Greetings from President Parham

Research, discovery and dissemination of knowledge and ideas is at the heart of our university. This exploration and exchange fosters new understandings about the complexities of the world we live in.

Welcome to California State University, Dominguez Hills’ 16th Annual Student Research Day Conference. This week, we celebrate the achievements of our students who have been conducting original scholarly investigations—albeit virtually, rather than in person. In the face of great change this year, they have continued to demonstrate talent and ambition, and I recognize and appreciate their hard work and unique insights.

Here at CSU Dominguez Hills, our campus community works together to develop students by helping them to frame and interrogate the most important issues of our day as scholars and communicators. However, their research is not complete until they share it with the community. Consequently, Student Research Conference is essential to the mission of our campus.

I invite you to engage with our students by attending their virtual presentations and viewing their posters online. Also, you are encouraged to engage them in conversations that will provide opportunities for discovery, critical thinking, challenges, and further deep-structured analysis.

Sincerely,

Thomas A. Parham, Ph.D.
President
Welcome

Presenters, judges, faculty mentors, and guests:

To all members of our campus community,

Welcome to our annual celebration of student research achievement! This has been a hard year for all of us. In the midst of our professional and personal challenges brought on by this pandemic, we have worked to design a conference that will allow us all to slow down and enjoy the scholarship of our students at a comfortable pace. The oral presentations and poster sessions are available for your viewing at any time throughout this entire week. You will have an opportunity to chat with or ask questions to any of the presenters using the features of the conference website.

This event is made possible from the generous support of our sponsor, as well as Associated Students Inc. and the Office of the President. While we are now getting quite used to online events, this was the first time that our Student Research Conference was moved online and we've learned a lot of lessons in the process. Staff from the Graduate Studies and Research have been essential, and the conference was moved onto the website thanks to the Office of Undergraduate Research and volunteer faculty. I also am grateful to a team of dedicated faculty who stepped up this year, not just for judging, but also for planning this event over the past several months.

While we are able to remotely participate in the conference at our time of choosing this year, let's also look forward to seeing one another again in person a year from now, at the 17th Annual Student Research Conference!

Sincerely,

Terry McGlynn, Ph.D.
Professor of Biology
Conference Chair

We have made every effort to make the information in this program accurate and to include all participants. If we have made an error, or if we have inadvertently excluded you, please let us know at srday@csudh.edu and we will make corrections and provide you with an updated program.
# Conference Schedule

## Roundtable Discussion

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Virtual Room</th>
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<tbody>
<tr>
<td>MARCH 1</td>
<td>10:00 – 11:15 a.m.</td>
<td>LSU 320</td>
<td>Behavioral and Social Sciences, Biological and Agricultural Sciences</td>
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<tr>
<td></td>
<td>11:30 a.m. – 12:45 p.m.</td>
<td>LSU 322</td>
<td>Behavioral and Social Sciences, Biological and Agricultural Sciences, Health, Nutrition, and Clinical Sciences</td>
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<tr>
<td></td>
<td>6:00 – 7:00 p.m.</td>
<td>LSU 323</td>
<td>Education</td>
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<tr>
<td>MARCH 2</td>
<td>10:00 – 11:30 a.m.</td>
<td>LSU 320</td>
<td>Behavioral and Social Sciences, Creative Arts and Design, Engineering and Computer Sciences, Physical and Mathematical Sciences</td>
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<td>LSU Ballroom</td>
<td>The Journey to Graduate School I Panel Discussion</td>
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<tr>
<td></td>
<td>12:00 – 1:00 p.m.</td>
<td>LSU Ballroom</td>
<td>The Journey to Graduate School II Panel Discussion</td>
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## Oral Presentations – Q&A

Prerecorded presentations available starting March 1, 2021

<table>
<thead>
<tr>
<th>Date</th>
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<tbody>
<tr>
<td>MARCH 3</td>
<td>9:00 – 10:00 a.m.</td>
<td>LSU 320</td>
<td>Behavioral and Social Sciences I</td>
</tr>
<tr>
<td></td>
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<td>LSU 322</td>
<td>Biological and Agricultural Sciences I</td>
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<tr>
<td></td>
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<td>LSU Ballroom</td>
<td>The Journey to Research: More than One Road Panel Discussion</td>
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<td>1:00 – 2:00 p.m.</td>
<td>LSU 324</td>
<td>Humanities and Letters I</td>
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<td>2:30 – 3:30 p.m.</td>
<td>LSU 325</td>
<td>Physical and Mathematics Sciences I</td>
</tr>
<tr>
<td></td>
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<tbody>
<tr>
<td>MARCH 4</td>
<td>9:00 – 10:00 a.m.</td>
<td>LSU 320</td>
<td>Behavioral and Social Sciences II</td>
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<tr>
<td></td>
<td>10:00 – 11:00 a.m.</td>
<td>LSU 322</td>
<td>Business, Economics, and Public Administration I</td>
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<td>Life in Graduate School: The Adventure! Panel Discussion</td>
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<td>Humanities and Letters II</td>
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<td>LSU 323</td>
<td>Engineering and Computer Sciences I</td>
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<tr>
<td>MARCH 5</td>
<td>9:00 – 10:00 a.m.</td>
<td>LSU 320</td>
<td>Behavioral and Social Sciences III</td>
</tr>
<tr>
<td></td>
<td>10:00 – 11:00 a.m.</td>
<td>LSU 322</td>
<td>Creative Arts and Design I</td>
</tr>
<tr>
<td></td>
<td>1:00 – 2:00 p.m.</td>
<td>LSU 324</td>
<td>Physical and Mathematical Sciences II</td>
</tr>
<tr>
<td></td>
<td>2:30 – 3:30 p.m.</td>
<td>LSU 323</td>
<td>Health, Nutrition, and Clinical Sciences I</td>
</tr>
</tbody>
</table>

Poster Presentations are viewable all week via the online conference platform.
# Faculty Mentors

**Accounting and Law**  
Sheng Yi

**Anthropology**  
Jerry Moore, Sarah Lacy, Sarah Taylor, Kenneth Seligson,  
Sonja Ulrich, Susan Needham

**Art and Design**  
Kirstin Ellsworth, Devon Tsuno

**Biology**  
Shehla Pervin, Kathryn Theiss, Karin Kram, Justin Valliere,  
Sonal Singhal, Douglas Bartlette, Charlene McCord

**Business Administration, Public Administration and Public Policy**  
Zheng Yang, Rama Malladi, Orie Bereza, Rui Sun,  
Sarah Britto, Fynnwin Prager

**Chemistry**  
Erin McCauley, Barbara Belmont

**Chicana/Chicano Studies**  
Miguel Gutierrez

**Clinical Science**  
Payman Nasr

**Communications**  
Ana de la Serna

**Computer Science**  
Bhrigu Celly, Bin Tang, Mohsen Beheshti

**Community Health Option**  
Archana M. Sharma

**Earth Science**  
Parveen Chhetri, Tianjun Lu

**Education**  
Megumi Kuwabara

**English**  
Kimberly Huth, Debra Best, Andrew Kalaidjian,  
Roderick Hernandez, Helen Oesterheld

**Graduate Education**  
Pamela Robinson

**History**  
Doris Namala, Bianca Murillo

**Human Services**  
Edward Robinson

**Information Systems and Operations Management**  
Myron Shue, Nancy Deng

**Liberal Studies**  
Jen Stacy

**Mathematics**  
Carolyn Yarnall

**Management and Marketing**  
Orie Bereza, Thomas Norman, Kirti Celly

**Negotiation, Conflict Resolution and Peacebuilding**  
Brian Jarrett

**Nursing**  
Terri Ares

**Occupational Therapy**  
Sheryl Ryan

**Physics**  
Claudio Egalon, Harneet Grewal

**Political Science**  
Yeaji Kim

**Psychology**  
Steven Frieze, L. Mark Carrier, Monique Turner, Kevin Montes,  
Ashley Membre, Giacomo Bono, Tatiana Basanez,  
Olga Kozanian, Silvia Santos, Maria Hurtado-Ortiz,  
Erin Barrett, Philip Vieira

**Social Work**  
Quang Duongtran

**Sociology**  
Esther Castillo, Adam Sanford, Katy Pinto, Alexis McCurn

**Special Education**  
Kai Green

**Teacher Education**  
Jarod Kawasaki

**Theatre Arts**  
Shaunte Caraballo

**University Effectiveness, Planning and Analytics**  
Alana Olschwang

**Women’s Studies**  
Jennifer Brandt
While we have made every effort to include the names of all our judges in the program, changes may occur between the time this program is printed and Student Research Day on March 1, 2021. Please forgive us if we have not included your name and please know that we appreciate the effort each judge and session chair puts into making this day a success. Thank you!
**Student Research Conference Panels**

**TUESDAY, MARCH 2**

**The Journey to Graduate School I & II – LSU Ballroom**

Faculty panelists will discuss their graduate programs and provide tips. Q & A sessions will follow.

**Moderators**: Roya Azizi, Ph.D. and Heather Kitching, OTD, OTR/L

11:00 a.m. – 12:00 p.m. **Kate Esposito, Ph.D.**, Professor and Chair, Special Education, College of Education  
Adriean Mancillas, Psy.D., Professor of Counseling, Program Coordinator, School and College Counseling, College of Education  
Terry Peralta-Catipon, Ph.D., OTR/L, Associate Professor, Chair and Program Director, Department of Occupational Therapy, College of Health, Human Services and Nursing

12:00 – 1:00 p.m. **Annemarie Perez, Ph.D.**, Assistant Professor, Interdisciplinary Studies, College of Arts and Humanities  
Silvia Santos, Ph.D., Professor, Department of Psychology, Co-Coordinator, Master of Arts in Psychology Program. College of Natural and Behavioral Sciences  
Betty Vu, Ph.D., Assistant Dean, Graduate and Professional Programs, College of Business Administration and Public Policy

**WEDNESDAY, MARCH 3**

**The Journey to Research: More than One Road I & II**

**LSU Ballroom**

Faculty panelists from CSUDH and other campuses/institutions will discuss their personal journeys to research careers. Q & A sessions will follow.

**Moderators**: Erin Barrett, M.A. and Kai Greene, Special Education, Ph.D., CCC-SLP

11:00 a.m. – 12:00 p.m. **Mark Carrier, Ph.D.**, Professor, Department of Psychology, College of Natural and Behavioral Sciences. Research: Applied cognition, psychology of technology, cognitive psychology, critical thinking  
Kevin Montes, Ph.D., Assistant Professor, Department of Psychology, College of Natural and Behavioral Sciences. Research: Addiction, alcohol use, marijuana use, tobacco use, gambling, identity (e.g., recovery/drinking identity), protective behavioral strategies, motives, outcome expectancies, health disparities, and advance quantitative analyses.  
Philip Vieira, Ph.D., Associate Professor, Department of Psychology, College of Natural and Behavioral Sciences. Research: Behavioral Neuroscience, neuroplasticity, addiction, pharmacokinetics.
12:00 – 1:00 p.m. Maria Resendiz, Ph.D., CCC-SLP, Associate Professor, Communication Sciences and Disorders, Texas State University, San Marcos

Laura Rhinehart, Ph.D., Assistant Researcher, Center for Dyslexia, Diverse Learners and Social Justice, University of California, Los Angeles

Maryanne Wolf, Ph.D., Professor, University of California, Los Angeles. Research: Global literacy of neuroscience and reading

THURSDAY, MARCH 4

LIFE IN GRADUATE SCHOOL: THE ADVENTURE! – LSU Ballroom

Students currently pursuing research degrees at the doctoral or master level will discuss their journey of decision-making, and their experience in research degree programs. The discussion will focus on navigating all that is new and exciting with pursuing a career that includes research.

Moderators: Erin Barrett, M.A. and Kai Greene, Special Education, Ph.D., CCC-SLP

11:30 a.m. – 1:00 p.m. Jael Castro, Bachelor of Arts, Psychology, CSUDH Applicant, Ph.D. in Clinical Psychology and Master in Counseling

Daniel Correa, Bachelor of Arts, Psychology, minor in Management, CSUDH Graduate Student, Clinical Psychology, CSUDH

Taylor Anne Duffy, Graduate Student, Clinical Psychology at CSUDH Graduate Research Assistant, Positive Social Development and Dynamics Lab Graduate Research Assistant, Social and Developmental Research Lab

Taylor Hosea, Bachelor of Arts, Sociology, minor in Psychology, CSUDH Graduate Student, Social Work, CSUDH

Loree T. Pham, MS, OTR/L, Master of Science, Occupational Therapy, CSUDH Doctor of Philosophy student, Occupational Science, University of Southern California Graduate Research Assistant, Lifestyle Redesign® for Chronic Conditions Lab

Gilberto Sanchez, Bachelor of Arts, Psychology, CSUDH Research Assistant, Positive Psychology Lab, CSUDH

Roberto Villalta, Jr., Bachelor of Arts, Communicative Disorders, Cal State Los Angeles Graduate Student, Communication Sciences and Disorders, Cal State Los Angeles

Vanessa Monique Yanez, MS, OTR/L, Master of Science, Occupational Therapy, CSUDH Doctor of Philosophy Student, Occupational Therapy at Texas Woman’s University, Adjunct Instructor, University of St. Augustine, Austin, Texas
## Monday, March 1 – Roundtable Discussion

### Behavioral and Social Sciences, Biological and Agricultural Sciences – LSU 320

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
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</table>
| 10:00 – 10:15 a.m. | Alicia Smith, Maribel Gomez, Karina Jaimes, Theresa Serrato, Frances Rubio, Mariah Jacobo, Jessica Reyes, Undergraduate  
*Examining Academic Success in First-Generation College Students and Identifying the Factors Most Conducive to Their Success*  
Faculty Mentor: Erin Barrett, Psychology |
| 10:15 – 10:30 a.m. | Jessica Moron, Nasim Karimi, Undergraduate  
*The Differential Impact of COVID-19 on Communities. Is the Pandemic Leaving a Lasting Mark on the Latinx Community?*  
Faculty Mentor: Steven Frieze, Psychology |
| 10:30 – 10:45 a.m. | Mayra Hernandez, Undergraduate  
*Effects of Nitrogen Deposition, Climate, and Fire on Soil Nitrogen Availability*  
Faculty Mentor: Justin Valliere, Biology |
| 10:45 – 11:00 a.m. | Joseph Villarreal, Graduate  
*First Generation Latinx Perspective of Law Enforcement and Police Brutality*  
Faculty Mentor: Danny Madrid, Sociology |
| 11:00 – 11:15 a.m. | Maria De La Torre, Undergraduate  
*Understanding the Neurobiological Factors that Support Addiction using a Rat Model of Cocaine Abuse*  
Faculty Mentor: Philip Vieira, Psychology |
Behavioral and Social Sciences, Biological and Agricultural Sciences, Health, Nutrition and Clinical Sciences – LSU 322

11:30 – 11:45 a.m.  Paul Dinh, Graduate
Giving our Slow Growing Coral a Little Boost
Faculty Mentor: Charlene McCord, Biology

11:45 a.m. – 12:00 p.m.  Casey Caprioglio, Graduate
An Ethnographic Study of the Influence of COVID-19 on First year Residents and Nurses
Faculty Mentor: Esther Castillo, Sociology

12:00 – 12:15 p.m.  Francisco Gonzalez, Undergraduate
Los Angeles Punk Rock
Faculty Mentor: Jen Stacy, Liberal Studies

12:15 – 12:30 p.m.  Cesar Ovando, Undergraduate
Sobreviviendo en las Tierras Altas: Guatemalan Maya Continuities, Resistance, and Adaptions in the Colonial Era
Faculty Mentor: Doris Namala, History

12:30 – 12:45 p.m.  Myrta Rivera, Graduate
Media Mass Murder
Faculty Mentor: Brian Jarrett, Negotiation, Conflict Resolution and Peacebuilding
### Education – LSU 323

**6:00 – 6:15 p.m.** Jennifer Hernandez-Rosa, Undergraduate  
*Early Teacher Retention Issues among Working-Class Students of Color*  
Faculty Mentor: Jarod Kawasaki, Teacher Education

**6:15 – 6:30 p.m.** Veronica Khalil, Graduate  
*A Bilingual Study-Utilizing Dynamic Assessment to Measure Narrative Language in English Learner Preschool Students with a Speech and Language Impairment.*  
Faculty Mentor: Kai Greene, Special Education

**6:30 – 6:45 p.m.** Melanie Gerner, Undergraduate  
*Reducing Invisible Equity Gaps: The Effects of Whole Person Advising on Student-Parent Graduation Rates*  
Faculty Mentor: Thomas Norman, Management & Marketing and Ana de la Serna, Communications

**6:45 – 7:00 p.m.** Kelsey Loup, Graduate  
*Game Point: Career readiness among College Athletes*  
Faculty Mentor: Pamela Robinson, Graduate Education
### Tuesday, March 2 – Roundtable Discussion

**Behavioral and Social Sciences, Creative Arts and Design, Engineering and Computer Science, Physical and Mathematical Sciences – LSU 320**

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter</th>
<th>Title</th>
<th>Faculty Mentor</th>
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<tbody>
<tr>
<td>10:00 – 10:15 a.m.</td>
<td>Matthew Taylor, Graduate</td>
<td><em>Pledge of Allegiance: The Political Efficacy of Historically Black Greek Letter Organizations</em></td>
<td>Alexis McCurn, Sociology</td>
</tr>
<tr>
<td>10:15 – 10:30 a.m.</td>
<td>Tania Lugo, Undergraduate</td>
<td><em>Opioid Use Disorder and Sleep: Investigating the Neurobiological Correlates</em></td>
<td>Philip Vieira, Psychology</td>
</tr>
<tr>
<td>10:30 – 10:45 a.m.</td>
<td>Griselda Rivera-Orochena, Undergraduate</td>
<td><em>Blindspot: The Double Erasure of Queer Central Americans</em></td>
<td>Alexandro Hernandez, Chicano/Chicana Studies</td>
</tr>
<tr>
<td>10:45 – 11:00 a.m.</td>
<td>Paris Orozco, Undergraduate</td>
<td><em>Male Gaze in Art</em></td>
<td>Kirstin Ellsworth, Art &amp; Design</td>
</tr>
<tr>
<td>11:00 – 11:15 a.m.</td>
<td>Anand Mishra, Graduate</td>
<td><em>Improving Sentiment Analysis by Introducing Emotion Detection</em></td>
<td>Mohsen Beheshti, Computer Science</td>
</tr>
<tr>
<td>11:15 – 11:30 a.m.</td>
<td>Jason Guerrero, Undergraduate</td>
<td><em>Identification of Bioactive Natural Products from Marine Sponges that Exhibit Selective Cytotoxicity Against Solid Tumor Cell Lines.</em></td>
<td>Erin McCauley, Chemistry</td>
</tr>
</tbody>
</table>
Wednesday, March 3 –
Oral Presentations Q&A

Behavioral and Social Sciences I – LSU 320
9:00 – 10:00 a.m.

Cesar Ovando, Undergraduate
Faculty Mentor: Kenneth Seligson, Anthropology

Chloe Aftalion, Piper Asten, Amber Ferrari, Jennifer Duffy, Graduate
Commonalities in Treating Eating Disorders: The Experiences of Occupational Therapists
Faculty Mentor: Sheryl Ryan, Occupational Therapy

Colleen Vuong, Naomi Nelson, Shayna Quach, Brandon Thomas, Graduate
The Lived Experiences of Minority Mothers in the Neonatal Intensive Care Unit and the Role of Occupational Therapy
Faculty Mentor: Sheryl Ryan, Occupational Therapy

Cristina Garcia, Michelle Alfonso, Greg Dolmage, Briana Fajardo, Graduate
The Lived Experience of Sons Caregiving for their Parents with Alzheimer’s Disease or Dementia
Faculty Mentor: Sheryl Ryan, Occupational Therapy

Crystal Solano, Sarah Anne Nakamura, Michelle Vuong, Natalie Pinchuk, Graduate
The Impact of Performance Patterns & Spirituality on Post-Rehabilitation Individuals Recovering from Substance Use Disorder
Faculty Mentor: Sheryl Ryan, Occupational Therapy

Daisha Campbell, Undergraduate
Anti-Immigrant Attitudes in the United States
Faculty Mentor: Yeaji Kim, Political Science

Elizabeth De Leon, Veronica Rodarte, Yunnia Jimenez, Jessica Vazquez, Undergraduate
The Effect of Using Red versus Green Ink on a Quiz on Women’s Memory Recall: Exploring Premenstrual Tension and Anxiety
Faculty Mentor: Tatiana Basanez, Psychology

Heather Bocianski, Julia Adams, Nader Abolhosn, Elisabeth Bolten, Graduate
The Lived Experiences of Identity Reconstruction in Individuals with an SCI who Participate in Outdoor Recreation
Faculty Mentor: Sheryl Ryan, Occupational Therapy

Carla Lopez, Undergraduate
The Roots of Ethnic Conflicts
Faculty Mentor: Adam Sanford, Sociology
Biological and Agricultural Sciences I – LSU 322
10:00 – 11:00 a.m.

Liz Solis, Undergraduate
Delimiting Species in the Australian Lizard, Ctenotus
Faculty Mentor: Sonal Singhal, Biology

Gabriel Angulo, Eric Thai, Undergraduate
Geomorphic Processes and Patterns Controlling the Spatial Structure of Treeline in Makalu Barun National Park, Eastern Nepal Himalayas
Faculty Mentor: Parveen Chhetri, Earth Science

Gregory Lazzarino, Undergraduate
Using Amps to Determine Transformation Efficiency in CRISPR
Faculty Mentor: Harneet Grewal, Physics

Raul Gutierrez, Bronte Shelton, Luke Fisher, Undergraduate
Comparative Genomic Analysis of Halophilic and Xerophilic Microbes to Elucidate Adaptation to Chaotropic and Low Water Activity Environments.
Faculty Mentor: Douglas Bartlett, Biology

Humanities and Letters I – LSU 324
1:00 – 2:00 p.m.

Anna Doney, Undergraduate
The Performance and Specificity of Death in Renaissance Tragedy and Its Impact on Perception and Catharsis
Faculty Mentor: Kimberly Huth, English

Jackson Martinez, Graduate
The Flâneuse and Phantasmagoria in the Cosmopolis
Faculty Mentor: Andrew Kalaidjian, English

Jasmine Abang, Undergraduate
Faculty Mentor: Doris Namala, History

Jeremy Quinonez, Alumni
Revisiting Lumumba’s Political Identity through a Colonial Lens in De-Colonial Congo (1956-1965)
Faculty Mentor: Bianca Murillo, History
Physical and Mathematical Sciences I – LSU 325
2:30 – 3:30 p.m.

Omar Santizo, Claire Ladan, Justin Hathaway, Undergraduate
*Improving Undergraduate Chemistry Education Analyzing Biochemical Redox Analytes Using a Student-Built Potentiostat*
Faculty Mentor: Barbara Belmont, Chemistry

Orji Ezieme, Graduate
*Hazardous Air Surrounds West Carson*
Faculty Mentor: Parveen Chhetri, Earth Science

Raju Bista, Graduate
*Climate-driven Differing Growth Performances of Cohabitant Abies spectabilis and Betula utilis in the Subalpine Forest in Dhorpatan Nepal*
Faculty Mentor: Parveen Chhetri, Earth Science

Mary Bishop, Alumni
*Planning for Conflict with Urban Coyotes*
Faculty Mentor: Tianjun Lu, Earth Science

Education I – LSU 323
6:00 – 7:00 p.m.

Icela Pantoja-Zamudio, Undergraduate
*Child Language Development: Influence of Multilanguage Exposure and Socioeconomic Status.*
Faculty Mentor: Megumi Kuwabara, Education

Sarah Mecklenburg, Graduate
*Special Education and General Education Teachers Attitudes and Perceptions on How They Feel About Students with Intellectual Disabilities and the Bullying of Students with Intellectual Disabilities*
Faculty Mentor: Kai Greene, Special Education
Thursday, March 4 –  
Oral Presentations Q&A

Behavioral and Social Sciences II – LSU 320
9:00 – 10:00 a.m.

Helen Chan, Kimberly Ayala, Sabrina Belen, Christina Chu, Graduate  
The Ethnicity of Occupational Therapists in Southern California: Experiences in the Workplace and with Clients  
Faculty Mentor: Sheryl Ryan, Occupational Therapy

Janet Mejia, Alumni  
Generational Outlooks on Hospice Enrollment: Does Acculturation Matter?  
Faculty Mentor: Sonja Ulrich, Anthropology

Josef Noah Joshua Dizon, Samantha Betts, Cindy Carrillo, Lauren Fukuyama, Graduate  
The Lived Experience of Intimate Relationship of Adults with Cerebral Palsy  
Faculty Mentor: Sheryl Ryan, Occupational Therapy

Juliet O’Brien, Rachel Reyes, Mele Weaver, Graduate  
The Occupational Aftermath of Sexual Assault Survivors  
Faculty Mentor: Sheryl Ryan, Occupational Therapy

Kori Kutsch, Megan Guerra, Katy Kelley, Katy Kwan, Graduate  
Lived Experiences of Parents Who Have Adopted Children with Mental and Behavioral Health Challenges  
Faculty Mentor: Sheryl Ryan, Occupational Therapy

Lauren Viloria, Courtney Ramirez, Michael Tran, Caresse Zhong, Graduate  
Understanding the Occupation of Drag  
Faculty Mentor: Sheryl Ryan, Occupational Therapy

Melanie Ramirez, Mary Grace Perez, Justin Navarro, Bernice Verzosa, Graduate  
The Impact of Stroke on Transportation Use in the Greater Los Angeles Area  
Faculty Mentor: Sheryl Ryan, Occupational Therapy

Anthony Onwuegbuzia, Undergraduate  
Catching Fades: An Examination of Black Barbershop Culture  
Faculty Mentor: Edward Robinson, Humanities
Business, Economics, Public Administration I – LSU 322
10:00 – 11:00 a.m.

Sara Garcia, Undergraduate
*Handwritten Journaling, Creative Thinking, and Humanity*
Faculty Mentor: Orie Berezan, Management & Marketing

Alan Augusto, Santos Couto, Brenda Arellano, Undergraduate
*The Impact of Students’ Backgrounds on Their Excel Learning Effectiveness*
Faculty Mentor: Sheng Yi, Accounting & Law

Jennifer Van, Graduate
*Engaging Citizens in the Budget Process: Implications on Police-Community Relationships*
Faculty Mentor: Rui Sun, Public Administration, Sarah Britto, Public Administration

Lauren Hull, Graduate
*Effects of Law & Public Policy on the Supply of Women’s Healthcare Providers in California*
Faculty Mentor: Fynwinn Prager, Public Administration

Rushi Patel, Megan Baker, Undergraduate
*An Empirical Study of Undergraduate Students’ Interest in Technical and Analytical Jobs and Their Motivation to Learn Excel Skill*
Faculty Mentor: Nancy Deng, Information Systems and Operations Management

Susana Saborio, Undergraduate
*Understanding Adversities of Gig Workers from Different Online Platforms and By Worker Characteristics*
Faculty Mentor: Nancy Deng, Information Systems and Operations Management

Nirnay Thoolkar, Graduate
*Studying Resiliency and Retention of University on Student Recovery Planning Survey*
Faculty Mentor: Rama Malladi, Accounting, Finance and Economics

Joshua Mean, Alumni
*Thriving in College during a Pandemic: Explaining COVID-19 Affected Student GPA Performance using the Thriving Quotient*
Faculty Mentor: Rama Malladi, Accounting, Finance and Economics

Cat Munsen, Sarah Franks, NaKayla Williams, Graduate
*Abolitionist Reform to Reimagine Policing: Defund the LAPD and Reinvest in Black Communities*
Faculty Mentor: Fynwinn Prager, Public Administration
Humanities and Letters II – LSU 324
1:00 – 2:00 p.m.

Joseline Gonzalez, Undergraduate
“Padre, Perdóname!”: Machismo, Family Structures, and Safe Spaces in Empanada and Butterfly Boy
Faculty Mentor: Roderick Hernandez, English

Katie Collin, Graduate
Medieval Women as Monsters: Taming Beast and Beauty
Faculty Mentor: Debra Best, English

Maha Furrukh-Butt, Undergraduate
Subverting Servants in The Revenger’s Tragedy
Faculty Mentor: Kimberly Huth, English

Matthew Hernandez, Undergraduate
“Please Don’t Kill Me”: Confronting Racist Violence in Contemporary Young Adult Literature
Faculty Mentor: Helen Oesterheld, English

Engineering and Computer Sciences – LSU 323
2:30 – 3:30 p.m.

Deepa Kishore, Malani Dhanraj Rana, Graduate
Transcript Reader (Android app)
Faculty Mentor: Bhrigu Celly, Computer Science

Phillip Aguilera, Undergraduate
Virtual Network Function Load Balancing in Cloud Data Centers Using Machine Learning
Faculty Mentor: Bin Tang, Computer Science

Jennifer Ly, Undergraduate
VM Migration for Dynamic VM Traffic in Policy Aware Data Centers
Faculty Mentor: Bin Tang, Computer Science

Sterling Abrahams, Graduate
Migrating Virtual Network Functions in Dynamic Cloud Data Centers Using Reinforcement Learning
Faculty Mentor: Bin Tang, Computer Science

Yeswanth Saidu Sai Polu, Graduate
A Dynamic Data Resilience Algorithm for Sensor Networks
Faculty Mentor: Bin Tang, Computer Science
Friday, March 5 – Oral Presentations Q&A

Behavioral and Social Sciences III – LSU 320
9:00 – 10:00 a.m.

Nadia Saleh, Abigail Reihanian, Nancy Saucedo, Laura Toda, Graduate
*Coping Experiences amongst Caregivers for Persons with Chronic Conditions*
Faculty Mentor: Sheryl Ryan, Occupational Therapy

Peter Fuqua, Karla Santa Cruz, Undergraduate
*Food Culture in Cambodia: Influences and Practices*
Faculty Mentor: Susan Needham, Anthropology

S. Cortez-Flores, Graduate
*The Descent of the Institutionalized Marriage: Queer Latinx Millennial/ Gen Z Perspectives of Same-Sex Marriage*
Faculty Mentor: Katy M. Pinto, Sociology

Shanna Massachi, Nicole (Nicky) Lai, Alexander (Alex) Mastrovito, James (Jimmy) Merrigan, Graduate
*Grief, New Pet Ownership, and Occupational Participation: Pets Breaking Down Occupational Barriers*
Faculty Mentor: Sheryl Ryan, Occupational Therapy

Stephanie Hoang, Jennifer Dabin Kim, Ada Le, Zachary Michaels, Graduate
*The Experience of College Students with Depressive Symptoms Participating in Online Instruction during COVID-19 Pandemic*
Faculty Mentor: Sheryl Ryan, Occupational Therapy

Sydney A. Johnson, Undergraduate
*Rolling with the Girls*
Faculty Mentor: Olga Kozanian, Psychology

Taylor Duffy, Daniel Correa, Denise Aguiluz, Isabel Munoz, Graduate
*Socio-cultural Factors, Health Status Indicators and Health Beliefs that Predict Diabetes Risk among Latinx College Students*
Faculty Mentor: Silvia Santos, Psychology, Maria Hurtado-Ortiz, Psychology

Teresa Lam, Jaclyn Ingram, Alexandra Krizek, Annika Lin, Graduate
*The Occupational Experiences of Women with Late Autism Spectrum Disorder Diagnosis*
Faculty Mentor: Sheryl Ryan, Occupational Therapy

Vanessa Flores, Jennifer Dee, Michelle Franco, Graduate
*Dating and Sexuality Experiences Among Transition-Age Individuals With Autism Spectrum Disorder: A Narrative Study*
Faculty Mentor: Sheryl Ryan, Occupational Therapy
Clare Brodak, Manisha Maddi, Alumni
Thematically Analyzing the Library Gerth Archives COVID-19 Special Collection, Institutional Needs Assessment and Recovery Datasets, and a Primary “Thriving Quotient +” Survey to Understand Toro Resilience and Thriving in the Time of Coronavirus.
Faculty Mentor: Kirti Celly, Management & Marketing, Rama Malladi, Accounting, Finance and Economics, Alana Olschwang, University Effect Plan & Analytics

Creative Arts and Design I – LSU 322
10:00 – 11:00 a.m.

Keya Hossain, Undergraduate
Artifact Piece (1987) - The Living, Breathing Specimen
Faculty Mentor: Kirstin Ellsworth, Art and Design

Khasnaa Juma, Undergraduate
Art and Environmental Sustainability in High Fashion
Faculty Mentor: Devon Tsuno, Art and Design

Meredith Gossland, Graduate
Propaganda Art as a Social Construct in the 21st Century
Faculty Mentor: Kirsten Ellsworth, Art and Design

Pravinesh Chand, Undergraduate
“Silence is Not Our Strength: Challenging Gender Norms in Indian Culture”
Faculty Mentor: Shaunte Caraballo, Theatre Arts

Physical and Mathematical Sciences II – LSU 324
1:00 – 2:00 p.m.

Eric Thai, Graduate
Treeline-Nepal
Faculty Mentor: Parveen Chhetri, Earth Science

Karlee Rivera, Undergraduate
Does Los Angeles County Property Value Alter Due to Proximity to Fault Lines?
Faculty Mentor: Parveen Chhetri, Earth Science

Michael Franco, Undergraduate
Distribution of Bristlecone Pines in Future Climate Change Scenario
Faculty Mentor: Parveen Chhetri, Earth Science

Michelle Mohr, David Saldana, Gabriel Angulo, Raju Bista, Undergraduate
Tree-ring Climate Response of Jeffrey Pine in the Cascade Creek Watershed, Northern California
Faculty Mentor: Parveen Chhetri, Earth Science
Health, Nutrition, and Clinical Sciences I – LSU 323
2:30 – 3:30 p.m.

Jocelyn Dominguez, Undergraduate
Alcohol Use & Perceptions among College Students
Faculty Mentor: Archana M. Sharma, Community Health Option

Judy Lee, Tien (Alison) Ho, Celeste Lau, Angelica Mones, Graduate
Experience of New Motherhood on Occupations, Roles, and Routines
Faculty Mentor: Sheryl Ryan, Occupational Therapy

Kelli Kato, Gabrielle Jee, Kira Makuta, Graduate
Perceptions of Nature-Based Occupational Therapy for the Geriatric Population: A Photovoice Study
Faculty Mentor: Sheryl Ryan, Occupational Therapy

Sylvia Pabon Andraca, Graduate
Does the Use of Oral Glucose Lower Neonatal ICU Admissions or Lengths of Stay in Asymptomatic Neonates at Risk for Transient Hypoglycemia?
Faculty Mentor: Terri Ares, Nursing

Kamila Trzanek, Undergraduate
Clinical Laboratory: Lessons Learned from COVID-19
Faculty Mentor: Payman Nasr, Clinical Sciences
Monday-Friday, March 1–5, 2021
Posters Presentations

Poster Presentations are viewable all week via the online conference platform.

**Behavioral and Social Sciences**

**Chelsea Ramos, Jael Castro, Alberto Cedillo, Michelle Garcia, Anahi Gomez, Emily Guevara, Sophia Lozano, Gerald Martinez, Carmen Oceguera, Janelly Reyes, Iris Rico, Paula Rodriguez, Gilberto Sanchez, Diana Valdez, and Faviola Varela**, Undergraduate
*Latinx Perceptions on Mental Health*
Faculty Mentor: Steven Frieze, Psychology

**Jean Pickard**, Undergraduate
*Monterey Chert Trace Element Analysis: Source Provenance at The Palos Verdes Peninsula, Ca. – Proposal*
Faculty Mentor: Jerry Moore, Anthropology

**Efrain Arroyo**, Undergraduate
*Using Google Earth for Archaeological Research: A Virtual Survey of the Inca Road Network between Machu Picchu and Choquequirao*
Faculty Mentor: Jerry Moore, Anthropology

**Elizabeth Mallonee**, Undergraduate
*Honoring the Dead and Defining Territory – The Role of Irish Court Tombs in the Neolithic*
Faculty Mentor: Jerry Moore, Anthropology

**Elizabeth Trost**, Undergraduate
*Transplant Tourism and the Business of Organ Donation*
Faculty Mentor: Sarah Lacy, Anthropology

**Kevin Kausen**, Undergraduate
*Side Illuminated Liquid Level Optical Fiber Sensor for Hydroponic*
Faculty Mentor: Claudio Egalon, Physics

**Jael Castro, Joshua-Zion Hunter, Ronald Jackson, Anahi Gomez, Karina Jaimes, Alumni**
*2020-2022 CSUDH ‘It Takes A Village’ Discussion and Action Series*
Faculty Mentor: Monique Turner, Psychology

**Janet Mejia, Heather Chaides, Lesli Hernandez Arevalo, Yoel Meza, Patricia Saldana, Arlene Barraza, Yessica Chavez**, Undergraduate
*Defining Community Engagement*
Faculty Mentor: Sonia Ulrich, Anthropology

**Nancy Sanchez**, Undergraduate
*Ethical Issues Surrounding the Archaeological use of LiDAR Technology*
Faculty Mentor: Kenneth Seligson, Anthropology
Joseph Villarreal, Graduate
The Neoliberal Mirage: How everyone was tricked into a System that has just Generated Inequality
Faculty Mentor: Esther Castillo, Sociology

Yesenia Gonzalez, Undergraduate
Impacts of the COVID-19 Pandemic on Women and Men’s Well-Being
Faculty Mentor: Giacomo Bono, Psychology

Yadira Ramirez, Gabrielle Makrdichian, Jael Castro, Nicole Figueroa, Melanie Gerner, Undergraduate
www.Fakenews.You: Cognition’s Influence On People’s Reactions To False Internet Information
Faculty Mentor: Dr. Mark Carrier, Psychology

Biological and Agricultural Sciences

Albert Barrios, Michael Reed, Nataly Arias, Undergraduate
Examining Genetic Signatures between Fast and Slow Growing Tumors in African American Triple Negative Breast Cancer
Faculty Mentor: Shehla Pervin, Biology

Jose Garfias, Michael Reed, Nataly Arias, Albert Barrios, Undergraduate
Increased Angiogenesis and Embryotic Stem Cell Signatures Contribute to Delayed Growth of MDA-MB-468 Xenografts
Faculty Mentor: Shehla Pervin, Biology

Natalya Cardona, Miriam Weinberg, Ebonie Bennett, Undergraduate
Faculty Mentor: Erin McCauley, Chemistry

Kelly Hendergart, Justin Elloran, Graduate
The Relationship between Median Household Income and Average Yearly AQI in LA County
Faculty Mentor: Parveen Chhetri, Earth Science

Alicia Salmeron, Graduate
Infiltration Rates within Two Different Sites at CSUDH
Faculty Mentor: Kathryn Theiss, Biology

Lari Smith, Undergraduate
Identification of Marine Sponge Natural Products that Inhibit the Type III Inhibition System in Pathogenic Bacteria
Faculty Mentor: Erin McCauley, Chemistry

Raul Gutierrez, Erik Martinez, Undergraduate
Students Identifying Genes That Play a Role in Long-Term Stationary Phase
Faculty Mentor: Karin Kram, Biology

Business, Economic, and Public Administration

Sara Garcia, Undergraduate
Handwritten Journaling, Creative Thinking, and Humanity
Faculty Mentor: Orie Berezan, Management & Marketing

Marcia Torres, Andrea Galindo, Adam Zamarripa, Keith O’Shea, Undergraduate
Juvenile Delinquency in Los Angeles
Faculty Mentor: Zheng Yang, Public Administration

Jennifer Atienza, Miguel Espinoza, Jennifer Atienza, Genesis Lara, Johnathan Perez, Undergraduate
Police and Community Relationships Post 2020
Faculty Mentor: Zheng Yang, Public Administration

Luis Ocon, Undergraduate
An Analysis of Challenges Encountered in IS Development
Faculty Mentor: Myron Sheu, Information Systems and Operations Management

Madison Reyna, Graduate
Effects of COVID-19 on Student Needs and Learning
Faculty Mentor: Rama Malladi, Accounting, Finance and Economics
Education

Daisy Cruz Cervantes, Graduate
Inclusion in Preschool: Using Embedded Instruction (EI) and Augmentative and Alternate Communication (ACC) to Teach Expressive and Receptive Language Skills to Preschool Children with Intellectual Disabilities
Faculty Mentor: Kai Greene, Special Education

Leidy Camacho Solares, Graduate
Perceptions and Opinions of LAUSD Teachers Working in a Preschool Collaborative Setting: The Effect it has on Classroom Instruction and Student Outcome Pre Pandemic and Post Pandemic.
Faculty Mentor: Kai Greene, Special Education

Melanie Gerner, Undergraduate
Reducing Invisible Equity Gaps to Increase Student Parent Persistence and Success
Faculty Mentor: Thomas Norman, Management & Marketing and Ana de la Serna, Communications

Health, Nutrition, and Clinical Sciences

Alex Perez, Undergraduate
Mapping Accessible Shelters in LA County Using Geographic Information Systems (GIS)
Faculty Mentor: Parveen Chhetri, Earth Science

Humanities and Letters

Ev Campos Martinez, Undergraduate
Understanding Butch Lesbian Culture: Are Butches A Dying Breed?
Faculty Mentor: Jennifer Brandt, Women Studies

Raquel Serrano, Undergraduate
All Social, No Justice? A Feminist Critical Analysis of the Performativity of Social Justice via Instagram
Faculty Mentor: Jennifer Brandt, Women Studies

Melissa Rodriguez, Undergraduate
Serial Killers and their Characteristics
Faculty Mentor: Zheng Yang, Public Administration
Physical and Mathematical Sciences

Allison Pary, David Saldana, Scarlett Zamora, Graduate
*A Comparative Evaluation on the Performance of Food Waste Diversion at California State University Dominguez Hills*
Faculty Mentor: Justin Valliere, Biology

German Bravo-Villasenor, Graduate
*Hexavalent Chromium Emissions and Sensitive Receptors in Los Angeles County*
Faculty Mentor: Parveen Kumar Chhetri, Earth Science

German Bravo-Villasenor, Graduate
*Particulate Matter Distribution in Carson City*
Faculty Mentor: Tianjun Lu, Earth Science

Jason Williams, Undergraduate
*Identifying Novel Chemical Scaffolds that Exhibit Selective Cytotoxicity against Solid Tumor Cell Lines using Mass Spectroscopy Based Molecular Networking*
Faculty Mentor: Erin McCauley, Chemistry

Karla Rubi, Yilda Echeverria Morales, Undergraduate
*Investigating Triple String Societies in Approval Voting*
Faculty Mentor: Carolyn Yarnall, Mathematics

Raju Bista, Graduate
*Are Tree Migrating Upslope in the Langtang National Park, Nepal?*
Faculty Mentor: Parveen K. Chhetri, Earth Science

Valeria Arredondo, Undergraduate
*Discrete Approval Voting Models*
Faculty Mentor: Carolyn Yarnall, Mathematics

Yilda Echeverria-Morales, Karla Rubi, Undergraduate
*Using Circular Societies to Model Scheduling Problems*
Faculty Mentor: Carolyn Yarnall, Mathematics
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