

CALIFORNIA STATE UNIVERSITY, NORTHRIDGE



February 13, 2015

Dear Student Participants, Faculty and Staff:

Welcome to the 19th Annual Research & Creative Works Symposium at California State University, Northridge. We are pleased that you could attend today's symposium and experience the impressive depth and variety of research conducted and scholarly works created by our undergraduate and graduate students.

The ability to participate in academic research and creative works is an important component of the educational experience available to students at Cal State Northridge. As the poster and oral presentations at today's symposium demonstrate, our students have dedicated themselves to research and scholarship. Their scholarship addresses fundamental questions in the arts, sciences, and technology.

The university's distinguished faculty is at the heart of the research you see today. They are responsible for supporting and nurturing the rich variety of research and other scholarly opportunities available to students at CSUN. As many of our alumni will tell you, working with their professors prepare them for future success. Taken one example, 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 and Engineering, and Biology.

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 blue ink that reads "Harry Hellenbrand".

Harry Hellenbrand
Provost

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

Crist Khachikian
Associate Vice President



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Symposium Schedule of Events

February 13, 2015

8:00 Registration* **USU Northridge Center**

8:30 Oral Presentations

Session 1	<i>College of Social and Behavioral Sciences</i>	USU Tujunga
Session 2	<i>College of Humanities</i>	USU Thousand Oaks
Session 3	<i>College of Health & Human Development</i>	USU Flintridge
Session 4	<i>College of Arts, Media & Communication</i>	USU Altadena
Session 5	<i>College of Science and Math</i>	USU Van Nuys
Session 6	<i>College of Science and Math</i>	Panorama City

9:00 CAMINO Thesis Talks **USU Plaza Del Sol Theatre**

12:00 Lunch* **USU Northridge Center**

12:00 Poster Presentations **USU Northridge Center**

12:30 Oral Presentations

Session 7	<i>College of Social and Behavioral Sciences</i>	USU Tujunga
Session 8	<i>College of Engineering and Computer Science</i> (Start time: 1:00 pm)	La Crescenta
Session 9	<i>College of Education</i>	USU Flintridge
Session 10	<i>College of Arts, Media & Communication</i>	USU Altadena
Session 11	<i>College of Science and Math</i>	Panorama City
Session 12	<i>College of Science and Math</i>	USU Van Nuys

3:30 Awards Ceremony* **USU Grand Salon**

**Refreshments will be served*

Faculty Mentor List

Anthropology	Michael Love, Sabina Magliocco
Art	Christian Tedeschi, Michelle Rozic, Patsy Cox, Samantha Fields, Owen Doonan, Laurel Long
Asian American Studies	Tracy Buenavista
Biology	Karin Crowhurst, Cindy Malone, Casey terHorst, Cheryl Van Buskirk, David Bermudes, Fritz Hertel, Gilberto Flores, Janet Kubler, Jeanne Robertson, Jonathan Kelber, Larry Allen, Larry Baresi, Mark Steele, Mary-Patricia Stein, Michael Summers, Paul Wilson, Paula Schiffman, Peter Edmunds, Rachel Mackelprang, Randy Cohen, Ray Hong, Rheem Medh, Robert Carpenter, Robert Espinoza, Steve Dudgeon, Steven Oppenheimer, Tim Karels, Maria Elena de Bellard, Lorenzo Del Castillo
Chemistry & Biochemistry	Karin Crowhurst, Jheem Medh, Thomas Minehan
Chicana/o Studies	Yreina Cervantez, Alicia Estrada, Ana Sanchez-Munoz
Communication Sciences & Disorders	Karen Kochis-Jennings
Computer Science	Ani Nahapetian, Jeff Wiegley
Electrical & Computer Engineering	Benjamin Mallard
Education Leadership & Policy Studies	Dimpal Jain, William De La Torre
Engineering	Vibhav Durgesh
English	Irene Clark, Kent Baxter, Lelani Hall
Family & Consumer Sciences	Anubati Thakur, Elizabeth Sussman
Geography	Ed Jackiewicz
Geology	Richard Heermance, Joshua Schwartz
Health Sciences	Sloane Burke
History	Patricia Juarez-Dappe
Journalism	Melissa Wall
Kinesiology	Ovande Furtado, Steven Loy, Taeyou Jung, Teri Todd, Victoria Jaque, Mai Narasaki-Jara
Linguistics	Cynthia Hagstrom, Sabrina Peck
Management	Richard Moore
Mathematics	Rabia Djellouli
Mechanical Engineering	Abhijit Mukherjee
Music	Jerry Luedders, Julia Heinen, Liviu Marinescu, Diane Ketchie, Andrew Surmani
Physical Therapy	Janna Beling, Beth Phillips
Psychology	Andrew Ainsworth, Bradley McAuliff, Erica Wohldmann, Mark Otten, Scott Plunkett, Stefanie Drew, Tara Fahmie, Que-Lam Huynh
Secondary Education	Brian Foley
Social Work	Hyun-Sun Park, James Decker, Jodi Brown, Sarah Mountz
Sociology	Jerald Schutte, Lauren McDonald, Moshoula Capous-Desyllas, Vickie Jensen

Symposium Judges

Art	Paula DiMarco, Lesley Krane
Biology	Mia Adreani, Chhandak Basu, David Bermudes, Chris Chabot, Kerry Cooper, Maria Elena De Bellard, Peter Edmunds, Gilberto Flores, Fritz Hertel, Jim Hogue, Ray Hong, Jonathan Kelber, Janet Kubler, Rachel Mackelprang, Jeanne Robertson Paula Schiffman, Casey terHorst, Cheryl Van Buskirk, Virginia Vandergon, Dawn Vaughn, Maria Elena Zavala
Chemistry & Biochemistry	Karin Crowhurst, Paula Fischhaber, Yann Schrodi, Jessica Vey
Chicana/o Studies	Martha Escobar, Juana Mora
Child & Adolescent Development	Virginia Huynh
College of AMC	Dan Hosken
College of Science & Mathematics	Jerry Stinner
Educ. Psychology & Counseling	Jessica Chen
Engineering & Computer Sciences	Robert Ryan
Faculty Affairs	Daisy Lemus, William Whiting
Family & Consumer Sciences	Sandra Chong
Geological Science	Vicki Pedone
Health Sciences	Doris Abrishami, Stephanie Benjamin, Kaitlin O'Keefe, Suzanne Spear
Journalism	Stephanie Bluestein
Kinesiology	Ovande Furtado
Klotz Student Health Center	Linda Chassiakos
Liberal Studies	Ranita Chatterjee
Music	David Sannerud
Oviatt Library	Eric Garcia, Lindsay Hansen, Jamie Johnson, Stephen Kutay, Christina Mayberry, Andrew Weiss
Psychology	Debra Berry Malmberg, Abraham Rutchick
Research and Graduate Studies	Crist Khachikian, Maggie Shiffrar
Social Work	Wendy Ashley
Sociology	Moshoula Capous-Desyllas, Michael Carter

Oral Presentation Session 1 | College of Social and Behavioral Sciences | USU Tujunga
8:30am- 11:00am Sessions

8:30am

Nikki Cox

Graduate, Department of Anthropology

Faculty Mentor: Sabina Magliocco

“Have You Been Stamped Yet?” Group Communication and Bonding in Improvisational Comedy

8:50am

Karleen Ronsairo

Graduate, Department of Anthropology

Faculty Mentor: Michael Love

Postclassic Chen Mul Effigy Censers from the Cochuah Region, Quintana Roo, Mexico

9:10am

Sophia Wiley

Graduate, Department of Anthropology

Faculty Mentor: Sabina Magliocco

Becoming Visible: Oral Histories of Filipino Americans in California

9:30am

Alan Malfavon

Graduate, Department of History

Faculty Mentor: Patricia Juarez-Dappe

Ethnic Via Crucis and the Legacy of Racism: Stereotypes and Inherited Images Attributed to the Mexican Indigenous Peoples

Break 9:50

10:00am

Andrew Marin

Graduate, Department of Psychology

Faculty Mentor: Stefanie Drew

Implicit Associations Between Achromatic Cues and Spatial Attention

10:20am

Christopher Ponce

Undergraduate, Department of Psychology

Faculty Mentor: Erica Wohldmann

Variability of Practice and Transfer of Knowledge of Food Calories

10:40am

Jose Torres

Undergraduate, Department of Sociology & Central American Studies

Faculty Mentor: Vickie Jensen

The Normalization of Violence in the Salvadoran Gang Industry

11:00am

Candice Hansard

Graduate Student, Department of Psychology

Faculty Mentor: Dr. Ellie Kazemi

Video Training for Conducting a Preference Assessment

Oral Presentation Session 2 | College of Humanities | USU Thousand Oaks
8:30am-11:40am

8:30am

Angelica Amezcua

Graduate, Department of Chicana/o Studies

Faculty Mentor: Ana Sanchez-Munoz

Spanish Heritage Language Learners in Chicana/o Studies

8:50am

Martha Martinez

Graduate, Department of Chicana/o Studies

Faculty Mentor: Yreina Cervantez

Women's Artivism Across Culture and Borders

9:10am

Jennifer Victoria

Graduate, Department of Chicana/o Studies

Faculty Mentor: Alicia Estrada

A Zapotec Transnational Perspective: Crossing Social, Cultural, and Regional Borders

9:30am

Melisa Malvin-Middleton

Graduate, Department of English

Faculty Mentor: Lelani Hall and Kent Baxter

"Poetry as Change: Transforming Tragedy"

Break 9:50am

10:00am

Angeline Olliff

Graduate, Department of English

Faculty Mentor: Irene Clark

Encouraging the "Risks of Caring": a Cognitive-Development Approach to Collaborative Learning in FYC Classrooms

10:20am

Lillian Thiemens

Graduate, Department of English

Faculty Mentor: Kent Baxter

Princess Powerful: Subverting Gender Roles through Princess Picture Books

10:40am

Cielito Fernandez and Lorenzo Mutia

Undergraduate, Department of Asian American Studies

Faculty Mentor: Tracy Buenavista and Dr. Clem Lai

Panorama City: A Wide-Angle View on Space, Class, and Race

11:00am

Mary Lanker

Graduate, Department of Linguistics

Faculty Mentor: Sabrina Peck

Language Registers Applied to American Sign Language

11:20am

Mrinalini Watson

Graduate, Department of Linguistics

Faculty Mentor: Cynthia Hagstrom

Mumbai or Bombay - Two Names ... One City

8:30am

Natalie Fleming

Graduate, Department of Kinesiology

Faculty Mentor: Mai Narasaki-Jara

Aquatic Exercise Guidelines for Pregnancy

8:50am

Yumi Kim

Graduate, Department of Kinesiology

Faculty Mentor: Teri Todd

Effects of Taekwondo Intervention on Postural Control in Youth with Autism Spectrum Disorder

9:10am

Robert Stone

Graduate, Department of Kinesiology

Faculty Mentor: Teri Todd

The Effect of a Telehealth Exercise Program on Balance and Mobility in People with Parkinson's Disease

Break 9:30am

9:40am

Mackinsey Woolever

Graduate, Department of Kinesiology

Faculty Mentor: Ovande Furtado

Comparing results from the Test of Gross Motor Development-2 (TGMD-2) to the results of the Furtado-Gallagher Computerized Observational Movement Pattern Assessment System (FG-COMPASS)

10:00am

Michael Burr, Joshua Chambers, and Danny Xiao

Graduate, Department of Physical Therapy

Faculty Mentor: Beth Phillips

Effects of Meditation on Stress Levels of DPT students

10:20am

Shandiz Kamrava, Thomas Morse, Ellen Kromnick, and Eric Bartolo

Graduate, Department of Physical Therapy

Faculty Mentor: Janna Beling

Use of a Mechanically Passive Rehabilitation Device as a Training Tool in Vietnam: Impact on Upper Extremity Hemiparesis after Stroke

8:30am

Cairon Armstrong

Graduate, Department of Music

Faculty Mentor: Andrew Surmani

The Impact of Streaming on the Music Industry

8:50am

Candis Badgley

Graduate, Department of Music

Faculty Mentor: Julia Heinen

Cubism and the Clarinet: The Clarinet's Role in Igor Stravinsky's Histoire du Soldat

9:10am

Gabriel Botsford

Graduate, Department of Music

Faculty Mentor: Jerry Luedders

The relevance of extended techniques for the saxophone to society as a whole

9:30am

Lihui Li

Graduate, Department of Music

Faculty Mentor: Liviu Marinescu

New sounds of contemporary music

9:50am

Jaclyn Urban

Graduate, Department of Music

Faculty Mentor: Diane Ketchie and Karen Kochis-Jennings

The Soprano: A scientific study and vocal performance

8:30am

Stephanie Benseman

Graduate, Department of Biology

Faculty Mentor: Larry Allen

Distribution and Growth Estimates of Young-of-the-year Giant Sea Bass, *Stereolepis Gigas*, Off Southern California

8:50am

Brian Clark

Graduate, Department of Biology

Faculty Mentor: Larry Allen

Reproductive behavior of giant sea bass, *Stereolepis gigas*

9:10am

Nicolas Evensen

Graduate, Department of Biology

Faculty Mentor: Peter Edmunds

The effects of ocean acidification on competitive interactions among corals in a simulated coral community

9:30am

Samuel Ginther

Graduate, Department of Biology

Faculty Mentor: Mark Steele

The effects of an invasive alga, *Sargassum horneri*, on kelp forest fishes at Santa Catalina Island, California

9:50am

Maureen Ho

Graduate, Department of Biology

Faculty Mentor: Robert Carpenter

Differential growth responses to water flow and lowered pH in marine macroalgae

Break 10:10am

10:20am

Carolina Mor

Graduate, Department of Biology

Faculty Mentor: Robert Carpenter

Light Intensity Influences the Response of *Halimeda Macroloba* to Ocean Acidification

10:40am

Leah Reidenbach

Graduate, Department of Biology

Faculty Mentor: Janet Kubler

Using the Michaelis-Menten equation to determine the nutrient kinetics of *Solieria filiformis*

11:00am

Jennifer Smolenski

Graduate, Department of Biology

Faculty Mentor: Peter Edmunds

The effect of temperature on the calcification of *Porites rus* does not explain the distribution of its color morphotypes

11:20am

Alexandre Yarid

Graduate, Department of Biology

Faculty Mentor: Peter Edmunds

Effects of Ocean Acidification on the Response of Massive *Porites* spp. to Damage

8:30am

Courtney Button

Undergraduate, Department of Biology

Faculty Mentor: Janet Kubler

Do Sea Hares Improve Seaweed Growth?

8:50am

Lorenzo Del Castillo

Undergraduate, Department of Biology

Faculty Mentor: Cindy Malone

Understanding the Role of BMPs in Dorsal Interneuron Specification

9:10am

Matthew Dickson

Undergraduate, Department of Biology

Faculty Mentor: Robert Espinoza

Adapting to the neighborhood: How well do recently introduced populations of Mediterranean House Gecko fit their new niches?

9:30am

Mohammad Ehsani-nia

Undergraduate, Department of Biology

Faculty Mentor: Cindy Malone

Hematopoietic Stem Cell Gene Therapy and Selection Strategy Against HIV

9:50am Break

10:00am

Girar Kolakian

Undergraduate, Department of Biology

Faculty Mentor: Cindy Malone

Investigating the Metabolic Regulation of Human Pluripotent Stem Cell Differentiation

10:20am

Carli Opland

Undergraduate, Department of Biology

Faculty Mentor: Cindy Malone

Advancement of neural stem cell-derived culture maturity by the addition of chemical compounds

10:40am

Benjamin Trammell

Undergraduate, Department of Biology

Faculty Mentor: Cindy Malone

The Function of KDM6B on DPSC Potency and Alcohol-induced Osteoporosis

Oral Presentation Session 7 | College of Social and Behavioral Sciences | USU Tujunga
12:30pm-3:00pm

<p>12:30pm Monica Aquino Graduate, Department of Social Work Faculty Mentor: Jodi Brown Exploring Knowledge and Behavior: Financial Therapy Group</p>
<p>12:50pm Lindsey Araiza and Michael Strauss Graduate, Department of Social Work Faculty Mentor: James Decker Qualitative Study on Young Adult's Perception of Marriage and the Relationship Between Family of Origin and Current Beliefs</p>
<p>1:10pm Caitlin Eubanks Graduate, Department of Social Work Faculty Mentor: Jodi Brown The Effects of Yoga on Quality of Life, Anxiety, and PTSD for Low-Income Mentally Ill Adults</p>
<p>1:30pm Doretha Patton Graduate, Department of Social Work Faculty Mentor: Jodi Brown The Relationship Between Compassion Fatigue and Social Support Among D.C.F.S. Human Services Aides</p>
<p style="text-align: center;">Break 1:50pm</p>
<p>2:00pm Samantha Seegull Graduate, Department of Social Work Faculty Mentor: Hyun Sun Park Outcomes of adult children raised by kin caregivers who were members of Grandparents As Parents</p>
<p>2:20pm Elizabeth Bogumil Graduate, Department of Sociology Faculty Mentor: Moshoula Capous-Desyllas For Time & Eternity: Mormon Mommy Bloggers and the Creation of Family History through Storytelling</p>
<p>2:40pm Karen Sabbah Graduate, Department of Sociology Faculty Mentor: Lauren McDonald Dare to Derby: A Story of the Discovery of Empowerment through Derby and Community</p>

1:00pm

Dina Najeeb

Graduate, Department of Computer Science

Faculty Mentor: Ani Nahapetian

2C Vision Game: Visual Acuity Self-Testing Using Mobile Devices

1:20pm

Brian Zambri

Graduate, Department of Mathematics

Faculty Mentor: Rabia Djellouli

Efficient Solution Methodology for Calibrating the Hemodynamic Model Using functional Magnetic Resonance Imaging (fMRI) Measurements

1:40pm

Arman Khalighi and Matt Blomquist

Graduate, Department of Mechanical Engineering

Faculty Mentor: Abhijit Mukherjee

Numerical Simulation of Bubble Growth during Nanofluid Flow Boiling in a Micro/Minichannel

Oral Presentation Session 9 | College of Education | USU Flintridge
12:30pm-2:10pm

12:30pm

Neena Agnihotri

Doctoral, Department of Education Leadership & Policy Studies

Faculty Mentor: Dimpal Jain

College access: First generation college counselors of color and first generation students of color

12:50pm

Kelly Castillo

Doctoral, Department of Education Leadership & Policy Studies

Faculty Mentor: Brian Foley

The Impact of Professional Development on Teachers' Perceptions and Practices Regarding Inquiry-Based Science

1:10pm

Anarosa Estevez

Doctoral, Department of Education Leadership & Policy Studies

Faculty Mentor: Richard Moore

The Effect of Performance Based Pay on Teacher Motivation and Student Outcomes

1:30pm

Linda Jones

Doctoral, Department of Education Leadership & Policy Studies

Faculty Mentor: William DeLaTorre

School Board Governance With Equity in Mind: A Case Study Exploring the Impact of Color-Blindness in Educating Black Children in a PK-8 School District

1:50pm

Christopher Lawrence

Graduate, Sociology

Faculty Mentor: Jerald Schutte

"The Social Origins of Motivation in College Progress and Performance."

12:30pm

Gloria Blume

Graduate, Department of Art

Faculty Mentor: Owen Doonan

Woman Patrons of Artistic Expression in Ancient Rome

12:50pm

Philip Koscak

Graduate, Department of Art

Faculty Mentor: Samantha Fields

There's Always Tomorrow

1:10pm

Jesse Ickler

Graduate, Department of Journalism

Faculty Mentor: Melissa Wall

Left Out: Beyond the Two-Party System

1:30pm

David Stamps

Graduate, Department of Journalism

Faculty Mentor: Melissa Wall

Technology and Children: Comparing media coverage and exploring the hype and fear factor of children using tablets.

1:50pm

Changyue Xie

Graduate, Department of Journalism

Faculty Mentor: Melissa Wall

East Meets East ~ A Chinese restaurant in the Little Tokyo ~ A video documentary

12:30pm

Cassidy Adlof

Graduate, Department of Biology

Faculty Mentor: Paula Schiffman

Does harvest method impact White Sage (*Salvia apiana*) as a cultural resource in Southern California?

12:50pm

Marjan Akopyan

Graduate, Department of Biology

Faculty Mentor: Jeanne Robertson

How to mate a model in 10 minutes: Evolution of female mating signals in a tropical frog

1:10pm

Sean Dunagan

Graduate, Department of Biology

Faculty Mentor: Tim Karels

Prey abundance and habitat occupancy of bobcats in an urban fragmented landscape

1:30pm

Erica Holdridge

Graduate, Department of Biology

Faculty Mentor: Casey ter Horst

Effects of global change on the eco-evolutionary dynamics of species in carnivorous plant inquiline communities

Break 1:50pm

2:00pm

Leah Jacobs

Graduate, Department of Biology

Faculty Mentor: Jeanne Robertson

Female mate choice in divergent populations of red-eyed treefrogs

2:20pm

Gillian Larson

Graduate, Department of Biology

Faculty Mentor: Robert Espinoza

Climatic Adaptation of an Invasive Gecko: Rapid Adaptive Evolution or Developmental Plasticity?

Oral Presentation Session 12 | College of Science and Math | USU Van Nuys
12:30pm-3:00pm

12:30pm

Megan Agajanian

Graduate, Department of Biology

Faculty Mentor: Jonathan Kelber

PEAK1 kinase controls TGFbeta response in breast cancer

12:50pm

Jessie Buth

Graduate, Department of Biology

Faculty Mentor: Cindy Malone

Cerebral Organoid Culture as a Model System For Neurodevelopment: Insight into Foxp4 Function

1:10pm

Loni Hands

Graduate, Department of Biology

Faculty Mentor: Cindy Malone

Promoter Isolation and Characterization of the Mantle Cell Lymphoma Associated Gene NAP1L1

1:30pm

Kurando Honjo

Graduate, Department of Biology

Faculty Mentor: Randy Cohen

Restorative properties of undifferentiated human stem cells in the putamen following 6-OHDA lesioning of the substantia nigra in the RNU rat, a model of Parkinson's disease

Break 1:50pm

2:00pm

Richard Mansfield

Graduate, Department of Biology

Faculty Mentor: Cheryl Van Buskirk

Heat-induced sleep in *C. elegans* depends on a thermosensory circuit

2:20pm

Darren Sarte

Graduate, Department of Biology

Faculty Mentor: Cindy Malone

Differentiating Neural Stem Cells into Neurons to graft into Spinal Cord Injury

2:40pm

Shahab Younesi

Graduate, Department of Biology

Faculty Mentor: Cindy Malone

Using Synthetic RNA to Produce Skeletal Muscle Progenitors from Human Induced-Pluripotent Stem Cells

Oral Presentation | CAMINO THESIS TALKS | USU PLAZA DEL SOL THEATRE
9:00am-12:00pm

Christopher Balam

Graduate, Kinesiology

Faculty Mentor: Steven Loy

An Approach to a Progressive and Standardized Exercise Curriculum for a Free Community-Based Fitness Program for High-fit Individuals

Amanda Blake

Graduate, Family and Consumer Sciences

Faculty Mentor: Elizabeth Sussman

Effect of Selenium and Vitamin C Supplementation on Antioxidant Status and Quality of Life in Hemodialysis Patients

Brittney Barfield

Graduate, Kinesiology

Faculty Mentor: Steven Loy

An Approach to a Progressive and Standardized Exercise Curriculum for a Free Community-Based Fitness Program for Moderately-fit Individuals

Marisol Diaz

Graduate, Kinesiology

Faculty Mentor: Steven Loy

100 Citizens CSU Expansion

Elizabeth Garcia

Graduate, Kinesiology

Faculty Mentor: Teri Todd

The Effects of a Telehealth Exercise Program on Self-efficacy and Adherence in Individuals with Parkinson's Disease

Caroline Hebron

Graduate, Health Sciences

Faculty Mentor: Sloane Burke

Knowledge and Attitudes towards Hereditary Inclusion Body Myopathy and Genetic Carrier Screening

Ileana Hurtado

Graduate, Kinesiology

Faculty Mentor: Taeyou Jung

Comparing the Influence of Visual Feedback on Gait Outcomes in People Post-Stroke

Allison Lange

Graduate, Kinesiology

Faculty Mentor: Taeyou Jung

Effects of Aquatic Exercise on Gait and Strength Outcomes in Individuals With Multiple Sclerosis

Jae Lim

Graduate, Kinesiology

Faculty Mentor: Teri Todd

Effects of Videogame-based Intervention on Postural Control in Youth with Autism Spectrum Disorder

Matthew Reinig

Graduate, Kinesiology

Faculty Mentor: Steven Loy

Taking a Risk and Getting Involved

Chelsea Yanagida

Graduate, Kinesiology

Faculty Mentor: Steven Loy

An Approach to a Progressive and Standardized Exercise Curriculum for a Free Community-Based Fitness Program for Low-fit Individuals

Gennadiy Yeshu

Graduate, Kinesiology

Faculty Mentor: Victoria Jaque

The Influence of Resistance Exercise on Autonomic Function and Mood State

POSTER
Presentation
USU
Northridge Center

POSTER Presentation Session USU Northridge Center, 12:00pm

POSTER 1

Michelle Abdennour

Graduate, Department of Social Work

Faculty Mentor: Hyun-Sun Park

Relationship between Religiosity and Service Utilization Among Cuban Americans

POSTER 2

Alina Adamian

Undergraduate, Department of Biology

Faculty Mentor: Cindy Malone

Promoter Region Isolation & Characterization of miRNA-155

POSTER 3

Sahara Ahal

Graduate, Department of Art

Faculty Mentor: Christian Tedeschi

Waste and Want: An investigation of Desire and Decay

POSTER 4

Heghush Aleksanyan

Graduate, Department of Biology

Faculty Mentor: Steven Oppenheimer

Effects of α -mannosidase in sea urchin embryo gastrulation

POSTER 5

Kaiya Bailey

Graduate, Department of Social Work

Faculty Mentor: Sarah Mountz

A Liberation-Based Analysis of How Resilient Youth Develop Critical Consciousness

POSTER 6

Shannon Bayliss

Graduate, Department of Biology

Faculty Mentor: Casey terHorst

Effects of Diversity and Nutrients on Trait Evolution and Productivity of Symbiodinium

POSTER 7

Marlesha Bell

Graduate, Department of Psychology

Faculty Mentor: Tara Fahmie

Functional Analysis of Many Forms of Problem Behavior

POSTER 8

Bryan Benedict and Aryeh Solomon

Undergraduate and Graduate, Department of Biology

Faculty Mentor: Michael Summers

Identifying Proteins that Associate with Cyanobacterial Lipid Droplets

POSTER 9

Jesse Bozo and Michelle Revels-Macalinao

Undergraduate and Graduate, Department of Psychology

Faculty Mentor: Virginia Huynh

“Your Skin Color Doesn’t Matter”: The Relationship Between Lighter Skin Color Preference and Discrimination

POSTER Presentation Session USU Northridge Center, 12:00pm

POSTER 10

Jesse Breazeale

Graduate, Department of Biology

Faculty Mentor: Tim Karels

Small mammal distribution in the Santa Monica Mountains following a wildfire

POSTER 11

Shayla Brooks

Graduate, Department of Chemistry and Biochemistry

Faculty Mentor: Karin Crowhurst

Using NMR to probe the dynamics of binding between Gai1 and Regulator of G protein Signaling 4 (RGS4).

POSTER 12

Delwin Carter

Graduate, Department of Psychology

Faculty Mentor: Andrew Ainsworth

The effect of suspect clothing on the decision to shoot

POSTER 13

Catherine Chidester

Graduate, Department of Art

Faculty Mentor: Patsy Cox

How Tableware Effects Consumption.

POSTER 14

Leanne Cohen and Sarah Contreras

Graduate, Department of Social Work

Faculty Mentor: Sarah Mountz

Beyond the Binary: Exploring the Lived Experiences and Needs of Transgender and Gender Non-Conforming College Students Through Photovoice

POSTER 15

Judith Cramer and Josh Stepakoff

Undergraduate, Department of Psychology

Faculty Mentor: Que-Lam Huynh

Being Cool in School, School Identity and School Subjective Social Status

POSTER 16

Elizabeth Damavandi and Melanie Fessinger

Undergraduate, Department of Psychology

Faculty Mentor: Bradley McAuliff

What's My Cat's Name? Accuracy of Children's Responses to Ground Rules Questions

POSTER 17

La France Daniels

Graduate, Department of Biology

Faculty Mentor: Randy Cohen

Identifying Serotonergic Neurons in the brain of the Cockroach *Rhyarobia maderia* implicated in the regulation of carbohydrate self-selection feeding behavior

POSTER 18

Debra De Caro

Graduate, Department of Social Work

Faculty Mentor: Jodi Brown

Laughter and Mood in Adults Living with Parkinson's Disease

POSTER Presentation Session USU Northridge Center, 12:00pm

POSTER 19

Ashton Drewello

Undergraduate, Department of Anthropology
Faculty Mentor: Sabina Magliocco

“Sacred Ink: Religious Syncretism and Sociopolitical Parallels in Thai Sak Yant”

POSTER 20

Danielle Duce

Undergraduate, Department of Biology
Faculty Mentor: Gilberto Flores

Effect of dietary and demographic factors on the abundance of probiotic bacteria in children

POSTER 21

Thu Duong

Undergraduate, Department of Biology
Faculty Mentor: Maria Elena de Bellard

Neuregulin and NGF Enhance Schwann cells Motility

POSTER 22

Edward Eisen

Graduate, Department of Computer Science
Faculty Mentor: Jeff Wiegley

A Hovering Drone for Real Time Environment Mapping and Reporting, for Use by Law Enforcement

POSTER 23

Orsini Estrada

Graduate, Department of Social Work
Faculty Mentor: Jodi Brown

Bilingual Therapist Spanish Language Skills Satisfaction

POSTER 24

Mallory Fry

Graduate, Department of Education
Faculty Mentor: Brian Foley

Peer Feedback in American Sign Language through Video Recording

POSTER 25

Nicole Fuentes, Amir Ali Arsalan and Jonathan Challacomb

Undergraduate, Department of Biology
Faculty Mentor: Michael Summers

Bacterial Two-Hybrid System Identifies Interacting Sigma Factors and Anti-Sigma Factors in Nostoc punctiforme

POSTER 26

Elifalet Garcia

Undergraduate, Department of Engineering
Faculty Mentor: Vibhav Durgesh

Experimental study on aerodynamics performance of thin airfoil at low Re numbers

POSTER 27

Sean Geiger

Graduate, Department of Biology
Faculty Mentor: Michael Summers

Characterization of Cyanobacterial Lipid Droplets and Lipid Droplet-Associated Proteins

POSTER Presentation Session USU Northridge Center, 12:00pm

POSTER 28

Karapet Gyurdzhyan

Undergraduate, Department of Chemistry and Biochemistry

Faculty Mentor: Jheem Medh

Use of PCR arrays to identify target genes of the lipoprotein lipase to cholesterol efflux signaling pathway.

POSTER 29

Jenna Jackson

Graduate, Department of Family and Consumer Sciences

Faculty Mentor: Elizabeth Sussman

Effectiveness of a smartphone application on improving dietary choices in hemodialysis patients

POSTER 30

Brenda Jeng

Graduate, Department of Kinesiology

Faculty Mentor: Taeyou Jung

Comparison of cardiorespiratory responses between pool floor and overground walking in people post-stroke

POSTER 31

Matthew Kaplan

Graduate, Department of Social Work

Faculty Mentor: Jodi Brown and Virginia Huynh

Exploring the Relationship between Socioeconomic Status and Ethnic Identity among Latino College Students

POSTER 32

Stefanie Kapucija

Graduate, Department of Biology

Faculty Mentor: Rachel Mackelprang

Targeted metagenomic analysis of nitrogen cycle genes of native and cultivated prairie soils of the Midwestern United States

POSTER 33

Carson Keller

Graduate, Department of Biology

Faculty Mentor: Tim Karels

Anthropogenic Impacts on Mammalian Carnivores of Southern California

POSTER 34

Niloofer Khalighi, Alex Hernandez, Victor Campos

Graduate, Department of Family and Consumer Sciences

Faculty Mentor: Anubati Thakur

California State University, Northridge Extended Learning Building Multidisciplinary Design Through Cutting Edge Technology

POSTER 35

Elena Korsakova

Graduate, Department of Chemistry and Biochemistry

Faculty Mentor: Jheem Medh

Ciglitazone and Lovastatin Regulate Genes Involved in Glucose Metabolism in HepG2 Cells

POSTER 36

Chelsea Kowitz

Graduate, Department of Art

Faculty Mentor: Laurel Long

Salamander Adventures

POSTER 37

Tania Kurbessoian

Graduate, Department of Biology

Faculty Mentor: Larry Baresi

Comparative Analysis of 16s Ribosomal RNA typing and Physiological Traits within the Species *Sporosarcina ureae*

POSTER 38

Gabriel Lewin

Undergraduate, Department of Biology

Faculty Mentor: Cindy Malone

Identification and Characterization of the Essential Promoter Region of GPR18

POSTER 39

Joseph Long

Graduate, Department of Biology

Faculty Mentor: Cindy Malone

The Characterization of Endonuclease-Induced Chromosomal Rearrangements at the Beta- and Delta-globin gene loci in Human CD34+ Hematopoietic Stem Cells

POSTER 40

Jessie Lopez

Graduate, Department of Biology

Faculty Mentor: Cindy Malone

hESCs Facilitate Functional Recovery Following White Matter Stroke

POSTER 41

Ulises Lopez

Graduate, Department of Biology

Faculty Mentor: Gilberto Flores

Seasonal variability of a photosynthetic microbial mat community

POSTER 42

Kimberly Rose Madhwani

Undergraduate, Department of Chemistry and Biochemistry

Faculty Mentor: Jheem Medh

Purification of Truncated Wild-Type and Mutant Recombinant Lipoprotein Lipase

POSTER 43

Tanya Markary

Undergraduate, Department of Biology

Faculty Mentor: Michael Summers

Identification of a transcriptional regulator involved in cyanobacterial cell envelope integrity

POSTER 44

Sarah Merolla

Graduate, Department of Biology

Faculty Mentor: Robert Carpenter

Effects of ocean acidification and water flow on calcification and photosynthesis for different morphologies of coralline algae

POSTER 45

Shana Morro

Graduate, Department of Social Work

Faculty Mentor: Jodi Brown

Fun with Friends: Evaluating Summer Cmap Experience

POSTER 46

Alexa Mutti

Graduate, Department of Biology

Faculty Mentor: Steve Dudgeon

Characterizing the Expanse of the Invasive European Green Crab, *Carcinus maenas*, in Central Maine

POSTER 47

Sevana Nazarian

Graduate, Department of Biology

Faculty Mentor: Rheem Medh

Role of Bcl11b, Bim, and E4BP4 in Regulation of Apoptosis in the RS4;11 Human Leukemic Cell Line

POSTER 48

Hannah Nelson

Graduate, Department of Biology

Faculty Mentor: Peter Edmunds

Effects of Coral Mortality on Reef Invertebrate Communities

POSTER 49

Eliana Ochoa-bolton

Undergraduate, Department of Biology

Faculty Mentor: Cindy Malone

Gene Expression Analysis of FANCI via Promoter Region Sequence Isolation in Mantle Cell Lymphoma (MCL) vs. Small Lymphocytic Lymphoma (SLL)

POSTER 50

Hansook Oh

Graduate, Department of Journalism

Faculty Mentor: Melissa Wall

Celebrities and Mental Disorders

POSTER 51

Amanda Osborn

Graduate, Department of Geography

Faculty Mentor: Ed Jackiewicz

Big Island View Towards Tourism

POSTER 52

Harmanpreet Panesar

Undergraduate, Department of Chemistry and Biochemistry

Faculty Mentor: Thomas Minehan

Synthesis and DNA binding profile of N-mono- and N,N'-disubstituted indolo[3,2-b]carbazoles

POSTER 53

An Pham

Undergraduate, Department of Electrical and Computer Engineering

Faculty Mentor: Benjamin Mallard

CVD Growth and Characterization of Single Layer MoS₂

POSTER 54

David Quintero

Graduate, Department of Biology

Faculty Mentor: David Bermudes

A chimeric protease inhibitor secreted by Escherichia coli with potential for use in biofuel fermentations and therapeutic bacteria.

POSTER 55

Tess Renahan

Graduate, Department of Biology

Faculty Mentor: Ray Hong

Nematode *Pristionchus pacificus* embryos permanently arrest in presence of oriental beetle sex pheromone

POSTER 56

Rachel Rhymer

Graduate, Department of Biology

Faculty Mentor: Robert Espinoza

Why do parents care? Testing the roles of maternal care in an Argentinean lizard

POSTER 57

Joseph Sadorski

Graduate, Department of Geological Sciences

Faculty Mentor: Joshua Schwartz

Time Scales of Continental Arc Root Construction and Deep Crustal Magmatic Flux Rates: Insights from U-PB Zircon Geochronology of a Triassic-Cretaceous ARC, Fiordland, New Zealand

POSTER 58

Monica Sandoval

Graduate, Department of Art

Faculty Mentor: Christian Tedeschi

Untitled

POSTER 59

Menaga Shanmugam and Fabian Martinez

Undergraduate, Department of Biology

Faculty Mentor: Randy Cohen

Efficacy of employing intracerebral ventricle infusion as a means for transplanting neuronal stem cells

POSTER 60

Kelsea Smith

Graduate, Department of Kinesiology

Faculty Mentor: Taeyou Jung

The Effects of Aquatic Exercise on Balance in Individuals with Multiple Sclerosis

POSTER 61

Daniel Sternberg

Graduate, Department of Biology

Faculty Mentor: Peter Edmunds

Have *Diadema antillarum* populations in Bonaire recovered 27 years after a mass-mortality event?

POSTER 62

Rashonda Stubblefield

Undergraduate, Department of Geological Sciences

Faculty Mentor: Richard Heermance

Shifting wind vectors as evidenced by yardang morphology and the implications for climate change in Qaidam Basin, China

POSTER 63

Jessica Tapia and Keegan Hornbeck

Graduate, Department of Social Work

Faculty Mentor: Jodi Brown

'Who Is More Deserving of Veteran Benefits Based on Level of Combat Exposure?'

POSTER 64

Naomi Tarle

Graduate, Department of Art
Faculty Mentor: Michelle Rozic

Death Masks for the Living: Art and Atrocity

POSTER 65

Jennet Troy

Graduate, Department of English
Faculty Mentor: Kent Baxter

Divorce

POSTER 66

Brenda Velasco

Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Mary-Patricia Stein

Identifying ankB interacting proteins

POSTER 67

Diana Velez

Graduate, Department of Psychology
Faculty Mentor: Scott Plunkett

Does rumination predict anxiety and depression or vice versa?

POSTER 68

Rachel Webb

Undergraduate, Department of Psychology
Faculty Mentor: Mark Otten

The Effects of Coaching Behavior on Player Performance In Men's Basketball

POSTER 69

Barbara Weiser

Graduate, Department of Biology
Faculty Mentor: Mark Steele

Ecological and evolutionary effects of estuary seasonal closure on California killifish, *Fundulus parvipinnis*, in Southern California.

POSTER 70

Kelly Whaling and David Martinez

Graduate, Department of Psychology
Faculty Mentor: Scott Plunkett

Reliability and Validity of the 8-Item Patient Health Questionnaire for Measuring Depressive Symptoms of Latino Emerging Adults

POSTER 71

Calvin Won

Graduate, Department of Biology
Faculty Mentor: Larry Allen

Spawning Aggregation Dynamics of the Barred Sand Bass, *Paralabrax Nebulifer*, Using Active Acoustic Technology

POSTER 72

Jun Yan

Graduate, Department of Biology
Faculty Mentor: Cindy Malone

Using Natural Killer Cells with Mart-1 specific T-Cell Receptor to treat melanoma

POSTER 73

Daniella Yerumyan and Melnaie Grzyb

Undergraduate, Department of Psychology

Faculty Mentor: Virginia Huynh

I Like My Coffee Black...Hold the Stress

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NOTES

University Student Union

usu.csun.edu
(818) 677-2251

Sol Center

- FIRST FLOOR**
- ATMs
 - Information Desk
 - Matador Involvement Center
 - TV Lounge
 - USU Events

- SECOND FLOOR**
- USU Administration Offices
 - Moorpark
 - Mission Hills Study Lounge
 - Plaza Vista Study Lounge
 - USU Cashier
 - Santa Monica Mountains
 - Ventura
 - Woodland Hills

- THIRD FLOOR**
- Executive Board Room
 - Santa Clarita
 - Santa Susana
 - Verdugo Mountains

Northridge Center Complex

- FIRST FLOOR**
- Granada Hills
 - Lake Balboa
 - North Valley
 - Northridge Center
 - Reseda
 - South Valley
 - West Valley

- SECOND FLOOR**
- Plaza del Sol Performance Hall
 - USU Theatre (Entrance is on First Floor)

East Conference Center

- FIRST FLOOR**
- Alladena
 - East Conference Lounge
 - La Crescenta
 - Panorama City
 - Prayer/Meditation/Reflection Room
 - Shadow Hills
 - Sun Valley
 - Sunny/Days Camp
 - Tujunga
 - Van Nuys

- SECOND FLOOR**
- Arcadia
 - Burbank
 - Flintridge
 - Glendale
 - Lake View Terrace
 - Pasadena

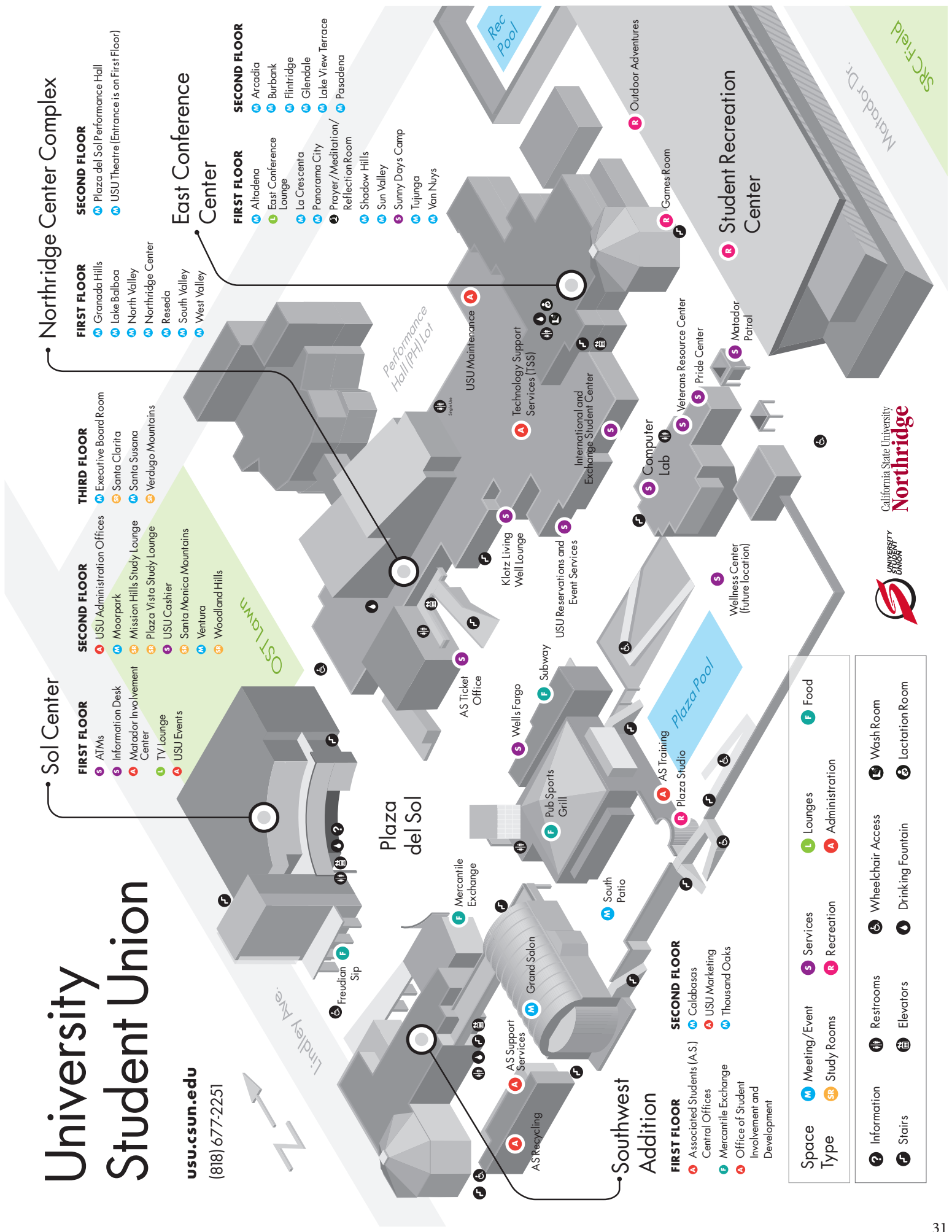
Plaza del Sol

- FIRST FLOOR**
- AS Recycling
 - AS Support Services
 - AS Ticket Office
 - AS Training
 - AS Training Plaza Studio
 - Freudian Sp
 - Grand Salon
 - Mercantile Exchange
 - Pub Sports Grill
 - South Patio
 - Subway
 - Wells Fargo
- SECOND FLOOR**
- Associated Students (A.S.) Central Offices
 - Calabasas
 - USU Marketing
 - Thousand Oaks
 - Mercantile Exchange
 - Office of Student Involvement and Development
 - International and Exchange Student Center
 - USU Reservations and Event Services
 - USU Maintenance
 - Technology Support Services (TSS)
 - Computer Lab
 - Veterans Resource Center
 - Pride Center
 - Matador Patrol
 - Wellness Center (future location)

Southwest Addition

- FIRST FLOOR**
- AS Recycling
 - AS Support Services
 - AS Training
 - AS Training Plaza Studio
 - Freudian Sp
 - Grand Salon
 - Mercantile Exchange
 - Pub Sports Grill
 - South Patio
 - Subway
 - Wells Fargo
- SECOND FLOOR**
- Associated Students (A.S.) Central Offices
 - Calabasas
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 - Mercantile Exchange
 - Office of Student Involvement and Development
 - International and Exchange Student Center
 - USU Reservations and Event Services
 - USU Maintenance
 - Technology Support Services (TSS)
 - Computer Lab
 - Veterans Resource Center
 - Pride Center
 - Matador Patrol
 - Wellness Center (future location)

Space Type	Meeting/Event	Study Rooms	Services	Recreation	Food
Information	Information	Information	Information	Information	Information
Stairs	Stairs	Stairs	Stairs	Stairs	Stairs
Restrooms	Restrooms	Restrooms	Restrooms	Restrooms	Restrooms
Elevators	Elevators	Elevators	Elevators	Elevators	Elevators
Wheelchair Access	Wheelchair Access	Wheelchair Access	Wheelchair Access	Wheelchair Access	Wheelchair Access
Drinking Fountain	Drinking Fountain	Drinking Fountain	Drinking Fountain	Drinking Fountain	Drinking Fountain
Lactation Room	Lactation Room	Lactation Room	Lactation Room	Lactation Room	Lactation Room



Campus Map

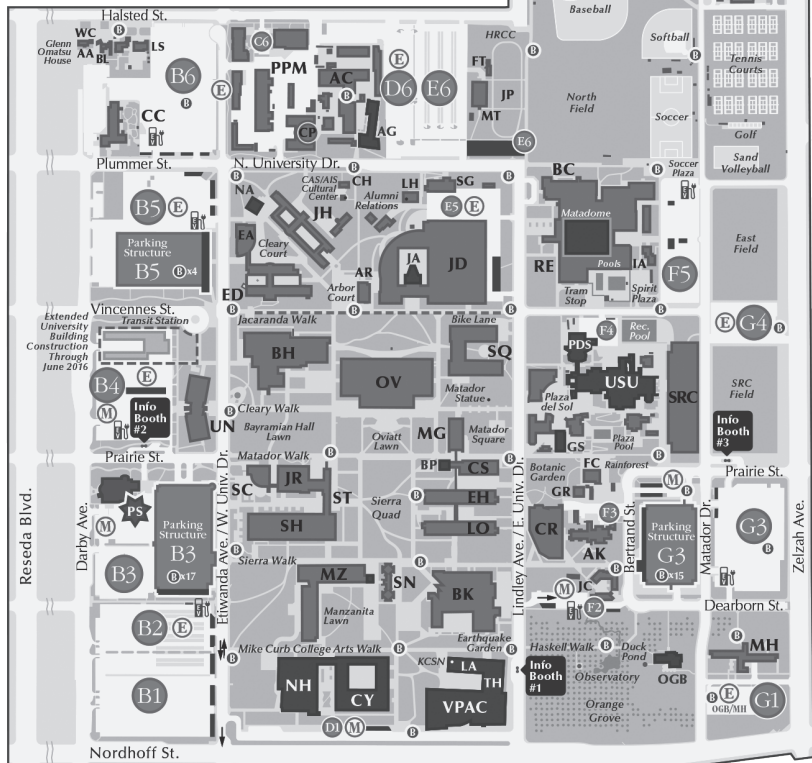
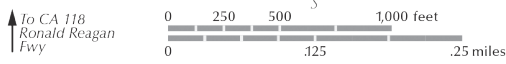
California State University Northridge

18111 Nordhoff Street • Northridge, CA 91330
 Information: 818.677.1200 • Police Services: 818.677.2111
 www.csun.edu



LEGEND

- Parking
- Event Sites
- Police Services
- Metered/Pay-By-Space
- Employee Only
- Emergency Blue Light Phone
- Electric Vehicle Charging Station



- Building Name—Grid Location**
- AK** Addie Klotz Student Health Center—F3
 - AA** Asian American Activities Center—B6
 - AC** Art and Design Center—D6
MFA Studios [AC]—D6
 - AG** Art Gallery—D6
 - AR** Armer Screening Room[MZ100]—D2
 - AR** Arbor Grill—D5
 - BC** The Abbott and Linda Brown Western Center for Adaptive Aquatic Therapy—F5
Baseball Field—F7
 - BH** Bayramian Hall—C4
 - BK** Matador Bookstore Complex—E2
 - BL** Black House—B6
 - BP** Donald Bianchi Planetarium—E3
Campus Theatre[NH100]—C1
 - CC** Children's Center—B6
 - CH** Chicano House—D5
 - CP** Central Plant—C6
 - CPS** Community Policing Substation—G7
 - CR** Chaparral Hall—F3
 - CS** Citrus Hall—E3
 - CY** Cypress Hall—D1
Recital Hall [CY158]
 - EA** Education Administration—C5
 - ED** Education—C5
East Field—G5
 - EH** Eucalyptus Hall—E3
 - FC** Fuel Cell—F3
 - FT** Fitness Center/Nautilus—E6
Golf—G6
 - GR** Greenhouse—F3
 - GS** Grand Salon—F4
High Ropes Challenge Course (HRCC)—E6
 - IA** Intercollegiate Athletics Office—F5
 - JA** C. R. Johnson Auditorium—D5
 - JC** Jeanne Chisholm Hall/NCOD—F2
 - JD** Jacaranda Hall—E5
 - JH** Juniper Hall—C5
 - JP** Jogging Path—E6
 - JR** Jerome Richfield Hall—C3
KCSN—E1
 - LA** Kurland Lecture Hall—E1
 - LH** Laurel Hall, Alumni Relations—D5
 - LO** Live Oak Hall—E3
 - LS** Child and Family Studies Lab School—B6
Little Theatre[NH121]—C1
 - MG** Magnolia Hall—E4
Matadome[RE140]—F5
 - MH** Monterey Hall—G1
 - MT** Matador Hall—E6
 - MZ** Manzanita Hall—D2
Armer Screening Room [MZ100]
 - NA** Charles H. Noski Auditorium—C5
North Field—F6
 - NH** Nordhoff Hall—C1
Little Theatre [NH121]
Campus Theatre [NH100]
 - OGB** Orange Grove Bistro—F1
 - OV** Delmar T. Oviatt Library—D4
 - PDS** Plaza del Sol Performance Hall—F4
 - PPM** Physical Plant Mgmt./Corp. Yard—C6
 - PS** Police Services—B3
Rainforest—F3
 - RE** Redwood Hall—F5
Matadome[RE140]—F5
Pools—F5
Racquetball Courts—F5
Recital Hall[CY158]—D1
Sand Volleyball—G6
Softball Field—F6
 - SC** Sierra Center—C3
 - SG** Sagebrush Hall—E5
 - SH** Sierra Hall—C3
Whitsett Room [SH451]
 - SN** Santa Susana Hall—D2
Soccer Practice Field—F7
Soccer Plaza & Field—G6
 - SQ** Sequoia Hall—E4
 - SRC** Student Recreation Center—G4
 - SSU** Satellite Student Union—G9
 - ST** Sierra Tower—C3
Track—F8
Transit Station—B4
 - TH** Experimental Theatre—E1
Tennis Courts—G6
 - UN** University Hall—B4
 - UP** University Park Apartments—F-C, 8-9
 - USU** University Student Union—F4
 - UV** University Village Apartments—G11
 - VPAC** Valley Performing Arts Center—E1
Whitsett Room[SH451]—C3
 - WC** Women's Center—B6

Cartography: David Deis, Department of Geography • College of Social & Behavioral Sciences • Fall, 2014

To US 101
Ventura Fwy

To I 405
San Diego Fwy