/SapB2, a sigma factor/anti-sigma factor regulatory pair in Nostoc punctiforme**
- Poster 7**      **Solishia Andico**  
Faculty Mentor: Joshua Schwartz  
Graduate, Department of Geological Science  
**Abstract Title: Continental crust formation from arc flare-ups: A look at lower and middle crust plutons in Fiordland, New Zealand**

- Poster 8**      **Diana Banuelos, BUILD PODER**  
Faculty Mentor: Sun-Mee Kang  
Undergraduate, Department of Psychology  
**Abstract Title:** **Differences in the Latency of P300 between Deaf Signers and Hearing Non-Signers**
- Poster 9**      **Shawntel Barreiro**  
Faculty Mentor: Heidi Schumacher  
Undergraduate, Department of Linguistics  
**Abstract Title:** **Linguistic perspectives on the current Mohegan language revival**
- Poster 10**      **Joshua Bauman**  
Faculty Mentor: Nola Kennedy  
Undergraduate, Department of Environmental and Occupational Health  
**Abstract Title:** **OH, Radical Production in Bronchial Alveolar Lavage Fluid**
- Poster 11**      **Juliana Bemudez & Ryan Meza, BUILD PODER**  
Faculty Mentor: Bingbing Li  
Undergraduate, Department of Manufacturing Systems Engineering and Management  
**Abstract Title:** **3D Bio printing of blood Vessels for Cell Viability**
- Poster 12**      **Domenick Booker**  
Faculty Mentor: Nola Kennedy  
Graduate, Department of Environmental and Occupational Health  
**Abstract Title:** **Effect of Music on Hearing in Dance Instructors and Students**
- Poster 13**      **Jennifer Cabrera**  
Faculty Mentor: Shu-Sha Angie  
Undergraduate, Department of Child and Adolescent Development  
**Abstract Title:** **Social Media and Self-Esteem**
- Poster 14**      **Francesca Campisi**  
Graduate, Department of Family and Consumer Sciences  
Faculty Mentor: Dena Herman  
**Abstract Title:** **Commit to be Fit - Nutrition Education Curriculum**
- Poster 15**      **Angela Cannata & Estelli Melgar**  
Undergraduate, Department of Chemistry and Biochemistry  
Faculty Mentor: Eric Kelson  
**Abstract Title:** **Toxicity of terpyridine based anti-tumor agents against HepG2 cultures**
- Poster 16**      **Natasha Carlson, BUILD PODER**  
Undergraduate, Department of Biology  
Faculty Mentor: Cristian Ruiz-Rueda  
**Abstract Title:** **Looking for Carbapenem Resistant Bacteria in the Tujunga Ponds**

- Poster 17**      **Amelia Carrera & Jaqueline Dighero, BUILD PODER**  
Undergraduate, Department of Psychology  
Faculty Mentor: Meeta Banerjee  
**Abstract Title: How Latino adolescent's mental health and parent's academic socialization serve as predictors to academic self-concept.**
- Poster 18**      **Jocelyn Castellanos**  
Undergraduate, Department of Environmental and Occupational Health  
Faculty Mentor: Nola Kennedy  
**Abstract Title: Characterization of a Probiotic Lactobacillus Strain Associated with Reduced Inflammatory Toxicity**
- Poster 19**      **Bianca Chavez & Alejandra Fausto**  
Department of Chemistry and Biochemistry  
Faculty Mentor: Thomas Minehan  
**Abstract Title: Study of Small Molecule Binding to DNA**
- Poster 20**      **Andrea Cummings**  
Graduate, Department of Family and Consumer Sciences  
Faculty Mentor: Dena Herman  
**Abstract Title: Acceptability of a Wearable Dietary Tracking Device**
- Poster 21**      **Lisa Dalati & Jose Estrada**  
Graduate, Department of Psychology  
Faculty Mentor: Scott Plunkett  
**Abstract Title: Family Cohesion as a Potential Moderator of Contextual Risk Factors on Latino Adolescents Delinquency in Los Angeles**
- Poster 22**      **Cesar De Jeronimo**  
Undergraduate, Department of Chemistry and Biochemistry  
Faculty Mentor: Eric Kelson  
**Abstract Title: DNA binding by terpyridine based anti-tumor candidates and their complexes**
- Poster 23**      **Desiree Di Lorenzo, Geovanny Aguirre Burgos & Abdy Lang**  
Undergraduate, Department of Kinesiology  
Faculty Mentor: Sean Flanagan  
**Abstract Title: Relative Contributions of Ankle, Knee and Hip Joint During Landing**
- Poster 24**      **Jaqueline Dighero, BUILD PODER**  
Undergraduate, Department of Psychology  
Faculty Mentor: Meeta Banerjee  
**Abstract Title: Sexual Perceptions**



- Poster 25**      **Cameron Farsar & Lysandra Sayer**  
Graduate, Department of Biology  
Faculty Mentor: Cristian Ruiz Rueda  
**Abstract Title: Isolation of Carbapenem-Resistant Bacteria from Urban Soil Samples in Northridge, CA**
- Poster 26**      **Jennifer Flores, BUILD PODER**  
Undergraduate, Department of Health Sciences  
Faculty Mentor: Stephan Chung  
**Abstract Title: Implementing Spanish- Language Hospice Video with Palliative Care Patients**
- Poster 27**      **Alexa Fuentes, BUILD PODER**  
Undergraduate, Department of Psychology  
Faculty Mentor: Erica Wohldmann  
**Abstract Title: Looking vs Doing: Generating information**
- Poster 28**      **Kadir Galindo, BUILD PODER**  
Undergraduate, Department of Biology  
Faculty Mentor: Kerry Cooper  
**Abstract Title: The genomics of Shiga Toxin-producing Escherichia coli (STEC) O91:H21**
- Poster 29**      **Marissa Garcia & Karen Alvarez, BUILD PODER**  
Undergraduate, Department of Psychology  
Faculty Mentor: Alyssa Arentoft  
**Abstract Title: Quality of healthcare is associated with antiretroviral neuropsychology outcomes in HIV + adults**
- Poster 30**      **Natalie Gardetto**  
Undergraduate, Department of Anthropology  
Faculty Mentor: Sabina Magliocco  
**Abstract Title: Looking for the Magic**
- Poster 31**      **Daisy Gonzalez, BUILD PODER**  
Undergraduate, Department of Communication Disorders and Sciences  
Faculty Mentor: Ana Sanchez-Munoz  
**Abstract Title: Language as a stress coping mechanism: The case of dialect contact in Los Angeles**
- Poster 32**      **Elizabeth Gordian**  
Undergraduate, Department of Environmental and Occupational Health  
Faculty Mentor: Nola Kennedy  
**Abstract Title: Sediment Augmentation on Southern California Coastal Wetland**

- Poster 33**      **Eyesys Gregory & Samira Moughrabi, BUILD PODER**  
Undergraduate, Department of Sociology  
Faculty Mentor: Samira Moughrabi  
**Abstract Title: Medical treatment adherence in minorities**
- Poster 34**      **Coralía Guandique, BUILD PODER**  
Undergraduate, Department of Anthropology  
Faculty Mentor: Zeynep Toker  
**Abstract Title: Physical activity in Latinas' daily routines: the role of culture, gender identity, and neighborhood characteristics**
- Poster 35**      **Ohannes Guerbidjian, BUILD PODER**  
Undergraduate, Department of Biology  
Faculty Mentor: Kerry Cooper  
**Abstract Title: Whole genome sequencing analysis reveals diversity among identically subtyped Salmonella Typhimurium strains from different spatial and temporal sources**
- Poster 36**      **Jessica Herrera & Marina Nahkla**  
Undergraduate, Department of Psychology  
Faculty Mentor: Jill Razani  
**Abstract Title: Executive Functioning in Alzheimer's disease and Mild Cognitive Impairment Compared to Normal Control**
- Poster 37**      **Aleena Hussain**  
Undergraduate, Department of Biology  
Faculty Mentor: Nola Kennedy  
**Abstract Title: Bisphenols impact on reproductive aging.**
- Poster 38**      **Kyung (Esther) Hwang**  
Graduate, Department of Psychology  
Faculty Mentor: Holli Tonyan  
**Abstract Title: Financial well-being and the perception of job control among family child care providers**
- Poster 39**      **William Jackson**  
Undergraduate, Department of Biology  
Faculty Mentor: Cristian Ruiz Rueda  
**Abstract Title: The Role of the SOS Response in the Formation of Persisters**
- Poster 40**      **Erin Jaco**  
Graduate, Department of Biology  
Faculty Mentor: Mark Steele  
**Abstract Title: Species-specific responses to protection in Marine Protected Areas measured with stereo-video**

- Poster 41**      **Gabriela Jimenez, BUILD PODER**  
Undergraduate, Department of Psychology  
Faculty Mentor: Shu-Sha Angie Guan  
**Abstract Title: The Role of Personality in Social Support and Mental Well-Being Among Young Adults From Diverse Backgrounds**
- Poster 42**      **Marzieh Karimi**  
Graduate, Department of Art  
Faculty Mentor: Lesley Krane  
**Abstract Title: Here Is Not Here**
- Poster 43**      **Rachel Larson**  
Graduate, Department of Biology  
Faculty Mentor: Tim Karels  
**Abstract Title: Urbanization and its Effects on Resource Use of Coyotes (Canis latrans) in Southern California**
- Poster 44**      **John Lawrence**  
Graduate, Department of Anthropology  
Faculty Mentor: Cathy Costin  
**Abstract Title: Petrographic Analysis of Household Wares at La Blanca, Guatemala**
- Poster 45**      **Nicolas Lopez**  
Undergraduate, Department of Biology  
Faculty Mentor: Kerry Cooper  
**Abstract Title: Prevalence of foodborne pathogens on fresh produce in the San Fernando Valley, California**
- Poster 46**      **Gonzalo Lopez, Kirsten George& Meital Aulker**  
Undergraduate, Department of Kinesiology  
Faculty Mentor: Sean Flanagan  
**Abstract Title: More injuries occur during a landing phase of a jump rather than a take-off phase of a jump.**
- Poster 47**      **Sam Mahdi**  
Undergraduate, Department of Chemistry and Biochemistry  
Faculty Mentor: Karin Crowhurst  
**Abstract Title: The investigation of allostery and dimerization in hRGS7 using NMR techniques**
- Poster 48**      **Christine Manke**  
Graduate, Department of Linguistics  
Faculty Mentor: Terrie Mathis  
**Abstract Title: Paralinguistics in SMS Text Messaging: A Corpus Study**

- Poster 49**      **Yanelliz Melchor Martinez, BUILD PODER**  
Undergraduate, Department of Psychology  
Faculty Mentor: Abraham M. Rutchick  
**Abstract Title: Psychological Distance, Construal Level & Decisions About Assisted Suicide**
- Poster 50**      **Yaquelin Morales**  
Undergraduate, Department of Sociology & Urban Planning  
Faculty Mentor: Kenya Covington  
**Abstract Title: Economic coping and overall health**
- Poster 51**      **Joshua Neilson**  
Graduate, Department of Physics and Astronomy  
Faculty Mentor: Li Gao  
**Abstract Title: Synthesis of Nitrogen-Doped Graphene on Copper from Azafullerene**
- Poster 52**      **Arnelle Nketiah, BUILD PODER**  
Undergraduate, Department of Biology  
Faculty Mentor: Maria de Bellard  
**Abstract Title: Role of Slit/Robo signaling in Contact Inhibition Locomotion of neural crest cells.**
- Poster 53**      **Nicole Ocfemia**  
Undergraduate, Department of Biology  
Faculty Mentor: Gilberto Flores  
**Abstract Title: Feeding off the Dead: How Necromenic Nematodes Acquire their Bacterial Symbionts**
- Poster 54**      **Carina Ortega, BUILD PODER**  
Undergraduate, Department of Biology  
Faculty Mentor: Rheem Medh  
**Abstract Title: BV6, an IAP antagonist, potentiates glucocorticoids-evoked apoptosis of CEM human leukemia cells.**
- Poster 55**      **Jordy Penagos, BUILD PODER**  
Undergraduate, Department of Psychology  
Faculty Mentor: Holli Tonyan  
**Abstract Title: All in the Family? Do Husbands support their wives in home child care over time?**
- Poster 56**      **Lansing Perng**  
Graduate, Department of Biology  
Faculty Mentor: Robert Carpenter  
**Abstract Title: Effect of canopy forming macroalga, *Sargassum pacificum*, on crustose coralline, *Lithophyllum kotschyannum*, under conditions of ocean acidification**

- Poster 57**      **Karen Ramos & Linda Youkhana**  
Undergraduate, Department of Biology  
Faculty Mentor: Cristian Ruiz Rueda  
**Abstract Title: Deletion of the AcrAB-TolC Multidrug Efflux Pump Leads to Accumulation of Tricarboxylic Acid Cycle Intermediaries in Escherichia coli**
- Poster 58**      **Michele Ramos Correa, BUILD PODER**  
Undergraduate, Department of Chemistry and Biochemistry  
Faculty Mentor: Jheem Medh  
**Abstract Title: Comparing Expression of Genes Involved in Carbohydrate Metabolism in Wild-Type and LPL-Knock-Down Muscle Cells**
- Poster 59**      **Katie Rawson**  
Graduate, Department of Family and Consumer Sciences  
Faculty Mentor: Elizabeth Sussman  
**Abstract Title: Vitamin K is Vital for Newborn Health**
- Poster 60**      **Harvey Reyna, Dillion Lopez, Gabriela Ramirez & Miriam Sayes**  
Undergraduate, Department of Biology  
Faculty Mentor: Virginia Vandergon  
**Abstract Title: Pathway evolution: Linking the evolutionary histories of structural and regulatory genes involved in flower color**
- Poster 61**      **Brian Rios & Kyle Geary, BUILD PODER**  
Undergraduate, Department of Kinesiology  
Faculty Mentor: Teri Todd  
**Abstract Title: IFIT: Improving Physical Activity and Fitness among Adolescents with ASD**
- Poster 62**      **Cache Robinson, BUILD PODER**  
Undergraduate, Department of Chemistry and Biochemistry  
Faculty Mentor: Jheem Medh  
**Abstract Title: A role for lipoprotein lipase in regulation of Insulin signaling.**
- Poster 63**      **Alexa Rocha**  
Undergraduate, Department of Biology  
Faculty Mentor: Sean Murray  
**Abstract Title: Three transcription factors regulate the accumulation of a dynamically-localizing polyester in *Caulobacter crescentus***
- Poster 64**      **Amanda Rowen**  
Graduate, Department of Physics and Astronomy  
Faculty Mentor: Wladimir Lyra  
**Abstract Title: Ice Mantle Convection on Europa**

- Poster 65**      **Briana Samayoa & Maria Nicole Ocfemia**  
Undergraduate, Department of Biology  
Faculty Mentor: Ray Hong  
**Abstract Title: Do adult and larvae beetles differ in their microbiome?**
- Poster 66**      **Bryan Sanchez, BUILD PODER**  
Undergraduate, Department of Biology  
Faculty Mentor: Kerry Cooper  
**Abstract Title: Quantification of antibiotic resistant bacteria from ready-to-eat foods**
- Poster 67**      **Elizabeth Sanchez-Leon, Jessie Bridgewater, Sarai Aguirre, Angeles Small, Judith Rodriquez, Miguel Rodriquez & JoAnn Torres, BUILD PODER**  
Undergraduate, Department of Biology  
Faculty Mentor: Rheem D. Medh  
**Abstract Title: Bridging Academic-Community Partnerships to Reduce Mental Health Disparities in the Latino/a Population: Logrando Bienestar**
- Poster 68**      **Evelyn Sanchez Hernandez**  
Undergraduate, Department of Biology  
Faculty Mentor: Rheem D. Medh  
**Abstract Title: Regulation of key pro- and anti-apoptotic genes involved in glucocorticoid-evoked apoptosis of human leukemic CEM cells**
- Poster 69**      **Briana Scott, BUILD PODER**  
Undergraduate, Department of Health Sciences  
Faculty Mentor: Boris Ricks  
**Abstract Title: Does response matter?**
- Poster 70**      **Paulo Sitagata & Mayumi Wagatsuma, BUILD PODER**  
Undergraduate, Department of Kinesiology  
Faculty Mentor: Taeyou Jung  
**Abstract Title: Muscular strength affects on functional balance of people post-stroke**
- Poster 71**      **Christian Sotelo & Beneil Eisavi, BUILD PODER**  
Undergraduate, Department of Manufacturing Systems Engineering and Management  
Faculty Mentor: Bingbing Li  
**Abstract Title: Customized Orthodontic Brackets Created by Selective Laser Melting Process for Orthodontic Treatment**
- Poster 72**      **Brian Tulloh**  
Undergraduate, Department of Biology  
Faculty Mentor: Cindy Malone  
**Abstract Title: Optimizing the Corrective Donor Construct for CRISPR/Cas9 Mediated Site-Specific Gene Modification of CD40 Ligand**

**Poster 73**

**Victoria Villagoomez, BUILD PODER**

Undergraduate, Department of Health Sciences

Faculty Mentor: Vicki Ebin

**Abstract Title: First Year of Nutritional Independence**

**Afternoon Poster Session**  
*USU Northridge Center 1:00 PM- 2:30 PM*

- Poster 1**      **Eric Anderson**  
Graduate, Department of Health Sciences  
Faculty Mentor: Suzanne Spear  
**Abstract Title: “Beat the Quake”: Earthquake Readiness**
- Poster 2**      **Calvin Apodaca, BUILD PODER**  
Undergraduate, Department of Biology  
Faculty Mentor: Mariano Loza Coll  
**Abstract Title: Development of a Bioinformatic Analysis Program to Visualize Genomic Interactions From Public Datasets**
- Poster 3**      **Ivymarie Aranas, BUILD PODER**  
Undergraduate, Department of Biology  
Faculty Mentor: Rheem Medh  
**Abstract Title: Effects of Paclitaxel on Glucocorticoid-induced apoptosis of Human Leukemic CEM Cells**
- Poster 4**      **Madeline Awad, Rebecca B. Esquenazi & Daniel Larranaga**  
Undergraduate, Department of Psychology  
Faculty Mentor: Stefanie Drew  
**Abstract Title: Keeping an Eye on It: Observing Accuracy of Self-Reported Re-Reading Rates**
- Poster 5**      **Camille Buenviaje & Laura Martinez**  
Graduate, Department of Social Work  
Faculty Mentor: Alejandra Acuna  
**Abstract Title: When Social Workers Get Tired: How Compassion Fatigue Manifests Among Social Workers Working with Adults Versus Social Workers Working with Minors**
- Poster 6**      **Luisa Buritica**  
Graduate, Department of Geological Science  
Faculty Mentor: Joshua Schwartz  
**Abstract Title: Linking magma transport and deformation in the lower and middle crust of a cretaceous arc, Fiordland, New Zealand, using U-Pb geochronology in zircon and thermochronology in titanite**
- Poster 7**      **Patricia Cabral, BUILD PODER**  
Undergraduate, Department of Psychology  
Faculty Mentor: Omar Ruvalcaba  
**Abstract Title: Cultural Variation in Latina and White-American Women's Help-Seeking in University Contexts**



- Poster 8**      **Chelsea Callicoatte & Angela Rasiah**  
Undergraduate, Department of Biology  
Faculty Mentor: Randy Cohen  
**Abstract Title: Effectiveness of Streptozotocin to elicit Type 1 Diabetes in a rat model**
- Poster 9**      **Jamie Carrafa**  
Graduate, Department of Biology  
Faculty Mentor: David Bermudes  
**Abstract Title: Characterization of Bacteria-Secreted Chimeric Protease Inhibitors**
- Poster 10**     **Areli Castrejon**  
Undergraduate, Department of Physics and Astronomy  
Faculty Mentor: Wladimir Lyra  
**Abstract Title: The photoelectric instability in debris disks: planets or just gas?**
- Poster 11**     **Sarah Chavez**  
Graduate, Department of Psychology  
Faculty Mentor: Jonathan Martinez  
**Abstract Title: Perceived parental monitoring, substance use, and neighborhood risks in relation to delinquent behavior in Latino adolescents**
- Poster 12**     **Anna Cho, BUILD PODER**  
Undergraduate, Department of Child and Adolescent Development  
Faculty Mentor: Shu-Sha Angie Guan  
**Abstract Title: Social support and stigma surrounding disability among young adults from diverse backgrounds**
- Poster 13**     **Bryan Christian & Kim Madhwani**  
Graduate, Department of Chemistry and Biochemistry  
Faculty Mentor: Jheem Medh  
**Abstract Title: Lipoprotein lipase (LPL) and Peroxisome proliferator activated receptors (PPAR) mutually regulate each other in THP-1 Macrophages**
- Poster 14**     **Da Chun**  
Graduate, Department of Family and Consumer Sciences  
Faculty Mentor: Elizabeth Sussman  
**Abstract Title: Effectiveness of the Patient Assistance Nutritional Supplementation Program in Dialysis Patients in Arizona**
- Poster 15**     **LaFrance Daniels Jr**  
Graduate, Department of Biology  
Faculty Mentor: Cindy Malone  
**Abstract Title: Comparing Expression of Protein Markers in Small Cell Lung Cancer Cell Lines Cultured in 2D Versus 3D Cancer Organoid System**

- Poster 16**      **Daniel Del Cid, Robert Mosher, Jennifer Mier, Nicole Urenda**  
Undergraduate, Department of Psychology  
Faculty Mentor: Stefanie Drew  
**Abstract Title: Visual Discomfort Symptoms among Hispanic/Latino(a) college students**
- Poster 17**      **Johnny Diaz & Valeriya Tsoy, BUILD PODER**  
Undergraduate, Department of Biology  
Faculty Mentor: Mariano Loza-Coll  
**Abstract Title: Using thermal shocks as a model of chronic stress in the fruit fly *Drosophila melanogaster***
- Poster 18**      **Michelle Eshaghian**  
Undergraduate, Department of Health Sciences  
Faculty Mentor: Cristian Ruiz-Rueda  
**Abstract Title: Prevalence of Carbapenem-Resistant Enterobacteriaceae in Water from Woodley Lake**
- Poster 19**      **Rebecca Esquenazi & Daniel Larranaga**  
Graduate, Department of Psychology  
Faculty Mentor: Stefanie Drew  
**Abstract Title: Synesthetes Produce Different Language in Creative Writing Tasks**
- Poster 20**      **Tanya Estrada Gomez, BUILD PODER**  
Undergraduate, Department of Biology  
Faculty Mentor: Cristian Ruiz Rueda  
**Abstract Title: Contamination by Carbapenem-Resistant Bacteria in the Public Transportation System in the San Fernando Valley**
- Poster 21**      **Soraya Fallah**  
Graduate, Department of Educational Leadership and Policies Studies  
Faculty Mentor: Wendy Murawski  
**Abstract Title: Experiences of Middle Eastern, North African, and Southwest Asian (MENASWA) Families of Children with Disabilities in the United States Special Education System**
- Poster 22**      **Erik Fausto**  
Undergraduate, Department of Biology  
Faculty Mentor: Cindy Malone  
**Abstract Title: Cloning TMED5 to pGL3-Basic**
- Poster 23**      **Stacey Gallegos**  
Undergraduate, Department of Biology  
Faculty Mentor: Cindy Malone  
**Abstract Title: Cloning of rad51Ap1**

- Poster 24**      **Taravat Gorji, Madeline Awad, Jasmine F Awad, & Daniel Larranaga**  
Undergraduate, Department of Psychology  
Faculty Mentor: Stefanie Drew  
**Abstract Title: Keeping Things in Focus: Changes in Visual Accommodation over Reading Tasks**
- Poster 25**      **Selena Gutierrez, BUILD PODER**  
Undergraduate, Department of Sociology  
Faculty Mentor: Dezzie Prewitt  
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- Poster 26**      **Andrea Haberkern**  
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Faculty Mentor: David Gray  
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Graduate, Department of Psychology  
Faculty Mentor: Stefanie Drew  
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Graduate, Department of Chemistry and Biochemistry  
Faculty Mentor: Jheem Medh  
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- Poster 29**      **Eunju Kim**  
Graduate, Department of Family & Consumer Science  
Faculty Mentor: Jongeun Kim  
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- Poster 30**      **Cherry Lai**  
Graduate, Department of Sociology  
Faculty Mentor: Roya Mavaddat  
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- Poster 31**      **Gavin Long**  
Graduate, Department of Biology  
Faculty Mentor: Cindy Malone  
**Abstract Title: FANCI Gene**

- Poster 32**      **Sara Lundqvist**  
Undergraduate, Department of Psychology  
Faculty Mentor: Stefanie A. Drew  
**Abstract Title: CISS and VDS Scores Predicting Blink Rate**
- Poster 33**      **Alejandro Macias, BUILD PODER**  
Undergraduate, Department of Biology  
Faculty Mentor: Rheem Medh  
**Abstract Title: Effect of Dexamethasone and Paclitaxel on Breast Cancer Cell Lines**
- Poster 34**      **Lewis Marquez , BUILD PODER**  
Undergraduate, Department of Chemistry and Biochemistry  
Faculty Mentor: Taeboem Oh  
**Abstract Title: A novel approach to producing a new class of biologically active compounds.**
- Poster 35**      **Claudia Mendoza & Priscilla Salcedo, BUILD PODER**  
Undergraduate, Department of Biology  
Faculty Mentor: Gilberto Flores  
**Abstract Title: Isolating mucin-degrading bacteria from the human gut microbiome**
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Graduate, Department of Psychology  
Faculty Mentor: Jill Quilici  
**Abstract Title: Effects of Imagery Task, Food Given, and Gender on Food Consumption**
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Undergraduate, Department of Psychology  
Faculty Mentor: Tara Fahmie  
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- Poster 38**      **Fareeha Naz**  
Graduate, Department of Family and Consumer Sciences  
Faculty Mentor: Wei Cao  
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- Poster 39**      **Pedro Negrete, BUILD PODER**  
Undergraduate, Department of Biology  
Faculty Mentor: Cindy Malone  
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- Poster 40**      **Charlie Nettles, BUILD PODER**  
Undergraduate, Department of Psychology  
Faculty Mentor: Justin Kantner  
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Faculty Mentor: Allen Lipscomb  
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Undergraduate, Department of Art  
Faculty Mentor: Joe Bautista  
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- Poster 43**      **Kevin Pinto, BUILD PODER**  
Undergraduate, Department of Biology  
Faculty Mentor: Michael Summers  
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- Poster 44**      **Andrew Powers**  
Graduate, Department of Biology  
Faculty Mentor: Tim Karels  
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- Poster 45**      **Federico Prokopczuk & Nathan Del Rosario, BUILD PODER**  
Undergraduate, Department of Physics and Astronomy  
Faculty Mentor: Sattar Taheri-Araghi  
**Abstract Title: Combination Therapies with Antimicrobial Peptide LL-37 and Conventional Antibiotics**
- Poster 46**      **Kiana Requena, Priya Kumar BUILD PODER**  
Undergraduate, Department of Biology  
Faculty Mentor: Sean Murray  
**Abstract Title: Expression of the Caulobacter crescentus sciP promoter is modulated by gyrase-mediated supercoiling**
- Poster 47**      **Bryan Robinson & Chris Makkar**  
Undergraduate, Department of Biology  
Faculty Mentor: Cheryl Van Buskirk  
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- Poster 48**      **Paul Rodriguez & Daniel Padilla, BUILD PODER**  
Undergraduate, Department of Kinesiology  
Faculty Mentor: Sean Flanagan  
**Abstract Title: Discrete Relative Timing of Joint Power During Vertical Jumping**
- Poster 49**      **Cody Russell**  
Graduate, Department of Biology  
Faculty Mentor: Paula Schiffman  
**Abstract Title: Climate-growth sensitivity of *Pseudotsuga macrocarpa* along an elevational gradient**
- Poster 50**      **Christina Saez & Diana Perez, BUILD PODER**  
Undergraduate, Department of Psychology  
Faculty Mentor: Ellie Kazemi  
**Abstract Title: Teaching Observation and Behavioral Data Collection Skills through Video Training**
- Poster 51**      **Kristi Schattl & Blanca Martinez**  
Graduate, Department of Social Work  
Faculty Mentor: David McCarty-Caplan  
**Abstract Title: The Perceptions of On-Campus Veteran Resources from the Voices of Former Veteran Students**
- Poster 52**      **Alsha Shrestha & Teni Papelian**  
Undergraduate, Department of Biology  
Faculty Mentor: Rheem Medh  
**Abstract Title: Importance of RCAN1 Gene in Apoptosis of Human Leukemia Cells**
- Poster 53**      **Alicia Siravo**  
Graduate, Department of Biology  
Faculty Mentor: Robert Carpenter  
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- Poster 54**      **Jose Sotelo, Cynthia Morales, Edgar Frausto, Lessley Torres, Anna Benitez, & Hedieh Hakakian**  
Graduate, Department of Psychology  
Faculty Mentor: Jill Quilici  
**Abstract Title: Effect of Movement and Imagery on Habituation and Food Consumption**
- Poster 55**      **Katlynn Thompson**  
Graduate, Department of Anthropology  
Faculty Mentor: Cathy Costin  
**Abstract Title: Connecting Threads**

- Poster 56**      **Svetlana Timberlake, BUILD PODER**  
Undergraduate, Department of Psychology  
Faculty Mentor: Jared Ashcroft  
**Abstract Title: Silver Nanoparticles as Antimicrobial Additives to Polymethyl Methacrylate for Improved Oral Health**
- Poster 57**      **Alejandro Torres**  
Undergraduate, Department of Biology  
Faculty Mentor: Cindy Malone  
**Abstract Title: Cloning of the human SF3B3 gene promoter**
- Poster 58**      **Bertha Torres & Ashley Orozco**  
Graduate, Department of Social Work  
Faculty Mentor: Judith DeBonis  
**Abstract Title: Administrative Implementation of Integration Principles in the Los Angeles Health Agency**
- Poster 59**      **Eva Torres & Olya Matevosyan**  
Graduate, Department of Social Work  
Faculty Mentor: Judith DeBonis  
**Abstract Title: Integrating healthcare in the new LA Health Agency: Experiences of frontline staff**
- Poster 60**      **Lessley Torres & Jasmine Moshiri, BUILD PODER**  
Undergraduate, Department of Psychology  
Faculty Mentor: Jill Quilici  
**Abstract Title: The Effects of the Mere Presence of Cell Phones on Multitasking Abilities**
- Poster 61**      **Dillion Toscano & Bianca Rus, BUILD PODER**  
Undergraduate, Department of Psychology  
Ruby Christian-Brougham  
**Abstract Title: Child Attunement and Culture Observations**
- Poster 62**      **Crystal Venegas, BUILD PODER**  
Undergraduate, Department of Psychology  
Faculty Mentor: Justin Kantner  
**Abstract Title: The Relationship Between Subjective Memorability Ratings and Response Bias in Recognition of Paintings**
- Poster 63**      **Gabriela Villarreal, BUILD PODER**  
Undergraduate, Department of Child and Adolescent Development & Communication Disorders and Sciences  
Faculty Mentor: Kandice Grote  
**Abstract Title: Parental Involvement and Early Literacy Development among Spanish-English Bilinguals**

- Poster 64 Elizabeth Vozovoy**  
 Graduate, Department of Biology  
 Faculty Mentor: Gilberto Flores  
**Abstract Title: Linking Community Composition and Function in Microbial Communities from the Carpinteria Salt Marsh**
- Poster 65 Cal Weeks**  
 Graduate, Department of Chemistry and Biochemistry  
 Faculty Mentor, Eric Kelson  
**Abstract Title: Preparation of Terpyridine based anti-tumor agents**
- Poster 66 Victoria Womble & Celida Vasquez, BUILD PODER**  
 Undergraduate, Department of Child and Adolescent Development  
 Faculty Mentor: April Taylor  
**Abstract Title: An Examination Of The Relationship Between Perceptions Of Barriers And Academic Achievement Among Urban African American And Latino Middle School Students**
- Poster 67 Roxxette Lezly Zepeda, BUILD PODER**  
 Undergraduate, Department of Health Sciences  
 Faculty Mentor: Carrie Saetermoe  
**Abstract Title: Breastfeeding in the 1950's**
- Poster 68 Erik Serrano, Breenah Goldberg, Jaime An & Winifred Marien, BUILD PODER**  
 Undergraduate, Department of Biology  
 Faculty Mentor: Pamela Byrd-Williams & Ericka Brockman  
**Abstract Title: The Effects of Essential Oils on Pathogenic Bacteria and Fungus**



## **CAMINO Thesis Talks**

### **Calvin Abbasi**

Graduate, Department of Communicative Disorders

Faculty Mentor: John Kephart

**Abstract Title: Towards a Nonviolent Intersocial Rhetorical Model**

### **Dalal Almutib**

Graduate, Department of Kinesiology

Faculty Mentor: Teri Todd

**Abstract Title: Differences of Motor Skills between College Students with and without Autism Spectrum Disorder using a motion analysis system**

### **Kimberly Arellano**

Graduate, Department of Health Sciences

Faculty Mentor: Vicki Ebin

**Abstract Title: Measuring young adults' health insurance literacy: A pilot study**

### **Evelyn Cubias**

Graduate, Department of Health Sciences

Faculty Mentor: Kaitlin Bahr

**Abstract Title: Optimum Health Specifics**

### **Ameer Dahar**

Graduate, Department of Health Sciences

Faculty Mentor: Suzanne Spear

**Abstract Title: Successful Peer Based Naloxone Distribution Program Practices**

### **Cathy Francisco**

Graduate, Department of Kinesiology

Faculty Mentor: Steven Loy

**Abstract Title: Implementation of Community-Based Exercise Program Across the CSU System: A Specific Approach in Chico and Long Beach**

### **Jaskiran Mangat**

Graduate, Department of Kinesiology

Faculty Mentor: Suzanne Spear

**Abstract Title: Substance Use in Punjab, India and the Need for Screening, Brief Intervention and Referral to Treatment (SBIRT) Programs**

### **Steven Mendoza**

Graduate, Department of Kinesiology

Faculty Mentor: Steven Loy

**Abstract Title: Expansion of a free exercise program across the California State University System**

**Christopher Rogers**

Graduate, Department of Health Sciences

Faculty Mentor: Stephanie Benjamin

**Abstract Title: Perceived health trends and associated health factors reported in a college sample**

**Takehito Sugawara**

Graduate, Department of Kinesiology

Faculty Mentor: Kimberly Henige

**Abstract Title: How does student-centered learning in an exercise physiology course affect students' emotion and scope of attention?**

## **College Liaisons**

<b>Casey terHorst</b>	<i>Department of Biology</i>
<b>Danielle Jarvis</b>	<i>Department of Kinesiology</i>
<b>Debbie Ma</b>	<i>Department of Psychology</i>
<b>Elizabeth Sussman</b>	<i>Department of Family &amp; Consumer Sciences</i>
<b>Matt Jackson</b>	<i>Department of Theatre</i>
<b>Melisa Galvan</b>	<i>Department of Chicana/o Studies</i>
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### **With special thanks to the following:**

**Wendy Brown-Danks**, Events Coordinator

**Hedy Carpenter**, Director of Graduate Programs

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**And the entire Research and Graduate Studies staff**

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*Charlotte Bergheimer*

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*Christina Mayberry*

*Christoph Schaal*

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*Crist Khachikian*

*Cristian Ruiz-Rueda*

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*Daniel Jarvis*

*Daniel Rastein*

*Daniel Tamae*

*David Bermudes*

*David Boyns*

*Debbie Ma*

*Dmitry Rachmanov*

*Elise Fenn*

*Elizabeth Sussman*

*Ellis Godard*

*Fritz Hertel*

*Gilberto Flores*

*James Craine*

*Jeanne Robertson*

*Jeffrey Kaja*

*Jessica Kim*

*Jim Craine*

*Jim Hogue*

*Jing Li*

*Jodi Brown*

*Jonathan Martinez*

*Joy Doan*

*Julian Lozos*

*Justin Kantner*

*Justine Su*

*Kah Chun Lau*

*Kandice Grote*

*Karin Crowhurst*

*Kimberly Embleton*

*Li Gao*

*Linda Reid-Chassiakos*

*Luiz Mendes*

*Maggie Shiffrar*

*Maria Elena De Bellard*

*Mariano Loza Coll*

*Mary-Pat Stein*

*Maryam Tabidzadeh*

*Matthew Jackson*

*Mechelle Best*

*Megha Patel*

*Merril Simon*

*Mia Adreani*

*Michael Carter*

*Michael Summers*

*Mirna Sawyer*

*Nelida Duran*

*Nola Kennedy*

*Omid Orouji*

*Paul Wilson*

*Ravinder Abrol*

*Ray Hong*

*Roxane Moschatti*

*Sattar Taheri-Araghi*

*Sean Murray*

*Shadi Mahjoob*

*Sherrie Hixon*

*Shirley Lang*

*Stefanie Drew*

*Stephanie Benjamin*

*Steve Dudgeon*

*Svetlana Tyutina*

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*Virginia Huynh*  
*Virginia Vandergon*  
*Wei Cao*  
*Wendy Murawski*  
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*Wladimir Lyra*  
*Zeynep Toker*

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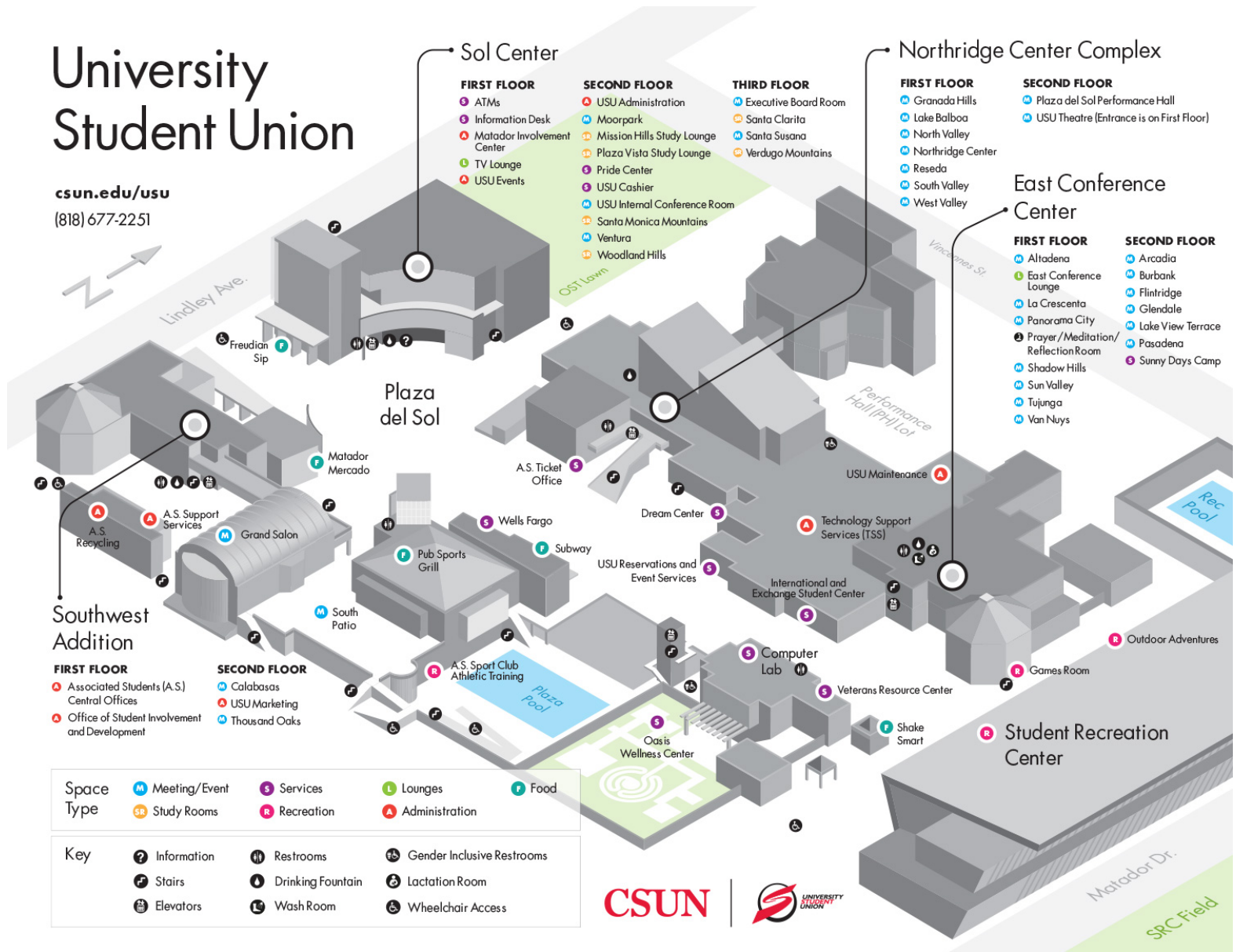
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