

Wednesday Presentation Schedule

February 22, 2023

Session	Discipline	Location
# 1	Physical and Mathematical Sciences Graduate Oral	LSU 324 9:00 – 10:30 a.m.
# 2	Behavioral and Social Sciences Undergraduate Oral	LSU 326 9:00 – 10:30 a.m.
# 3	Physical and Biological Sciences Graduate Poster	LSU Ballroom A & B 9:00 – 10:30 a.m.
# 4	Behavioral & Social Sciences, & Business Graduate Oral	LSU Ballroom C 10:45 a.m. – 12:15 p.m.
# 5	The Legacies of the Japanese Empire Undergraduate Symposium	LSU 324 10:45 a.m. – 12:15 p.m.
# 6	Behavioral & Social Sciences, Humanities, & Education Undergraduate Poster	LSU Ballroom A & B 10:45 a.m. – 12:15 p.m.
IRB Drop-in Information Session for Students and Research Mentors		LSU 326 12:00 – 12:50 p.m.
# 7	Education and Humanities Graduate Oral	LSU 324 1:00 – 2:30 p.m.
#8	Biological and Health Sciences Undergraduate Oral	LSU 326 1:00 – 2:30 p.m.
#9	Biological Sciences I Undergraduate Poster	LSU Ballroom A & B 1:00 – 2:30 p.m.
#10	Behavioral & Computer Science, & Business ONLINE Undergraduate Oral Zoom Registration Link	LSU 326 (Livestream) 2:45 – 4:15 p.m.
#11	Business, Education, Humanities, & Health Science Developmental Poster Session I	LSU Ballroom A & B 2:45 – 4:15 p.m.
#12	Health, Nutrition, and Clinical Science I Graduate Oral	LSU Ballroom C 6:45 – 8:15 p.m.
#13	Physical, Mathematical, and Biological Sciences Graduate Oral	LSU 324 6:45 – 8:15 p.m.
#14	Behavioral & Social Sciences, and Education Graduate Poster	LSU Ballroom A & B 6:45 – 8:15 p.m.
#15	P ² Lab: Positive Perspectives in Research Developmental Session	LSU 326 6:45 – 8:15 p.m.
#16	Undergraduate Roundtable I	LSU 322 6:45 – 8:15 p.m.

Thursday Presentation Schedule

February 23, 2023

Session	Discipline	Location
# 17	Physical and Mathematical Sciences Undergraduate Oral	LSU 326 9:00 – 10:30 a.m.
# 18	Biological Sciences II Undergraduate Poster	LSU Ballroom A & B 9:00 – 10:30 a.m.
# 19	Health Sciences, Business, and Education ONLINE Graduate Oral Zoom Registration Link	LSU 324 (Livestream) 9:00 – 10:30 a.m.
Research Mentor Panel I – Research mentors will discuss their research experiences and share advice.		LSU Ballroom C 11:30 a.m. – 12:30 p.m.
# 20	Health, Nutrition, and Clinical Science II Graduate Oral	LSU Ballroom C 1:00 – 2:30 p.m.
# 21	Health, Nutrition, and Clinical Science Undergraduate Poster	LSU Ballroom A & B 1:00 – 2:30 p.m.
# 22	Marine Natural Products: Medicines from the Sea Undergraduate Symposium	LSU 324 1:00 – 2:30 p.m.
# 23	Behavioral, Social, and Health Sciences Undergraduate Poster	LSU Ballroom A & B 2:45 – 4:15 p.m.
# 24	Physical, Mathematical, and Computer Sciences Undergraduate Poster	LSU Ballroom A & B 5:30 – 7:00 p.m.
# 25	Behavioral and Social Sciences Developmental Poster	LSU Ballroom A&B 5:30 – 7:00 p.m.
# 26	Health, Nutrition, and Clinical Science III Graduate Oral	LSU Ballroom C 5:30 – 7:00 p.m.
# 27	Behavioral Sciences, Arts, & Business Undergraduate Oral	LSU 326 5:30 – 7:00 p.m.
# 28	Education and Computer Science Developmental Oral	LSU 324 5:30 – 7:00 p.m.
# 29	Graduate Roundtable	LSU 322 5:30 – 7:00 p.m.

Friday Presentation Schedule

February 24, 2023

Session	Discipline	Location
# 30	Health, Nutrition, and Clinical Science Graduate Poster	LSU Ballroom A & B 9:00 – 10:30 a.m.
# 31	Behavioral and Social Sciences Graduate Oral	LSU 324 9:00 – 10:30 a.m.
# 32	Arts and Humanities Undergraduate Oral	LSU 326 9:00 – 10:30 a.m.
# 33	Undergraduate Roundtable II	LSU 322 9:00 – 10:30 a.m.
Research Mentor Panel II – Research mentors will discuss their research experiences and share advice. Zoom Registration Link		LSU Ballroom C (Livestream) 11:00 a.m. – 12:00 p.m.

Please note the following sessions that will be offered in addition to the Student Presentation Sessions:

IRB Drop-in Information Session for Students and Research Mentors	LSU 326 12:00 – 12:50 p.m.
Research Mentor Panel I – Research mentors will discuss their research experiences and share advice.	LSU Ballroom C 11:30 a.m. – 12:30 p.m.
Research Mentor Panel II – Research mentors will discuss their research experiences and share advice. Zoom Registration Link	LSU Ballroom C (Livestream) 11:00 a.m. – 12:00 p.m.

WEDNESDAY, FEBRUARY 22

#1 Physical and Mathematical Sciences Grad Oral

February 22 — LSU 324

Morning Session: 9:00 – 10:30 a.m.

- 9:00 – 9:10 a.m. **Kimberly Campos**
Assessing Air Pollution Exposure of Historically Marginalized Communities in South Los Angeles Through a Bicycle Mobile Monitoring Campaign
Research Mentor: Tianjun Lu (Earth Science)
- 9:15 – 9:25 a.m. **David Saldana**
Dendrochronological Investigations Utilizing Jeffrey Pine in the San Jacinto Mountains
Research Mentors: Justin Valliere (Biology), Parveen Chhetri (Earth Science)
- 9:30 – 9:40 a.m. **Azure Fisher**
The Environmental and Geospatial Injustice of Freight Truck-Related Pollutants in South Los Angeles County
Research Mentor: Tianjun Lu (Earth Science)
- 9:45 – 9:55 a.m. **Elizabeth Hernandez, Michael Wood, Christopher Rojas, and Joanna Campos**
CSUDH's Zero Waste Efforts and Capabilities
Research Mentor: Parveen Chhetri (Earth Science)

#2 Behavioral and Social Sciences Undergraduate Oral

February 22 — LSU 326

Morning Session: 9:00 – 10:30 a.m.

- 9:00 – 9:10 a.m. **La Porsche Jackson**
1992 Rodney King Riots vs. 2020 George Floyd
Research Mentor: Karen Bowdre (Interdisciplinary Studies)
- 9:15 – 9:25 a.m. **Juana Hernandez Jaime**
Analyzing the Impact of Social Networks on Alcohol Recovery Identity
Research Mentor: Kevin Montes (Psychology)
- 9:30 – 9:40 a.m. **Ellie Zelaya**
Over Tourism and Under Tourism: How Social Media Affects Where We Travel
Research Mentor: Sarah Taylor (Anthropology)
- 9:45 – 9:55 a.m. **Josahandi Cisneros**
Higher Education and the Automation of Inequality
Research Mentor: Katy Pinto (Sociology)

#3 Physical and Biological Sciences Graduate Poster

February 22 — LSU Ballroom A & B

Morning Session: 9:00 – 10:30 a.m.

Paul Dinh

*The Effects of Fragment Size and Temperature on
Coral Calcification Rates*

Research Mentor: Charlene McCord (Biology)

Luis Lopez

*Dietary Regulation of the Intracellular Pathogen
Response in C. elegans*

Research Mentor: Eillen Tecle (Biology)

Madison Medhat

*Stormwater Drains and Oil Storage on the CSUDH
Campus*

Research Mentor: Parveen Chhetri (Earth Science)

**Michael Wood, Elizabeth Hernandez, and
Christopher Rojas**

*Zero Waste Compliance and Capabilities on the
CSUDH Campus*

Research Mentors: Parveen Chhetri and Cheyenne
Cummings (Earth Science)

Armando Garcia

*Transportation Ecological Footprint Analysis of
CSUDH*

Research Mentor: Parveen Chhetri (Earth Science)

#4 Behavioral & Social Sciences, and Business,

Economics, and Public Administration Grad Oral

February 22 — LSU Ballroom C

Morning Session: 10:45 a.m. – 12:15 p.m.

10:45 – 10:55 a.m. Fraissy Guijarro

Policing Public Schools

Research Mentor: Qiyan Roger Jin (Public Administration)

11:00 – 11:10 a.m. Caroline Cusolito, Laurel Brislin, Araz Espinoza, and Deniece Caraballo

OT in the Trees: Perceptions of Outdoor OT

Research Mentor: Sheryl Ryan (OT)

11:15 – 11:25 a.m. Aina Ali, Paula Basto, Seth Almberg, and Iram Aziz

*"A Powerful Form of Resistance": Mindfulness and Personal Relationships in the
LGBTQ+ Population*

Research Mentor: Sheryl Ryan (OT)

11:30 – 11:40 a.m. Gautham Alampalli Amarnath

First-generation college students and IT career: From the Career Anchor Perspective

Research Mentor: Nancy Deng (Information Systems)

11:45 – 11:55 a.m. Madeline McKinley, Sunny Kim, Noemi Magtoto, and Karen Lim

*Swiping Right on the Spectrum: The Form, Function, and Meaning of Online Dating
for Autistic Women*

Research Mentor: Sheryl Ryan (OT)

12:00 – 12:15 p.m. Gianna Martinez

ADHD and Educational Support

Research Mentor: Roger Qiyan Jin (Public Administration)

#5 Symposium: The Legacies of the Japanese Empire

February 22 — LSU 324

Morning Session: 10:45 a.m. – 12:15 p.m.

Research Mentor: Kerry Shannon (History)

10:45 – 10:55 a.m. Priscilla Avitia

Japanese Women and their Roles in Shinto and Shrines in Post-World War II Japan

11:00 – 11:10 a.m. Francisco Sanchez

Pro Wrestling, Propaganda, and the Zainichi

11:15 – 11:25 a.m. Gabriela Isidro

Japanese in Mexico: A Misunderstood History

11:30 – 11:40 a.m. Sylvia Duvenary

Mobile Suit Gundam 0079 and Trauma

11:45 – 11:55 a.m. Carlos Heredia-Pantoja

Japanese Assimilation Methods in Education: Colonial Korea 1905-1945

#6 Behavioral & Social Sciences, Humanities, & Education Undergraduate Poster

February 22 — LSU Ballroom A & B

Morning Session: 10:45 a.m. – 12:15 p.m.

Kenneth Perez and Azure Fisher

Should State Land in Southern California be Allocated to Warehousing Goods or Housing People? Analyzing transportation, climate, and unintended consequences of supply chain solutions

Research Mentors: Jian-yu Fisher Ke (Information Systems), Tianjun Lu (Earth Science), Mahmoud Salari (Economics), & Fynnwin Prager (Public Administration)

Kenia Vidal, William Omenwu, & Stephanie Rauda

HIV-1 p17

Research Mentor: Kari Pederson (Chem & Biochem)

Alyssa Guerrero

Chinchorro Mummies: The Oldest Mummies in the World

Research Mentor: Jerry Moore (Anthropology)

Fredy Cruz Hernandez

The Future of the Los Angeles Metro Lines, and the Benefits to the Communities

Research Mentor: Parveen Chhetri (Earth Science)

Victoria Harris

Shakespeare's Romeo & Juliet in connection with Women's Domestic Art

Research Mentor: Kimberly Huth (English)

Yoana Esparza and Justin Sears

Journey Through Time in the South Bay: Analyzing the CSUDH Dominguez Rancho Archaeological Artifact Collection

Research Mentor: Ken Seligson (Anthropology)

Nazareo Gonzalez

Identification of Fungal Secondary Metabolites that Exhibit Antibiotic Activity Towards the Pathogen

Pseudomonas aeruginosa

Research Mentor: Erin McCauley (Chem & Biochem)

Edlyn Pacheco

Using Computer coding to Create Dynamic Object for improve Physics learning In Virtual Reality

Faculty Advisor: Horace Crogman (Physics)

#7 Education and Humanities Grad Oral

February 22 — LSU 324

Afternoon Session: 1:00 – 2:30 p.m.

- 1:00 – 1:10 p.m. **Diane Dizon**
Exploring Student Veteran Intersectionality and its role in Belonging at 2- and 4-year Institutions
Research Mentor: Alfredo Gonzalez (Chicana and Chicano Studies)
- 1:15 – 1:25 p.m. **Siray Rodgers**
A Revitalized Approach to Building and Restoring Communities Across Neighborhoods in America Using Multicultural and Alliance Building Techniques for 'Restorative Practices'
Research Mentor: Nancy Erbe (Negotiation)
- 1:30 – 1:40 p.m. **Megan Ravare**
Schools as Places of Possibility: Portraits of Black Women Educator-Activists
Research Mentors: Nallely Arteaga, Stephanie Cariaga, & Edward Curammeng (Education)
- 1:45 – 1:55 p.m. **Jessica Miller**
Ambient Rhetoric in Patricia Highsmith's The Price of Salt: Places, Spaces, Food, and Sound
Research Mentors: David Sherman, Kimberly Huth, & Helen Oesterheld (English)
- 2:00 – 2:10 p.m. **Nate Hertweck**
Creative Meaning-(Re)Making & Antiracism in First-Year Composition
Research Mentor: Mara Lee Grayson (English)

#8 Biological and Health Sciences Undergrad Oral

February 22 — LSU 326

Afternoon Session: 1:00 – 2:30 p.m.

- 1:00 – 1:10 p.m. **Chandra Jones**
Black and Yellow: Corona Coloration in Encelia farinose
Research Mentor: Sonal Singhal (Biology)
- 1:15 – 1:25 p.m. **Daniel Apt, Michelle Mohr, Callum Lapper, and Muhammad Nabeel KhanQadri**
Ecological Impact of Trees on CSUDH Campus
Research Mentor: Parveen Chhetri (Earth Science)
- 1:30 – 1:40 p.m. **Joshua Quiran**
*MIC Assessment of *SFunga* against *Aspergillus* strains using CLSI method*
Research Mentors: Erin McCauley (Chem & Biochem), Ashraf Ibrahim, Teclegiorgis Gebremariam (UCLA)
- 1:45 – 1:55 p.m. **Aysa-Monae Collins**
The Impact of Maternal Pregnancy Complications and Prenatal Care on Infant Mortality
Research Mentor: Enrique Ortega (Health Science)

#9 Biological Sciences I Undergrad Poster

February 22 — LSU Ballroom A & B

Afternoon Session: 1:00 – 2:30 p.m.

Marco Castañeda Martinez, Carlos Zuniga, and David Saldana

*Investigating climate-growth relationships with *Pinus jeffreyi* in the San Jacinto mountains*

Research Mentors: Justin Valliere (Biology) and Parveen Chhetri (Earth Science)

Callum Lapper, Muhammad Nabeel KhanQadri, Daniel Apt, and Michelle Mohr

Ecosystem Services Provided by Campus Trees

Research Mentor: Parveen Chhetri

Ebonie Bennett

Building a Large Library of Fungal Secondary Metabolites for Biological Assay Screening

Research Mentor: Erin McCauley (Chem and Biochem)

Thazin Yee

*Effects of TGF- β^2 signaling pathway on Intracellular Pathogen Response in *C. elegans**

Research Mentor: Eillen Tecle

Kekoa Nelson

The Negative Effects of Thermal Heat Stress on Plant's Chlorophyll Production

Research Mentor: Justin Valliere

Melissa Estrada

Identification of Fungal Secondary Metabolites with Cytotoxic Activity

Research Mentor: Erin McCauley (Chem and Biochem)

#10 ONLINE Behavioral & Computer Science, & Business

February 22 — Streamed Live in LSU 326 – [Zoom Link](#)

Afternoon Session: 2:45 – 4:15 p.m.

2:45 – 2:55 p.m. **Carlyn Tanner**

Training an AI to play Snake Game using Machine Learning and Pytorch

Research Mentor: Bin Tang (Computer Science)

3:00 – 3:10 p.m. **Giovanni Rivera**

Nash Equilibria of Data Preservation in Base Station-less Sensor Networks

Research Mentor: Bin Tang (Computer Science)

3:15 – 3:25 p.m. **Alexis Main**

Employment Lockup After Penal Lockup: The Opportunities Within Fair Chance Hiring in California

Research Mentor: Thomas Norman (Management and Marketing)

3:45 – 3:55 p.m. **Jennifer Rebollo**

Health Disparities Among Pancreatic Cancer Patients

Research Mentor: Ken Seligson (Anthropology)

#11 Business, Education, Humanities, & Health Science Developmental Poster Session

February 22 — LSU Ballroom A & B

Evening Session: 2:45 – 4:15 p.m.

Savannah Gonzalez

Student Athletes and Career Development

Research Mentor: Margarita Landeros (Education)

Allison Ray, Korbin Kittelson, and Franco Martinez

Effect of Different Ankle Rigidity Levels on Agility

Research Mentors: Julie Werner (Occupational Therapy), and Jennifer Lučarević, and Mojtaba Kamyab (Orthotics and Prosthetics)

Melissa Campos, Jasmine Alonzo, and Katarina Torrez

The Role of Remote Versus in Person Learning on Academic Dishonesty

Research Mentor: Tatiana Basañez (Psychology)

John Geldbach

An Absence in the Historical Record: Jewish Artists in Europe from the Middle Ages to the Renaissance

Research Mentor: Kirstin Ellsworth (Art History)

Alina Morales

Influences in the Decision-Making Process of a Juror

Research Mentors: Sarah Britto and Saahir Shafi (Public Administration)

#12 Health, Nutrition, and Clinical Sciences Grad Oral I February 22 — LSU Ballroom C

Evening Session: 6:45 – 8:15 p.m.

6:45 – 6:55 p.m. Jonathan Alcantara, Hara Calderon, Anthony Gonzalez, and Kyle Gusto

Autistic Adults and their Experience with Employment

Research Mentor: Sheryl Ryan (Occupational Therapy)

7:00 – 7:10 p.m. Ashley Cespedes, Abigail Hakimi, Ariana Castillo, and Beatriz Adanza

Through the Lens of Substance Users in Recovery: A Photovoice Study

Research Mentor: Sheryl Ryan (Occupational Therapy)

7:15 – 7:25 p.m. Rebekah Boning, Nicole Stephanie Pantaleon, Julie E Schustack, and Amber Schwartz

Behind the Mask: Impression Management in Women With ADHD

Research Mentor: Sheryl Ryan (Occupational Therapy)

7:30 – 7:40 p.m. Nichole Campbell and Nicholas Fernando

A Retrospective Lived Experience: Benefits of a Faculty-Student Research Mentorship from Graduate Nursing Students' Perspectives

Research Mentor: Sally Mahmoud (Nursing)

7:45 – 7:55 p.m. Makenna Lu, Michelle Joyce, Barbara Lopez

The impact of the post-professional occupational therapy doctorate (POTD) on the career trajectories of occupational therapists

Research Mentors: Sheryl Ryan and Claudia Peyton (Occupational Therapy)

#13 Physical, Mathematical, and Biological Sciences

Grad Oral

February 22 — LSU 324

Evening Session: 6:45 – 8:15 p.m.

6:45 – 6:55 p.m. **Gabriel Angulo**

Ponderosa Pine Regeneration Response to Climate and Geomorphic Influences, Prescott National Forest, Arizona

Research Mentor: Parveen Chhetri (Earth Science)

7:00 – 7:10 p.m. **Michelle Mohr**

Changes in recent summer temperatures are influencing the radial growth of Pinus ponderosa in Prescott National Forest, Arizona

Research Mentor: Parveen Chhetri (Earth Science)

7:15 – 7:25 p.m. **Alexander Centner**

Coffee Borer Beetle's Habitat Expansion due to Climate Change

Research Mentor: Parveen Chhetri (Earth Science)

7:30 – 7:40 p.m. **Jorge Hernandez, Ashley Wickerman, Albert Barrios, and Rajan Singh**

Recruitment of Cytotoxic T Cells and Neutrophils Maintain Dormancy in MDA-MB-468 Triple Negative Xenografts

Research Mentor: Shehla Pervin (Biology)

#14 Behavioral & Social Sciences, and Education

Grad Poster

February 22 — LSU Ballroom A & B

Evening Session: 6:45 – 8:15 p.m.

Taylor Duffy, Denise Y. Aguiluz, Antonio Romero, and Yesenia Gonzalez

Gender, Disease-threat, and Self-efficacy as Predictors of Exercise Behaviors Among Diabetes At-risk Latinx College Students

Research Mentors: Silvia Santos and Maria Hurtado-Ortiz (Psychology)

Lauren Jensen, Zoe Allyson, Will Kellett, and Sara Merlock

Perception of Mobility Assistive Devices

Research Mentors: Julie Werner (Occupational Therapy), and Jennifer Lučarević, and Mojtaba Kamyab (Orthotics and Prosthetics)

Sheena Adolphus and Juana Hernandez-Jaime

Differences in the Use of Protective Behavioral Strategies Between Help Seekers and Non-Help Seekers Who Drink Heavily

Research Mentor: Kevin Montes (Psychology)

Jennifer Baker

Supporting Positive Mother-Infant Interactions among Adolescent and Young Adult Mothers

Research Mentor: Irene Tung

Harmony Gregorio, Gabriel Angulo, and Kahlil Scott-Moss

CSUDH Environmental Education Awareness

Research Mentor: Parveen Chhetri (Earth Science)

Kaitlyn Manoogian

Exercising for Your Brain: A Study on Exercise Intensity and Error Monitoring

Research Mentor: Kaylie Carbine (Psychology)

Alexander Camarillo, Stacy Zamora, Maria De La Torre

Promoting Minority Student Success in STEM through First-Year Seminar Experiences

Research Mentor: Philip Vieira (Psychology)

#15 P² Lab: Positive Perspectives in Research Developmental Session

February 22 — LSU 326

Evening Session: 6:45 – 8:15 p.m.

Research Mentors: Erin Barrett, Steven Frieze, and Monique Turner (Psychology), and Joanna Perez (Sociology)

6:45 – 6:55 p.m. Jennifer Correa, Nasim Karimi, Christian Riley, Miguel Perez, Priscilla Arriaga, & Jesus Molina
COVID-19 Pandemic Impact on CSUDH Students

7:00 – 7:10 p.m. Eliel Dominguez, Yadira Tanory, and Tyler O'Reilly
Resilience in light of anxiety

7:15 – 7:25 p.m. Dwashonique Sanford, Diana Minero, Ezquiel Minero, Tessy Onwukeme, Anahi Gomez, & Tosh Ayaes
Making the Invisible Visible; Resilience through Awareness of Microaggressions

7:30 – 7:40 p.m. Clark Moore, Hazar Nasrini, Aamira Lomax, and Nasim Karini
Authenticity and Cognitive Dissonance

7:45 – 7:55 p.m. Clark Moore, Dwashonique Sanford, Marlo Lozano, Adriana Segura, and Hunter Larini
Trans Empowerment

8:00 – 8:10 p.m. Marisol Najera, Chelsea Ramos, Michelle Garcia, Emily Guevara, Carmen, Ocegüera, Janelly Reyes, Janice Lima Espinoza, Iris Rico, and Anahi Gomez
Attitudes and Perceptions of Mental Health in the Latinx Community

#16 Undergraduate Roundtable I

February 22 — LSU 322

Evening Session: 6:45 – 8:15 p.m.

Vincent Temesvary

Identify genes involved in skin development in Zebrafish

Research Mentor: Fang Wang (Biology)

Precious Jones

The Positive Effects of Social Media on Well-being

Research Mentor: Ashley Membere (Psychology)

Aysa-Monae Collins

The Role of Prenatal Care for Preterm Birth Outcomes for Non-Hispanic Black Women

Research Mentor: Enrique Ortega (Health Science)

Tamiah Lacey

American Depression Glassware

Research Mentor: Sarah Taylor (Anthropology)

THURSDAY, FEBRUARY 23

#17 Physical & Mathematical Sciences Undergrad Oral February 23 — LSU 326

Morning Session: 9:00 – 10:30 a.m.

- 9:00 – 9:10 a.m. **Matthew Delgado and Alejandra Arjon**
A detailed study of the correlation between Late Gadolinium Enhancement (LGE) and Cardiac Sarcoidosis (CS) using Machine Learning Methods
Research Mentor: Yi Grace Wang (Mathematics)
- 9:15 – 9:25 a.m. **Moises Juarez Aboytes**
Strange Matter: Understanding Neutron Stars & Nuclear Fusion via Hyperon Decay
Research Mentor: John Price (Physics)
- 9:30 – 9:40 a.m. **Michael Pinkerton**
A Case for Feasibility of Short-Lived Beams for Nuclear Physics Research
Research Mentor: John Price (Physics)
- 9:45 – 9:55 a.m. **Guadalupe Mora, Nataly Mendoza, and Joey Kim**
Mathematical modeling of the spread of infectious diseases
Research Mentor: Alexander Chen (Mathematics)

#18 Biological Sciences II Undergrad Poster February 23 — LSU Ballroom A & B

Morning Session: 9:00 – 10:30 a.m.

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| Jocelyne Mena
<i>Identifying if ycfJ, yqgB, malZ and tfaS Play a Role in Long-Term Stationary Phase in Escherichia coli</i>
Research Mentor: Karin Kram (Biology) | Research Mentor: Kathryn Theiss (Biology) |
| Susana Lopez-Ignacio
<i>UBE3B in Autism Spectrum Disorder</i>
Research Mentor: Sonal Singhal (Biology) | David Giron Rodas and Melaine Singleton
<i>Using zebrafish to investigate the role of transcription factors batf2 and cebpd in early skin development and its interactions with sensory neurons</i>
Research Mentor: Fang Wang (Biology) |
| Victoria Espeso
<i>Investigating the regulator mechanism of purine metabolism in the Intracellular Pathogen response</i>
Research Mentor: Eillen Tecle (Biology) | Jessica Sklar
<i>Using Zebrafish as a Model System to Study the Effects of Microplastic Ingestion on Fecal Microbiomes</i>
Research Mentors: Fang Wang and Samantha Leigh (Biology) |
| Amanda Thomas
<i>Identification of Intracellular Pathogens from Wild-Caught Nematodes</i>
Research Mentor: Eillen Tecle (Biology) | Isabel Parada
<i>How does breeding system vary across populations of pale evening primrose (Oenothera pallida ssp. pallida)?</i>
Research Mentor: Kathryn Theiss |
| Ashley Sandoval
<i>Milkweed Microbiome</i> | |

#19 ONLINE Health Sciences, Business, and Education

February 23 — Streamed Live in LSU 324 – [Zoom Link](#)

Morning Session: 9:00 – 10:30 a.m.

- 9:00 – 9:10 a.m. **Jeannicet Bello**
The Influence of the COVID-19 Pandemic on College Students of Color and Their Experience with Returning to Campus
Research Mentor: Kelin Li (Sociology)
- 9:15 – 9:25 a.m. **Jason Leung**
The Effects of Evidence-Based Interventions on Hematopoietic Stem Cell Transplant Caregiver Strain and Burden: An Integrative Review
Research Mentor: Terri Ares (Nursing)
- 9:30 – 9:40 a.m. **Carlos Mora**
Adopting a Policy for Social Media Use to Improve Organizational Effectiveness in Nonprofit Health Care Organizations
Research Mentor: Rui Sun (Public Administration)
- 9:45 – 9:55 a.m. **Cindy Knapp**
Reducing Unplanned Extubation Occurrences in the NICU: An Integrative Review
Research Mentor: Terri Ares (Nursing)
- 10:00–10:10 a.m. **Kara Zorzoli, Andrew Bergum, Cassie Morton, and Devon Thompson**
Comparing Dynamic Alignment Tools on Prosthetic Legs for Unilateral Trans-Tibial Amputees: A Case Study
Research Mentors: Julie Werner (Occupational Therapy), and Jennifer Lučarević, and Mojtaba Kamyab (Orthotics and Prosthetics)

#20 Health, Nutrition, and Clinical Science II Grad Oral

February 23 — LSU Ballroom C

Afternoon Session: 1:00 – 2:30 p.m.

- 1:00 – 1:10 p.m. **Shelby Shelman, Ellyson Martens, Eric Simington, and Conner Irvin**
Custom Injected Silicone Liner for a Rotationplasty Running Prosthesis
Research Mentor: Mark Muller (Orthotics and Prosthetics)
- 1:15 – 1:25 p.m. **Hannah Smith, Armen Saryan, and Nyi Nyi Sett**
The Form, Function, and Meaning of Online Dating for an Adult with a Spinal Cord Injury: A Narrative Study
Research Mentor: Sheryl Ryan (Occupational Therapy)
- 1:30 – 1:40 p.m. **Carly Wong, Erica Ni, Alice Sinclair, and Daphne Wang**
The Long Haul: Stories of Persons with Long COVID and Their Loved Ones
Research Mentor: Sheryl Ryan (Occupational Therapy)
- 1:45 – 1:55 p.m. **Matthew Hoshiko, Elisabeth Kwon, and Aaron Mella**
"Death By a Thousand Cuts": The Lived Experience of Minoritized Occupational Therapists Navigating Workplace Microaggressions
Research Mentor: Sheryl Ryan (Occupational Therapy)
- 2:00 – 2:10 p.m. **Eileen Li, Julie Kim, Jane Hong, and Hannah Kleinbart**
Exploring the Changes in Parenting Occupations for Immigrants
Research Mentor: Sheryl Ryan (Occupational Therapy)

#21 Health, Nutrition, & Clinical Science Undergrad Poster

February 23 — LSU Ballroom A & B

Afternoon Session: 1:00 – 2:30 p.m.

Ana Castillo

Health Resource Accessibility on the Dominguez Hills Campus

Research Mentors: Ken Seligson and Sarah Lacy (Anthropology)

Charlize Alyssa Castillo

What is the Actual Composition of Uric Acid Stone

Research Mentor: Sen Wang (Chemistry and Biochem)

Aysa-Monae Collins

Analysis of Prenatal and Maternal Risk of Fetal Mortality

Research Mentor: Enrique Ortega (Health Science)

Vyvy Tran and Nuria Maida Safar

A description of cancer risk knowledge among college students and a test of the Structural Influence Model

Research Mentor: Erin Merz (Psychology)

#22 Marine Natural Products: Medicines from the Sea Undergraduate Symposium

February 23 — LSU 324

Afternoon Session: 1:00 – 2:30 p.m.

Research Mentors: Erin McCauley and Kari Pederson (Chemistry and Biochemistry)

1:00 – 1:10 p.m. Shaz Sutherland

Maximizing Biosynthesis of Secondary Metabolites from Marine-Derived Fungi for Biological Screening

1:15 – 1:25 p.m. Ana Ponce

Identification of Fungal Natural Products that Exhibit Cytotoxic Activity Towards a Brain Cancer Cell Line

1:30 – 1:40 p.m. Jeffrey Ocampo

Identification of Natural Products that Exhibit Bactericidal or Anti-virulence Activity Against Antibiotic Resistant Gram-Negative Pathogenic Bacteria

1:45 – 1:55 p.m. Sabrina Barata

Identifying Novel Chemical Scaffolds from Marine Derived Fungi using Tandem Mass Spectrometry based Molecular Networking

2:00 – 2:10 p.m. Jorge Hernandez Garcia

Natural Product Structure Elucidation using 1D and 2D Nuclear Magnetic Resonance Spectroscopy in Conjunction with Circular Dichroism Spectroscopy

2:15 – 2:25 p.m. Nathan Williams

Utilizing Global Natural Products Social Molecular Networking to Identify Novel Pyrrolo[4,3,2-de]quinoline compounds from the Marine Sponge, Zyzza fuliginosa

2:30 – 2:40 p.m. Edwin Chavez Santana

Probing of the microbiome of the marine sponge Jaspis splendens for the biosynthetic origin of Jasplakinolide.

#23 Behavioral, Social, & Health Sciences Undergrad Poster

February 23 — LSU Ballroom A & B

Afternoon Session: 2:45 – 4:15 p.m.

Maria Delgado and Kerry Moynihan

A Scoping Review of Alcoholism and Cannabis Use: Its Effects on Neurodevelopment

Research Mentor: Kevin Montes (Psychology)

Kerry Moynihan and Maria Delgado

Stimulants and Their Impulsive Consequences

Research Mentor: Kevin Montes (Psychology)

Paulina Vinolas and Bernard Amofa

When Does Gratitude Matter More for College Students' Resilience and Mental Health?

Research Mentor: Giacomo Bono (Psychology)

Aysa-Monae Collins

The Impact of Prenatal Care on Fetal Mortality in Black Mothers

Research Mentor: Enrique Ortega (Health Science)

Bernard Amofa and Paulina Vinolas

How Emotion Regulation Supported College Students'

Achievement and Resilience During the Covid-19 Pandemic

Research Mentor: Giacomo Bono (Psychology)

Anthony Makielski and Madison Reyna

Retrospective Self-Reports of Parental Monitoring

Research Mentor: Carl Sneed (Sociology)

Aliza Potter

Sooo, like? Are you pregnant? You know the statistics, right?:

An Analysis of Listening to Black Mothers in California.

Research Mentor: Ashley Membere (Psychology)

#24 Physical, Mathematical, and Computer Sciences

Undergraduate Poster

February 23 — LSU Ballroom A & B

Evening Session: 5:30 – 7:00 p.m.

Jose Guzman

Flood Estimation of Southern Fork Merced Watershed Using Spatial Analysis Techniques

Research Mentor: Parveen Chhetri (Earth Science)

Jose Guzman and Ian Yoon

Geospatial technology to map watershed and river order in San Bernardino County, CA

Research Mentor: Parveen Chhetri (Earth Science)

Stephanie Isidoro, Cindy Muñoz, Noah Soto, and David Saldana

Measuring the environmental impact of reducing single-use plastic water bottle usage on CSUDH campus.

Research Mentor: Parveen Chhetri (Earth Science)

Melissa Avila-Briones

*Identification of Putatively Novel Natural Products from a Marine Derived *Penicillium* sp. of Fungi*

Research Mentor: Erin McCauley (Chem and Biochem)

Anthony Trochez, Michelle Mohr, Gabriel Angulo, and Raju Bista

*Tree-Ring climate response of *Pinus ponderosa* in Prescott National Forest, Arizona*

Research Mentor: Parveen Chhetri (Earth Science)

Angel Perez, Rogelio Valdez, Nataly Mendoza, and Aileen Gandarilla

Sum-Free Sets in the Bubbling Cauldrons Problem

Research Mentors: Carolyn Yarnall, Jessalyn Bolkema, and Sharon Lanaghan (Mathematics)

Berenice Rojas

Indoor Ventilation quality monitoring using a self-built monitor

Research Mentor: Barbara Belmont (Chem & Biochem)

Yolanda McDow

Does a non-phthalate plasticizer contain phthalate?

Research Mentor: Barbara Belmont (Chem & Biochem)

Cody Nichols

Reduced Graphene Oxide Synthesis from Waste Biomass and Its Usage in the Fabrication of Capacitors and Supercapacitors

Research Mentor: Lamar Glover (Physics)

Justin Ruiz and Christopher Gonzalez

Prize-Collecting Traveling Salesman Problem: A Reinforcement Learning Approach

Research Mentor: Bin Tang (Computer Science)

Edlyn Pacheco

A Study of Belady's Anomaly in Page Replacement Algorithms

Research Mentor: Bin Tang (Computer Science)

#25 Behavioral and Social Sciences Developmental Undergrad Poster

February 23 — LSU Ballroom A & B

Evening Session: 5:30 – 7:00 p.m.

Janet Sanchez and Ashley Romero

The role of attachment styles on interpersonal relationships among adults

Research Mentor: Tatiana Basañez (Psychology)

Isaac Colin, Brianna Antunez, and Elena Rodriguez,

Adverse Childhood Trauma and Anxiety

Research Mentor: Tatiana Basañez (Psychology)

Leah Allen, Lizbeth Hernandez, and Jose Quintero

The Link Between Social Media and Anxiety

Research Mentor: Tatiana Basañez (Psychology)

Lesley Garcia, Jennifer Ibañez, Lucio Manzo, and Guadalupe Oropeza

The Role of Yoga Practices on Stress levels

Research Mentor: Tatiana Basañez (Psychology)

Diana Luna, Julia Marquez, and Kennedy Collins

Comparing Levels of Job Satisfaction and the Role of Job Benefits Among Union and Non-Union Employees

Research Mentor: Tatiana Basañez (Psychology)

Karina Martinez

The Effect of Exposure to Maps of US gun deaths on Attitudes about Guns

Research Mentor: Tatiana Basañez (Psychology)

Guadalupe Herrera

Beauty in the Chaos

Research Mentors: Joanna Perez (Sociology) and Ana Barragan (Toro Dreamers Success Center)

Maya Lince, Purshe Morales, Alexis Duschane, and Karla Torres Ruvalcaba

Social Media consumption and Mental Health Stigmas

Research Mentor: Tatiana Basañez (Psychology)

Monica Dorca, Vyvy Tran, Anthony Be, and Nuria Maida Safar

Examining the Impact of Accessibility to Resources on Educational Outcomes For First Generation College Students

Research Mentors: Erin Barrett, Steven Frieze, and Monique Turner (Psychology)

#26 Health, Nutrition, & Clinical Sciences Grad Oral III

February 23 — LSU Ballroom C

Evening Session: 5:30 – 7:00 p.m.

- 5:30 – 5:40 p.m. **Maria Fernanda Cervantes Godinez, Karla Carrillo Robles, Ceslee Gonzales, and Socorro Renee Cruz**
Occupational Therapy Practitioner's Experiences in Pediatric Telehealth During COVID-19
Research Mentor: Sheryl Ryan (Occupational Therapy)
- 5:45 – 5:55 p.m. **Krystal Lopez, Jocelyn Macias, and Ashley Hansack**
Experiences of 1st Generation Latinx Individuals and Their Occupation of Health Management
Research Mentor: Sheryl Ryan (Occupational Therapy)
- 6:00 – 6:10 p.m. **Catherine Ngo, Austin Shen, Tiffany Tran, and Jizelle Vilela**
Help me help others: The work experiences of occupational therapists with physical disabilities
Research Mentor: Sheryl Ryan (Occupational Therapy)
- 6:15 – 6:25 p.m. **Victoria Patten, Keegan Shepherd, Yvonne Querido, and Heather Nguyen**
Impact of Type 1 Diabetes on Family Dynamics
Research Mentor: Sheryl Ryan (Occupational Therapy)
- 6:30 – 6:40 p.m. **Amanda Martelli, Amy Lumley, John Jonson, Rachel Morgan**
Adult Reflections of Adolescent Experiences with Type 1 Diabetes
Research Mentors: Sheryl Ryan (Occupational Therapy)

#27 Behavioral Sciences, Arts, and Business

Undergrad Oral

February 23 — LSU 326

Evening Session: 5:30 – 7:00 p.m.

- 5:30 – 5:40 p.m. **Ricardo Lopez Jr.**
Weapon-Based Masculinity: Militarized Machismo in Roma, El Secreto De Sus Ojos, and El Norte
Research Mentors: Roderick Hernandez (English) and Andrea Johnson (History)
- 5:45 – 5:55 p.m. **Monique Mangum**
Gaddang: Grammaticalization & Rule Ordering
Research Mentor: Iara Mantenuto (English)
- 6:00 – 6:10 p.m. **Tiffany Amacker**
Customer Conflict Management: Identifying and Negotiating Resolutions
Research Mentor: Nancy Erbe (Negotiation)
- 6:15 – 6:25 p.m. **Michelle Avila**
Cerro Sechán: The Iconographic Mystery
Research Mentor: Jerry Moore (Anthropology)
- 6:30 – 6:40 p.m. **Daniella J. Enriquez**
Economic Impacts of Prohibition
Research Mentors: Andrea Johnson and Kate Fawver (History)
- 6:45 – 6:55 p.m. **Alicia Moore**
Deciding Factors of Hormones That Can Predict a Parent's Ability to Successfully Nurture Young
Research Mentor: Thomas Norman (Management)

#28 Behavioral Science, Education, Computer Science, and Public Administration Developmental Oral

February 23 — LSU 324

Evening Session: 5:30 – 7:00 p.m.

- 5:30 – 5:40 p.m. **Jazlyn Landaverde**
Identifying Gaps: Los Angeles City College and the Dream Resource Center
Research Mentor: Margarita Landeros (Education)
- 5:45 – 5:55 p.m. **Muhammad Umer Naeem and Kunal Parnami**
Employee Identification and Tracking System
Research Mentor: Alireza Izaddoost (Computer Science)
- 6:00 – 6:10 p.m. **Ashley Corsey**
Why women don't stay with cybersecurity and the barriers that arise and how to break them down
Research Mentor: Myron Z Sheu (Business Administration)
- 6:15 – 6:25 p.m. **Karina Ceja, Stephanie Cervantes, and Elia Arteaga**
The Role of Early Childhood Education on Academic Outcomes
Research Mentor: Tatiana Basañez (Psychology)
- 6:30 – 6:40 p.m. **Nallely Gutierrez, Abigail Morales, and Maria Morales**
Childhood Trauma and Levels of Income
Research Mentor: Tatiana Basañez (Psychology)

#29 Graduate Roundtable

February 23 — LSU 322

Evening Session: 5:30 – 7:00 p.m.

- Karla Torres**
Language ideologies and its impact on the practice of Chicanx English in higher education
Research Mentor: Iara Mantenuto (English)
- Jorge Roque**
Historically Disadvantaged Communities and Mental Health Practitioners evaluation of Mental Health Services: Moving Towards Health Equity
Research Mentor: Ashley Membere (Psychology)
- John W. Horton III**
African American English from Three Historically African American Catholic Communities in Los Angeles
Research Mentor: Iara Mantenuto (English)

FRIDAY, FEBRUARY 24

#30 Health, Nutrition, and Clinical Science Grad Poster

February 24 — LSU Ballroom A & B

Morning Session: 9:00 – 10:30 a.m.

Tiffany Salazar

*Administration of Minimal Enteral Nutrition During
Therapeutic Hypothermia*

Research Mentor: Terri Ares (Nursing)

**Christa Berry, Riley Greer, Shelby Rose Shelman, and
Ellyson Martens**

*Gross Motor Development in Children with Lower Limb
Differences*

Research Mentors: Julie Werner (Occupational
Therapy), and Jennifer Lučarević (Orth. and Prosth.)

**Karyssa Dela Cruz, Eric Andrews, Mazen Elhosseiny,
and Conner Irvin**

*Clinical Applications between Different Types of 3D
Scanners*

Research Mentor: Julie Werner (Occupational Therapy)

Blake Sanders, Eric Simington, and John Bishop

Osseointegration in Relation to Phantom Limb Pain

Research Mentors: Julie Werner (Occupational
Therapy), and Mojtaba Kamyab (Orthotics & Prosth.)

Megan Hertzog

*Occupational Noise in the Field of Orthotics and
Prosthetics*

Research Mentors: Julie Werner (Occupational
Therapy), and Jennifer Lučarević and Mojtaba Kamyab
(Orthotics and Prosthetics)

Lauren Jensen, Zoe Allyson, Will Kellett, & Sara Merlock

*Silicone Gloves Designed to Limit Vibration While Using
a Cast Saw*

Research Mentors: Julie Werner (Occupational
Therapy), and Jennifer Lučarević and Mojtaba Kamyab
(Orthotics and Prosthetics)

#31 Behavioral and Social Sciences Grad Oral

February 24 — LSU 324

Morning Session: 9:00 – 10:30 a.m.

- 9:00 – 9:10 a.m. **Brianne O'Donoghue**
Equitable Grantmaking in the Time of COVID-19: A Case Study
Research Mentors: Adriana Aldana and Andridia Mapson (Social Work)
- 9:15 – 9:25 a.m. **Ana Arvizu**
Abortion Attitudes Since Roe v Wades Legislation and Today
Research Mentor: Katy Pinto (Sociology)
- 9:30 – 9:40 a.m. **Eli Sarceno**
Evangelical Latino immigrants building 'community' in South [Central] L.A.
Research Mentors: Joanna Perez, Claudia Diera, and Kelin Li (Sociology)
- 9:45 – 9:55 a.m. **Denise Y. Aguiluz and Belen V. Guillen**
Effects of Intimate Partner Violence and Discrimination During Pregnancy on Black Women's Mental Health
Research Mentor: Irene Tung (Psychology)
- 10:00–10:10 a.m. **Ryan Vane**
Critical review of studies investigating the relationship between mTBI & long-term neurocognitive outcome
Research Mentor: Tara Victor (Psychology)

#32 Arts and Humanities Undergrad Oral

February 24 — LSU 326

Morning Session: 9:00 – 10:30 a.m.

- 9:00 – 9:10 a.m. **Caitlin McClister**
"Missteps and Misfires: Perceptions of the Japanese Attack on Pearl Harbor
Research Mentor: Andrea Johnson (History)
- 9:15 – 9:25 a.m. **Michelle Avila**
The Sacred Mystic: St. Catherine of Siena's Piety, Stigmata, and Holy Anorexia In Baroque Art
Research Mentor: Kirstin Ellsworth (Art History)
- 9:30 – 9:40 a.m. **Edmund Arevalo**
Family Ties
Research Mentor: Devon Tsuno (Art & Design)
- 9:45 – 9:55 a.m. **Florencia Bravo**
"Time is on my side": Examining the Exploitation of Feminine Bodies through the Masculine Need for Immortality in Mexican Gothic and Other Novels
Research Mentors: Helen Oesterheld and Roderick Hernandez (English)
- 10:00–10:10 a.m. **Jackeline Granados**
Full Metal Gothic: An Examination of Social Changes and Anxiety
Research Mentor: Helen Oesterheld (English)
- 10:15–10:25 a.m. **Ricardo Lopez Jr.**
Conventional Transgressors: A Contemporary Contradiction in the Gothic Heroines of Fledgling and Mexican Gothic
Research Mentor: Helen Oesterheld (English)

#33 Undergraduate Roundtable II

February 24 — LSU 322

Morning Session: 9:00 – 10:30 a.m.

Maria G. Prince

Impact of Anti-Mexican Policies and Attitudes on Blaxicans' Spanish Use

Research Mentor: Iara Mantenuto (English)

Shirin Jorayeva and Kunal Parnami

Addressing the Need of Government Workforce: From a Job Aggregator Tool to a Public Sector Alliance

Research Mentors: Rui Sun (Public Administration) and Krystal Rawls (Workforce Integration Network)

Aliza Potter

Ughh of Course She's Pregnant, you know those People!: Pregnant Black women experiences in healthcare and in the workplace

Research Mentor: Ashley Membere (Psychology)

Isabelle Hutchins

Sociolinguistic Attitudes of Tagalog Heritage Speakers

Research Mentor: Iara Mantenuto (English)