24TH ANNUAL RESEARCH & CREATIVE WORKS SYMPOSIUM

CSUNposium

A STUDENT SHOWCASE

MARCH 27, 2020
8:00 AM - 4:00 PM

CALIFORNIA STATE UNIVERSITY, NORTHridge
March 27, 2020

Dear Student Participants, Faculty and Staff:

Welcome to the 24th Annual CSUNposium at California State University, Northridge. We are pleased you have taken the opportunity 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 students' 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. In fact, the National Science Foundation ranks CSUN as one of the nation's top rated master's degree granting institutions for graduating students who later earn doctorates in Psychology, Science, Engineering, and Biology. Our commitment to traditionally underserved students is notable as well. According to the Hispanic Outlook in Higher Education, CSUN is ranked second in the nation for awarding Hispanic students degrees in Liberal Arts and Humanities, third in Psychology, fourth in Communication Studies and Journalism and fifth in both Social Sciences and Visual and Performing Arts. Research and creative activity are essential to achievement in these programs.

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

Dianne F. Harrison
President

Mary Beth Walker
Provost and Vice President for Academic Affairs

Amy Levin
Asst. Vice President, Graduate Studies

Sheree Schrager
Sr. Director, Research & Sponsored Programs
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Morning Poster Presentations 30

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Schedule of Events
Friday, March 27, 2020

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

8:30 AM  Morning 10-Minute Oral Presentations
Session 1 Colleges of S&M and S&BS         Via Zoom
Session 2 Colleges of S&M and CECS          Via Zoom
Session 3 Colleges of CECS, S&BS, and S&M   Via Zoom
Session 4 Colleges of HHD and AMC           Via Zoom
Session 5 Colleges S&BS and HUM             Via Zoom
Session 6 College S&M                      Via Zoom
Session 7 College of S&M                   Via Zoom
Session 8 Colleges of S&BS, S&M and HHD     Via Zoom
Session 9 College of S&M                   Via Zoom
Session 10 Colleges of S&BS and HUM         Via Zoom

8:30 AM  Morning/Afternoon Poster Presentation       Via CSUNbox

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

10:30 AM  3-Minute Oral Presentations
Session 5 All Disciplines- Undergraduates    Via Zoom
Session 6 All Disciplines- Undergraduates    Via Zoom

12:30 PM  Afternoon 10-Minute Oral Presentations
Session 11 Colleges of S&BS, AMC, EDU and HUM Via Zoom
Session 12 Colleges of AMC, S&M and S&BS      Via Zoom
Session 13 College of HHD                    Via Zoom
Session 14 Colleges of AMC, S&BS, and HUM     Via Zoom
Session 15 College of S&M                    Via Zoom
Session 16 College of CECS                   Via Zoom
Session 17 College of S&M                    Via Zoom
Session 18 College of S&M                    Via Zoom
Session 19 College of S&M                    Via Zoom
Session 20 Colleges of S&BS and HUM           Via Zoom
Session 21 College of HHD                    Via Zoom

Unfortunately, there will not be an awards ceremony for this CSUNposium. You will be notified via email of the session winners the week after the CSUNposium.

Faculty Mentors

By College

Arts, Media & Communication
Ah-Jeong Kim
Doug Kaback
Joe Bautista
Jose Luis Benavides
Lesley Krane
Mark Richman
Melissa Wall
Patsy Cox
Richard Chambers
Samantha Fields

Business & Economics
Nanci Carr
Qin Sun

Education
Merril Simon

Engineering & Computer Science
Christoph Schaal
David Boyajian
Katya Mkrtchyan
Maryam Tabibzadeh
Peter Bishay
Robert Conner
Tadeh Zirakian
Tzong-Ying Hao

Health & Human Development
Annette Besnilian
Barbara Lang
Bobbie Emetu
Claudia Toledo-Corral
Danielle Jarvis
Dena Herman
Elizabeth Sussman
Jacob Hinkel-Lipsker
Janna Beling
Kacie Blackman
Kandice Grote
Karmen Ovseyyan
Katherine McNamara
Lawrence Chu
Myriam Forster
Nelida Duran
Nola Kennedy
Ovande Furtado

Humanities
Adrian Perez-Boluda
Alicia Estrada
Axel Montepeque
Breny Mendoza
Charles Hatfield
Edith Chen
Heidi Schumacher
Jennifer Lee
Laura Hirrel
Lauren Byler
Leilani Hall
Ramon Garcia
Tineke Scholten
Tracy Buenavista

Other
Andrew Kinkella
Hemal Patel
Jana Hirsch
Michael Teitell
Victoria Risbrough

Science & Math
Adriano Zambon
Ana Cristina Cadavid
Anna Bezyradina
Brenton Hammer
Brian Zid
Bruce Shapiro
Carol Shubin
Casey terHorst
Cheryl Van Buskirk
Cindy Malone
Cristian Ruiz-Rueda
Crystal Rogers
Daniel Tamae
David Bermudes
David Gray
Debi Prasad
Choudhary
Eileen Evans
Elena Miranda
Eric Kelson
Farzad Amin
Fritz Hertel
Gagik Melikyan
Gilberto Flores
Hendrik Postma
Jeanne Robertson
Jennifer Cotton
Jeremy Yoder
Jessica Vey
Jonathan Kelber
Jonathan Lin
Jorge Iniguez
Joseph Teprovich
Josh Schwartz
Juan Hertz
Karim Crowhurst
Kathleen Marsaglia
Kerry Nichols
Larry Allen
Li Ye
Lisa Banner
Luca Ricci
Mads Andersen
Maria Elena De Bellard
Mariano Loza Coll
Mark Steele
Melissa Takahashi
Michael Franklin
Nyssa Silbiger
Paula Fischhaber
Paula Schifffman
Priya Ganguli
Rachel Mackelprang
Ray Hong
Richard Heermance
Robert Carpenter
Robert Espinoza
Scott Hauswirth
Sean Murray
Simon Garrett
Steven Dudgeon
Tae Oh

Social & Behavioral Sciences
Alyssa Arentoft
Amalie Orme
Andrew Ainsworth
Bradley McAuliff
Carrie Saetermoe
Cedric Hackett
Chinhisin Liu
Christina Von
Mayrhauser
David McCarty-Caplan
Debbie Ma
Debra Berry Malmberg
Edward Jackiewicz
Elie Bartle
Elise Fenn
Gabriela Chavira
Ioana Schmidt
James Decker
James Snead
Jill Quilici
Jill Razani
Jodi Brown
Judith Debonis
Justin Kantner
Kimberly Kirner
Lauren McDonald
Lori Campbell
Meeta Banerjee
Moshoula Capous
Nayan Ramirez
Omar Ruvalcaba
Sanchayeeta Adhikari
Scott Plunkett
Stacy Missari
Stefanie Drew
Stephanie Hood
Sun-mee Kang
Suzanne Scheld
Tara Fahmie
Thomas Chan
Wendy Ashley
Yolanda Vasquez-Salgado

Tim Karels
Tyler Luchko
Veronica Jaramillo
Xu Zhang
Yoshie Hanzawa
CSUNposium Judges
(By college)

Arts, Media & Communication
Dianah Wynter
Candice Greathouse
Kristin Taylor

Business & Economics
Drew Foley
Hilary Silva
Nora Moran
Silvina Bamrunpong
Qin Sun

Education
Tovah Sands
Mira Pak

Engineering & Computer Science
Anwar Alroomi
Crist Khachikian
David Boyajian
Jamie Booth
John Valdovinos
Kyle Dewey
Maryam Tabibzadeh
Nerces Kazandjian
Sami Maalouf
Shadi Mahjoob
Tadeh Zirakian
Tzong-Ying Hao
Vidya Nandikolla
Xiaojun Geng

Health & Human Development
Amada Blake
Bethany Rainisch
Christopher James Rogers
Dena Herman
Elizabeth Sussman
Hessam Ghamari
Justin Nicoll
Kandice Grote
Kim Henige
Lawrence Chu
Myriam Foster
Nelida Duran
Nola Kennedy
Ovande Furtado
Patchareeeya Kwan
Randy Farber
Rika Meyer
Rodica Kohn
Rosalia Garcia-Torres
Shu-Sha Angie Guan
Stephanie Benjamin
Steven Stumpf
Suzanne Spear
William Whiting
Yugandhar Ramakrishna

Humanities
Ellen Jarosz
Hyung-Jo Yoon
Jennifer Lee
Junliang Huang
Laura Ruth-Hirrel
Luiz Mendez
Tim Watson

Office of Graduate Studies
Amy Levin

Office of Research & Sponsored Programs
Angel VasquezLozado
Bianca Gantt
Charlene Manzueta
Jennifer Bloom
Laura Serrano
Michael Epping
Sheree Schrager
Sherrie Hixon
Shirley Lang

Social & Behavioral Science
Boris Ricks
David M Carty-Caplin
Debbie Ma
Elise Fenn
Ellis Godard
Jose Vargas
Judith DeBonis
Justin Kantner
Katherine Lorenz

Maggie Shiffra
March Glidden
Meeta Banerjee
Nayan Ramirez
Que Lam Huynh
Rachel Giraudo
Rachel Howes
Sara Berzenski
Stefanie Drew

Science & Math
Adriano Zanin Zombom
Bobby Espinoza
Casey terHorst
Cheryl VanBuskirk
Chhandek Basu
Christian Ruiz-Rueda
Christina Mayberry
Cindy Malone
Dana Harmon
Farhana Runa
Gini Vandergon
James Hogue
Jeanne Robertson
Jessica Vey
Jing Li
Kah Chun Lau
Karim Crowhurst
Kerry Nickols
Li Ye
Lili Khademipur
Mariano Loza-Coll
Melissa Takahasi
Mia Adreani
Paul Wilson
Paula Fischhaber
Priya Ganguli
Ravi Abrol
Sarah Traiger
Simon Garrett
Xu Zhang
Yohannes Shiferaw
Yoshie Hanzawa
3-Minute Oral Presentation Session 1
Graduate Students, Completed Stage, Via Zoom (8:30 AM - 9:18 AM)

8:30 AM
Sylvia Aquino and Marcus Strum
Graduate, Department of Psychology
Faculty Advisor: Stephanie Hood
Title of Presentation: Descriptive assessment of active listening and topics for initiating future conversations.

8:36 AM
Katherine Hannibal
Graduate, Department of Biology
Faculty Advisor: Steve Dudgeon
Title of Presentation: Disappearing Coastlines: Impacts of Ocean Acidification and The Invasion of Dasysiphonia japonica on Mytilus edulis.

8:42 AM
Christopher Meisenholder - NO LONGER PRESENTING
Graduate, Department of Linguistics/TESL
Faculty Advisor: Christina Scholten
Title of Presentation: Southern Californians' perceptions of non-native English speakers

8:48 AM
Damaris Perez
Graduate, Department of Psychology
Faculty Advisor: Debra Berry Malmberg
Title of Presentation: Evaluating Group Contingencies in an Online Psychology Course

8:54 AM
Adrienne Sacks
Graduate, Department of Art
Faculty Advisor: Samantha Fields
Title of Presentation: Found Kinetic Sculpture

9:00 AM
Jonathan Watts
Graduate, Department of Health Sciences
Faculty Advisor: Myriam Forster
Title of Presentation: Social Support as a Buffer Between Adverse Childhood Experiences and Compromised Mental Health in Early Adulthood

9:06 AM
Essence Wilson and Jesus Delgado
Graduate, Department of Psychology
Faculty Advisor: Andrew Ainsworth
Title of Presentation: Multi-group Factor Analysis on the Perception of Ethnic Diversity in the University Academic Setting between Underrepresented Minority Students (URM) and Non-Underrepresented Minority Students (NURM)

9:12 AM
Credell Jackson
Graduate, Department of Social Work
Faculty Advisor: Judith Debonis
Title of Presentation: Has the Indian Child Welfare Act of 1978 Reduced Disproportionality for Native American Children in Foster Care?
<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter(s)</th>
<th>Department/Advisor</th>
<th>Title of Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 AM</td>
<td>Hamaliya Hotaki</td>
<td>Department of Social Work</td>
<td>Student Homelessness</td>
</tr>
<tr>
<td>8:42 AM</td>
<td>Walter Bowles</td>
<td>Department of Social Work</td>
<td>Substance Use Outcomes of Payee Program Clients</td>
</tr>
<tr>
<td>8:48 AM</td>
<td>Matt Brugger - NO LONGER PRESENTING</td>
<td>Department of Art</td>
<td>What's this do?</td>
</tr>
<tr>
<td>8:54 AM</td>
<td>Victoria Scotti-NO LONGER PRESENTING</td>
<td>Department of Anthropology</td>
<td>County Line Beach, California: A Microcosm of Natural Public Space in an Increasingly Urban World</td>
</tr>
<tr>
<td>9:00 AM</td>
<td>Sara Stallings</td>
<td>Department of Anthropology</td>
<td>Terminal Island: A Melting Pot of the Fishing Community</td>
</tr>
<tr>
<td>9:30 AM</td>
<td>Angel Arizpe, Tiffany Chapman and Idania Brown</td>
<td>Department of Health Sciences</td>
<td>Stressors and Sleep Quality and Duration Among Young Adults at Risk of Type 2 Diabetes.</td>
</tr>
<tr>
<td>9:36 AM</td>
<td>Tiffany Chapman, Angel Arizpe, and Idania Brown</td>
<td>Department of Health Sciences</td>
<td>Association Between Sleep Quality, Body Adiposity, and Depressive Symptomology Among Multi-Ethnic Young Adults at Risk of Type 2 Diabetes and Depression</td>
</tr>
<tr>
<td>9:42 AM</td>
<td>Carleen Couture Evans</td>
<td>Department of Communication Disorders and Sciences</td>
<td>Literacy outcomes in children who are deaf or hard-of-hearing</td>
</tr>
<tr>
<td>9:48 AM</td>
<td>John Ghattas</td>
<td>Department of Kinesiology</td>
<td>The Effects of Different Foot Tracking Methods on Lower Extremity Biomechanical Data</td>
</tr>
<tr>
<td>Time</td>
<td>Presenter/Title/Advisor</td>
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<tr>
<td>9:54 AM</td>
<td>Matthew Ledesma: Stimuli Responsive Polymers, Brenton Hammer</td>
<td></td>
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<tr>
<td>10:00 AM</td>
<td>Jasmin Rodriguez: Life rebalanced, Yugandhar Ramakrishna</td>
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</tr>
<tr>
<td>10:06 AM</td>
<td>Emily Woods: Cultivated versus Native Soybean, Yoshie Hanzawa</td>
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<tr>
<td>10:06 AM</td>
<td>Rosalia Rojas and Iridian Jimenez: Child Chronic Pain: Does Type of School Matter?</td>
<td></td>
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<tr>
<td>10:06 AM</td>
<td>Bianca Talebian: Can we fly an airplane with wings that change their shape inflight?</td>
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</tr>
</tbody>
</table>

### 3-Minute Oral Presentation Session 4
Undergraduate Students, Completed Stage, Via Zoom (9:30 AM- 10:24 AM)

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter/Title/Advisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:30 AM</td>
<td>Yvette de la Vega: The Yellow Wallpaper: A Diary of a Madwoman, Heidi Schumacher</td>
</tr>
<tr>
<td>9:36 AM</td>
<td>Thomas Parashos: Towards Semi-Automatic Category Deduplication, Bruce Shapiro</td>
</tr>
<tr>
<td>9:42 AM</td>
<td>Ivan Salinas: Urban Pacheco: A multimedia poetry book on the subject of cannabis, Ramon Garcia</td>
</tr>
<tr>
<td>9:48 AM</td>
<td>Rabia Billoo: Regulating Mitochondrial Protein Production, Brian Zid</td>
</tr>
</tbody>
</table>
10:12 AM
Serly Tomas and Alina Shahin-NO LONGER PRESENTING
Undergraduate, Department of Chemistry
Faculty Advisor: Veronica Jaramillo
**Title of Presentation:** Utilizing X-Ray Fluorescence to analyze the heavy metal composition in makeup of varying price ranges

10:18 AM
Nicole Babayans
Undergraduate, Department of Chemistry and Biochemistry
Faculty Advisor: Gagik Melikyan
**Title of Presentation:** Toward new generations of estrogen mimics: Cobalt-assisted stereoselective synthesis of cyclopentanes and indanes

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**3-Minute Oral Presentation Session 5**
Undergraduate Students, Preliminary Stage, Via Zoom (10:30 AM-11:12 AM)

10:30 AM
David Diaz
Undergraduate, Department of Environmental and Occupational Health
Faculty Advisor: Edward Jackiewicz
**Title of Presentation:** What's in the Air? Assessing the Concentration of Fine Particulate Matter in the Eastern San Fernando Valley

10:36 AM
Aileen Kangavary
Undergraduate, Department of Psychology
Faculty Advisor: Stefanie Drew
**Title of Presentation:** The Relationship Between Threat-Learning and Defensive Responding Associated with PTSD in Veterans

10:42 AM
Adelaine Libao and Celest Garcia
Undergraduate, Department of Health Sciences
Faculty Advisor: Kacie Blackman
**Title of Presentation:** Creating a Coding Tool for Lactation Policies

10:48 AM
Gabriella Mendoza
Undergraduate, Department of Psychology
Faculty Advisor: Omar Ruvalcaba
**Title of Presentation:** I belong here: Instrumentality and Exclusion Predict a Sense of Belonging for Underrepresented Students in Research Teams

10:54 AM
Gloria Larios-NO LONGER PRESENTING
Undergraduate, Department of Chicano/a Studies
Faculty Advisor: Heidi Schumacher
**Title of Presentation:** Afirmando su voz

11:00 AM
Shakeel Madhav
Undergraduate, Department of Mechanical Engineering
Faculty Advisor: Peter Bishay
**Title of Presentation:** Hall & Oates mechanical computer in prosthetic hand design

11:06 AM
Marie Olguin
Undergraduate, Department of Family and Consumer Sciences
Faculty Advisor: Dena Herman
**Title of Presentation:** Improving Adolescents' Eating Habits and Attitudes Toward Healthy Eating Though Community Cooking Education
3-Minute Oral Presentation Session 6  
Undergraduate Students, Preliminary Stage, Via Zoom (10:30 AM- 11:06 AM)  

10:30 AM  
Nicole Bisente  
Undergraduate, Department of Biology  
Faculty Advisor: Robert Espinoza  
**Title of Presentation:** A continental survey of morphological variation among invasive house gecko populations

10:36 AM  
Natalie Castillo  
Undergraduate, Department of Biology  
Faculty Advisor: Robert Espinoza  
**Title of Presentation:** A comparison of life-history strategies between native and invasive species in Southern California

10:42 AM  
Jesse Jones  
Undergraduate, Department of Biology  
Faculty Advisor: David Gray  
**Title of Presentation:** Methods for Song Analysis of Local Chorus Frog

10:48 AM  
Manjot Kaur—NO LONGER PRESENTING  
Undergraduate, Department of Chemistry and Biochemistry  
Faculty Advisor: Nola Kennedy  
**Title of Presentation:** Nanoparticles to challenge Viability of cells

10:54 AM  
Andrew St. Julian—NO LONGER PRESENTING  
Undergraduate, Department of Biology  
Faculty Advisor: Robert Espinoza  
**Title of Presentation:** Testing the role of hindgut microbial symbionts on growth of an herbivorous reptile

11:00 AM  
Taylor Hardin  
Undergraduate, Department of Chemistry and Biochemistry  
Faculty Advisor: Jessica Vey  
**Title of Presentation:** Flavin binding affinity and initial kinetic characterization of DnmZ, a flavin-dependent N-oxygenase
**10-Minute Oral Presentation Session 1**

 Colleges of Science & Math and Social & Behavioral Sciences, Completed, Via Zoom  
(8:30 AM - 11:00 AM)  
Theme: Nature

8:30 AM  
**Chelsea Brisson**  
Graduate, Department of Biology  
Faculty Advisor: Casey TerHorst and Gilberto Flores  
**Title of Presentation:** The Effects of Microbial Communities on Symbiotic Coral-Associated Microalgae Genotypes

8:50 AM  
**Anthony Downey**  
Graduate, Department of Geological Science  
Faculty Advisor: Richard Heermance  
**Title of Presentation:** Glacial Retreat during the Last Glacial Maximum in Hope Valley, Sierra Nevada, California

9:10 AM  
**Jennifer Fields**  
Graduate, Department of Biology  
Faculty Advisors: Nyssa Silbiger  
**Title of Presentation:** Cascading impacts of foundation species loss on ecosystem functioning within Oregon rocky intertidal

9:30 AM  
**Demetra Panos**  
Graduate, Department of Biology  
Faculty Advisors: Kerry Nickols  
**Title of Presentation:** In situ community contributions to benthic biogeochemistry in temperate rocky reefs

9:50 AM BREAK

10:00 AM  
**Trevor Ruppert**  
Graduate, Department of Biology  
Faculty Advisor: Robert Espinoza  
**Title of Presentation:** Phylogeographic analyses and field survey reveal origin and update distribution of an invasive amphibian in Southern California

10:20 AM  
**Kathryn Scafidi**  
Graduate, Department of Biology  
Faculty Advisor: Mark Steele  
**Title of Presentation:** The effects of an invasive alga on the trophic dynamics of temperate rocky reefs

10:40 AM  
**Jonathan Tejeda**  
Graduate, Department of Geography  
Faculty Advisors: Amalie Orme  
**Title of Presentation:** Assessing Differential Tree Mortality in juniper woodlands: the relationship of spatial structures to tree size class
10-Minute Oral Presentation Session 2
Colleges of Science & Math and Engineering & Computer Science, Preliminary/Proposal,
Via Zoom (8:30 AM - 10:30 AM)

8:30 AM
Chasen Shaw
Graduate, Department of Physics and Astronomy
Faculty Advisor: Xu Zhang
Title of Presentation: Using TDDFT Simulations to Supplement STM and TERS measurements of Rubrene on an Ag (100) substrate

8:50 AM
Alison Franco
Graduate, Department of Geological Science
Faculty Advisor: Kathleen Marsaglia
Title of Presentation: Sand sources and routing options along the Hikurangi Margin: Using MARGINS source-to-sink results from the Waipaoa Sedimentary System to interpret Quaternary forearc and trench successions drilled on IODP Expeditions 372 and 375

9:10 AM
Hafridha Hadi
Graduate, Department of Chemistry and Biochemistry
Faculty Advisor: Paula Fischhaber
Title of Presentation: Cell Cycle-Dependent Cleaving of Holliday Junctions via Yen1

9:30 AM
James Martinez
Graduate, Department of Mechanical Engineering
Faculty Advisor: Peter Bishay
Title of Presentation: Reliability analysis of smart composite plates using computational intelligence methods

9:50 AM
Jane Odango
Graduate, Department of Chemistry and Biochemistry
Faculty Advisor: Paula Fischhaber
Title of Presentation: The effects of varying DNA flap length from 20 to 50 deoxynucleotides on the mechanism of single-strand annealing in Saccharomyces cerevisiae

10:10 AM
Misael Sanchez and Alireza Tavassoli
Graduate, Department of Chemistry and Biochemistry
Faculty Advisor: Jessica Vey
Title of Presentation: Preliminary Biochemical Characterization of Flavin Dependent Monooxygenase DszA
10-Minute Oral Presentation Session 3
Colleges of Engineering & Computer Science, Social & Behavioral Sciences and Science &
Math, Completed, Via Zoom (8:30 AM - 11:00 AM)
Theme: Automation, Technology + Design

8:30 AM
Tommy MacLennan and Adam Schlup
Undergraduate, Department of Mechanical Engineering
Faculty Advisors: Peter Bishay
Title of Presentation: MataMorph 2: A new experimental UAV with twist-morphing wing and camber-morphing tail stabilizers

8:50 AM
Christina Marie Seeholzer and Samuel Ayala
Undergraduate, Department of Mechanical Engineering
Faculty Advisors: Peter Bishay
Title of Presentation: A new transradial prosthetic arm design with tactile feedback and adaptive gripping capabilities

9:10 AM
Artur Balyan and Heriberto Aguilera
Undergraduate, Department of Mechanical Engineering
Faculty Advisors: Christoph Schaal
Title of Presentation: Multi-Axis High Precision Positioning System For Nondestructive Testing

9:30 AM
Jennifer De Avila, Gerardo Reyes, Paul Ginter and Debbie Altamirano
Undergraduate, Department of Civil Engineering and Construction Management technology
Faculty Advisors: Tzong-Ying Hao
Title of Presentation: Design, analysis, and experimental testing of earthquake resilient buildings in San Diego

9:50 AM BREAK

10:00 AM
Kirill Evseev
Undergraduate, Department of Mathematics
Faculty Advisors: Carol Shubin
Title of Presentation: Finding the best predictor of college success

10:20 AM
Jonathan Lacanlale
Undergraduate, Department of Computer Science
Faculty Advisors: Gabriela Chavira
Title of Presentation: Towards Semi-Automatic Embedded Data Type Inference

10:40 AM
Alice Sin and Kimberly Hernandez Ramos
Undergraduate, Department of Psychology
Faculty Advisors: Elise Fenn
Title of Presentation: Source Credibility More Impactful Than Nonprobative Cues on the Spread of Misinformation Online
10-Minute Oral Presentation Session 4
Colleges of Health & Human Development and Arts, Media & Communication, Completed,
Via Zoom (8:30 AM - 11:20 AM)

8:30 AM
Donald Brolsma
Graduate, Department of Kinesiology
Faculty Advisors: Taeyou Jung and Teri Todd
Title of Presentation: People with Disabilities Perception of Quality of Life After Participation in a Student Service-Learning Program

8:50 AM
Frida Endinjok and Melissa Martinez
Graduate, Department of Health Sciences
Faculty Advisors: Claudia Toledo-Corral and Annette Besnilian
Title of Presentation: Relationship between perceived stress and dietary behaviors in college students

9:10 AM
Tirsa Delate
Graduate, Department of Art
Faculty Advisors: Lesley Krane
Title of Presentation: Collectively Dancing Alone in the Landscape

9:30 AM
Isaiah Lachica
Graduate, Department of Kinesiology
Faculty Advisors: Jacob Hinkel-Lipsker and Thomas Chan
Title of Presentation: Effects of Action-Relevant Sensory Cues on Parkinsonian Gait

9:50 AM BREAK

10:00 AM
Devin Bulkley
Graduate, Department of Kinesiology
Faculty Advisors: Danielle Jarvis
Title of Presentation: The Influence of Fatigue on Postural Control in Dancers

10:20 AM
Nasim Moattar
Graduate, Department of Music
Faculty Advisors: Mark Richman
Title of Presentation: Eusebius, Florestan, and Other Friends: Robert Schumann’s Use of Literary Figures in His Writings and Piano Compositions

10:40 AM
Desiree Ramos
Graduate, Department of Journalism
Faculty Advisors: Richard Chambers and Melissa Wall
Title of Presentation: Understanding PTSD Through Veterans

11:00 AM
Mia Risberg, Michelle Alcantara, Isabella Agyapong and Christina Saucedo
Graduate, Department of Health Sciences
Faculty Advisors: Stephan Chung
Title of Presentation: Longitudinal Study of Association of E-Cigarette Use with Smoking Initiation, Cessation, and Reduction among adolescents and young adults
10-Minute Oral Presentation Session 5
Colleges of Social & Behavioral Sciences and Humanities, Completed, Via Zoom
(8:30 AM - 11:20 AM)

8:30 AM
Betsaira Aguilera
Undergraduate, Department of Gender and Women's Studies
Faculty Advisors: Heidi Schumacher
Title of Presentation: Violence and Women's Political Engagement

8:50 AM
Gianne Braza
Undergraduate, Department of English
Faculty Advisors: Leilani Hall
Title of Presentation: Feminist Revisionist Myth-making: Rewriting Mythic Female Characters into Roles of Agency

9:10 AM
Kelly De Leon
Undergraduate, Department of Central American Studies and Chicana/o Studies
Faculty Advisors: Ramon Garcia
Title of Presentation: Resistance and Survival: Queer/ Cuir and Transgender Art Performances in Guatemala City

9:30 AM
Kevin Ginosian
Undergraduate, Department of English
Faculty Advisors: Jennifer C. Lee
Title of Presentation: Value Vortex: Values in Contemporary Hip-Hop Spreading on Social Media

9:50 AM BREAK

10:00 AM
Clarissa Campos-NO LONGER PRESENTING
Undergraduate, Department of Sociology
Faculty Advisors: Lori Campbell
Title of Presentation: Becoming and Activist: Carceral Trauma and Identity Transformation in Prison Reform

10:20 AM
Rafael Linos
Undergraduate, Department of Political Science
Faculty Advisors: Heidi Schumacher
Title of Presentation: Theorizing the Relationship Between Same-Sex Marriage and Religion

10:40 AM
Alana Parks
Undergraduate, Department of Psychology
Faculty Advisors: Justin Kantner
Title of Presentation: Cross-Language Activation in Bilinguals

11:00 AM
Kevin Ramirez
Undergraduate, Department of History
Faculty Advisors: Alicia Estrada
Title of Presentation: Systematic Oppression: How the Salvadoran Government Influenced the Desertion of Child Soldiers
10-Minute Oral Presentation Session 6
College of Science & Math, Preliminary/Proposal, Via Zoom (8:30 AM - 11:20 AM)

8:30 AM
Matt Wallace
Graduate, Department of Biology
Faculty Advisors: Jonathan Kelber
Title of Presentation: Function and Mechanism of ITGA1-Dependent Adhesion During TERS in Pancreatic Cancer

8:50 AM
Juan Aragon
Graduate, Department of Biology
Faculty Advisor: Robert Espinoza
Title of Presentation: Widow wars: Does thermophysiology explain the invasion success and competitive dominance of Brown Widows on two continents?

9:10 AM
Elliott Bloom
Graduate, Department of Biology
Faculty Advisor: Fritz Hertel
Title of Presentation: Ecomorphology and Character Displacement of Sympatric Penguins

9:30 AM
Jeffrey Esparza
Graduate, Department of Biology
Faculty Advisor: Fritz Hertel
Title of Presentation: Niche segregation of armadillos in the southern Pantanal

9:50 AM BREAK

10:00 AM
Brian Cohn
Graduate, Department of Biology
Faculty Advisor: Kerry Nickols
Title of Presentation: Effects of an epiphytic bryozoan on the photosynthetic rate of the giant kelp Macrocystis pyrifera

10:20 AM
Armen Khanbabaei
Graduate, Department of Biology
Faculty Advisor: Mariano Loza-Coll
Title of Presentation: Characterization of Downstream Targets of Intestinal Stem Cell Master Regulators

10:40 AM
Lina Segura
Graduate, Department of Biology
Faculty Advisor: Mariano Loza-Coll
Title of Presentation: Effects of inhibiting the master regulator genes Escargot and Stat in Drosophila melanogaster intestinal stem cells

11:00 AM
Dulce Alvarado
Graduate, Department of Biology
Faculty Advisor: Cindy Malone
Title of Presentation: Characterization of the EIF4B Putative Promoter Region
10-Minute Oral Presentation Session 7
College of Science & Math, Preliminary/Proposal, Via Zoom (8:30 AM - 10:10 AM)

8:30 AM
Juan Cardenas - NO LONGER PRESENTING
Undergraduate, Department of Biology
Faculty Advisor: Ray Hong
Title of Presentation: Discovering which genes protect nematodes from odor-based paralysis

8:50 AM
Jennifer Ordonez
Undergraduate, Department of Biology
Faculty Advisor: Cindy Malone
Title of Presentation: Characterizing TLE1 Promoter Region

9:00 AM
Genesis Robles - NO LONGER PRESENTING
Undergraduate, Department of Biology
Faculty Advisor: Cindy Malone
Title of Presentation: Characterizing the role of lactate dehydrogenase (LDH) in melanocyte stem cell (MeSC) homeostasis

9:30 AM
Alessandra Serrano
Undergraduate, Department of Biology
Faculty Advisor: Cindy Malone
Title of Presentation: Characterization of the Forkhead Box R1 Promoter Region

9:50 AM
Alanis Hernandez
Undergraduate, Department of Biology
Faculty Advisor: Cristian Ruiz- Rueda
Title of Presentation: Probing interactions between genes in the vancomycin-resistance operon
10-Minute Oral Presentation Session 8
Colleges of Social & Behavioral Sciences, Science & Math and Health & Human Development,
Preliminary/Proposal, Via Zoom (8:30 AM - 11:40 AM)
Theme: Human Health

8:30 AM
Dezerey Escanuelas
Undergraduate, Department of Biology
Faculty Advisor: Cindy Malone
**Title of Presentation:** Using Brain Organoids to Model the SCN8A Mutation Related Early Infantile Epileptic Encephalopathy

8:50 AM
Karla Luna
Undergraduate, Department of Biology
Faculty Advisor: Nola J Kennedy
**Title of Presentation:** Acute Electronic Cigarette Exposure Decreases Heart Rate Variability in C57BL/6 Mice

9:10 AM
Carolina Gonzalez
Undergraduate, Department of Biology
Faculty Advisor: Jonathan Kelber
**Title of Presentation:** Retinoic Acid Induced Fourteen Is An Actin Cytoskeleton Interacting Protein That Is Upregulated In Pancreatic Cancer And Promotes Src Kinase Stability, Proliferation And Migration

9:30 AM
Joanna Maddela
Undergraduate, Department of Biology
Faculty Advisor: Jonathan Kelber
**Title of Presentation:** eIF5A1/2 Pathway Activity Regulates Intratumoral Heterogeneity Markers to Drive Breast Cancer Metastasis

9:50 AM
Nathalie Nadales
Undergraduate, Department of Biology
Faculty Advisor: Jonathan Kelber
**Title of Presentation:** LCN2: Its role in protumorigenic mechanisms within the premetastatic lung and eIF5A 1/2 dependency

10:10 AM BREAK

10:20 AM
David Ohana
Undergraduate, Department of Biology
Faculty Advisor: Jonathan Lin
**Title of Presentation:** Comparative Analysis and Efficacy of Molecular Genetic Techniques for Monosomy 3 in Uveal Melanoma Pathogenesis

10:40 AM
Jamie Michelle L. Prudencio
Undergraduate, Department of Health Sciences
Faculty Advisor: Edith Chen
**Title of Presentation:** A Qualitative Study of the Cultural and Structural Influences Underlying the Filipino American Diet

11:00 AM
Melissa Lara
Undergraduate, Department of Kinesiology
Faculty Advisor: Danielle N Jarvis
**Title of Presentation:** Examining the possible relationship between the Borg rating and heart rate in dancers

11:20 AM
Stephen Gonzalez, Daniel Saravia, Natasha Feldman and Roxana Lesso
Undergraduate, Department of Psychology
Faculty Advisor: Bradley McAuliff
**Title of Presentation:** Tell Me Everything You Remember: Examining Children’s Memory Across Forensic Interviews
10-Minute Oral Presentation Session 9
College of Science and Math, Completed, Via Zoom (8:30 AM - 12:00 PM)

8:30 AM
Diana Blanco Hernandez-NO LONGER PRESENTING
Undergraduate, Department of Physics and Astronomy
Faculty Advisor: Luca Ricci
Title of Presentation: Substructures in Disks undergoing Hydrodynamical Instabilities: Observational Predictions

8:50 AM
Natalie Dahan
Undergraduate, Department of Biology
Faculty Advisor: Maria Elena De Bellard
Title of Presentation: The SUN Test of Vision: Investigation in Healthy Volunteers and Comparison to the Mobile Universal Lexicon Evaluation System (MULES)

9:10 AM
Akira Pimenov
Undergraduate, Department of Physics and Astronomy
Faculty Advisor: Hendrik Postma
Title of Presentation: Towards rapid single molecule DNA sequencing with graphene nanogaps

9:30 AM
Claire Herrera
Undergraduate, Department of Chemistry and Biochemistry
Faculty Advisor: Gagik Melikyan
Title of Presentation: Introducing nucleophiles into metal-complexed acetylenic tetrads: Substrate design, process optimization, and synthetic potential

9:50 AM
Mary Hovanesyan
Undergraduate, Department of Biology
Faculty Advisor: Cindy Malone
Title of Presentation: Human iPS-Derived Interneurons Enhance Functional Recovery After Cortical Stroke

10:10 AM BREAK

10:20 AM
Nicolle Martin
Undergraduate, Department of Biology
Faculty Advisor: Cindy Malone
Title of Presentation: Effect of Smooth Muscle Cell Piezo1 in Mediating Biomechanical Stretch-Induced Growth of the Small Bowel

10:40 AM
Nicole Kushnir
Undergraduate, Department of Biology
Faculty Advisor: Ray Hong
Title of Presentation: Salty Palates: Do Two Species of Worms Prefer Different Salts?

11:00 AM
Reinard Villalon
Undergraduate, Department of Biology
Faculty Advisor: Ray Hong
Title of Presentation: Utilization of CRISPR-Cas9 Genome Editing to Characterize Mutants

11:20 AM
Sara Shatela
Undergraduate, Department of Biology
Faculty Advisor: Lisa Banner
Title of Presentation: Investigating the role of IL-6 in high-fat diet-induced cognitive decline

11:40 AM
Maria Yera and Jack Castaneda
Undergraduate, Department of Biology
Faculty Advisor: Mariano Loza-Coll
Title of Presentation: Differential effect of chronic intermittent stressors on behavior and homeostasis intestinal stem cells in the fruit fly Drosophila melanogaster
10-Minute Oral Presentation Session 10
Colleges of Social & Behavioral Sciences and Humanities, Preliminary/Proposal,
Via Zoom (8:30 AM - 11:00 AM)
Theme: Interpreting Identities

8:30 AM-NO LONGER PRESENTING
Jessica Barahona & Diana Zepeda
Graduate, Department of Social Work
Faculty Advisor: Ioana Schmidt and Eli Bartle
Title of Presentation: The Latinx Experience: Imposter Syndrome & The Working Professional

10:00 AM
Margarita Levine
Graduate, Department of Sociology
Faculty Advisor: Stacy Missari
Title of Presentation: The Female Body from the Perspectives of Central and Eastern European Women Residing in the U.S.

8:50 AM
Karen Ugarte and Jessica Saldivar
Graduate, Department of Social Work
Faculty Advisor: David McCarty-Caplan
Title of Presentation: Quien Soy Yo: Queer Latinx Womxn Navigating Identity, Family and Community

10:20 AM
Paul Parrett
Graduate, Department of Anthropology
Faculty Advisor: Kimberly Kirner
Title of Presentation: Decocting Identity: Herbal Medicine Practitioners & Occupational Identity

9:10 AM
Amanda Daly-NO LONGER PRESENTING
Graduate, Department of English
Faculty Advisor: Lauren Byler
Title of Presentation: Departing from Traditional Historiographical Metafiction in Colson Whitehead’s Underground Railroad

10:40 AM
Alyssa Rojas
Graduate, Department of Psychology
Faculty Advisor: Tara Fahmie
Title of Presentation: Preventing Severe Problem Behavior in Typically Developing Preschoolers

9:30 AM
Natasha Feldman-NO LONGER PRESENTING
Graduate, Department of Psychology
Faculty Advisor: Bradley D. McAuliff
Title of Presentation: Jurors’ Perceptions of Deaf Child Witnesses

9:50 AM BREAK
10-Minute Oral Presentation Session 11
Colleges of Social & Behavioral Sciences, Arts, Media & Communication, Education and Humanities, Completed, Via Zoom (12:30 PM - 2:50 PM)
Theme: Cultural Representation

12:30 PM
Shelby McIntyre
Graduate, Department of Educational Psychology and Counseling
Faculty Mentor: Merril Simon
Title of Presentation: How can Student Affairs Professionals Counter Hate Speech on College Campuses?

12:50 PM
Thaddeus Nagey
Graduate, Department of Theatre
Faculty Mentor: Doug Kaback
Title of Presentation: Because It’s Sunny in LA (Especially on Skid Row)

1:10 PM
Maseri Kisa Schultz
Graduate, Department of English
Faculty Mentor: Charles Hatfield
Title of Presentation: Ms. Marvel Rising: Reclaiming the Superheroine Body through Costume Design

1:30 PM
Hector Emmanuel Silva Benitez, Kevin Pedraza and Bernardo Martinez
Graduate, Department of Psychology
Faculty Mentor: Yolanda Vasquez-Salgado and Shu-Sha Angie Guan
Title of Presentation: The Role of Faculty-Student Cultural Mismatch on Latinx Students’ Health, Academics and Belonging, During the Transition to College

1:50 PM
Natalie Van Gelder
Graduate, Department of English
Faculty Mentor: Lauren Byler
Title of Presentation: The Failed Teenage Drummer (Or Why I love Meg White)

2:10 PM
Crystal Venegas
Graduate, Department of Psychology
Faculty Mentor: Meeta Banerjee
Title of Presentation: A Longitudinal Exploration of Socio-cultural Factors on Mental Health in Latinx Youth to Emerging Adulthood

2:30 PM
Cindy Phu
Graduate, Department of Educational Leadership and Policies Studies
Faculty Mentor: Tracy Buenavista
Title of Presentation: Othering Mothers: Student-Mothers of Color in Community College
### 10-Minute Oral Presentation Session 12

**Colleges of Arts, Media & Communication, Science & Math and Social & Behavioral Sciences, Completed, Via Zoom (12:30 PM - 2:30 PM)**

**Theme: Human-Environment Interactions**

<table>
<thead>
<tr>
<th>Time</th>
<th>Name</th>
<th>Department</th>
<th>Faculty Mentor</th>
<th>Title of Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:30 PM</td>
<td>Danielle Becker</td>
<td>Graduate, Department of Biology</td>
<td>Nyssa Silbiger</td>
<td>Investigating the influence of nutrient enrichment on coral thermal tolerance in a branching coral species</td>
</tr>
<tr>
<td>1:30 PM</td>
<td>Megan Love</td>
<td>Graduate, Department of Social Work</td>
<td>Jodi Brown</td>
<td>Stress of First Responders Who Have Experienced a Community Crisis</td>
</tr>
<tr>
<td>12:50 PM</td>
<td>Erin Eleniak</td>
<td>Graduate, Department of Art</td>
<td>Patsy Cox</td>
<td>Souvenir: Cigarettes, Tangerines, Gum</td>
</tr>
<tr>
<td>1:50 PM</td>
<td>Stephanie Menjivar</td>
<td>Graduate, Department of Biology</td>
<td>David Gray</td>
<td>Exploring effects of traffic noise on the advertisement calls of a local chorus frog</td>
</tr>
<tr>
<td>1:10 PM</td>
<td>Rachel Hohn</td>
<td>Graduate, Department of Geological Science</td>
<td>Priya Ganguli and Scott Hauswirth</td>
<td>Environmental Impacts of Historic Mining in New Idria, California</td>
</tr>
<tr>
<td>2:10 PM</td>
<td>Sarah Wenner</td>
<td>Graduate, Department of Biology</td>
<td>Jeanne Robertson</td>
<td>Estimating spatial patterns of gene flow in the Blainville's horned lizard (Phrynosoma blainvillii) in an urbanized landscape</td>
</tr>
</tbody>
</table>
10-Minute Oral Presentation Session 13
College of Health & Human Development, Preliminary/Proposal,
Via Zoom (12:30 PM - 2:30 PM)
Theme: Health and Human Development

12:30 PM
Stephan Acuna
Graduate, Department of Kinesiology
Faculty Mentor: Taeyou Jung
**Title of Presentation:** The Acute Effects of Resistance Training with and without Blood Flow Restriction on Peak Torque and Muscle Thickness in people with Incomplete Spinal Cord Injury

12:50 PM
Idania (Dani) Brown, Tiffany Chapman and Angel Arizpe
Graduate, Department of Health Sciences
Faculty Mentor: Claudia Toledo-Corral
**Title of Presentation:** The Relationship Between Self-Compassion and Perceived Stressors Among Multi-Ethnic Young Adults with Increased Risk for Type 2 Diabetes

1:10 PM
Jamie Katz Thuy Duong Jacobson, Alexis Maglalang and Brittany Aoyama
Graduate, Department of Physical Therapy
Faculty Mentor: Janna Beling
**Title of Presentation:** Determining Efficacy of Physical Therapy Service Learning at Da Nang Orthopedic and Rehabilitation Hospital: A Needs Assessment Study

1:30 PM
Ying Liu
Graduate, Department of Kinesiology
Faculty Mentor: Teri Todd
**Title of Presentation:** Effects of a single bout of aerobic exercise on visuospatial abilities in young adults with autism spectrum disorder

1:50 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

2:10 PM
Nicole Stoehr
Graduate, Department of Kinesiology
Faculty Mentor: Jacob Hinkel-lipsker
**Title of Presentation:** Postural control of Lower Limb Amputees during Yoga Postures
10-Minute Oral Presentation Session 14
Colleges of Arts, Media & Communication, Social & Behavioral Sciences and Humanities,
Completed, Via Zoom (12:30 PM - 2:30 PM)
Theme: Women/Gender

12:30 PM
Elyse Durand
Undergraduate, Department of Theatre
Faculty Mentor: Ah-Jeong Kim
Title of Presentation: Silent Spring: A New Musical

12:50 PM
Virginia Gomez
Undergraduate, Department of Gender and Women's Studies
Faculty Mentor: Breny Mendoza
Title of Presentation: Women Cultivating California's Cannabis Industry

1:10 PM
Richelle Herman
Undergraduate, Department of English
Faculty Mentor: Heidi Schumacher
Title of Presentation: "She's Too Real. She Looks Like a Boy": A Gendered Reading of Tipping the Velvet

1:30 PM
Xochitl Hernandez
Undergraduate, Department of Music
Faculty Mentor: Jose Luis Benavides
Title of Presentation: Notes From Her: The Opera and Performing Arts Industry's Reinvented Multicultural, Multimedia, and Multi-musical Muse

1:50 PM
Genesis Pia - NO LONGER PRESENTING
Undergraduate, Department of Sociology
Faculty Mentor: Lauren McDonald
Title of Presentation: How Academic, Familial, and Occupational Responsibilities Shape the Cultural Identity of Latinas in Higher Education

2:10 PM-NO LONGER PRESENTING
Danielle Snali
Undergraduate, Department of Religious Studies
Faculty Mentor: Heidi Schumacher
Title of Presentation: Exploring the History of Los Angeles Women's Clubs during the Twentieth Century
10-Minute Oral Presentation Session 15
College of Science & Math, Completed,
Via Zoom (12:30 PM - 2:30 PM)

12:30 PM
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

1:30 PM
Alexis Mahloch
Graduate, Department of Biology
Faculty Mentor: Ray Hong
Title of Presentation: Sheaths and Smells: The Role of Amphid Sensilla in Olfaction

12:50 PM
Cameron Geller
Graduate, Department of Biology
Faculty Mentor: Jonathan Kelber
Title of Presentation: eIF5A1/2 activity as a regulator of SLC3A2-dependent heterogeneity and metastasis in breast cancer

1:50 PM
Jennica Moffat
Graduate, Department of Biology
Faculty Mentor: Casey terHorst
Title of Presentation: Investigating the Potential for Evolutionary Rescue by Association in a Model Cnidarian-Dinoflagellate Symbiosis

1:10 PM
Vivian Vy Le
Graduate, Department of Biology
Faculty Mentor: Ray Hong
Title of Presentation: Interspecific comparison of sensitivity using paralytic compounds

2:10 PM
Jonathan Salazar
Graduate, Department of Biology
Faculty Mentor: Cindy Malone
Title of Presentation: Hepatocyte Nuclear Factor 3-Beta’s Effect on Expression of Recombination Signal Binding Protein for Immunoglobulin Kappa J Region
10-Minute Oral Presentation Session 16
College of Engineering & Computer Science, Completed,
Via Zoom (12:30 PM - 2:10 PM)

12:30 PM
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

12:50 PM
Arshak Amirbekyan
Graduate, Department of Mechanical Engineering
Faculty Mentor: Peter Bishay
Title of Presentation: Analysis of Composite Plates with Periodic Piezoelectric Patches

1:10 PM
Prabhat Gehlot
Graduate, Department of Computer Science
Faculty Mentor: Katya Mkrtchyan
Title of Presentation: Emotion Classification in Images

1:30 PM
Michael Munje-NO LONGER PRESENTING
Graduate, Department of Computer Science
Faculty Mentor: Adriano Zambom
Title of Presentation: Shape and trajectory estimation of obstacles for autonomous vehicles

1:50 PM
Julian Rodriguez
Graduate, Department of Mechanical Engineering
Faculty Mentor: Peter Bishay
Title of Presentation: Computational and Experimental Analysis of Periodic Laminated Fiber-Reinforced Composite Beams
10-Minute Oral Presentation Session 17
College of Science & Math, Completed, Via Zoom (12:30 PM - 2:30 PM)

12:30 PM
Dallar Babaian
Graduate, Department of Physics and Astronomy
Faculty Mentor: Luca Ricci
Title of Presentation: Linking the properties of protoplanetary disks and their host stars in the Taurus region

12:50 PM
Michael Barton
Graduate, Department of Physics and Astronomy
Faculty Mentor: Tyler Luchko
Title of Presentation: An alchemical thermodynamic cycle coupling the accuracy of 3D-RISM and the speed of generalized Born implicit solvent models to improve binding affinity calculation performance

1:10 PM
Benjamin Cordova
Graduate, Department of Chemistry and Biochemistry
Faculty Mentor: Daniel Tamae
Title of Presentation: Investigating the metabolic and biological effects of Glyoxalase 1 inhibition in cancer cells

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

1:50 PM
Kristine Romich
Graduate, Department of Physics and Astronomy
Faculty Mentor: Ana Cristina Cadavid and Debi Prasad Choudhary
Title of Presentation: Classifying Solar Active Region Stokes Profiles with Possible Applications for Flare Forecasting

2:10 PM
Parijat Sharma
Graduate, Department of Chemistry and Biochemistry
Faculty Mentor: Taeboem Oh
Title of Presentation: Studying Atropisomerism in Lutidine Systems
10-Minute Oral Presentation Session 18
College of Science & Math, Preliminary/Proposal,
Via Zoom (12:30 PM - 2:50 PM)

12:30 PM
Matthew Green
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Joseph Teprovich
**Title of Presentation:** Gel Polymer Electrolytes for Next generation Lithium Ion Batteries

12:50 PM
Alexander Alon
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Paula Fischhaber
**Title of Presentation:** Constructing an *S. cerevisiae* strain to investigate the timing of Rad52 protein recruitment in single-strand annealing

1:10 PM
Steven Ayoub
Undergraduate, Department of Chemistry and Biochemistry
Faculty Mentor: Tyler Luchko
**Title of Presentation:** Implicit Solvent pKa Calculations with 3D-RISM

1:30 PM
Manuel Fierro—NO LONGER PRESENTING
Undergraduate, Department of Biology
Faculty Mentor: Juan Hertz and Hemal Patel
**Title of Presentation:** Fibroblasts Derived from a Progeroid Patient with a Cav1 Mutation Over-Produce Exosomes

1:50 PM
Sarah Harter
Undergraduate, Department of Physics and Astronomy
Faculty Mentor: Luca Ricci
**Title of Presentation:** Imaging the Interaction between Planets and Young Disks with the ngVLA

2:10 PM
Kristen Tran, Ryan Cheng and Richard Luu
Undergraduate, Department of Biology
Faculty Mentor: Jorge Iniguez
**Title of Presentation:** The Behavioral Effects of Omitting the α1T gene in Drosophila

2:30 PM
Vidya Venkatesan
Undergraduate, Department of Physics and Astronomy
Faculty Mentor: Ana Cristina Cadavid
**Title of Presentation:** A Machine Learning Approach to Identify Solar Stokes Profiles in Flaring and Non-Flaring Regions
12:30 PM
Matthew Sabalo
Undergraduate, Department of Biology
Faculty Mentor: Cindy Malone
Title of Presentation: Characterization of iPSC Derived Organoids from Fragile X Syndrome Patients

12:50 PM
Natasha Carlson
Undergraduate, Department of Biology
Faculty Mentor: Cindy Malone and Michael Teitell
Title of Presentation: Using mitochondrial transfer to engineer cells with potentially therapeutic applications

1:10 PM
Stephanie Castellanos
Undergraduate, Department of Biology
Faculty Mentor: Cindy Malone
Title of Presentation: Understanding the mechanism of Wnt signaling in BMP-dependent spinal dorsal interneurons

1:30 PM
Portia Elms
Undergraduate, Department of Biology
Faculty Mentor: Cindy Malone
Title of Presentation: Gene Editing for Common Variable Immune Deficiency

1:50 PM
Victor Gutierrez-Garcia
Undergraduate, Department of Biology
Faculty Mentor: Cindy Malone
Title of Presentation: Development of Decellularized Human Myo-Scaffolds for the Culture of Skeletal Muscle Progenitor Cells

2:10 PM
Jesse Alindayu
Undergraduate, Department of Biology
Faculty Mentor: Cindy Malone
Title of Presentation: Structural and functional MRI as biomarkers for repair processes following stem cells therapy of white matter stroke

2:30 PM
Tadeo Aviles Zuniga
Undergraduate, Department of Biology
Faculty Mentor: Cindy Malone
Title of Presentation: Characterizing the promoter region of human gene TNFSF8
10-Minute Oral Presentation Session 20
Colleges of Social & Behavioral Sciences and Humanities, Completed,
Via Zoom (12:30 PM - 2:30 PM)

12:30 PM
Taylor Doty
Graduate, Department of Psychology
Faculty Mentor: Stefanie Drew
Title of Presentation: Reading between the lines: the impacts of technology on reading and the visual system

12:50 PM
Stephanie Dunn
Graduate, Department of Psychology
Faculty Mentor: Debbie Ma and Justin Kantner
Title of Presentation: Mapping the Mental Representation of Biracial and Monoracial Faces

1:10 PM
Sahar Hamzei
Graduate, Department of Linguistics
Faculty Mentor: Tineke Scholten
Title of Presentation: Vowel Epenthesis in the Speech of Farsi Speakers of English Learners

1:30 PM
Jose Jimenez-Jimenez
Graduate, Department of Modern, Classical Languages and Literatures
Faculty Mentor: Axel Montepeque
Title of Presentation: Temporada de huracanes and the patriarchy

1:50 PM
Luna Li
Graduate, Department of Psychology
Faculty Mentor: Justin Kantner
Title of Presentation: Response bias in recognition memory: The role of cognitive effort

2:10 PM
Stephanie Shaw
Graduate, Department of Social Work
Faculty Mentor: David McCarty-Caplan
Title of Presentation: Abortion Access for Incarcerated Females in California
10-Minute Oral Presentation Session 21
College of Health & Human Development, Completed,
Via Zoom (12:30 PM - 2:10 PM)

12:30 PM
Joselin Berdugo, Marie Olguin and Jennifer White
Undergraduate, Department of Family and Consumer Sciences
Faculty Mentor: Dena Herman and Neilda Duran
Title of Presentation: Cooking Comprehension Evaluation: A Novel Way to Determine the Effectiveness of an Adolescent Cooking Program

12:50 PM
Nikolas Morrison-Welch
Undergraduate, Department of Environmental and Occupational Health
Faculty Mentor: Crystal Rogers
Title of Presentation: Progranulin: Involvement in neuronal lysosomal function and neurodegenerative diseases

1:10 PM
Isabel Munoz Orozco
Undergraduate, Department of Kinesiology
Faculty Mentor: Danielle Jarvis
Title of Presentation: Skipping Kinematics in College Students with and without Autism Spectrum Disorder

1:30 PM
Denise Nguyen
Undergraduate, Department of Health Sciences
Faculty Mentor: Yvonne Michael and Jana Hirsch
Title of Presentation: Unpacking the relationship between neighborhood disparities and gentrification

1:50 PM
Jennifer White
Undergraduate, Department of Family and Consumer Sciences
Faculty Mentor: Elizabeth Sussman
Title of Presentation: Analysis of the National Kidney Foundation of Arizona Patient Assistance Nutritional Supplementation Program
Morning Poster Presentations  
Via CSUNBox (8:30 AM-3:30 PM)

**Poster 1**  
**Preliminary/Proposal**  
Patrick Acosta  
Undergraduate, Department of Biology  
Faculty Advisor: Yoshie Hanzawa  
**Title of Presentation:** Flowering Genes of Glycine Max are Differently Expressed in Response to Changing Environmental Conditions

**Poster 2**  
**Completed**  
Arya Afzali and Sahar Rahnemabayat  
Undergraduate, Department of Biology  
Faculty Advisor: David Bermudes  
**Title of Presentation:** Isolation, Identification and Assessment of Heat Resistance in Psychrophiles from Chicken

**Poster 3**  
**Completed**  
Alberto Aguilera, Francisco Pacheco, Carmen Garcia and James Lozano  
Undergraduate, Department of Mechanical Engineering  
Faculty Advisor: Christoph Schaal  
**Title of Presentation:** High Precision Multi-Axis Positioning System for Nondestructive Testing

**Poster 4**  
**Completed**  
Madi Aho  
Graduate, Department of Social Work  
Faculty Advisor: David McCarty and Wendy Ashley  
**Title of Presentation:** Anti-Oppressive Social Work in Praxis and in Research; a Systematic Literature Review

**Poster 5**  
**Preliminary/Proposal**  
Larisa Albers  
Graduate, Department of Health Sciences  
Faculty Advisor: Myriam Forster  
**Title of Presentation:** The Relationship Between Adverse Childhood Experiences and Sleep Difficulties Among Young Adult College Students

**Poster 6**  
**Completed**  
Jake Alger, Christian Torres and Leonardo Flores  
Undergraduate, Department of Mechanical Engineering  
Faculty Advisor: Peter Bishay  
**Title of Presentation:** MataMorph-2: A Fully Morphing UAV with Twist-morphing Wings and Camber-morphing Tail Stabilizers

**Poster 7**  
**Completed**  
Abeer Almutairi  
Undergraduate, Department of Civil Engineering and Construction Management Technology  
Faculty Advisor: David Boyajian and Tadeh Zirakian  
**Title of Presentation:** LEED Implementations on a Steel Residential Construction

**Poster 8**  
**Completed**  
Abrar Alsadi  
Undergraduate, Department of Civil Engineering and Construction Management Technology  
Faculty Advisor: David Boyajian and Tadeh Zirakian  
**Title of Presentation:** Design of Green Residential Building
**Poster 9**
*Completed*

Samuel Aghazaryan  
Undergraduate, Department of Computer Science  
Faculty Advisor: Katya Mkrtchyan, Tadeh Zirakian and David Boyajian  
**Title of Presentation:** Identifying Strengths and Weaknesses of Educational Institutions

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**Poster 10**
*Preliminary/Proposal*

Mary Antikyan  
Undergraduate, Department of Biology  
Faculty Advisor: Cindy Malone  
**Title of Presentation:** Labeling the Kaposi Sarcoma-Associated Herpesvirus TATA-Box Binding Protein-Mimic ORF24 for Fluorescent Live-Cell Imaging

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**Poster 11**
*Completed*

Cristian Apolinar  
Undergraduate, Department of Criminology and Justice Studies  
Faculty Advisor: Nayan Ramirez  
**Title of Presentation:** Examining the Relationship between Financial Disadvantage and Contact with the Police

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**Poster 12**
*Completed*

Maria Verna Aquino  
Undergraduate, Department of Computer Science  
Faculty Advisor: Carol Shubin  
**Title of Presentation:** Does Instructor Rank Matter? Grade Variation Among Math Courses at CSUN, 2005-2019

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**Poster 13**
*Preliminary/Proposal*

Aaliyeh Ayub  
Undergraduate, Department of Communication Disorders and Sciences  
Faculty Advisor: Vickie Yu  
**Title of Presentation:** Do Preschool Instructors Have the Academic Knowledge to Teach Pre-Literacy Skills?

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**Poster 14**
*Completed-POSTER NOT AVAILABLE*

Mohammadamin Bagheri Pormehr  
Undergraduate, Department of Civil Engineering and Construction Management Technology  
Faculty Advisor: Tadeh Zirakian and David Boyajian  
**Title of Presentation:** Structural Design and Cost Analysis of a LEED Certified Building

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**Poster 15**
*Completed*

Vanessa Barajas and Nixie Medellin  
Graduate, Department of Health Sciences  
Faculty Advisor: Kacie Blackman  
**Title of Presentation:** Development of the Infant Feeding Measures Survey

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**Poster 16**
*Preliminary/Proposal*

Autumn Benson - NO LONGER PRESENTING  
Undergraduate, Department of Environmental and Occupational Health  
Faculty Advisor: Katy McNamara and Nola Kennedy  
**Title of Presentation:** Evaluating Trends in Recent Occupational Heat Stroke Fatalities

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**Poster 17**
*Completed*

Michelle Bonilla, Michael Boulos and Jocelyn Coreas  
Graduate, Department of Biology  
Faculty Advisor: Mariano Loza-Coll  
**Title of Presentation:** Inheritance of Ethanol Tolerance in Drosophila Melanogaster
Poster 18
Completed
Michael Boulos, Rafael Estrada and Raphael Angelo Zambrano
Undergraduate, Department of Biology
Faculty Advisor: Ray Hong and Mariano Loza
Title of Presentation: Differences in the Gut Microbiome of Antibiotic Treated Drosophila Melanogaster

Poster 19
Preliminary/Proposal
Edward Breceda and Vladimir Fernandez Herrera
Graduate, Department of Social Work
Faculty Advisor: Judith DeBonis
Title of Presentation: Analyzing the Deferred Action Childhood Arrival Policy Through the Lens of Critical Race Theory

Poster 20
Preliminary/Proposal
Elizabeth Burns
Graduate, Department of Biology
Faculty Advisor: Larry Allen and Michael Franklin
Title of Presentation: Verification of Giant Sea Bass (Stereolepis gigas) Through Auditory and Visual Observations

Poster 21
Completed
Estela Cabrera
Graduate, Department of Social Work
Faculty Advisor: Judith DeBonis
Title of Presentation: Policy Analysis: How Will Senate Bill-1152 Affect the Discharge of Homeless Patients?

Poster 22
Completed
Victor Calderon
Undergraduate, Department of Civil Engineering and Construction Management Technology
Faculty Advisor: Tadeh Zirakian and David Boyajian
Title of Presentation: Structural Design Implementing LEED Features by UG Diverse Students

Poster 23
Preliminary/Proposal
Alexis Camacho-Avila
Graduate, Department of Biology
Faculty Advisor: Jeanne Robertson and Crystal Rogers
Title of Presentation: Species-specific Roles of SOX10 in the Neural Crest Gene Regulatory Network

Poster 24
Preliminary/Proposal
Juan Cardenas- POSTER NOT AVAILABLE
Undergraduate, Department of Biology
Faculty Advisor: Carrie Saetermoe
Title of Presentation: Assessing E. Coli Motile Behavior in the Presence of Members of the Bloomy Rind Cheese Microbiome

Poster 25
Completed
Jenifer Cazares
Undergraduate, Department of Civil Engineering and Construction Management Technology
Faculty Advisor: Tadeh Zirakian and David Boyajian
Title of Presentation: Research on the Design and Cost Analysis of an Engineered Building

Poster 26
Completed - NO LONGER PRESENTING
Emely Chamorro and Aysha Reyes
Undergraduate, Department of Kinesiology
Faculty Advisor: Sean Rogers
Title of Presentation: Importance of Early Recognition of Acute Compartment Syndrome in Preventing Negative Patient Outcomes
Poster 27
Preliminary/Proposal
Amanda Chiachi
Graduate, Department of Biology
Faculty Advisor: Nyssa Silbiger
Title of Presentation: Determining Response and Recovery of Red Abalone, Haliotis Refescens, to Marine Heatwaves

Poster 28
Completed
Carlos Corvera, Clare Wilkes and Michael Kay
Graduate, Department of Psychology
Faculty Advisor: Scott Plunkett
Title of Presentation: Familial Interactions, Emotion Dysregulation, and Mental Health of Latino University Students

Poster 29
Completed
Wyconda Cotton Curtis
Undergraduate, Department of Health Sciences
Faculty Advisor: Kacie Blackman
Title of Presentation: The Marketing and Availability of Infant/Follow up Formula and Lactation Resources in the Retail Environment Among Black and Non-Hispanic White Communities within Los Angeles County

Poster 30
Preliminary/Proposal - NO LONGER PRESENTING
Amanda Daly
Graduate, Department of English
Faculty Advisor: Lauren Byler
Title of Presentation: Departing from Traditional Historiographical Metafiction in Colson Whitehead’s Underground Railroad

Poster 31
Completed - NO LONGER PRESENTING
Daniel Delgado and Artturi Simila
Undergraduate, Department of Kinesiology
Faculty Advisor: Sean Rogers
Title of Presentation: The Efficacy of Blood Flow Restriction in Rehabilitation Following ACL Reconstruction

Poster 32
Completed
Pranavi Depur
Graduate, Department of Kinesiology
Faculty Advisor: Jacob Hinkel and Shane Steyck
Title of Presentation: Peripheral Vision and Action Observation Strategies in Elite Collegiate Soccer Players

Poster 33
Preliminary/Proposal
Matthew Dietel
Graduate, Department of Geological Science
Faculty Advisor: Elena Miranda
Title of Presentation: Macro-Structural Analysis on the Grebe Shear Zone from Fieldwork at Lake Hauroko, New Zealand

Poster 34
Completed
Joseph DiTommaso
Undergraduate, Department of Civil Engineering and Construction Management Technology
Faculty Advisor: David Boyajian and Tadeh Zirakian
Title of Presentation: Analysis of LEED Homes and Their Significance for Future Homebuilding

Poster 35
Preliminary/Proposal
Samy Elcott and Bryan Rosales
Graduate, Department of Family and Consumer Sciences
Faculty Advisor: Annette Besnilian and Karmen Ovsepyan
Title of Presentation: Eat To Be Fit

Poster 36
Preliminary/Proposal
Marim El-karim - NO LONGER PRESENTING
Undergraduate, Department of Biology
Faculty Advisor: Rachel Mackelprang
Title of Presentation: Identifying the Ancient Antibiotic Resistance Genes Extracted from Permafrost Soil
Poster 37
Preliminary/Proposal
Ana Carolina Fernandes
Undergraduate, Department of Health Sciences
Faculty Advisor: Cheryl Van
Title of Presentation: Oxidative Damage May Increase Sleep Need: Evidence from the Nematode C. Elegans

Poster 38
Preliminary/Proposal
Kara Fielding
Graduate, Department of Kinesiology
Faculty Advisor: Ovande Furtado
Title of Presentation: Effects of Aquatic and Land Interventions on Communication Skills of Children with Autism

Poster 39
Completed
Alejandra Fregozo
Graduate, Department of Chicano/a Studies
Faculty Advisor: Moshoula Capous-Desyllas
Title of Presentation: Pathways of Institutional Support: Understanding the Experiences of Latinx First-Generation College Students as they Navigate their Education at CSUN

Poster 40
Preliminary/Proposal
Diana Garcia - NO LONGER PRESENTING
Undergraduate, Department of Criminology and Justice Studies
Faculty Advisor: Chin-hsin Liu
Title of Presentation: The Real Process After Death is an Issue

Poster 41
Completed
Jason Garvin
Graduate, Department of Family and Consumer Sciences
Faculty Advisor: Nelida Duran
Title of Presentation: The Effectiveness of Interactive Education on Type II Diabetes Mellitus (t2DM)

Poster 42
Completed
Melissa Gavilanes and Karen Alvarez
Graduate, Department of Psychology
Faculty Advisor: Alyssa Arentoft
Title of Presentation: The Relationship Between Cognitive Flexibility, Cognitive Failures, and the Experience of Depression and Anxiety Symptoms in HIV+ Individuals

Poster 43
Preliminary/Proposal
Jessica Glanz
Graduate, Department of Biology
Faculty Advisor: Robert Carpenter
Title of Presentation: Small Mobile Invertebrates May Help Ventilate Algal Diffusive Boundary Layer

Poster 44
Preliminary/Proposal
Justin Gluck, Danielle Levaton and Alexander X. Krause
Undergraduate, Department of Psychology
Faculty Advisor: Stefanie Drew
Title of Presentation: Hammering It Out: Hammering Optometrics

Poster 45
Completed
Alejandra Gordillo, Israel Aguilar and Jada Cantrell
Graduate, Department of Family and Consumer Sciences
Faculty Advisor: Annette Besnilian
Title of Presentation: CSUN WIC: A Year in Review

Poster 46
Preliminary/Proposal
Gillian Greenberg
Graduate, Department of Geological Science
Faculty Advisor: Josh Schwartz
Title of Presentation: Tracking the Geochemical Evolution of Arc Melts from Lower-Crustal MASH Zone to Mid-Crustal Melt Reservoir, Fiordland, New Zealand
**Poster 47**
*Completed*

Avedis Guedekelian and Barbara Czarnecka  
Undergraduate, Department of Biology  
Faculty Advisor: Cristian Ruiz  
*Title of Presentation:* Role of the AcrAB-tolC Pump in Growth and Motility in Escherichia Coli

**Poster 48**  
*Completed - NO LONGER PRESENTING*

Ara Guerbidjian and Nicholas Wiseman  
Undergraduate, Department of Kinesiology  
Faculty Advisor: Sean Rogers  
*Title of Presentation:* Comparison of Interventions When Approaching Patellar Tendinitis

**Poster 49**  
*Preliminary/Proposal*

Marlene Gutierrez  
Graduate, Department of Social Work  
Faculty Advisor: David McCarty-Caplan  
*Title of Presentation:* “No te Rajes”: Latinx Community Cultural Wealth in College Self-Efficacy and Belonging

**Poster 50**  
*Preliminary/Proposal*

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

**Poster 51**  
*Completed*

Eljoie Anice Hababag and Grace Tomasek  
Undergraduate, Department of Biology  
Faculty Advisor: Sean Murray and David Bermudes  
*Title of Presentation:* Bacteria-Associated with a Cladosporium Fungus

**Poster 52**  
*Completed*

Jordan Haney and Katelyn Nguyen  
Undergraduate, Department of Art  
Faculty Advisor: Joseph Bautista  
*Title of Presentation:* Addressing Social Stigma with Communication Design

**Poster 53**  
*Preliminary/Proposal*

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

**Poster 54**  
*Completed*

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

**Poster 55**  
*Completed*

Emily Hernandez  
Undergraduate, Department of Psychology  
Faculty Advisor: Bobbie Emetu  
*Title of Presentation:* Organization of Psychology Programs Within Pediatric Hospitals

**Poster 56**  
*Preliminary/Proposal*

Akemi Hinzer  
Undergraduate, Department of Chemistry and Biochemistry  
Faculty Advisor: Karin Crowhurst  
*Title of Presentation:* Investigation of the Role of L66 in the Internal Dynamics of TrkB
**Poster 57**  
**Preliminary/Proposal**  
Madeleine Hoeks  
Graduate, Department of Family and Consumer Sciences  
Faculty Advisor: Annette Besnilian  
**Title of Presentation:** An ADA Recognized Diabetes Self-Management Education and Support Program on a University Campus: Implementation and Evaluation

**Poster 58**  
**Preliminary/Proposal**  
Charleen Hsieh, Juliette Vaspra, Minying Li and Samy Elcott  
Graduate, Department of Family and Consumer Sciences  
Faculty Advisor: Annette Besnilian  
**Title of Presentation:** Whole Body, Whole Health Wellness Workshop

**Poster 59**  
**Completed**  
Elizabeth Kaoh  
Graduate, Department of Family and Consumer Sciences  
Faculty Advisor: Annette Besnilian  
**Title of Presentation:** Total Antioxidant Capacity (TAC) Utilizing Oxygen Radical Absorbance Capacity (ORAC) of Species Brassica Oleracea Acephala (Delany Kale) Grown Across Several Farming Systems: Conventional Soil, Hydroponics, Aquaponics, and Biodynamic Soil

**Poster 60**  
**Completed**  
Hyunjung Kim  
Graduate, Department of Linguistics  
Faculty Advisor: Chrisina Scholten  
**Title of Presentation:** Variable Vowel Epenthesis of English Word-Final Stop Loanwords in Korean

**Poster 61**  
**Preliminary/Proposal**  
Roxana Lesso  
Graduate, Department of Psychology  
Faculty Advisor: Elise Fenn  
**Title of Presentation:** Is Trait-empathy a Significant Predictor at Detecting Deception When Strong Diagnostic Cues to Deception are Present?

**Poster 62**  
**Preliminary/Proposal**  
Livier Lopez Canela, Andrea Torres, Jazlyn Armendariz, Celine Dabby, Danielle Levaton, Aileen Kangavary  
Undergraduate, Department of Psychology  
Faculty Advisor: Stefanie Drew  
**Title of Presentation:** Stay Focused: Using Eye-tracking to Assess ADHD

**Poster 63**  
**Preliminary/Proposal**  
Priscilla Macias, Frida Endinjok and Citlalli Garcia Plascencia  
Undergraduate, Department of Family and Consumer Sciences  
Faculty Advisor: Annette Besnilian  
**Title of Presentation:** Sodium Reduction Initiative (SRI) at California State University, Northridge

**Poster 64**  
**Completed**  
Keenan Manpearl  
Undergraduate, Department of Biology  
Faculty Advisor: Rachel Mackelprang  
**Title of Presentation:** The Search for Fungi in Ancient Permafrost

**Poster 65**  
**Completed**  
Shaileen Martinez-NO LONGER PRESENTING  
Graduate, Department of Social Work  
Faculty Staff: Ioana Schmidt  
**Title of Presentation:** Surveying for Relationships: Police Brutality & Student Retention
**Poster 66**
*Completed*

Maria Martone  
Undergraduate, Department of Biology  
Faculty Advisor: Kerry Nickols  
**Title of Presentation:** Phytoplankton Community Composition Inside and Outside Kelp Forests

**Poster 67**
*Preliminary/Proposal*

Monica Montalvo, Christina Warner, Taylor Duncan and Negin Ghaffari  
Graduate, Department of Psychology  
Faculty Advisor: Tara Fahmie  
**Title of Presentation:** Prevention of the Emergence of Problem Behavior in Preschoolers

**Poster 68**
*Completed*

Melissa Montenegro and Tita Murguia  
Graduate, Department of Social Work  
Faculty Advisor: Judith DeBonis  
**Title of Presentation:** Engaging Fathers in Child Welfare Case Planning: A Secondary Analysis of Administrative Data

**Poster 69**
*Completed*

Alesi Monterroso  
Undergraduate, Department of Biology  
Faculty Advisor: Maria Elena de Bellard  
**Title of Presentation:** Neural Crest Cell and Chromatophore Development in the Red Eyed Tree Frog

**Poster 70**
*Preliminary/Proposal*

Jeremy Morales  
Undergraduate, Department of Health Sciences  
Faculty Advisor: Claudia Toledo  
**Title of Presentation:** Examining the Relationship between Perceived Stress and Physical Activity in an Ethnically Diverse Population of Young Adults at Risk for Type 2 Diabetes

**Poster 71**
*Completed*

Ana Luiza Nogueira  
Graduate, Department of Social Work  
Faculty Advisor: Ioana Schmidt  
**Title of Presentation:** The Impact of Community Faith-Based Initiatives to Support Latino Mental Health

**Poster 72**
*Completed - NO LONGER PRESENTING*

Tiffany Olega and Adrienne Willis  
Undergraduate, Department of Kinesiology  
Faculty Advisor: Sean Rogers  
**Title of Presentation:** Surgical Interventions for ACL Tears in Female Collegiate Soccer Players

**Poster 73**
*Completed*

Saswati Panda-NO LONGER PRESENTING  
Graduate, Department of Manufacturing Systems Engineering and Management  
Faculty Advisor: Simon Garrett and Robert Conner  
**Title of Presentation:** Closing the Bulk Metallic Glass Data Gap in the Supercooled Liquid Region

**Poster 74**
*Completed*

Natalie Paredes, Natalie Gevoglanian and Richard Hurtado  
Undergraduate, Department of Psychology  
Faculty Advisor: Sun-mee Kang  
**Title of Presentation:** A Negativity Bias Deficiency in Schizotypy: A Late Positive Potential Study

**Poster 75**
*Completed*

Arturo Perez  
Undergraduate, Department of Marketing  
Faculty Advisor: Qin Sun  
**Title of Presentation:** Matador Pro Bites
Poster 76
Preliminary/Proposal
Aleksandr Petrosyan and Julian Jarquin
Undergraduate, Department of Biology
Faculty Advisor: Melissa Takahashi
Title of Presentation: Characterizing the Role of the sRNA MicF in Relation to Antibiotic Resistance

Poster 77
Completed
Daveda Robinson and Leslie Lopez
Graduate, Department of Social Work
Faculty Advisor: Judith DeBonis
Title of Presentation: Community Engagement Proposal: Raising Awareness of Mental Health Services in Diverse Neighborhoods

Poster 78
Preliminary/Proposal
Adrianna Rojas
Undergraduate, Department of Health Sciences
Faculty Advisor: Stephanie Benjamin
Title of Presentation: Association Between Metal Exposure and Maternal Autoantibodies: Potential Role in Neurodevelopment

Poster 79
Preliminary/Proposal
David Romero
Undergraduate, Department of Chemistry and Biochemistry
Faculty Advisor: Rachel Mackelprang
Title of Presentation: Analysis of Viral Community Composition in Permafrost

Poster 80
Preliminary/Proposal
Julie Salazar
Undergraduate, Department of Psychology
Faculty Advisor: Omar Ruvalcaba
Title of Presentation: Reactions to a Male and Female Players in Competitive Online Play

Poster 81
Preliminary/Proposal
Ricardo Salinas
Undergraduate, Department of Psychology
Faculty Advisor: Meeta Banerjee
Title of Presentation: Community Violence and The Associations to Mental Health and Socioeconomic Factors

Poster 82
Completed
Marika Sigal
Graduate, Department of Psychology
Faculty Advisor: Scott Plunkett
Title of Presentation: Neighborhood, Peer, and Parental Influences on Minor and Major Substance Use of Latino and Black Adolescents in North Carolina

Poster 83
Preliminary/Proposal
Lizette Silva and Raphael Angelo Zambrano
Undergraduate, Department of Biology
Faculty Advisor: Melissa Takahashi
Title of Presentation: Increasing Antibiotic Susceptibility with Antisense Molecules Designed to Interfere with MicF Repression of OmpF

Poster 84
Completed
Janelle Talavera
Undergraduate, Department of Biology
Faculty Advisor: Jeanne Robertson
Title of Presentation: Boldness Increases Predation Risk in Water Anoles

Poster 85
Completed
Kari Tatoian
Graduate, Department of Social Work
Faculty Advisor: Judith DeBonis
Title of Presentation: A Systematic Review of the Experience of Intimacy within Life-Limiting Illness
Poster 86
Completed
Armenuhe Terzian and Daniel Duran
Undergraduate, Department of Chemistry and Biochemistry
Faculty Advisor: Eric Kelson
Title of Presentation: Preparation and Toxicity of 9,10-phenanthrenediimine-based Anti-Tumor Agents

Poster 87
Preliminary/Proposal
Ramela Trtryan
Undergraduate, Department of Chemistry and Biochemistry
Faculty Advisor: Brenton Hammer
Title of Presentation: Modification of Polymers for Drug Delivery

Poster 88
Preliminary/Proposal
Angela Vela
Graduate, Department of Biology
Faculty Advisor: Yoshie Hanzawa
Title of Presentation: Is it Time For Coffee? A Search for Candidate Genes in Wild Soybean Populations

Poster 89
Preliminary/Proposal
Sophia Villicana and Brittany York
Graduate, Department of Family and Consumer Sciences
Faculty Advisor: Annette Besnilian
Title of Presentation: My Plate Musical

Poster 90
Completed
Erick Rios
Undergraduate, Department of Chemistry and Biochemistry
Faculty Advisor: Eric Kelson
Title of Presentation: Evidence of Active Transport of 9,10-phenanthrenediimine-based Anti-Tumor Agents into Cancer Cells
**Afternoon Poster Presentations**  
*Via CSUNBox (8:30 AM-3:30 PM)*

**Poster 1**  
*Preliminary/Proposal*  
Jessica Aceves and Brenda Lopez  
Graduate, Department of Social Work  
Faculty Advisor: David Mccarty  
**Title of Presentation:** Latinx Females in Higher Education

**Poster 2**  
*Preliminary/Proposal*  
Saadman Ahmad  
Graduate, Department of Chemistry and Biochemistry  
Faculty Advisor: Daniel Tamae  
**Title of Presentation:** Aldo-keto Reductases May Act as a Compensatory Detoxification Pathway in Response to Glyoxalase 1 Inhibition in Cancer Cells

**Poster 3**  
*Completed*  
Stephanie Alvarado  
Graduate, Department of Health Sciences  
Faculty Advisor: Myriam Forster  
**Title of Presentation:** Does Time Spent on Internet Activities Influence College Students’ GPA, Sleep, and BMI?

**Poster 4**  
*Completed*  
Olivia Bates  
Undergraduate, Department of Child and Adolescent Development  
Faculty Advisor: Kandice Grote  
**Title of Presentation:** Dual Immersion Teachers’ Growth Mindset: An Investigation of New Curriculum Perceptions

**Poster 5**  
*Completed*  
Nadia Bedrosian and Evangeline (Minying) Li  
Graduate, Department of Family and Consumer Sciences  
Faculty Advisor: Annette Besnlilian  
**Title of Presentation:** CSUN Champions for Change

**Poster 6**  
*Preliminary/Proposal*  
Laura Calleros  
Graduate, Department of Health Sciences  
Faculty Advisor: Bobbie Emetu  
**Title of Presentation:** The Experiences of Transgender Women

**Poster 7**  
*Preliminary/Proposal*  
Shannel Canillas and Janine De Leon  
Undergraduate, Department of Biology  
Faculty Advisor: Cheryl Van Buskirk  
**Title of Presentation:** The Sleepless Mutant csn14 May Shed Light on the Function of Sleep

**Poster 8**  
*Completed*  
Sbetlana Carmona, Thea Behimino, Matthew Vasquez, Jennifer Jimenez  
Undergraduate, Department of Mechanical Engineering  
Faculty Advisor: Peter Bishay  
**Title of Presentation:** A New Transradial Prosthetic Arm Design with Tactile Feedback and Adaptive Gripping Capabilities

**Poster 9**  
*Preliminary/Proposal*  
Lizet Casillas- **POSTER NOT AVAILABLE**  
Graduate, Department of Physics and Astronomy  
Faculty Advisor: Ana Cadavid  
**Title of Presentation:** Early Prediction of Coronal Mass Ejections
**Poster 10**
**Preliminary/Proposal**
Jeng Hann Chong  
Graduate, Department of Geological Science  
Faculty Advisor: Eileen Evans  
**Title of Presentation:** How Does the Cascadia Subduction Zone Affect Earthquakes in the Pacific Northwest?

**Poster 11**
**Preliminary/Proposal**
Karim Damji  
Graduate, Department of Family and Consumer Sciences  
Faculty Advisor: Annette Besnilian  
**Title of Presentation:** An Education Program for Culturally Competent Nutrition Professionals

**Poster 12**
**Preliminary/Proposal**
Luis Devera  
Graduate, Department of Geography  
Faculty Advisor: Amalie Orme  
**Title of Presentation:** Carpinteria Salt Marsh: Ecogeomorphic Change Response to Wildfire

**Poster 13**
**Preliminary/Proposal**
Phillip Digal  
Graduate, Department of Physics and Astronomy  
Faculty Advisor: Anna Bezryadina  
**Title of Presentation:** Light Controlled Bacterial Structures

**Poster 14**
**Completed**
Detrich Galloway  
Undergraduate, Department of Africana Studies  
Faculty Advisor: Cedric Hackett  
**Title of Presentation:** The Misrepresentation of the Black Male

**Poster 15**
**Completed**
Alex Gilewski and Emily Mallory  
Graduate, Department of Chemistry and Biochemistry  
Faculty Advisor: Li Ye  
**Title of Presentation:** Implementation of Concept Maps and Creative Exercises to Bolster Conceptual Understanding of Chemical Equilibrium and Acid-base Chemistry

**Poster 16**
**Preliminary/Proposal**
Cesar Gonzales  
Graduate, Department of Mechanical Engineering  
Faculty Advisor: Christoph Schaal  
**Title of Presentation:** Nondestructive Inspection and Localization Using a Mobile Robotic Platform and Guided Ultrasonic Waves

**Poster 17**
**Preliminary/Proposal**
Anna Beatriz Guerrero  
Graduate, Department of Communication Disorders and Sciences  
Faculty Advisor: Vickie Yu  
**Title of Presentation:** Effect of Filipino Perception on Maintaining Heritage Language

**Poster 18**
**Preliminary/Proposal**
Robert Hogg  
Graduate, Department of Biology  
Faculty Advisor: Jeanne Robertson  
**Title of Presentation:** Genetic Connectivity of the Black-bellied Slender Salamander (Batrachoseps Nigriventris) in Island and Mainland Populations

**Poster 19**
**Preliminary/Proposal**
Munzerin Hossain and Luz Adri  
Undergraduate, Department of Social and Behavioral Science  
Faculty Advisor: Carol Shubin and Bruce Shapiro  
**Title of Presentation:** Soraya Ticketing Data
**Poster 20**
*Completed*

*Victory Idehen*
Undergraduate, Department of Environmental and Occupational Health  
Faculty Advisor: Claudia Toledo  
**Title of Presentation:** Associations Between Environmental Indicators and Cortisol Levels in Minority Children Living in Los Angeles

**Poster 21**
*Preliminary/Proposal*

*Kendra Isable - NO LONGER PRESENTING*
Graduate, Department of Anthropology  
Faculty Advisor: Chin-hsin Liu  
**Title of Presentation:** What Implications Can Be Made About Living with Bone Metastasis in the Archaeological Record

**Poster 22**
*Preliminary/Proposal*

*Robyn Jensen*
Graduate, Department of Biology  
Faculty Advisor: Tim Karels  
**Title of Presentation:** The Effects of Fire on Small Mammal Recovery in California Shrublands

**Poster 23**
*Preliminary/Proposal*

*Greg Jesmok*
Graduate, Department of Geological Science  
Faculty Advisor: Priya Ganguli  
**Title of Presentation:** The Mysteries of Mercury in Castaic Lake, Castaic Lake, California

**Poster 24**
*Completed*

*Mayra Jimon, Gina Gerlich and Zoila Campos*
Graduate, Department of Geography  
Faculty Advisor: Sanchayeeta Adhikari  
**Title of Presentation:** Logistic Regression Analysis of Environmental Factors of Wildfires: 2012-2016 Drought in Southern California

**Poster 25**
*Preliminary/Proposal*

*Melissa Johnson*
Graduate, Department of Social Work  
Faculty Advisor: David McCarty  
**Title of Presentation:** LGBTQ Older Adults, Social Isolation, and Health

**Poster 26**
*Preliminary/Proposal*

*Destini Kananipour*
Undergraduate, Department of Biology  
Faculty Advisor: Farzad Amin  
**Title of Presentation:** Understanding Non-coding RNA Interaction to Regulate the DNA Damage Response

**Poster 27**
*Preliminary/Proposal*

*Shaun Kehrmeyer*
Graduate, Department of Biology  
Faculty Advisor: Paula Schiffman  
**Title of Presentation:** The Los Angeles River Vegetation and Arthropods: A Comparison to Other Southern California Riparian Zones

**Poster 28**
*Preliminary/Proposal*

*Lauren Knox*
Graduate, Department of Psychology  
Faculty Advisor: Stefanie Drew  
**Title of Presentation:** In it to win it: The Importance of Motivation in Learning in Virtual Reality Environments

**Poster 29**
*Preliminary/Proposal*

*Emily Ladin*
Graduate, Department of Biology  
Faculty Advisor: Larry Allen and Crystal Rogers  
**Title of Presentation:** Developmental Ontogeny of Giant Sea Bass, Stereolepis Gigas
**Poster 30**  
*Completed*  
Brian Lai and Albert Eng  
Undergraduate, Department of Mathematics  
Faculty Advisor: Carol Shubin  
**Title of Presentation:** How Different Majors Affect Student Performance at CSUN

**Poster 31**  
*Preliminary/Proposal*  
Carven Lau, Narbeh Abramian and Laura Sandoval  
Undergraduate, Department of Family and Consumer Sciences  
Faculty Advisor: Rosalia Garcia  
**Title of Presentation:** Is Mother Beneficial in Apple Cider Vinegar?

**Poster 32**  
*Completed*  
Joe Lozano  
Undergraduate, Department of Business Law  
Faculty Advisor: Nanci Carr  
**Title of Presentation:** Transgenders in the Workplace

**Poster 33**  
*Preliminary/Proposal*  
Caitlin MacGregor  
Graduate, Department of Biology  
Faculty Advisor: Jeremy Yoder  
**Title of Presentation:** Climate Adaptation in the Obligate Pollinators of Joshua trees

**Poster 34**  
*Completed*  
Cristian Martinez, Lucas Cusano, Elia Acosta and Garo Demirjian—NO LONGER PRESENTING  
Undergraduate, Department of Psychology  
Faculty Advisor: Jill Quilici  
**Title of Presentation:** Effects of Variety in Imagery and Variety in Food Offered on Food Consumption

**Poster 35**  
*Completed*  
Carlos Mayorquin Molina—*POSTER NOT AVAILABLE*  
Undergraduate, Department of Systems and Operations Management  
Faculty Advisor: Qin Sun  
**Title of Presentation:** Diabetes Program Research for Marilyn Magaram Center

**Poster 36**  
*Preliminary/Proposal*  
Lorena Melendez and Violeta Jimenez  
Undergraduate, Department of Family and Consumer Sciences  
Faculty Advisor: Nelida Duran  
**Title of Presentation:** Adapting and Tailoring the National Diabetes Prevention Program Curriculum and Integrating Nutrigenomics

**Poster 37**  
*Completed*  
Nancy Mendoza Estrada  
Undergraduate, Department of Psychology  
Faculty Advisor: Jill Razani  
**Title of Presentation:** Burden of Psychological Distress in Caregivers of AD and MCI

**Poster 38**  
*Completed*  
Alexis Mercado  
Undergraduate, Department of Civil Engineering and Construction Management Technology  
Faculty Advisor: Tadeh Zirakian  
**Title of Presentation:** LEEDing the Future

**Poster 39**  
*Completed*  
Meyer Millman  
Undergraduate, Department of Electrical and Computer Engineering  
Faculty Advisor: Carol Shubin  
**Title of Presentation:** Student Success in College Level Mathematics
<table>
<thead>
<tr>
<th>Poster 40</th>
<th>Preliminary/Proposal</th>
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<tbody>
<tr>
<td><strong>Eric Miranda</strong></td>
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<tr>
<td>Undergraduate, Department of Biology</td>
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<tr>
<td>Faculty Advisor: Cristian Rueda</td>
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<tr>
<td><strong>Title of Presentation:</strong> Effect of Cellular Metabolites on the Function of the AcrAB-TolC Pump in Escherichia Coli</td>
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<tr>
<td><strong>Joshua Morales and Fatou Sy</strong></td>
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<td>Undergraduate, Department of Kinesiology</td>
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<td>Faculty Advisor: Sean Rogers</td>
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<tr>
<td><strong>Title of Presentation:</strong> In Collegiate Runners Can Intrinsic Foot Exercises Reduce the Amount of Longitudinal Arch Collapse in Patients When Running?</td>
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<tbody>
<tr>
<td><strong>Robert Mosher</strong></td>
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<td>Graduate, Department of Psychology</td>
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<td>Faculty Advisor: Stefanie Drew</td>
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<tr>
<td><strong>Title of Presentation:</strong> The Impact of Immersive Virtual Reality Displays on Oculomotor Function</td>
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<td><strong>Michael Nam and Abigail Guillen</strong></td>
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<td>Faculty Advisor: Sean Rogers</td>
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<td><strong>Title of Presentation:</strong> Effectiveness of an Empathic Approach in the Delivery of Healthcare on Patient Satisfaction</td>
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<tr>
<td><strong>Katherina Namey</strong></td>
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<tr>
<td>Undergraduate, Department of Family and Consumer Sciences</td>
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<td>Faculty Advisor: Dena Herman</td>
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<td><strong>Title of Presentation:</strong> Sun Valley, California Food Environment Assessment</td>
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<tr>
<td><strong>Clarissa Nassar</strong></td>
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<td>Faculty Advisor: Cheryl Buskirk</td>
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<td><strong>Title of Presentation:</strong> Discovering New C. elegans Sleep Genes</td>
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<tr>
<td><strong>Tu Tram Nguyen</strong></td>
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<td>Graduate, Department of Social Work</td>
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<td>Faculty Advisor: David McCarty</td>
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<tr>
<td><strong>Title of Presentation:</strong> Coming Home vs. Coming Out: How Cultural Dynamics Impact How LGBTQ+ Asian Americans Come Out to Their Family</td>
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<tr>
<td><strong>Sarah Novak</strong></td>
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<tr>
<td>Undergraduate, Department of Anthropology</td>
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<td>Faculty Advisor: James Snead and Andrew Kinkella</td>
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<td><strong>Title of Presentation:</strong> Tales from a Shovel Test Pit: Moments of the Middle Period at VEN-1691</td>
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<tr>
<td><strong>Katherine Orr</strong></td>
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<td>Faculty Advisor: Gilberto Flores</td>
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<td><strong>Title of Presentation:</strong> Dissecting How Murine Macrophages Sense Immunostimulatory RNA Oligonucleotides: Is the dsRNA Poly(A:U) A Specific TLR3 Ligand?</td>
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<tr>
<td><strong>Angela Pacheco and Jorge Rodriguez</strong></td>
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<td>Graduate, Department of Social Work</td>
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<td>Faculty Advisor: Judith DeBonis</td>
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<tr>
<td><strong>Title of Presentation:</strong> The Los Angeles LGBT Center LIFEWORKS Mentorship Program: A Collaboration to Identify and Develop Potential Grant Funding</td>
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**Poster 50**  
**Completed**  
**Marie Page, Sandra Cruz Illescas, Ted Daniel Llera, and Jessica Lorraine Pacheco**  
Undergraduate, Unknown  
Faculty Advisor: Carrie Saetermoe  
**Title of Presentation:** Effects of Cannabidiol on Interleukin 1-beta in Mammalian Macrophage Cells: Inflammation at the Cellular Level

**Poster 51**  
**Completed**  
**Miguel Palacios and Nicholas Mateko**  
Undergraduate, Department of Psychology  
Faculty Advisor: Elise Fenn  
**Title of Presentation:** Displays of Empathy Reduce Interviewer but Improve Observer Deception Detection Accuracy

**Poster 52**  
**Preliminary/Proposal**  
**Justin Pardo**  
Graduate, Department of Geological Science  
Faculty Advisor: Jennifer Cotton  
**Title of Presentation:** Secret Nuclear Meltdown? Measuring Cesium-137 Concentration from Environmental Samples to Determine Radiation Exposure from the Santa Susana Field Laboratory, Simi Valley, California

**Poster 53**  
**Preliminary/Proposal**  
**Florine Pascal**  
Graduate, Department of Biology  
Faculty Advisor: Jeanne Robertson  
**Title of Presentation:** The Neural Basis of Mate Choice Behavior in the Red-Eyed Tree Frog

**Poster 54**  
**Preliminary/Proposal**  
**Zarna Patel**  
Graduate, Department of Manufacturing Systems Engineering and Management  
Faculty Advisor: Maryam Tabibzadeh  
**Title of Presentation:** A Proactive Risk Assessment Framework to Enhance Patient Safety: Analysis of Unintended Retained Foreign Objects in Operating Rooms

**Poster 55**  
**Completed - NO LONGER PRESENTING**  
**Liav Paz and Ellie Jones**  
Undergraduate, Department of Kinesiology  
Faculty Advisor: Sean Rogers  
**Title of Presentation:** Athletic Trainers Utilization of Accelerometers in Recognizing and Diagnosing Concussion in NCAA Collision Sports

**Poster 56**  
**Completed**  
**J. Zak Peet, Dianna Alvarado and Lucy Gonzalez**  
Undergraduate, Department of Psychology  
Faculty Advisor: Yolanda Vasquez and Shu-Sha Guan  
**Title of Presentation:** Sociocultural Predictors of Mindfulness Among Latinx Students During the Transition to College

**Poster 57**  
**Completed**  
**Nicolas Perez**  
Graduate, Department of Physics and Astronomy  
Faculty Advisor: Anna Bezryadina  
**Title of Presentation:** Red Blood Cells Form Waveguides of Light at Tunable Wavelengths

**Poster 58**  
**Completed**  
**Sirirat Phuangthong and Leonel Jimenez**  
Undergraduate, Department of Chemistry and Biochemistry  
Faculty Advisor: Brenton Hammer  
**Title of Presentation:** Synthesis of Nanographene Polymer Composites

**Poster 59**  
**Completed**  
**Gerardo Reyes and Debbie Altamirado**  
Undergraduate, Department of Civil Engineering and Construction Management Technology  
Faculty Advisor: Tzong-Ying Hao  
**Title of Presentation:** Seismic Design, Testing and Analysis of a High-rise Building in Downtown San Diego
Poster 60
Completed
Olivya Reyes and Gabriella Hinojosa
Graduate, Department of Psychology
Faculty Advisor: Scott Plunkett
Title of Presentation: Identifying the Relative Importance of Various Internal Cognitive Processes to Male and Female University Students’ Depressive Symptoms

Poster 61
Preliminary/Proposal - NO LONGER PRESENTING
Sophia Reyes
Undergraduate, Department of Geography
Faculty Advisor: Edward Jackiewicz
Title of Presentation: Which Student is Left Behind?: The Geography of LAUSD Limited Partnership with Sex Education Programs (KIR-T)

Poster 62
Completed
Mia Risberg and Andrea Ramirez
Graduate, Department of Health Sciences
Faculty Advisor: Suzanne Spear
Title of Presentation: Results from a Peer-Based Overdose Prevention Program

Poster 63
Preliminary/Proposal
Alexis Robles
Graduate, Department of Chemistry and Biochemistry
Faculty Advisor: Mads Andersen
Title of Presentation: Environmental Chemistry of Anesthetics

Poster 64
Preliminary/Proposal
Kimberly Romero
Graduate, Department of Sociology
Faculty Advisor: Moshoula Capous-Desyllas
Title of Presentation: Fight Like a Girl: A Qualitative Content Analysis of How Superheroines are Portrayed in Comics

Poster 65
Preliminary/Proposal
Liliana Romo and Evie Christensen
Graduate, Department of Social Work
Faculty Advisor: Judith DeBonis
Title of Presentation: The Value and Impact of Foster Youth Transitioning into Extended Foster Care (AB12)

Poster 66
Completed
Eric Salazar, Michael Lopez, Arman Shirvanian, and Fawaz Alsonei
Undergraduate, Department of Civil Engineering and Construction Management Technology
Faculty Advisor: David Boyajian and Tadeh Zirakian
Title of Presentation: Design of a Sustainable Residential Building

Poster 67
Preliminary/Proposal
Shaparak Salek- POSTER NOT AVAILABLE
Graduate, Department of Geological Science
Faculty Advisor: Eileen Evans
Title of Presentation: Fault Parameter Estimation Using Neural Networks

Poster 68
Completed
Laura Sandoval, Narbeh Abramian and Carven Lau
Undergraduate, Department of Family and Consumer Sciences
Faculty Advisor: Rosalia Garcia
Title of Presentation: Orange Wine, the Comeback of an Ancient Wine Style

Poster 69
Completed
Daniel Saravia
Undergraduate, Department of Psychology
Faculty Advisor: Gabriela Chavira
Title of Presentation: Levels of Mental Health Literacy Among New Mothers
Poster 70
Completed
Mony Sea - POSTER NOT AVAILABLE
Graduate, Department of Geography
Faculty Advisor: Amalie Orme
Title of Presentation: Wetland Ecological Integrity Monitoring: Pickel Meadow, Sierra Nevada, CA

Poster 71
Completed
Jean Pauline Serrano
Undergraduate, Department of Psychology
Faculty Advisor: Scott Plunkett
Title of Presentation: The Impact of Parent-Child Interparental Conflict and Interparental Conflict on Generalized Anxiety of Emerging Adults

Poster 72
Preliminary/Proposal
Jose Serrano and Frida Endinjok
Graduate, Department of Family and Consumer Sciences
Faculty Advisor: Annette Besnilian
Title of Presentation: Developing Culturally Specific Nutrition Education Materials for APECA Peru

Poster 74
Completed
Colleen Sharkey
Undergraduate, Department of Child and Adolescent Development
Faculty Advisor: Kandice Grote
Title of Presentation: Growth Mindset Interventions in University Classrooms: Addressing the Imposter Syndrome among Bilingual and First Generation Students

Poster 75
Completed
Skye Shodahl
Graduate, Department of Psychology
Faculty Advisor: Meeta Banerjee
Title of Presentation: Exploring the Prevalence, Risk-factors, and Health Outcomes of Asian American Subgroups Utilizing a Social-ecological Perspective

Poster 76
Preliminary/Proposal
Hector Solis-NO LONGER PRESENTING
Undergraduate, Department of Environmental and Occupational Health
Faculty Advisor: Nola Kennedy
Title of Presentation: Analyzing Reactive Oxygen Species in Brake and Tire Wear and its Connection with Placental Health and Birth Outcomes.

Poster 77
Preliminary/Proposal
Natalie Souaid
Undergraduate, Department of Mathematics
Faculty Advisor: Bruce Shapiro and Carol Shubin
Title of Presentation: Educational Data Mining for Success
**Poster 78**  
*Completed*  
**Robert Sukiasian - POSTER NOT AVAILABLE**  
Undergraduate, Department of Civil Engineering and Construction Management Technology  
Faculty Advisor: Tadeh Zirakian and David Boyajian  
**Title of Presentation:** Undergraduate Research Project of a Sustainable Green Building

**Poster 79**  
*Preliminary/Proposal*  
**Alexis Swanson-Coleman, Orr Mosche, Fernando Gonzalez and Ryan Savaikie**  
Undergraduate, Department of Family and Consumer Sciences  
Faculty Advisor: Nelida Duran  
**Title of Presentation:** Peer-to-peer Nutrition Education

**Poster 80**  
*Preliminary/Proposal*  
**Mikayla Tesoro and Roland Lacap**  
Undergraduate, Department of Biology  
Faculty Advisor: Maria Elena de Bellard  
**Title of Presentation:** The Evolution of Nociceptor Neurons Investigated in Sharks

**Poster 81**  
*Preliminary/Proposal*  
**Michael Thamas and Liliana Martinez**  
Undergraduate, Department of Biology  
Faculty Advisor: Cheryl van Buskirk  
**Title of Presentation:** The Sleepless Mutant csn13 is an Allele of the Protein Kinase EGL-4

**Poster 82**  
*Completed*  
**Iveta Velazquez, Ashley Tuang, Stephen Gonzalez and Victoria Wilson**  
Undergraduate, Department of Psychology  
Faculty Advisor: Debbie Ma  
**Title of Presentation:** The Integrity of Gender and Ethnic Identities

**Poster 83**  
*Completed*  
**Diana Venegas - NO LONGER PRESENTING**  
Undergraduate, Department of Health Sciences  
Faculty Advisor: Nola Kennedy  
**Title of Presentation:** Parkinson’s Patients GDS Scores Compared to Household Controls

**Poster 84**  
*Preliminary/Proposal*  
**Johnny Vertiz - POSTER NOT AVAILABLE**  
Undergraduate, Department of Biology  
Faculty Advisor: Ray Hong  
**Title of Presentation:** Stress Induced Development Can Alter Olfactory Responses in Nematodes

**Poster 85**  
*Completed*  
**Joshua Vicente, Maria Ayala, Anthony Caliboso and Kyle Dang**  
Undergraduate, Department of Kinesiology  
Faculty Advisor: Jacob Hinkel and Sean Rogers  
**Title of Presentation:** Mind Your Step; The Effects of Physical Fatigue on Obstacle Navigation in Healthy Individuals

**Poster 86**  
*Preliminary/Proposal*  
**DeVere Vidamuerte, Madeline Awad, Casey McGinnis, Taylor Doty and Lauren Knox**  
Graduate, Department of Psychology  
Faculty Advisor: Stefanie Drew  
**Title of Presentation:** Visual and Motor Skill Transference Using Virtual Reality

**Poster 87**  
*Completed*  
**Carlos Villegas**  
Undergraduate, Department of Civil Engineering and Construction Management Technology  
Faculty Advisor: David Boyajian and Tadeh Zirakian  
**Title of Presentation:** Undergraduate Research Project on Cost Analysis and Design of a Green Building
Poster 88
Preliminary/Proposal
Michael Weise, Alexander Kraus, Justin Gluck
and Danielle Levaton
Graduate, Department of Kinesiology
Faculty Advisor: Jacob Hinkel and Stefanie Drew
Title of Presentation: Visual and Motor
Implication in Learning a Novel Task of in Virtual
Reality
Acknowledgments

College Liaisons
Joe Bautista, Department of Art
Ana, Sanchez-Munoz, Department of Chicana/o Studies
Casey terHorst, Department of Biology
Hilary Silvia-Goldberg, Department of Business Law
Katya Mkrtchyan, Department of Computer Science
Elizabeth Sussman, Department of Family & Consumer Sciences
Justin Nicoll, Department of Kinesiology
Stefanie Drew, Department of Psychology
Shyrea Minton, Department of Educational Psychology and Counseling

With special thanks to the following:
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Sheree Schrager, Senior Director, Research & Sponsored Programs
Elizabeth Sussman, Faculty Liaison for the Offices of Graduate Studies and Research & Sponsored Programs

Mitz Alejandria, Administrative Support Assistant
Angelica Rodela, Student Assistant

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