Friday, April 9, 2021

Dear Student Participants, Faculty and Staff:

Welcome to the 25th Annual CSUNposium at California State University, Northridge. We are pleased that you are planning 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 CSUN. The poster and oral presentations at today’s symposium demonstrate our student’s dedication to research and scholarship. Their research addresses fundamental questions in the arts, sciences, and technology.

The University’s distinguished faculty members 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 helped prepare them for success in advanced degree programs. CSUN was ranked among the top 25 “Rising Star Institutions” for research in North America by the journal Nature, and the National Science Foundation ranks CSUN third in the nation among similar institutions for number of undergraduates who go on to earn research doctoral degrees. CSUN is a campus where individuals rise.

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

Erika D. Beck
President

Mary Beth Walker
Provost and VP for Academic Affairs

Amy Levin
AVP Graduate Studies

Charlene Manzueta
Acting AIC, Research and Sponsored Programs
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Schedule of Events
Friday, April 9, 2021

8:30 AM  3-Minute Oral Presentations  Via Zoom
           Session 1 Multiple Disciplines- Graduates
           Session 2 Multiple Disciplines- Graduates
           Session 3 Multiple Disciplines- Undergraduates

Morning 10-Minute Oral Presentations  Via Zoom
           Session 1 Colleges of S&M and S&BS
           Session 2 Colleges of S&BS, HUM and AMC
           Session 3 Colleges of CECS
           Session 4 Colleges of S&M
           Session 5 Colleges S&BS, HHD and AMCH
           Session 6 College S&M AND CECS
           Session 7 College of HHD, S&M and S&BS
           Session 8 Colleges of HUM, AMC and HHD
           Session 9 College of S&BS
           Session 10 Colleges of S&M
           Session 11 Colleges of CECS
           Session 12 Colleges of S&M

9:30 AM  3-Minute Oral Presentations  Via Zoom
           Session 4 Multiple Disciplines- Undergraduates
           Session 5 Multiple Disciplines- Graduates
           Session 6 Multiple Disciplines- Undergraduates

10:00 AM  Morning Poster Presentations by Groups (1-7)  Via Zoom

10:30 AM  3-Minute Oral Presentations  Via Zoom
           Session 7 Multiple Disciplines- Undergraduates
           Session 8 Multiple Disciplines- Graduates

12:30 PM  Afternoon 10-Minute Oral Presentations  Via Zoom
           Session 13 College of HHD, EDU and S&BS
           Session 14 Colleges of HUM and AMC
           Session 15 College of HHD, S&BS and EDU
           Session 16 College of S&M
           Session 17 College of S&M and CECS
           Session 18 College of S&M, S&BS and BUS

1:00 PM  Afternoon Poster Presentations by Groups (8-14)  Via Zoom

The awards ceremony will be held on Tuesday, April 13th at 1 PM. You will receive an email notification about the ceremony.

Faculty Mentors
(by College)

Arts, Media & Communication
Samantha Fields
Todd Holmes
Matthew Jackson
Ah-jeong Kim
J’aime Morrison
Juan Mercedes
Musotto
Clinton Rusich
Jon Stahl
Melissa Wall

Business & Economics
Nanci Carr
Amir Gharehgozli
Zhaleh Semnani
Kristen Walker

Division of Student Affairs
Sara Aquino

Education
Brian Foley
Mark Stevens

Engineering & Computer Science
Peter Bishay
David Boyajian
Shadi Mahjoob
Katya Mkrtchyan
Subhradeep Roy
Christoph Schaal
Tadeh Zirakian

Health & Human Development
Stephanie Benjamin
Annette Besnilian

Humanities
Lauren Byler
Yriena Cervantez
Laura Hirrel
David Medeiros
Iswari Pandey
Mary Pardo
Tineke Scholten
Colleen Tripp

Science & Math
Ravinder Abrol
Alexander
Alekseenko
Larry Allen
Jared Ashcroft

Other
Bryant Horowitz

Social & Behavioral Sciences
Alyssa Arentoft
Eli Bartle
Sara Berzenski
Moshoula Capous-Desyllas
Thomas Chan
Gabriela Chavira
Cathy Costin
Judith DeBonis
James Decker
Thomas Devine
Stefanie Drew
Tara Fahmie
Edward Jackiewicz
Chunying Jin
Gary Katz
Kimberly Kirner
Katherine Lorenz
Susan Love
Debbie Ma
Jonathan Martinez
David McCarty-Caplan
Stacy Missari
Nayan Ramirez
Jill Razani
Abraham Rutchick
Omar Ruvalcaba
Suzanne Scheld
Josh Sides
Hyun Sun Park
Yolanda Vasquez-Salgado

Stephen Chung
Nelida Duran
Myriam Forster
Rosalia Garcia-Torres
Kandice Grote
Shu-Sha Angie Guan
Jacob Hinkel-Lipsker
Simona Hradil
Virginia Huynh
Danielle Jarvis
Nola Kennedy
Jennifer Little
Paulo Marchetti
Yoko Mimura
Mirna Sawyer
Suzanne Spear
Elizabeth Suizman
Claudia Toledo-Corral
Vickie Yu

David Bermudes
Anna Bezryadina
Robert Carpenter
Kah Chun Lau
Jennifer Cotton
Ana Cristina Cadavid
Rabia Djellouli
Peter Edmunds
Maria Elena de Bellard
Robert Espinoza
Eileen Evans
Silvia Fernandez
Paula Fischhaber
Gilberto Flores
Scott Hauswirth
Cheryl Hogue
Ray Hong
Veronica Jaramillo
Tim Kerals
Jonathan Kelber
Eric Kelson
Jing Li
Mariano Loza-Coll
Tyler Luchko
Rachel Mackelprang
Cindy Malone
Rheem Medh
Gagik Melikyan
Elena Miranda
Sean Murray
Kerry Nickols
Taeboem Oh
Miroslav Peric
Luca Ricci
Jeanne Robertson
Cristian Ruiz Rueda
Paula Schiffman
Joshua Schwartz
Nyssa Silbiger
Mark Steele
Melissa Takahashi

Joseph Teprovich
Casey terHorst
Michael Vendrasco
Jessica Vey
Li Ye
Jeremy Yoder
CSUNposium Judges
(by College)

Arts, Media & Communications
Candice Greathouse
Matt Jackson
Mario Ontiveros
Kristin Taylor

Business & Economics
Akash Gupta
Sean Keyani
Qin Sun

Education
Tamara Ashton
Greg Knotts
Samantha Toews
Dogukan Ulupinar

Engineering & Computer Science
Vijay Bhatt
Jamie Booth
David Boyajian
Crist Khachikian
Sami Maalouf
Shadi Mahjoob
Vidya Nandikolla
Christoph Schaal
John Valdovinos
Jeff Wiegley
Tadeh Zirakian

Graduate Studies
Hedy Carpenter

Health and Human Development
Mechelle Best
Larry Chu
Randy Farber
Rosalia Garcia-Torres
Hessam Ghamari

Kandice Grote
Kim Henige
Ovande Jr. Furtado
Nola Kennedy
Uma Krishnan
Patty Kwan
Paulo Marchetti
Rika Meyer
Bethany Rainisch
Cathy Rusch
Suzi Spear
Teri Todd

Humanities
Laura Hirrel
Ane Icardo Isasa
Svetlana Tyutina
Tim Watson

Institutional Research
Ryan Feyk-Miney

Research and Sponsored Programs
Jennifer Bloom
Bianca Gantt
Laura Serrano

Science & Math
Kah Chun Lau
Bobby Espinoza
Mariano Loza-Coll
Tyler Luchko
Cindy Malone
Kerry Nickols
Shanthi Parkar
Nyssa Silbiger
Melissa Takahashi
Cheryl Van Buskirk
Li Ye
Jeremy Yoder
Xu Zhang

Ravi Abrol
Mia Adreani
Anna Bezryadina
Maria Elena de Bellard
Michael Eller
Michael Franklin
Fritz Hertel
Meng-Che Ho
James Hogue
Ray Hong
Jeanne Robertson
Cristian Ruiz-Rueda
Casey terHorst

Social & Behavioral Sciences
Moshoula Capous-Desyllas
Judith DeBonis
Stefanie Drew
Elise Fenn
Rachel Giraudo
Marc Glidden
Rachel Howes
Que-Lam Huynh
Gary Katz
Chin-hsin Liu
Katherine Lorenz
Daniel Olmos
Jose Paez
Nayan Ramirez
Jill Razani
Boris Ricks
Maggie Shiffar
James Snead
Anastasiia Timmer
Jose Vargas

University Library
Kimberly Embleton
Jamie Johnson
Christina Mayberry
3-Minute Oral Presentations, Sessions 1-8
Session 1, Graduate Students
Colleges of Health and Human Development & Social and Behavioral Sciences
8:30 AM - 9:06 AM, Completed Stage

8:30 AM
Yonatan Barrera-Gomez
Graduate
Department of Social Work
Faculty Mentor: Judith DeBonis
Title of Presentation: Policy Analysis: How will Senate Bill 145 impact communities of color?

8:36 AM
Alexis Gallardo, Stephanie Anne Leyva, Flor De Maria Peraza and Jadwiga Czachor
Graduate
Department of Health Sciences
Faculty Mentor: Suzanne Spear
Title of Presentation: Are more people masking up?: Adherence to masking and social distancing in the San Fernando Valley

8:42 AM
Melanie Gonzalez and Melissa Suard
Graduate
Department of Social Work
Faculty Mentor: Judith DeBonis
Title of Presentation: Exploring How Social Distancing Due to Coronavirus Has Impacted Mental Well-Being

8:48 AM
Albert Herrea
Graduate
Department of Sociology
Faculty Mentor: Moshoula Capous-Desyllas
Title of Presentation: Shredding Masculinity in Skateboarding Culture: Exploring the ways in which Women and LGBTQ+ Skateboarders Curb Non-Inclusive Social Space

8:54 AM
Pedro Puentes
Graduate
Department of History
Faculty Mentor: Thomas Devine and Josh Sides
Title of Presentation: "Por el Barrio: El primer Mexicoamericano en la Junta de Educación de Los Ángeles (For the Neighborhood: The First Mexican-American in the Los Angeles School Board of Education)

9:00 AM
Rosa Sanchez and Emma Reyes Calles
Graduate
Department of Social Work
Faculty Mentor: Judith DeBonis
Title of Presentation: Policy Analysis: AB 12- California Fostering Connections to Success Act
Session 2, Graduate Students

Colleges of Humanities, Science and Mathematics & Social and Behavioral Sciences

8:30 AM - 9:00 AM, Preliminary/Proposal Stage

8:30 AM
Bianca Bernal and Nicole Gabaldon
Graduate
Department of Social Work
Faculty Mentor: Judith Debonis
Title of Presentation: A program Evaluation: Exploring efficacy of nutrition programs aimed with combating childhood obesity in Hispanic communities.

8:36 AM
Sean Farmer
Graduate
Department of Biology
Faculty Mentor: Robert Espinoza
Title of Presentation: Does evaporative water loss limit the range of the paradoxically rare Common Garter Snake (Thamnophis sirtalis) in Southern California?

8:42 AM
Alejandra Fregozo
Graduate
Department of Chicano/a Studies
Faculty Mentor: Mary Pardo
Title of Presentation: Expanding the Pathway to the Ph.D: Exploring the role of terminal Master's degrees on Latina/o doctoral student production

8:48 AM
Emily Mallory
Graduate
Department of Chemistry and Biochemistry
Faculty Mentor: Li Ye
Title of Presentation: An Investigation of Students’ Cognitive and Affective Learning in Online General Chemistry Laboratory

8:54 AM
Taylorann Smith
Graduate
Department of Biology
Faculty Mentor: Kerry Nickols
Title of Presentation: Patterns and consequences of microplastic pollution in Southern California intertidal and deep-sea habitats
Session 3, Undergraduate Students
Colleges of Business and Economics, Engineering and Computer Science & Science and Mathematics
8:30 AM - 9:12 AM, Preliminary/Proposal Stage

8:30 AM
Mohammed Aljabri, Noor Al Subhi, Hawraa Almuhsen, Pablo Aguilar and Rodrigo Amarillas
Undergraduate
Department of Civil Engineering and Construction Management technology
Faculty Mentor: Tadeh Zirakian and David Boyajian
Title of Presentation: Design and Analysis of a Green and Environmentally Friendly Residential Building

8:36 AM
Nicole Bisente
Undergraduate
Department of Biology
Faculty Mentor: Robert Espinoza
Title of Presentation: Adaptive morphological variation among invasive populations of the Mediterranean House Geckos in the USA

8:42 AM
Ziad Chehadeh and Amr Elkordy
Undergraduate
Department of Marketing
Faculty Mentor: Kristen Walker
Title of Presentation: Connections and Convenience in a K-12 Compulsory Setting

8:48 AM
Ram Daquil and Enrique Canel
Undergraduate
Department of Mechanical Engineering
Faculty Mentor: Shadi Mahjoob
Title of Presentation: Design and Analysis of Fuselage Structure of a Radio Controlled Aircraft

8:54 AM
Calvin Lau
Undergraduate
Department of Mechanical Engineering
Faculty Mentor: Shadi Mahjoob
Title of Presentation: FEA Analysis on the Colonist Delivery Aircraft Hook Mount

9:00 AM
Robert Rodriguez
Undergraduate
Department of Mechanical Engineering
Faculty Mentor: Shadi Mahjoob
Title of Presentation: Aerodynamic Analysis of a Glider

9:06 AM
Christopher Wheeler
Undergraduate
Department of Computer Science
Faculty Mentor: Katya Mkrtchyan
Title of Presentation: Automated count of mosquitoes
Session 4, Undergraduate Students

Colleges of Science and Mathematics, Health and Human Development & Business and Economics

9:30 AM - 10:00 AM, Preliminary/Proposal Stage

9:30 AM
Carmen Hernandez-Perez
Undergraduate
Department of Biology
Faculty Mentor: Melissa Takahashi
Title of Presentation: Investigating the Mechanism of Lincomycin Transcriptional Attenuators

9:36 AM
Manjot Kaur
Undergraduate
Department of Chemistry and Biochemistry
Faculty Mentor: Nola Kennedy
Title of Presentation: Relationship between Arsenic, Epigenome and Reproduction

9:42 AM
Ayana Riley
Undergraduate
Department of Child and Adolescent Development
Faculty Mentor: Virginia Huynh
Title of Presentation: Children's experiences of ethnic-racial identity, socialization, and discrimination in middle childhood and early adolescence

9:48 AM
Andrew St. Julian
Undergraduate
Department of Biology
Faculty Mentor: Robert Espinoza
Title of Presentation: Does access to hindgut microbial symbionts affect the growth rate of an herbivorous reptile?

9:54 AM
Sherry Su
Undergraduate
Department of Management
Faculty Mentor: Zhaleh Semnani Azad
Title of Presentation: Intersection of Gender and Culture, and its Impact on Entrepreneurship Negotiation
Session 5, Graduate Students

Colleges of Health and Human Development, Social and Behavioral Sciences
& Arts, Media, and Communication

9:30 AM - 10:00 AM, Completed Stage

9:30 AM
Angel Arizpe
Graduate
Department of Health Sciences
Faculty Mentor: Myriam Foster, Claudia Toledo Corral and Stephanie Benjamin
Title of Presentation: The Association of Sociocultural Stressors and Coping Styles in a Community Sample of Hispanic and Somali Adolescents.

9:36 AM
Jocelyn Canales and Marbella Infante
Graduate
Department of Social Work
Faculty Mentor: Judith DeBonis
Title of Presentation: A Program Evaluation of the Mother-Infant Programs in California State Prisons

9:42 AM
Sally Hamilton and Erica Arias
Graduate
Department of Social Work
Faculty Mentor: Judith DeBonis
Title of Presentation: Anti Recidivism Coalition: An Effort to Develop Potential Grant Funding to Strengthen System-Impacted Women

9:48 AM
Olga Mateos-Sainos
Graduate
Department of Social Work
Faculty Mentor: Judith DeBonis
Title of Presentation: Speaking as an Immigrant – The Voices of Immigrants Under the 1st Amendment

9:54 AM
Pauline Tamale
Graduate
Department of Music
Faculty Mentor: Mercedes Juan Musotto
Title of Presentation: Struggles in Love Narrated by Music
Session 6, Undergraduate Students

Colleges of Science and Mathematics & Health and Human Development

9:30 AM - 10:12 AM, Preliminary/Proposal Stage

9:30 AM
Kirk Richard Dolar
Undergraduate
Department of Biology
Faculty Mentor: Michael Vendrasco
Title of Presentation: The Effects of Heavy Metal Carcinogens From Exide Technologies in the Soil On Human Health and the Effectiveness of Phytoremediation Using SoCal Friendly Hyperaccumulators

9:36 AM
Ana Carolina Fernandes and Lorena Melendez
Undergraduate
Department of Health Sciences
Faculty Mentor: Mirna Sawyer
Title of Presentation: An interdisciplinary student’s approach to design a Community Kitchen at CSUN.

9:42 AM
Suzanne Griswold
Undergraduate
Department of Family and Consumer Sciences
Faculty Mentor: Rosalia Garcia-Torres
Title of Presentation: What Makes a Great Kombucha?

9:48 AM
Stephanie Hartel
Undergraduate
Department of Biology
Faculty Mentor: Gilberto Flores
Title of Presentation: In vitro interactions between Akkermansia muciniphila and gut epithelial cells.

9:54 AM
Jeremiah Lyn Susas
Undergraduate
Department of Biology
Faculty Mentor: Melissa Takahashi
Title of Presentation: Usage of Genelet Circuits to Study Antibiotic Resistance

10:00 AM
Luke Tomaneng
Undergraduate
Department of Biology
Faculty Mentor: Jonathan Kelber
Title of Presentation: Investigating the Role of RAI14 in Pancreatic Ductal Adenocarcinoma

10:06 AM
Diana Venegas
Undergraduate
Department of Health Sciences
Faculty Mentor: Nola Kennedy
Title of Presentation: Parkinson’s Patients GDS scores compared to Household Controls
Session 7, Undergraduate Students

Colleges of Health and Human Development, Social and Behavioral Sciences & Engineering and Computer Science
10:30 AM - 11:06 AM, Completed Stage

10:30 AM
Olaniyi Oladipo
Undergraduate
Department of Mechanical Engineering
Faculty Mentor: Peter Bishay
Title of Presentation: CSUN’s foot-controlled prosthetic arm

10:36 AM
Victory Idehen and Jessica Fay
Undergraduate
Department of Environmental and Occupational Health
Faculty Mentor: Claudia Toledo-Corral
Title of Presentation: The association between high sodium diets and blood pressure among young adults.

10:42 AM
Jeremy Morales
Undergraduate
Department of Health Sciences
Faculty Mentor: Claudia Toledo-Corral
Title of Presentation: Examining the interrelationships between sleep, inflammation, and depressive symptoms among young adult, minority college students.

10:48 AM
Justin Gluck and Lauren Knox
Undergraduate
Department of Psychology
Faculty Mentor: Stefanie Drew and Sara Berzenski
Title of Presentation: Extrovert, introvert, or "technovert": Measuring extroversion with technology processing

10:54 AM
Emma Reyes
Undergraduate
Department of Health Sciences
Faculty Mentor: Jennifer Little
Title of Presentation: Postmortem Radiography: The New Autopsy?

11:00 AM
Konstantin Sotirov, Cesar Lachica III, Timothy Nguyen and Joseph Rinke
Undergraduate
Department of Mechanical Engineering
Faculty Mentor: Shadi Mahjoob
Title of Presentation: Design of an Avionics System for a Radio-Controlled Aircraft Missioned with Payloads
Session 8, Graduate Students
Colleges of Health and Human Development, Science and Mathematics
& Engineering and Computer Science
10:30 AM - 10:54 AM, Completed Stage

10:30 AM
Roxanne Neely
Graduate
Department of Kinesiology
Faculty Mentor: Paulo Marchetti
Title of Presentation: Multi- and single-joint exercises present similar acute responses on muscle thickness and peak force for elbow flexors in recreationally-trained subjects

10:36 AM
Florine Pascal
Graduate
Department of Biology
Faculty Mentor: Jeanne Robertson
Title of Presentation: Characterizing Color Variation and Mate Choice in a Hybrid Population of Agalychnis callidryas

10:42 AM
Craig Stevens
Graduate
Department of Mechanical Engineering
Faculty Mentor: Peter Bishay
Title of Presentation: How can we simulate the flow of air around a wing?

10:48 AM
Keanna Sullivan
Graduate
Department of Kinesiology
Faculty Mentor: Paulo Marchetti
Title of Presentation: Exercise variability did not affect muscle thickness for elbow flexors in recreationally-trained subjects
10-Minute Oral Presentations, Sessions 1-18
Session 1, Graduate Students
Colleges of Social and Behavioral Sciences & Science and Mathematics
8:30 AM - 10:25 AM, Completed Stage
Theme: Climate Change and Environmental Science

8:30 AM
Lillian Beaudoin
Graduate
Department of Social Work
Faculty Mentor: James Decker
Title of Presentation: Not Cool: The U.S. Government's Unattainable Climate Disaster Preparedness Guidelines

8:45 AM
Amanda Chiachi
Graduate
Department of Biology
Faculty Mentor: Nyssa Silbiger
Title of Presentation: Determining Response and Recovery of Red Abalone to Marine Heatwaves

9:00 AM
Jeng Hann Chong
Graduate
Department of Geological Science
Faculty Mentor: Eileen Evans
Title of Presentation: How does the Cascadia subduction zone affect earthquakes in the Pacific Northwest?

9:15 AM
Benjamin Chubak
Graduate
Department of Biology
Faculty Mentor: Mark Steele
Title of Presentation: Evaluating the Importance of Reef-Based Resources for Reproduction in a Temperate Reef Fish

9:30 AM BREAK

9:40 AM
Jessica Glanz
Graduate
Department of Biology
Faculty Mentor: Robert Carpenter
Title of Presentation: Abiotic and biotic factors interact to modulate the diffusive boundary layer around a crustose coralline alga

9:55 AM
Trevor Ruppert
Graduate
Department of Biology
Faculty Mentor: Robert Espinoza
Title of Presentation: Frogs on the move: determining the dispersal abilities of a Southern Californian invasive amphibian

10:10 AM
Victoria Scotti
Graduate
Department of Anthropology
Faculty Mentor: Suzanne Scheld
Title of Presentation: Southern California Beaches: A Study of Public Space, Environmentalism, and Culture
Session 2, Graduate Students
Colleges of Arts, Media, and Communication, Social and Behavioral Sciences & Humanities
8:30 AM - 10:40 AM, Completed Stage
Theme: Culture and Social Justice

8:30 AM
Mineh Der Grigorian
Graduate
Department of Journalism
Faculty Mentor: Melissa Wall
Title of Presentation: Armenian-Iranian Escape to Freedom

8:45 AM
Ethan Gauthier
Graduate
Department of History
Faculty Mentor: Josh Sides
Title of Presentation: Injustice and the Modoc War Crimes Trial of 1873

9:00 AM
Kayla Gorenstein
Graduate
Department of Psychology
Faculty Mentor: Jill Razani
Title of Presentation: How Cultural Factors in Ethnically Diverse Immigrants Affect Neuropsychological Test Performance

9:15 AM
Brittney Jimenez
Graduate
Department of Chicano/a Studies
Faculty Mentor: Mary Pardo
Title of Presentation: Constructing Community: An Intersectional Analysis of San Fernando Valley Youth’s Involvement in Community Activism

9:30 AM BREAK

9:40 AM
Serena Molina
Graduate
Department of Anthropology
Faculty Mentor: Suzanne Scheld
Title of Presentation: Closing the Chasm: An Analysis of Interfaith Grassroots Organizations and Muslim-Jewish Relations

9:55 AM
Cathrine Johnson (Jacobsen)-No longer Presenting
Graduate
Department of Sociology
Faculty Mentor: Katherine Lorenz and Nayan Ramirez
Title of Presentation: The Perception of Justice: Justice for Adult Incarcerated Juveniles Subjected to Solitary Confinement

10:10 AM
Jennifer Jackson
Graduate
Department of Social Work
Faculty Mentor: Eli Bartle
Title of Presentation: Experiences of Doulas Working with Black Mothers in Los Angeles

10:25 AM
Angel Quintanilla
Graduate
Department of Social Work
Faculty Mentor: Eli Bartle
Title of Presentation: The Echoes of Adversity: How Salvadors’ Strengths Manifest After Experiencing Civil War and U.S. Law Enforcement Policy
8:30 AM
Arturo Garcia
Graduate
Department of Mechanical Engineering
Faculty Mentor: Shadi Mahjoob
Title of Presentation: Numerical Investigation of Gas Turbine Internal Cooling Employing Structured Channels

8:45 AM
Christian Aguilar
Graduate
Department of Mechanical Engineering
Faculty Mentor: Peter Bishay
Title of Presentation: Development of a Seamless Composite Skin for a Twist-Morphing Wing

9:00 AM
Arshak Amirbekyan
Graduate
Department of Mechanical Engineering
Faculty Mentor: Peter Bishay
Title of Presentation: Analysis and Design of Periodic Composite Beams with/without Piezoelectric Elements

9:15 AM
James Martinez
Graduate
Department of Mechanical Engineering
Faculty Mentor: Peter Bishay
Title of Presentation: Neural Network-Based Reliability Analysis of Smart Composite Structures

9:30 AM BREAK

9:40 AM
Douglas Hull
Graduate
Department of Mechanical Engineering
Faculty Mentor: Subhradeep Roy
Title of Presentation: Understanding spatiotemporal dependencies of traffic characteristics among California’s freeway segments using causal discovery algorithms

9:55 AM
Phu Nguyen
Graduate
Department of Computer Science
Faculty Mentor: Kah Chun Lau
Title of Presentation: Fundamental Study of Solvated Crystal Structures Using Data-Mining and Machine-Learning Method

10:10 AM
Divyadeep Upadhyay
Graduate
Department of Mechanical Engineering
Faculty Mentor: Christoph Schaal
Title of Presentation: Vision Based Tracking of Scattering High Intensity Focused Ultrasound in Shadowgraph Images.
8:30 AM
Cameron Geller
Graduate
Department of Biology
Faculty Mentor: Jonathan Kelber
Title of Presentation: Metabolic Intermediates or Fibronectin Mediate Effectiveness of Targeted DHPS/SLC3A2 Inhibition in Triple Negative Breast Cancer Cells via Subcellular SMAD3 and eIF5A1/2 Redistribution Mechanisms

8:45 AM
Nicole Babayans
Graduate
Department of Chemistry and Biochemistry
Faculty Mentor: Gagik Melikyan
Title of Presentation: Cobalt-complexed acetylenic tetrads and hexads: Site discrimination in ionic-ionic quadruple functionalization reactions

9:00 AM
Michael Barton
Graduate
Department of Physics and Astronomy
Faculty Mentor: Tyler Luchko
Title of Presentation: Improving Binding Affinity Predictions with the Double Decoupling Method in Implicit Solvent Models

9:15 AM
Zafer Acar
Graduate
Department of Physics and Astronomy
Faculty Mentor: Kah Chun Lau
Title of Presentation: Fundamental Study of Ionic Liquids Melting Point Structure-Property Using Machine-Learning Method

9:30 AM
Inga Girshfeld
Graduate
Department of Mathematics
Faculty Mentor: Rabia Djellouli
Title of Presentation: High-Order Wave Tracking Strategy for Solving High-Frequency Scattering Problems

9:45 AM BREAK

9:55 AM
Vivian Vy Le and Nicole Kushnir
Graduate
Department of Biology
Faculty Mentor: Ray Hong
Title of Presentation: Targeted mutations by CRISPR/Cas9 to test response to salt

10:10 AM
Loren Padilla
Graduate
Department of Biology
Faculty Mentor: Gilberto Flores
Title of Presentation: Mechanisms of 2'-fucosyllactose degradation by the common human gut bacterium Akkermansia muciniphila.

10:25 AM
Brandon Sripimonwan
Graduate
Department of Mathematics
Faculty Mentor: Silvia Fernandez
Title of Presentation: Investigating crossings in book drawings of multipartite graphs
8:30 AM  
Amos Burns, Renee Nadres and Kaori Ito  
Undergraduate  
Department of Cinema and Television Arts  
**Faculty Mentor:** Todd Holmes  
**Title of Presentation:** Hollywood and Anime: A Recipe for Successful Adaptations

8:45 AM  
Lorena Melendez, Orr Moshe and Christina Castro  
Undergraduate  
Department of Family and Consumer Sciences  
**Faculty Mentor:** Nelida Duran and Mirna Sawyer  
**Title of Presentation:** CalFresh Healthy Living on College Campuses.

9:00 AM  
Jonathan Flores and Camilla Macchiavelli  
Undergraduate  
Department of Cinema and Television Arts  
**Faculty Mentor:** Todd Holmes  
**Title of Presentation:** Limited Series: Critics and audiences responses to the format

9:15 AM-No Longer Presenting  
Kaitlyn Ha and Jingyi Rao  
Undergraduate  
Department of Cinema and Television Arts  
**Faculty Mentor:** Todd Holmes  
**Title of Presentation:** The Effectiveness of Social Media Marketing

9:30 AM BREAK

9:40 AM  
Alexander Krause and Lauren Knox  
Undergraduate  
Department of Psychology  
**Faculty Mentor:** Stefanie Drew, Jacob Hinkel-Lipsker and Sara Berzenski  
**Title of Presentation:** Head, shoulders, knees and toes: The effects of screen time on physical discomfort

9:55 AM  
Ricardo Corona  
Undergraduate  
Department of Music  
**Faculty Mentor:** Clinton Rusich  
**Title of Presentation:** The Latinx Choir

10:10 AM  
Rodý Villegas and Alejandro Jimenez  
Undergraduate  
Department of Theatre  
**Faculty Mentor:** Matthew Jackson  
**Title of Presentation:** Interrupted Frequencies; A Series of Radio Plays
Session 6, Undergraduate Students

Colleges of Science and Mathematics & Engineering and Computer Science

8:30 AM - 10:40 AM, Completed Stage

8:30 AM
Pouya Bahrami
Undergraduate
Department of Chemistry and Biochemistry
Faculty Mentor: Li Ye
Title of Presentation: Students’ perceptions and adaptations from in-person learning to online learning in chemistry courses

8:45 AM
Jessica Clayton
Undergraduate
Department of Biology
Faculty Mentor: Peter Edmunds
Title of Presentation: The Response of a Benthic Marine Invertebrate Community to Changing Environmental Conditions in Santa Catalina Island, CA

9:00 AM
Anthony Gutierrez
Undergraduate
Department of Biology
Faculty Mentor: Sean Murray
Title of Presentation: A loss of cell curvature resulting from overexpression of a bacterial phospholipid synthase

9:15 AM
Jonathan Lacanlale
Undergraduate
Department of Computer Science
Faculty Mentor: Katya Mkrtchyan
Title of Presentation: Mosquito Odor Receptor Quantification

9:30 AM BREAK

9:40 AM
James Kok and Luis Ferrusquilla
Undergraduate
Department of Mechanical Engineering
Faculty Mentor: Peter Bishay
Title of Presentation: Matamorph-3: An unmanned aerial vehicle with camber-morphing wings and tail stabilizers

9:55 AM
Jeffrey Johnson and Waheedah Akberzie
Undergraduate
Department of Mechanical Engineering
Faculty Mentor: Peter Bishay
Title of Presentation: Development of an affordable lightweight transradial prosthetic arm with foot controller, tactile feedback and wrist rotation capabilities

10:10 AM
Alexander McMahon
Undergraduate
Department of Physics and Astronomy
Faculty Mentor: Tyler Luchko
Title of Presentation: Accelerating Molecular Dynamics with 3D-RISM-NNP

10:25 AM
Joanna Antoniuk, Nareg Atarian, Azin Azarmi, Sami Babisho and Emanooel Gharapet Kamarzary
Undergraduate
Department of Civil Engineering and Construction Management
Faculty Mentor: Tadeh Zirakian and David Boyajian
Title of Presentation: Design of an Energy Efficient and Environmentally Friendly Building
Session 7, Undergraduate Students

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

8:30 AM - 10:25 AM, Completed Stage

Theme: Health

8:30 AM
Michelle Alcantara
Undergraduate
Department of Health Sciences

Faculty Mentor: Stephen Chung

Title of Presentation: The Reasons and the Extent to which Medical Care was Delayed during the Covid-19 Pandemic: Among Older adults with Different Health Status at Baseline

8:45 AM
Jose Chacon
Undergraduate
Department of Biology

Faculty Mentor: Gabriela Chavira

Title of Presentation: Comparative analysis of SARS-CoV-2 secondary structures using chemical reactivity

9:00 AM
Caesar Liu
Undergraduate
Department of Psychology

Faculty Mentor: Sara Berzenski

Title of Presentation: College Academic Perfectionism Scale: Development and Validation

9:15 AM
Isabel Munoz Orozco, Kimberly Hernandez and Joevanie Mata
Undergraduate
Department of Kinesiology

Faculty Mentor: Danielle Jarvis

Title of Presentation: Comparison on the Skipping Kinematics of College Students with and without Autism Spectrum Disorder

9:30 AM BREAK

9:40 AM
Nazareth Ortega
Undergraduate
Department of Psychology

Faculty Mentor: Jill Razani

Title of Presentation: Relationship Between Cultural Factors and Neuropsychological Test Performance in a Sample of Hispanic/Latinx Individuals in College

9:55 AM
Caroline Plaza, Lorena Melendez and Marie Page
Undergraduate
Department of Health Sciences

Faculty Mentor: Nelida Duran

Title of Presentation: CSUN's Response to COVID19 Regarding Student Health, Well-Being, and Basic Needs

10:10 AM
Sophia Reyes
Undergraduate
Department of Geography

Faculty Mentor: Edward Jackiewicz

Title of Presentation: Examining Redlining and Census Self-response rates in U.S. Cities
Session 8, Graduate Students

Colleges of Humanities, Health and Human Development & Arts, Media, and Communication
8:30 AM - 10:55 AM, Preliminary/Proposal Stage

8:30 AM
Melanie Dow
Graduate
Department of Linguistics
Faculty Mentor: Tineke Scholten
Title of Presentation: Public perceptions of legal phrases “using a firearm” and “carrying a firearm

8:45 AM
Leslie Garcia and Velda Veronika Garcia Pazos - No Longer Presenting
Graduate
Department of Family and Consumer Sciences
Faculty Mentor: Yoko Mimura
Title of Presentation: Connecting Families Facing Child to Parent Aggression/Violence to Community Resources

9:00 AM
Brandon Gauthier
Graduate
Department of English
Faculty Mentor: Iswari Pandey
Title of Presentation: Metaphor in College Composition Instruction

9:15 AM
Tomas Hernandez
Graduate
Department of Chicano/a Studies
Faculty Mentor: Yriena Cervantez
Title of Presentation: Regenerative Chicanx Art: Photovoltaic productions for community settings

9:30 AM
Amor Leal
Graduate
Department of Linguistics
Faculty Mentor: David Medeiros
Title of Presentation: Agreement in Hixkaryana person portmanteaux: An analysis

9:45 AM BREAK

9:55 AM
Francisco Lopez
Graduate
Department of Chicano/a Studies
Faculty Mentor: Mary Pardo
Title of Presentation: The Barrio Beautification Effect: Contemporary Graffiti Art: Creating Cultural Resistance, Resilience & Healing with Young Boys/Men of Color in Los Angeles

10:10 AM
Belle Ponce de Leon, Maria Ayala, Gevork Arzumanyan and Pranavi Depur
Graduate
Department of Kinesiology
Faculty Mentor: Jacob Hinkel-Lipsker
Title of Presentation: Namaste Healthy in an Online World

10:25 AM
Michael Weise and Joshua Vicente
Graduate
Department of Kinesiology
Faculty Mentor: Jacob Hinkel-Lipsker
Title of Presentation: Reading in Space: Virtual Reality Reading in an Immersive Environment

10:40 AM
Scott Kriloff - No Longer Presenting
Graduate
Department of Theatre
Faculty Mentor: J’aime Morrison
Title of Presentation: Because in the real world, eventually things have to go to press, even if never quite ready to publish, yeah?
Session 9, Graduate Students
College of Social and Behavioral Sciences
8:30 AM - 10:40 AM, Preliminary/Proposal Stage

8:30 AM
Schuyler Zans
Graduate
Department of Social Work
Faculty Mentor: Eli Bartle
Title of Presentation: Competencies for Treatment of Transgender Survivors of Sexual Violence

8:45 AM
Jessica Church
Graduate
Department of Social Work
Faculty Mentor: Eli Bartle
Title of Presentation: Content Analysis of Anorexic Self-Reported Family Dynamics

9:00 AM
Karen Alvarez
Graduate
Department of Psychology
Faculty Mentor: Alyssa Arentoft
Title of Presentation: Reinforcement Sensitivity and Sexual Risk Behaviors in HIV+ Individuals with Substance Use History

9:15 AM
Donna Crilly
Graduate
Department of Anthropology
Faculty Mentor: Kimberly Kirner, Suzanne Scheld and Cathy Costin
Title of Presentation: Art and punk as a process: hopepunk within the cultural context of the US from 2016-2021

9:30 BREAK

9:40 AM
Julie Martin Aguilar
Graduate
Department of Sociology
Faculty Mentor: Stacy Missari
Title of Presentation: You feel like you’re doing everything alone”: Women’s experiences with Pregnancy & Childbirth during the COVID-19 Pandemic

9:55 AM
Grace Rhee
Graduate
Department of Social Work
Faculty Mentor: David McCarty-Caplan
Title of Presentation: The Impact of Interim Housing: Services for Children Experiencing Homelessness

10:10 AM
Nancy Mendoza Estrada
Graduate
Department of Psychology
Faculty Mentor: Jill Razani
Title of Presentation: Dementia Diagnosis and Family History of Dementia Impact Daily Functional Ability

10:25 AM
DeVere Vidamuerte, Lauren Knox and Nidah Mohammed
Graduate
Department of Psychology
Faculty Mentor: Stefanie Drew and Sara Berzenski
Title of Presentation: Blue shield? The investigation of blue-light filters as a protective factor.
Session 10, Graduate Students  
*College of Science and Mathematics*  
8:30 AM - 10:40 AM, Preliminary/Proposal Stage

8:30 AM  
Steven Ayoub  
Graduate  
Department of Chemistry and Biochemistry  
**Faculty Mentor:** Tyler Luchko  
**Title of Presentation:** Sensitivity of pKa calculations to Implicit Solvent Models

8:45 AM  
Suzi Arzoumanyan  
Graduate  
Department of Biology  
**Faculty Mentor:** Rachel Mackelprang  
**Title of Presentation:** Changes in thawing permafrost microbial communities and their contributions to climate change

9:00 AM  
Jocelyn Coreas, Michelle Bonilla and Michael Boulos  
Graduate  
Department of Biology  
**Faculty Mentor:** Mariano Loza-Coll  
**Title of Presentation:** Transmission of ethanol tolerance to progeny of repeatedly intoxicated parents in Drosophila melanogaster

9:15 AM  
Jesus Hernandez  
Graduate  
Department of Chemistry and Biochemistry  
**Faculty Mentor:** Joseph Teprovich  
**Title of Presentation:** Developing Carbon Quantum Dots for Biosensing and Photodynamic Therapy Applications

9:30 AM BREAK

9:40 AM  
Carmen Hoffbeck  
Graduate  
Department of Biology  
**Faculty Mentor:** Casey terHorst  
**Title of Presentation:** Modeling Invasive Species Spread

9:55 AM  
Roland Lacap  
Graduate  
Department of Biology  
**Faculty Mentor:** Maria Elena de Bellard  
**Title of Presentation:** Can Sharks Feel Pain? A Molecular Approach to Elasmobranch Nociception

10:10 AM  
Caitlin MacGregor  
Graduate  
Department of Biology  
**Faculty Mentor:** Jeremy Yoder  
**Title of Presentation:** Climate adaptation in the obligate pollinators of Joshua trees

10:25 AM  
Mikhail Plaza  
Graduate  
Department of Biology  
**Faculty Mentor:** Jeremy Yoder  
**Title of Presentation:** Investigating divergent selection on Joshua trees through linkage mapping
Session 11, Undergraduate Students
College of Engineering and Computer Science
8:30 AM - 10:40 AM, Preliminary/Proposal Stage
Theme: Buildings and Aircrafts

8:30 AM
Kamal Khalil, Michael Grams, Mariam Hanin, David Hakobyan and Laura Ghloum
Undergraduate
Department of Civil Engineering and Construction Management
Faculty Mentor: Tadeh Zirakian and David Boyajian
Title of Presentation: Environmentally Friendly Building Design and its Cost Analysis

8:45 AM
Thai Nguyen, David Paiva, Arundeep Saini, Jocelyn Quintanilla and Alina Phung
Undergraduate
Department of Civil Engineering and Construction Management
Faculty Mentor: Tadeh Zirakian and David Boyajian
Title of Presentation: Structural Analysis and Design of a LEED-Certified Residential Building

9:00 AM
Rony Simon, Masis Soleymani, Filopater Yosef, Cristian Soto, and Josue Villatoro
Undergraduate
Department of Civil Engineering and Construction Management
Faculty Mentor: Tadeh Zirakian and David Boyajian
Title of Presentation: Design and Cost Analysis of Three Story Four Unit Residential GREEN Complex

9:15 AM
Victor Paez, Mandeep Chase and Koung Kham
Undergraduate
Department of Mechanical Engineering
Faculty Mentor: Shadi Mahjoob
Title of Presentation: FEA Analysis on Remote Control Aircraft Wing with E423 Airfoil

9:30 BREAK

9:40 AM
Lorenzo Quijas and Tahir Quettawala
Undergraduate
Department of Mechanical Engineering
Faculty Mentor: Shadi Mahjoob
Title of Presentation: Performance Study of a Lifting Fuselage

9:55 AM
Jorge Rivera, Marvin Hernandez and Diego Barreto
Undergraduate
Department of Mechanical Engineering
Faculty Mentor: Shadi Mahjoob
Title of Presentation: Finite Element Analysis to Design Radio Controlled Aircraft Tail Structure

10:10 AM
Timothy Nguyen and Lorenzo Quijas
Undergraduate
Department of Mechanical Engineering
Faculty Mentor: Shadi Mahjoob
Title of Presentation: Systematic Design of a Radio Controlled Aircraft

10:25 AM
Carlos Zamora and Christopher Perez
Undergraduate
Department of Mechanical Engineering
Faculty Mentor: Shadi Mahjoob
Title of Presentation: Aerodynamics Analysis of Airflow around an Airplane Tail
Session 12, Undergraduate Students  
*College of Science and Mathematics*  
8:30 AM - 10:55 AM, Preliminary/Proposal Stage  
Theme: Cells and Genes

8:30 AM  
Tadeo Aviles Zuniga  
Undergraduate  
Department of Biology  
**Faculty Mentor:** Cindy Malone  
**Title of Presentation:** Characterizing the promoter region and conservation of human gene (USP47)

8:45 AM  
Alessandra Serrano  
Undergraduate  
Department of Biology  
**Faculty Mentor:** Cindy Malone  
**Title of Presentation:** Identification and Characterization of the Forkhead Box R1 Gene Promoter Region

9:00 AM  
Joshua Gamez  
Undergraduate  
Department of Biology  
**Faculty Mentor:** Jonathan Kelber  
**Title of Presentation:** The Role of LCN2 In Mediating Premetastatic Breast Cancer Progression

9:15 AM  
Sara Shatela  
Undergraduate  
Department of Biology  
**Faculty Mentor:** Gilberto Flores  
**Title of Presentation:** Investigating GABA production in the potentially therapeutic gut bacterium Akkermansia muciniphila

9:30 AM  
Joanna Maddela  
Undergraduate  
Department of Biology  
**Faculty Mentor:** Jonathan Kelber  
**Title of Presentation:** The Role of SLC3A2 and eIF5A1/2 in Breast Cancer Progression

9:45 AM BREAK

9:55 AM  
David Romero  
Undergraduate  
Department of Chemistry and Biochemistry  
**Faculty Mentor:** Rachel Mackelprang  
**Title of Presentation:** Identification of Viral DNA Sequences Across a Permafrost Chronosequence

10:10 AM  
Marim El-Karim  
Undergraduate  
Department of Biology  
**Faculty Mentor:** Rachel Mackelprang  
**Title of Presentation:** Identifying Ancient Antibiotic Resistance Genes in Permafrost

10:25 AM  
Raphael Angelo Zambrano and Lizette Silva  
Undergraduate  
Department of Biology  
**Faculty Mentor:** Melissa Takahashi  
**Title of Presentation:** Designed antisense molecules target antibiotic resistance modulated by MicF repressing OmpF

10:40 AM  
Jonathan Hakimian  
Undergraduate  
Department of Chemistry and Biochemistry  
**Faculty Mentor:** Paula Fischhaber  
**Title of Presentation:** Investigating SLX4-Dependent Recruitment of Rad1-Rad10 to DNA Double Strand Breaks During DNA Repair in Dividing Cells
Session 13, Graduate Students
Colleges of Health and Human Development, Education & Social and Behavioral Sciences
12:30 PM - 2:00 PM, Completed Stage
Theme: The Pandemic and Mental Health

12:30 PM
Idania (Dani) Brown
Graduate
Department of Health Sciences
Faculty Mentor: Claudia Toledo-Corral
Title of Presentation: Self-compassion may reduce depression in young adults: A pathway through perceived stress

1:15 PM
Chana Friedman
Graduate
Department of Social Work
Faculty Mentor: David McCarty-Caplan
Title of Presentation: The effects of the Covid-19 Pandemic on Parenting Stress

12:45 PM
Gabriel Cooper
Graduate
Department of Educational Psychology and Counseling
Faculty Mentor: Mark Stevens
Title of Presentation: A Brief Mindfulness Course for Professionals in Mental Health Agencies

1:30 PM
Francesca Diaz and Patricia Sebastian
Graduate
Department of Social Work
Faculty Mentor: Hyun Sun Park
Title of Presentation: The Impact of COVID-19 on Stress and Resilience in Filipino Americans

1:45 PM
Lauren Knox
Graduate
Department of Psychology
Faculty Mentor: Stefanie Drew and Sara Berzenski
Title of Presentation: Zoom Mindfully: The Mediating Effects of Mindfulness on Videoconferencing Fatigue

1:00 PM
Michael Samuelson
Graduate
Department of Social Work
Faculty Mentor: Judith DeBonis
Title of Presentation: Has COVID-19 Altered Teen Motivation and Mental Health? A Parent’s Perspective

Session 14, Graduate Students
Colleges of Humanities & Arts, Media, and Communication
12:30 PM - 1:30 PM, Completed Stage

12:30 PM
Erin Laing
Graduate
Department of Linguistics
Faculty Mentor: Laura Hirrel
Title of Presentation: Surrealist Humor - The Treasure of Irrationality

12:45 PM
Adrienne Sacks
Graduate
Department of Art
Faculty Mentor: Samantha Fields
Title of Presentation: Inspired by Your Purchases: Anthropomorphization and Collapse?
1:00 PM
Celia Velazquez
Graduate
Department of English
Faculty Mentor: Colleen Tripp
Title of Presentation: The Relationship of Colonialism and Capitalism in Lyn Di Iorio’s Outside the Bones

1:15 PM
Brittney Wheeler
Graduate
Department of Theatre
Faculty Mentor: Ah-Jeong Kim
Title of Presentation: Voce Donna Nera

Session 15, Graduate Students
Colleges of Health and Human Development, Social and Behavioral Sciences & Education
12:30 PM - 1:45 PM, Completed Stage
Theme: Movement and Education

12:30 PM
Pranavi Depur and Andrew Cho
Graduate
Department of Kinesiology
Faculty Mentor: Jacob Hinkel-Lipsker
Title of Presentation: Improved Balance Control Following Distance Learning of Yoga in Novice Practitioners

12:45 PM
Monica Montalvo, Christina Warner, Alyssa Rojas and Saba Mahmoudi
Graduate
Department of Psychology
Faculty Mentor: Chunying Jin and Tara Fahmie
Title of Presentation: Appropriate Behavior Occurring during a Brief Experimental Arrangement in Typically Developing Preschoolers

1:00 PM
London Outlaw
Graduate
Department of Kinesiology
Faculty Mentor: Danielle Jarvis
Title of Presentation: Dance Injury Prevention

1:15 PM
Kathy Reyes
Graduate
Department of Kinesiology
Faculty Mentor: Danielle Jarvis
Title of Presentation: A comparison of kicking kinematics among college students with and without Autism Spectrum Disorder

1:30 PM
Caroline Roland
Graduate
Department of Secondary Education
Faculty Mentor: Brian Foley
Title of Presentation: Virtual Reality in Education
Session 16, Graduate Students  
*College of Science and Mathematics*  
**12:30 PM - 2:00 PM, Preliminary/Proposal Stage**

12:30 PM  
Albert Aquino  
Graduate  
Department of Biology  
*Faculty Mentor:* Jonathan Kelber  
**Title of Presentation:** Biotin and Avidin Induced Spheroids

12:45 PM  
Arada Batresian  
Graduate  
Department of Biology  
*Faculty Mentor:* Melissa Takahashi  
**Title of Presentation:** Combating antibiotic resistant bacteria by discovering peptides capable of preventing MicF from repressing porin production

1:00 PM  
Hafridha Hadi  
Graduate  
Department of Chemistry and Biochemistry  
*Faculty Mentor:* Paula Fischhaber  
**Title of Presentation:** Construction of a specialized yeast strain containing Yen1-yEMRFP to study Holliday Junction resolution

1:15 PM  
Daniel Kazerskiy  
Graduate  
Department of Biology  
*Faculty Mentor:* Ray Hong  
**Title of Presentation:** Do Novel Genes Drive Evolution of Behavior?

1:30 PM  
Armen Khanbabaei  
Graduate  
Department of Biology  
*Faculty Mentor:* Mariano Loza-Coll  
**Title of Presentation:** Experimental validation of downstream targets of Esg and STAT, and in silico analysis of their transcriptional regulation in the ISCs of Drosophila melanogaster

1:45 PM  
Aaron Lemus, Sheila Vergara, Marziiah Hossine and Sandra Faramarzi  
Graduate  
Department of Biology  
*Faculty Mentor:* Mariano Loza-Coll  
**Title of Presentation:** Exploring the cross-regulation of master regulators Esg and STAT in Drosophila melanogaster intestinal progenitors

Session 17, Graduate Students  
*Colleges of Science and Mathematics & Engineering and Computer Science*  
**12:30 PM - 2:00 PM, Preliminary/Proposal Stage**

12:30 PM  
Adam Brackman  
Graduate  
Department of Geological Science  
*Faculty Mentor:* Joshua Schwartz  
**Title of Presentation:** Evaluating Discrepancies between Bulk-Rock and Single Mineral Geochemical Data in the Magmatic Evolution of Cordilleran Arc Rocks

12:45 PM  
Lizet Casillas  
Graduate  
Department of Physics and Astronomy  
*Faculty Mentor:* Ana Cristina Cadavid  
**Title of Presentation:** Predicting Magnetic Chirality and Potential Geo-effectiveness of Coronal Mass Ejections
1:00 PM
Dylan Daw
Graduate
Department of Physics and Astronomy
Faculty Mentor: Tyler Luchko and Miroslav Peric
Title of Presentation: Efficient Study of Room-Temperature Ionic Liquids Using Molecular Dynamics

1:15 PM
Benjamin Lang
Graduate
Department of Physics and Astronomy
Faculty Mentor: Luca Ricci
Title of Presentation: A Spectral Analysis of Protoplanetary Disk Emissions Around Brown Dwarf 2M0444

1:30 PM
Andrew Theodore
Graduate
Department of Mechanical Engineering
Faculty Mentor: Peter Bishay
Title of Presentation: Analysis and design of a morphing composite plate with embedded shape memory alloy (SMA) wire actuators

1:45 PM
Gerard Valdellon
Graduate
Department of Physics and Astronomy
Faculty Mentor: Luca Ricci
Title of Presentation: Modeling of the Planetary System PDS 70

Session 18, Undergraduate Students
Colleges Science and Mathematics, Social and Behavioral Sciences & Business and Economics
12:30 PM - 1:45 PM, Preliminary/Proposal Stage
Theme: Current World Issues

12:30 PM
Benjamin Burrill
Undergraduate
Department of Physics and Astronomy
Faculty Mentor: Luca Ricci
Title of Presentation: Peering closer into protoplanetary disks with a future ALMA upgrade

12:45 PM
Keenan Manpearl
Undergraduate
Department of Biology
Faculty Mentor: Rachel Mackelprang
Title of Presentation: Large scale metagenomic analysis of the fungi in Arctic permafrost

1:00 PM
Julie Salazar, Sabrina Fontillas, Jonastasya Griffith and Nicole Whitmore
Undergraduate
Department of Psychology
Faculty Mentor: Omar Ruvalcaba
Title of Presentation: An Understanding of Cell phone Usage within Latinx Undergraduate Students

1:15 PM
Tina Toonian
Undergraduate
Department of Business Law
Faculty Mentor: Nanci Carr
Title of Presentation: Legal & Ethical Aspects of COVID-19 Testing Requirement in NYC Schools

1:30 PM
Trung Vong and Maya Bocanegra
Undergraduate
Department of Mathematics
Faculty Mentor: Jing Li
Title of Presentation: Mathematical modeling of COVID-19 transmission and vaccination based on Los Angeles County data
Morning Poster Session
10:00 AM-11:30 AM

Poster Group 1
Graduate, Completed
College of Science and Mathematics

Adit Ghosh
Graduate
Department of Geological Science
Faculty Mentor: Jennifer Cotton and Scott Hauswirth
Title of Presentation: Did climatic changes during the Miocene-Pliocene in South American drive changes in vegetation communities in the region? Studies from three fossil soil (paleosols) localities in N.W. Argentina, using polycyclic aromatic hydrocarbons, δ13C, and bulk geochemistry.

Brandon Page
Graduate
Department of Geological Science
Faculty Mentor: Joshua Schwartz
Title of Presentation: Microstructural Geochemistry of the George Sound Shear Zone in the Worsley Pluton, Fiordland, New Zealand

Duyen Pham
Graduate
Department of Chemistry and Biochemistry
Faculty Mentor: Li Ye
Title of Presentation: Chemistry Self-efficacy in Chemistry Courses: Predictions and Gaps between Students Groups

Shaparak Salek
Graduate
Department of Geological Science
Faculty Mentor: Eileen Evans
Title of Presentation: Estimating geodetic locking depth and long-term slip rate along the central San Andreas Fault using Neural Networks

Poster Group 2
Graduate, Completed
Colleges of Health and Human Development, Humanities & Social and Behavioral Sciences

Jannet De La Torre and Judith Dominguez
Graduate
Department of Social Work
Faculty Mentor: Judith DeBonis
Title of Presentation: The Mental Health of Latinx Young Adults and Its Effect on Their Parental Relationship

Sabina Erickson
Graduate
Department of English
Faculty Mentor: Lauren Byler
Title of Presentation: The VIC and Tech

Daniella Hay
Graduate
Department of Communication Disorders and Sciences
Faculty Mentor: Vickie Yu
Title of Presentation: The Effects of Music Activity on Language Therapy for People with Aphasia

Laura Horwitz
Graduate
Department of Family and Consumer Sciences
Faculty Mentor: Annette Besnilian
Title of Presentation: Sodium and Hypertension in Older Adults and How to Eat Heart Healthy
Mia Risberg  
Graduate  
Department of Health Sciences  
**Faculty Mentor**: Suzanne Spear  
**Title of Presentation**: SBIRT and Mental Health

Jean Pauline Serrano, Julia Salcedo and Anthony Flores  
Graduate  
Department of Psychology  
**Faculty Mentor**: Yolanda Vasquez Salgado and Shu-Sha Angie Guan  
**Title of Presentation**: Home-School Cultural Value Mismatch and Depressive Symptoms in a Sample of Latinx University Freshmen

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**Poster Group 3**  
**Graduate, Preliminary**  
**Colleges of Health and Human Development & Social and Behavioral Sciences**

Jazlyn Armendariz and Maria Pena  
Graduate  
Department of Psychology  
**Faculty Mentor**: Thomas Chan  
**Title of Presentation**: Examining the use of Speech-based Digital Biomarkers and Machine Learning to facilitate change in how Neuropsychological Assessments are conducted

Jake Batey  
Graduate  
Department of Family and Consumer Sciences  
**Faculty Mentor**: Annette Besnilian  
**Title of Presentation**: Evaluation of the Virtual Thrive with Diabetes Program

Joselin Berdugo  
Graduate  
Department of Family and Consumer Sciences  
**Faculty Mentor**: Annette Besnilian  
**Title of Presentation**: Guia Para Una Vida Saludable

Noelle Gozzarelli and Alondra Valdez  
Graduate  
Department of Family and Consumer Sciences  
**Faculty Mentor**: Annette Besnilian  
**Title of Presentation**: Sprouting at Home

Anna Beatriz Guerrero and Gillian Vista and Sheryl Ramos  
Graduate  
Department of Communication Disorders and Sciences  
**Faculty Mentor**: Vickie Yu  
**Title of Presentation**: Self-Assessment on Cultural Competence among Speech-Language Pathologists and Communicative Disorders and Sciences Students

Lihua Ma  
Graduate  
Department of Family and Consumer Sciences  
**Faculty Mentor**: Annette Besnilian  
**Title of Presentation**: Evaluation of the LAB School Rainbow Cooking Classes to improve eating behaviors of preschoolers

Vanessa Sanchez and Erika Giroux  
Graduate  
Department of Family and Consumer Sciences  
**Faculty Mentor**: Annette Besnilian  
**Title of Presentation**: PowerHealth

Lauren Zech and Sahar Tamari  
Graduate  
Department of Family and Consumer Sciences  
**Faculty Mentor**: Annette Besnilian  
**Title of Presentation**: The Effectiveness of Virtual Public Policy Day
Virginia Brown
Graduate
Department of Geological Science
Faculty Mentor: Elena Miranda
Title of Presentation: How is continental crust built? A study of how fault zone deformation controls vertical transport of magma during crustal growth in Fiordland, New Zealand

Allea Cauilan and David Bursalyan
Graduate
Department of Biology
Faculty Mentor: Cristian Ruiz
Title of Presentation: Identification of Endogenous Substrates of the AcrAB-ToIC Pump in Escherichia coli

Jonathan Corpeno
Graduate
Department of Biology
Faculty Mentor: Rachel Mackelprang
Title of Presentation: The Characterizing of Biological Soil Crusts in Extreme Environments

Phillip Digal
Graduate
Department of Physics and Astronomy
Faculty Mentor: Anna Bezryadina
Title of Presentation: Developing bacterial microstructures with optical trapping techniques.

Giancarlo Gomez
Graduate
Department of Biology
Faculty Mentor: Tim Karels
Title of Presentation: Tracking the Spread of Anticoagulant Rodenticide through the Dispersal of Small Mammals

Robyn Jensen
Graduate
Department of Biology
Faculty Mentor: Tim Karels, Paula Schiffman and Casey TerHorst
Title of Presentation: The Effect of Fire on Small Mammal Population Recovery in California Shrublands

Jessica Peria
Graduate
Department of Biology
Faculty Mentor: Mark Steele
Title of Presentation: Movement, Aggregations, and Habitat Selection of Giant Sea Bass (Stereolepis gigas) along the Southern California Coast

Shanelle Wikramanayake
Graduate
Department of Biology
Faculty Mentor: Jeanne Robertson
Title of Presentation: Understanding the relative contributions of multiple modes of sexual signal to pre-mating reproductive isolation and lineage divergence

Samuel Agazaryan
Undergraduate
Department of Computer Science
Faculty Mentor: Katya Mkrtchyan, Tadeh Zirakian and David Boyajian
Title of Presentation: Assessing institutional performance at CSUN’s College of Engineering and Computer Science

Aileen Kangavary
Undergraduate
Department of Psychology
Faculty Mentor: Stefanie Drew
Title of Presentation: The Moderating Role of Anxiety on Burnout and Active Online Engagement
Priscilla Macias
Undergraduate
Department of Family and Consumer Sciences
Faculty Mentor: Elizabeth Sussman
Title of Presentation: Vitamin C Deficiency Among Hemodialysis Patients

Bernardo Martinez, Karina Barragan, Amanda Thwaits and Nayila Deveaux
Jean Pauline Serrano
Undergraduate
Department of Psychology
Faculty Mentor: Yolanda Vasquez-Salgado and Shu-Sha Angie Guan
Title of Presentation: Cultural Mismatch, Physical Distress and Resilience in a Sample of Underrepresented Minority Freshmen

Dylan Martirano and Cat Mesick
Undergraduate
Department of Psychology
Faculty Mentor: Abraham Rutchick
Title of Presentation: Judgments of Collective Responsibility in the Context of Protests Against Police Violence

Joanna Ramirez
Undergraduate
Department of Child and Adolescent Development
Faculty Mentor: Yolanda Vasquez-Salgado and Shu-Sha Angie Guan
Title of Presentation: Peer-Peer Cultural Value Mismatch and Emotion Regulation in a Sample of Underrepresented University Freshmen

Juan Cardenas and Daniel Kazerskiy
Undergraduate
Department of Biology
Faculty Mentor: Ray Hong
Title of Presentation: Characterizing genetic candidates responsible for odor-based paralysis

Christian Cruz
Undergraduate
Department of Chemistry and Biochemistry
Faculty Mentor: Ravinder Abrol
Title of Presentation: Structural Characterization of the G12 Selective DREADD in Complex with G12/13 Proteins

Avedis Guedekelian
Undergraduate
Department of Biology
Faculty Mentor: Cristian Ruiz Rueda
Title of Presentation: Role of the AcrR in directly regulating motility and cell physiology in Escherichia coli.

Viktor Nascak
Undergraduate
Department of Physics and Astronomy
Faculty Mentor: Anna Bezryadina
Title of Presentation: Rapid prototyping of microfluidic devices for biophotonic applications

Tina Paul and David Yeremyan
Undergraduate
Department of Chemistry and Biochemistry
Faculty Mentor: Eric Kelson
Title of Presentation: Development of dimeric ruthenium catalysts for ketone transfer hydrogenation

Erick Rios
Undergraduate
Department of Chemistry and Biochemistry
Faculty Mentor: Eric Kelson
Title of Presentation: Evidence of active transport of phenanthroline-based anti-tumor agents into cancer cells
Armenuhe Terzian and Kevin Ortez  
Undergraduate  
Department of Chemistry and Biochemistry  
Faculty Mentor: Eric Kelson  
Title of Presentation: Amino acid bearing phenantriones as anti-tumor agents

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**Poster Group 7**  
**Undergraduate, Preliminary**  
*Colleges of Science and Mathematics, Health and Human Development*  
& *Social and Behavioral Sciences*

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Marina Achterman  
Undergraduate  
Department of Chemistry and Biochemistry  
Faculty Mentor: Jared Ashcroft  
**Title of Presentation:** Biomimicry of Blue Morpho Butterfly Wings: An Introduction to Nanotechnology Through an Interdisciplinary Science Education Module

Shannon Arias Ortega  
Undergraduate  
Department of Chemistry and Biochemistry  
Faculty Mentor: Rachel Mackelprang  
**Title of Presentation:** B-lactamase gene in Permafrost

Aaliyeh Ayub  
Undergraduate  
Department of Communication Disorders and Sciences  
Faculty Mentor: Vickie Yu  
**Title of Presentation:** The Importance of Preschool Educators and Their Role in Teaching Pre-Literacy Skills.

David Herrera  
Undergraduate  
Department of Biology  
Faculty Mentor: Rheem Medh  
**Title of Presentation:** Investigating the molecular basis for E4BP4-mediated resistance to tamoxifen in breast cancer cells.

Brian Mazariigos  
Undergraduate  
Department of Health Sciences  
Faculty Mentor: Paula Fischhaber  
**Title of Presentation:** Investigating Rad1-Rad10 recruitment by Saw1 in Single-Strand Annealing repair

Kelly Rodriguez  
Undergraduate  
Department of Psychology  
Faculty Mentor: Bryant Horowitz  
**Title of Presentation:** Mental Health Amongst Latinos since the 2016 Presidential Election

Hector Solis  
Undergraduate  
Department of Environmental and Occupational Health  
Faculty Mentor: Nola Kennedy  
**Title of Presentation:** Analysis of Hydroxyl Radical Activity in Volatile Organic Compounds Concentrations in the El Segundo Region and Wilmington Communities.
Afternoon Poster Session
1:00 PM-2:30 PM

Poster Group 8
Graduate, Completed
College of Social and Behavioral Sciences

Cynthia Delgado and Lauren Knox
Graduate
Department of Psychology
Faculty Mentor: Stefanie Drew and Sara Berzenski
Title of Presentation: Feeling Zoom Fatigue?
Examining the use of videoconferencing on mental demand

Danita Hohl
Graduate
Department of Psychology
Faculty Mentor: Debbie Ma
Title of Presentation: Perceptions and Categorizations of a Multiracial Public Figure

Michael Gordon and Marycarmen Beltran
Graduate
Department of Social Work
Faculty Mentor: Judith DeBonis

Talar Katoromian
Graduate
Department of Geography
Faculty Mentor: Edward Jackiewicz and Nelida Duran
Title of Presentation: A Spatial Analysis of the Role of Remittances on Household Food Security in Mexico

Danita Hohl
Graduate
Department of Psychology
Faculty Mentor: Debbie Ma
Title of Presentation: Perceptions and Categorizations of a Multiracial Public Figure

Stephanie Montoya and Grace Piangerelli
Graduate
Department of Social Work
Faculty Mentor: Judith Debonis
Title of Presentation: The Impact of COVID-19 on Low Income Single Mothers and Children

Poster Group 9
Graduate, Preliminary
Colleges of Health and Human Development, Humanities & Social and Behavioral Sciences

Consuelo Macias
Graduate
Department of Social Work
Faculty Mentor: Judith Debonis
Title of Presentation: Policy Analysis: Impact on Senate Bill 794 on Sexually Exploited Youth

Jordan Nenni
Graduate
Department of Psychology
Faculty Mentor: Gary Katz
Title of Presentation: Using Working Memory and Processing Speed Deficits to Predict Attention Disorders

Jamilet Maldonado
Graduate
Department of Family and Consumer Sciences
Faculty Mentor: Annette Besnilian and Simona Hradil
Title of Presentation: Matador Athletes Nutrition Tips

Gina Perez
Graduate
Department of Chicano/a Studies
Faculty Mentor: Moshoula Capous-Desyllas
Title of Presentation: Spiritual Activism: Preserving Catholicism in Mexican-American and Chicano/a Families and Communities, One Prayer at A Time
Eliana Ramirez and Cristina Murillo De La Torre
Graduate
Department of Social Work
**Faculty Mentor:** Susan Love
**Title of Presentation:** A program evaluation of the Val Verde Park after school program during the COVID-19 pandemic

Daniel Saravia and Patricia Orozco-Perez
Graduate
Department of Psychology
**Faculty Mentor:** Jonathan Martinez
**Title of Presentation:** Exploring the Impact of Mental Health Awareness Campaigns on Mental Health Literacy and Stigma among Latinx undergraduate students

Imelda Vianzon, Velia Nuñez, Priscilla Salcedo and Kimberly Felix
Graduate
Department of Health Sciences
**Faculty Mentor:** Suzanne Spear
**Title of Presentation:** The association between mask adherence and COVID-19 case rates within the San Fernando Valley

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**Poster Group 10**
**Graduate, Preliminary**
*College of Science and Mathematics*

Jasmine Hamilton
Graduate
Department of Biology
**Faculty Mentor:** Cheryl Hogue
**Title of Presentation:** An evaluation of flatfish health status across a pollution gradient in Santa Monica Bay

Jamie Kerlin
Graduate
Department of Biology
**Faculty Mentor:** Nyssa Silbiger
**Title of Presentation:** Disturbance and community effect on growth rate and survival of common coral genera of Mo'orea, French Polynesia

Emily Ladin
Graduate
Department of Biology
**Faculty Mentor:** Larry Allen
**Title of Presentation:** Developmental Ontogeny of Giant Sea Bass, Stereolepis gigas

Jessica Maldonado and Alanis Hernandez
Graduate
Department of Biology
**Faculty Mentor:** Cristian Ruiz Rueda
**Title of Presentation:** AcrR, a potential global regulator of gene expression in Escherichia coli

Rowen Jane Odango
Graduate
Department of Chemistry and Biochemistry
**Faculty Mentor:** Paula Fischhaber
**Title of Presentation:** Identifying the interaction domains of Rad1 and Slx4 in Saccharomyces cerevisiae
Poster Group 11  
Undergraduate, Completed  
Colleges of Arts, Media, and Communication, Health and Human Development & Social and Behavioral Sciences

Dianna Alvarado, Carolina Cobian, Joanna Ramirez and Saul Ramirez  
Undergraduate  
Department of Psychology  
**Faculty Mentor:** Yolanda Vasquez-Salgado and Shu-Sha Angie Guan  
**Title of Presentation:** Collectivistic Motives and Physical Distress in a Sample of Underrepresented STEM and non-STEM University Freshmen

David Diaz  
Undergraduate  
Department of Environmental and Occupational Health  
**Faculty Mentor:** Edward Jackiewicz  
**Title of Presentation:** Whats in the Air?

Zabrina Legarda and Lauren Knox  
Undergraduate  
Department of Psychology  
**Faculty Mentor:** Stefanie Drew  
**Title of Presentation:** Zoom me up, Scotty: Examining the effects of videoconferencing on Anxiety and Depression

Nidah Mohammed  
Undergraduate  
Department of Psychology  
**Faculty Mentor:** Stefanie Drew and Sara Berzenski  
**Title of Presentation:** Time to Unplug: Screen Time’s Effects on Visual Fatigue

Courtney Penley  
Undergraduate  
Department of Cinema and Television Arts  
**Faculty Mentor:** Jon Stahl and Sara Aquino  
**Title of Presentation:** Female Representation in Film, Second Wave Feminism and Future Outlooks on Gender Nonconformity During Postfeminism

Sanjiti Sharma and Lauren Knox  
Undergraduate  
Department of Psychology  
**Faculty Mentor:** Stefanie Drew and Sara Berzenski  
**Title of Presentation:** The Relationships between Mindfulness, Anxiety, and Technology Dependence

Gabrielle Tupaz, Alfredo Santiago and Olivia Ramos Jacquez  
Undergraduate  
Department of Psychology  
**Faculty Mentor:** Stefanie Drew  
**Title of Presentation:** If You’re Anxious And You Know It, Put Down The Screen: Measuring Online Learning Multitasking Preferences In Relation To Anxiety

Poster Group 12  
Undergraduate, Completed  
Colleges of Engineering and Computer Science & Science and Mathematics

Melissa Aros-No Longer Presenting  
Undergraduate  
Department of Chemistry and Biochemistry  
**Faculty Mentor:** Michael Vendrasco  
**Title of Presentation:** Pb and Cd contamination in the Los Angeles County

Kit Cheung  
Undergraduate  
Department of Chemistry and Biochemistry  
**Faculty Mentor:** Veronica Jaramillo  
**Title of Presentation:** The determination and analysis of bleaching of green dye, a mixture dyes, through visible spectroscopy

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Brian Espinoza, James Kok, Jonathan Ortiz and Abanob Saaman  
Undergraduate  
Department of Mechanical Engineering  
Faculty Mentor: Peter Bishay  
Title of Presentation: Design & Analysis of a Camber-Morphing Unmanned Aerial Vehicle

Jeremy Reyna, Nelson Richardson and Waheedah Akberzie  
Undergraduate  
Department of Mechanical Engineering  
Faculty Mentor: Peter Bishay  
Title of Presentation: Hercules: an affordable lightweight transradial prosthetic arm with foot controller, tactile feedback and wrist rotation capabilities

Kimberly Franco  
Undergraduate  
Department of Biology  
Faculty Mentor: Ray Hong  
Title of Presentation: A Correlation Between Chemotaxis Response and Dauer Formation in Nematodes

Emily Rukstales  
Undergraduate  
Department of Biology  
Faculty Mentor: Kerry Nickols  
Title of Presentation: Microplastic Accumulation in Tidepools

Michael Kolden and Maria Adjamoglian  
Undergraduate  
Department of Biology  
Faculty Mentor: Jeremy Yoder  
Title of Presentation: Diversity of weeds in parks of Los Angeles, CA: potential ecological and socioeconomic factors

Valerie Vaca  
Undergraduate  
Department of Chemistry and Biochemistry  
Faculty Mentor: Jessica Vey  
Title of Presentation: DszC in the 4S pathway

Poster Group 13  
Undergraduate, Preliminary  
Colleges of Engineering and Computer Science, Business and Economics, Health and Human Development & Social and Behavioral Sciences

Shelby Becker, Lorena Melendez, Violeta Jimenez and Caroline Plaza  
Undergraduate  
Department of Family and Consumer Sciences  
Faculty Mentor: Nelida Duran  
Title of Presentation: Exploring Values and Attitudes of Nutritional Genomics in Latino with Diabetes.

Natalie Mendoza and Holly Lin  
Undergraduate  
Department of Child and Adolescent Development  
Faculty Mentor: Kandice Grote  
Title of Presentation: Uncovering the Bilingual Experience: Identifying Perceptions and Motivations of Language Learning

Isaac Chavez  
Undergraduate  
Department of Mechanical Engineering  
Faculty Mentor: Shadi Mahjoob  
Title of Presentation: Performance Study of Low Reynolds Number Eppler 423 Airfoil

Yvette Salgado, Dylan Bellusci, Wendy Velazquez and Alina Gharibkhanyan  
Undergraduate  
Department of Psychology  
Faculty Mentor: Chunying Jin and Tara Fahmie  
Title of Presentation: Prevention of Emerging Problem Behavior in Children with Autism Spectrum Disorder

Almaas Jalal  
Undergraduate  
Department of Systems and Operations Management  
Faculty Mentor: Amir Gharehgozli  
Title of Presentation: Student Association Management at a Public University: the Case of MSA
Poster Group 14
Undergraduate, Preliminary
College of Science and Mathematics

Maria Isabel Chosco
Undergraduate
Department of Biology
Faculty Mentor: Sean Murray
Title of Presentation: Overexpression of a bacterial efflux pump causing multidrug resistance and reduced motility in Caulobacter crescentus

Justina Gorgy
Undergraduate
Department of Chemistry and Biochemistry
Faculty Mentor: Ravinder Abrol
Title of Presentation: The Role of SDF-1 in Biased Signaling of CXCR4 and Atypical ACKR3 Chemokine Receptors

Manuel Holguin and Justice Mena
Undergraduate
Department of Chemistry and Biochemistry
Faculty Mentor: Taeboem Oh
Title of Presentation: Chiral axis of benzimidazole derivatives

Ariel Rayas
Undergraduate
Department of Biology
Faculty Mentor: Anna Bezryadina
Title of Presentation: Can mycelium be the next generation of the light-guiding material?

Claudia Sanchez Rea
Undergraduate
Department of Biology
Faculty Mentor: Nyssa Silbiger
Title of Presentation: The Effect of Coral Bleaching on Macroalgal and Coral Competition in Mo’orea

Alina Simonyan and Alondra Rosas
Undergraduate
Department of Biology
Faculty Mentor: David Bermudes
Title of Presentation: Development of an assay to detect matrix metalloproteiinase inhibitors expressed by tumor-targeted Salmonella

Johnny Vertiz
Undergraduate
Department of Biology
Faculty Mentor: Ray Hong
Title of Presentation: Ablation and Silencing of Chemosensory Neurons to Study Behavior
Acknowledgments

College Liaisons

Dr. Casey terHorst, Department of Biology
Dr. Elizabeth Sussman, Department of Family & Consumer Sciences
Dr. Stefanie Drew, Department of Psychology

With special thanks to the following:

Wendy Brown-Danks, Events Coordinator
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Hedy Carpenter
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