



14<sup>th</sup> Annual

# STUDENT RESEARCH DAY



CALIFORNIA STATE UNIVERSITY, DOMINGUEZ HILLS

02 | 13-14

# Greetings from President Parham

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Welcome to the Fourteenth Annual Student Research Day at California State University, Dominguez Hills. Opportunities to engage students' intellect and excite their passions on areas of discovery and inquiry are what we like to promote, so student-centered research is a point of pride on campus. This event is our opportunity to celebrate the accomplishments of our students and to learn about the new knowledge being generated on our campus.

The presentations that you will see are the culmination of hard work by students who have developed original research questions, developed the methods to conduct their projects, and assembled the products using critical thinking to generate the final project. The research experience is a high-impact practice for our students, who are taking away skills and perspectives that will be useful far beyond graduation.

The research success of these students is fostered by the contributions of their research mentors, the faculty who helped steer students through their projects, and by the entire campus community, who enable students to work in the classroom, in the lab, and in the field.

I encourage you to attend as many talks and view as many poster presentations today as possible. You will have an opportunity to bear witness to the creativity and excellence of our student body, who in turn are eager to share their discoveries with you.

Sincerely,

A handwritten signature in black ink that reads "Thomas Parham". The signature is fluid and cursive, with a long horizontal flourish extending to the right.

Thomas A. Parham, Ph.D.

*President*

# Welcome

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## **Presenters, judges, faculty mentors, and guests:**

The magnitude and quality of the scholarship in this collection of presentations from our students should be a source of pride for us all. This program in your hands is a demonstration of the breadth of scholarly activity on campus. By attending talks and poster presentations, you'll experience the depth of inquiry in the investigations.

The work presented at this conference has been conducted by students working in a wide range of academic settings. Some presentations are the result of projects conducted by students as a part of their undergraduate coursework, while others are conducted outside of class under the apprenticeship of their faculty mentors. Many of these are culminating efforts of graduate students earning their master's degree. We have big projects and small projects, those that are highly collaborative, as well as those led by a single student. Scholarship, in all its varieties, is flourishing at Dominguez Hills.

Research by students is a priority at CSU Dominguez Hills because of the dedication and persistence of the faculty who work to provide opportunities for students to achieve their potential. Our community of scholars is focused on student success, and the work by our students demonstrates the magic that can happen when we integrate teaching and scholarship.

Student Research Day is made possible through the generous sponsorship of Shell. I would like to thank the student volunteers, President Thomas Parham, Provost Michael Spagna, Vice Provost Ken O'Donnell, Dean Claudia Peyton, the Office of Graduate Studies and Research, University Ceremonies and Events, the Office of Development, University Communications and Public Affairs, Faculty Mentors, Judges, Loker Student Union, and members of the Student Research Day Planning Committee.

Sincerely,

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

# Conference Schedule

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## Wednesday – February 13, 2019

### **Loker Student Union**

5:30–6:00 p.m.                      Registration

6:00–9:00 p.m.                      Evening Sessions

## Thursday – February 14, 2019

### **Loker Student Union**

8:30–9:00 a.m.                      Registration

9:00–11:50 a.m.                      Morning Sessions

### **LSU Ballroom C**

12:00–12:05 p.m.                      **Welcome**  
Dr. Terry McGlynn, Chair, CSUDH Student Research Day Organizing Committee

12:05–12:10 p.m.                      **Opening Remarks**  
Dr. Thomas A. Parham, President, CSUDH

12:10–12:50 p.m.                      **Keynote Speech**  
Jess Phoenix, Geologist, Volcanologist

12:50–1:20 p.m.                      Lunch

### **Loker Student Union**

2:00–5:00 p.m.                      Afternoon Sessions

### **Library South, Fifth Floor**

6:00–8:00 p.m.                      **Reception and Award Ceremony**  
Announcement of First and Second Place Session Winners

# Faculty Mentors

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<b>Anthropology</b>	Janine Gasco, Sara Lacey, Susan Needham, Sarah Taylor
<b>Art and Design</b>	Kirsten Ellsworth, Devon Tsuno
<b>Asian American Studies</b>	Judy Wu (University of California, Irvine)
<b>Behavioral Sciences</b>	Sonja Ulrich
<b>Biology</b>	Fawzia Bardag-Gorce (LA BioMed), Aimee Beaulieu (Rutgers New Jersey Medical School), Christine Finck (University of Connecticut), Michelina Iacovino (LA BioMed), Karin Kram, Janaiah Kota (Indiana University), Terry McGlynn, Shehla Pervin, Sonal Singhal, John Thomlinson, Kathryn Theiss, Fang Wang
<b>Chemistry</b>	Barbara Belmont, Kenneth Rodriguez, Patrick Still, Arumugam Thangavel, Sen Wang
<b>Chicana/o Studies</b>	Corina Benavides Lopez
<b>Child Development</b>	Kreshnik Begolli, Megumi Kuwabara
<b>Communications</b>	Brant Burkey, Nancy Cheever, Linda Dam
<b>Computer Science</b>	Mohsen Beheshti, Bhriгу Celly, Ajay Katangur, Bin Tang Roman Tankelevich
<b>Dance</b>	Doris Ressler
<b>Digital Media Arts</b>	George Vlnovich
<b>Earth Science and Geography</b>	Parveen Chhetri, Cheyenne Cummings, Brendan McNulty
<b>Education</b>	Edward Curammeng, Caron Mellblom-Nishioka, P. Zitlali Morales (University of Illinois at Chicago), Pamela Robinson
<b>English</b>	Debra Best, Brenda Bran, Helen Oesterheld, Vanessa Wenzell
<b>Finance / Economics</b>	Jennifer Brodmann, Rama Malladi
<b>Health Science</b>	Archana Sharma, Matthew Ting
<b>History</b>	Andrea Johnson, Bianca Murillo, Doris Namala
<b>Human Services</b>	Phu Phan
<b>Information Systems &amp; Operations Management</b>	Nancy Deng, Jian-yu Ke, Myron Sheu
<b>Kinesiology &amp; Recreation</b>	Yanet Suarez
<b>Management</b>	Orie Berezan, Thomas Norman, Jessica Federman
<b>Mathematics</b>	Wai Yan Pong, Jobby Jacob (Rochester Institute of Technology), Alexander Stanovevich
<b>Negotiation, Conflict Resolution &amp; Peacebuilding</b>	Margaret Manning, Nancy Erbe
<b>Nursing</b>	Terri Ares
<b>Occupational Therapy</b>	Heather Kitching, Terry Peralta-Catipon, Julie Werner
<b>Physics</b>	Michael Durand, John Price
<b>Political Science</b>	Yea Ji Kim
<b>Psychology</b>	Tatiana Basanez, Giacomo Bono, Heather Butler, L. Mark Carrier, Steven Frieze, Erin Merz, Kevin Montes, Larry Rosen, Silvia Santos, Cris Scaglione, Tara Victor, Philip Vieira, Karen Wilson
<b>Public Administration</b>	Elena Kulikov, Fynnwin Prager, Zheng Yang
<b>Social Work</b>	Adriana Aldana, Paul Duong-Tran, Susan Einbinder
<b>Sociology</b>	Kelin Li, Jeb Middlebrook, Matt G. Mutchler, Joanne Perez, Katy Pinto
<b>Women's Studies</b>	Jennifer Brandt

## Judges

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Amy Allen  
Lucha Arevalo  
Toumik Asatoorian  
Mohsen Beheshti  
Orie Berezan  
Brenda Bran  
Jennifer Brodmann  
Heather Butler  
Bhriгу Celly  
Gioella Chaparro  
Chi-Wen Chen  
Parveen Chhetri  
Helen Chun  
Cheyenne Cummings  
Edward R. Curammeng  
Kelley Dawdy  
Nancy Deng  
Anthony Joseph Diaz  
Alan Elliot  
Jillian Eslami  
Bunny M. Fisher  
Terri Fleming-Drighr  
Paul Fornelli  
Carolyn Caffrey  
Gardner Janine Gasco  
Mara Lee Grayson  
Michael Grimshaw

Jennifer Henriquez  
Nathlyn Hirohama  
Yan-hua Huang  
Brian Jarrett  
Joshua Jeffers  
Marcus Jones  
Jian-yu Ke  
Wafa Khasawneh  
Karin E. Kram  
Megumi Kuwabara  
Sarah Lacy  
Lei Lai  
Kelin Li  
Elexia Reyes McGovern  
Erin Merz  
Alex Meza  
Kevin Montes  
Jennifer Munday  
Matt Mutchler  
Melissa Navarro Martell  
Susan Needham  
Jessica Neil  
Hannah Nguyen  
Thomas Norman  
Soraksa Norng  
Ken O'Donnell  
Enrique Ortega  
Dana Ospina

Carolyn Oudiz  
Sheela Pawar  
Joanna Perez  
Nancy Perez  
Tom Philo  
Katy M. Pinto  
Fynnwin Prager  
Archana More  
Sharma Sonal Singhal  
Hakjoon Song  
Jen Stacy  
Jennifer Sumner  
Arumugam Thangavel  
Kathryn Theiss  
Elwin Tilson  
Paul Duong Tran  
Monique Turner  
Sarah Underwood  
Annalyn Valdez-Dadia  
Tara Victor  
Christine Walker  
Karen Wilson  
Tessa Withorn  
Xia Wu  
Cheryl Lynn Wolcott  
Bing Xu  
Xavier Zapata

## Organizing Committee

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Terry McGlynn (Chair)  
Claudia G. Peyton (Dean)  
Judith Aguirre  
Bacilisa Baltazar

Amy Bentley-Smith  
Joseph Correa  
Katherine Cruz  
Nancy Deng

Gillian Fischer  
Craig Geber  
John Price  
Candace Teran

Anthony Thompson  
Devon Tsuno  
Jasmina Zuljevic

*While we have made every effort to include the names of all of our judges in the program, changes may occur between the time this program is printed and Student Research Day on February 13-14. 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!*

# Directory of Presentations

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## February 13, 2019

### Wednesday

Session	Location
Behavioral and Social Sciences I	Ballroom B 6:00 – 9:10 p.m.
Biological and Agricultural Sciences	LSU 324-325 6:00 – 9:00 p.m.
Computer Science I	Ballroom C 6:00 – 9:20 p.m.
Education	LSU 327 6:00 – 9:20 p.m.
Health, Nutrition, and Clinical Sciences I	LSU 326 6:00 – 9:00 p.m.
Humanities and Letters I	LSU 323 6:00 – 9:00 p.m.
Physical and Mathematical Sciences	LSU 328 6:00 – 7:40 p.m.
Roundtable I	LSU 320 6:00 – 8:15 p.m.
Poster Session I	Ballroom A 6:00 – 8:30 p.m.

## February 14, 2019

### Thursday Afternoon Session

Session	Location
Business, Economic, and Public Administration II	LSU 323 2:00 – 4:40 p.m.
Behavioral and Social Sciences IV	LSU 326 2:00 – 4:00 p.m.
Behavioral and Social Sciences V	Ballroom B 2:00 – 4:40 p.m.
Creative Arts II	LSU 328 2:00 – 4:20 p.m.

## February 14, 2019

### Thursday Morning Session

Session	Location
Behavioral and Social Sciences II	Ballroom B 9:00 – 11:20 a.m.
Behavioral and Social Sciences III	LSU 327 9:00 – 11:40 a.m.
Business, Economic, and Public Administration I	LSU 326 9:00 – 11:00 a.m.
Creative Arts I	LSU 328 9:00 – 11:40 a.m.
Health, Nutrition, and Clinical Sciences II	LSU 324-325 9:00 – 11:30 a.m.
Computer Science II	Ballroom C 9:00 – 11:20 a.m.
Humanities and Letters II	LSU 323 9:00 – 10:50 a.m.
Roundtable II	LSU 320 9:00 – 10:15 a.m.
Poster Session II	Ballroom A 9:00 – 11:30 a.m.

Session	Location
Computer Science III	Ballroom C 2:00 – 4:40 p.m.
Computer Science IV	LSU 327 2:00 – 5:00 p.m.
Health, Nutrition, and Clinical Sciences III	LSU 324-325 2:00 – 4:00 p.m.
Roundtable III	LSU 320 2:00 – 4:00 p.m.
Poster Session III	Ballroom A 2:00 – 5:00 p.m.

*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 [srd@csudh.edu](mailto:srd@csudh.edu) and we will make corrections and provide you with an updated program.*

# Wednesday, February 13 Presentations

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## Behavioral and Social Sciences I — Ballroom B

### Evening Session: 6:00 – 9:10 p.m.

- 6:00–6:20 p.m.**    **Angelica Rivera, Karina James, Psychology**  
*Sleep Hygiene, Planning/Problem Solving and Task, Performance in a Diverse Sample of College Students*  
Faculty Mentor: Karen Wilson, Psychology
- 6:20–6:40 p.m.**    **Julia-Elise Childs, Social Work**  
*Rooted: A Narrative Reflection on Generational Trauma within the African-American Community*  
Faculty Mentor: Adriana Aldana, Social Work
- 6:40–7:00 p.m.**    **Ramona Kraeutler, Kahlie Venus, Psychology**  
*Emotion Regulation, Sleep Quality, and Stress in Female College Students*  
Faculty Mentor: Karen Wilson, Psychology
- 7:00–7:20 p.m.**    **Kresimir Reil, Annette Chavez, Javier Murillo, Michelle Ruvalcaba, Venita Polonio, Michele Sneed, Jacob Costa, Daniel Cervantes, Psychology**  
*Manipulating Resilience in an Everyday Setting: The Effects of Self-Efficacy Priming and Social Support*  
Faculty Mentor: Steven Frieze, Psychology
- 7:20–7:30 p.m.**    **BREAK**
- 7:30–7:50 p.m.**    **Kresimir Reil, Ivett Gabriella, Psychology**  
*The Potential Role of Gratitude in Facilitating Resilient Developmental Trajectories*  
Faculty Mentor: Giacomo Bono, Psychology
- 7:50–8:10 p.m.**    **Daniel Correa, Andrew Luu, Kimberly Huertas, Jessica Soriano, Psychology**  
*Rate My Professor: Biased or Reasonable? Impact of Confirmation Bias and Professors' Gender on Enrollment Preferences*  
Faculty Mentor: Heather Butler, Psychology
- 8:10–8:30 p.m.**    **Jessica Vinegar, Health Science**  
*Perceived Competency in Male Dominated Jobs among Gender Nonconforming Women vs Gender Conforming Women*  
Faculty Mentor: Archana Sharma, Health Science
- 8:30–8:50 p.m.**    **Jenna Knight, Psychology**  
*Performance Validity Testing in Undergraduates*  
Faculty Mentor: Tara Victor, Psychology
- 8:50–9:10 p.m.**    **Christian Harms, Ray Jaquez, Psychology**  
*Building Resilience to Failure: The Design Your Life Approach to Vocational Development*  
Faculty Mentor: Heather Butler, Psychology



## **Biological and Agricultural Sciences — LSU 324-325**

### **Evening Session: 6:00 – 9:00 p.m.**

- 6:00–6:20 p.m. Mariah Rojas, Biology**  
*Characterizing the Role of Nucleoside Metabolism in E. coli Survival in Long-term Stationary Phase*  
Faculty Mentor: Karin Kram, Biology
- 6:20–6:40 p.m. Lizett Gonzalez Carreron, Biology**  
*The Characterization of the SspA Regulon in Escherichia coli in the Long-term Stationary Phase*  
Faculty Mentor: Karin Kram, Biology
- 6:40–7:00 p.m. John Coulston, Biochemistry**  
*Investigating the Zebrafish Gut Microbiome Dynamics at Different Developmental Stages*  
Faculty Mentor: Fang Wang, Biology
- 7:00–7:20 p.m. Lenny Jones, Biology**  
*The Effects of Temperature on the Metabolic Rate of Aurelia aurita*  
Faculty Mentor: John Thomlinson, Biology
- 7:20–7:40 p.m. Autumn Henderson, Biology**  
*Higher Expression of Motility Related Genes in Evolved Escherichia coli*  
Faculty Mentor: Karin Kram, Biology
- 7:40–8:00 p.m. George Lopez, Biology**  
*Developing a Stem Cell Therapy for Mucopolysaccharidosis type IIIB using CRISPR/Cas-9 Technology*  
Faculty Mentor: Michelina Iacovino, LA BioMed
- 8:00–8:20 p.m. Sydney Martinez, Diana Tafoya, Biology**  
*Floral Visitors of Non-native Milkweed Species within an Urban Environment*  
Faculty Mentor: Kathryn Theiss, Biology
- 8:20–8:40 p.m. Daileen Cortez, Biology**  
*The Effect of Cultured Autologous Oral Mucosal Epithelial Cell Sheet (CAOMECS) Graft on Corneas with Experimental Limbal Stem Cell Deficiency and Neovascularization*  
Faculty Mentor: Fawzia Bardag-Gorce, LA BioMed
- 8:40–9:00 p.m. Raul Gutierrez, Biology**  
*Protein Tagging Applications for Non-Biodegradable Material*  
Faculty Mentor: Sonal Singhal, Biology

# Computer Science I — Ballroom C

## Evening Session: 6:00 – 9:20 p.m.

- 6:00–6:20 p.m.**    **Jeremy Smith, Computer Science**  
*Website Design through the Decades*  
Faculty Mentor: Mohsen Beheshti, Computer Science
- 6:20–6:40 p.m.**    **Vincent Tran, Computer Science**  
*Protecting the Unmanned Aerial Vehicle from Cyberattacks*  
Faculty Mentor: Ajay Katangur, Computer Science
- 6:40–7:00 p.m.**    **Lei Cao, Amirhossein Rouhanipoor, Rong Yang, Yu-Ning Yu, Computer Science**  
*The Feasibility Verification Algorithm of Applying Minimal Cost Flow Problem Solver to Directed Sensor Network's Data Redistribution Problem*  
Faculty Mentor: Bin Tang, Computer Science
- 7:00–7:20 p.m.**    **Nishita Parmar, Computer Science**  
*Profit-based File Replication in Data Intensive Cloud Data Centers*  
Faculty Mentor: Bin Tang, Computer Science
- 7:20–7:40 p.m.**    **Sagar Sukhadev Chavan, Computer Science**  
*Overview of Speech Recognition Services from Various Cloud Service Providers*  
Faculty Mentor: Bhriгу Celly, Computer Science
- 7:40–8:00 p.m.**    **Nishita Parmar, Computer Science**  
*Tableau Integration with CloudWatch and Kinesis. What Kind of Visualization Can Be Put on CloudWatch*  
Faculty Mentor: Bhriгу Celly, Computer Science
- 8:00–8:20 p.m.**    **Milind Parikh, Computer Science**  
*Collaborating the Power of Tableau and Python into One*  
Faculty Mentor: Bhriгу Celly, Computer Science
- 8:20–8:40 p.m.**    **Harmanjeet Brar, Computer Science**  
*Object Localization*  
Faculty Mentor: Bhriгу Celly, Computer Science
- 8:40–9:00 p.m.**    **Venkata Krishna Jonnalagadda, Computer Science**  
*Sparse, Stacked and Variational Autoencoder*  
Faculty Mentor: Bhriгу Celly, Computer Science
- 9:00–9:20 p.m.**    **Jenny Fernandez, Computer Science**  
*IoT Data Pipeline*  
Faculty Mentor: Bhriгу Celly, Computer Science

## Education — LSU 327

### Evening Session: 6:00 – 9:20 p.m.

- 6:00–6:20 p.m.**    **Candace Teran, Education**  
*Boys Can't Wear Makeup and Girls Aren't Astronauts: Censorship, Libraries, and a Qualitative Analysis of Children's Literature*  
Faculty Mentor: Edward Curammeng, Education
- 6:20–6:40 p.m.**    **Cynthia Lozano, Education**  
*Examining and Disrupting the U.S. Educational System: Ethnic Studies Curriculum in Elementary Classrooms*  
Faculty Mentor: Edward Curammeng, Education
- 6:40–7:00 p.m.**    **Timothy Chih Shuang Chang, Education**  
*Equity, Access, Sink or Swim? Supporting Students with Diverse Abilities in AP Chemistry*  
Faculty Mentor: Edward Curammeng, Education
- 7:00–7:20 p.m.**    **Luis Flores-Valdovinos, Education**  
**CANCELLED**    *Applying the Scientific Method through Positive and Negative Words*  
Faculty Mentor: Kathryn Theiss, Biology
- 7:20–7:40 p.m.**    **Kaitlin Amorde, Teacher Education**  
*Quizlet as a Tool for Science Vocabulary Education for Students with Learning Disabilities*
- 7:40–8:00 p.m.**    **Ariana Munoz, Education**  
*Healing, Learning, and Beloved Communities: Applying a Trauma-informed Framework in Elementary Classrooms*  
Faculty Mentor: Edward Curammeng, Education
- 8:00–8:20 p.m.**    **Jodi Aguilar, Liberal Studies**  
*Barrio Maestras - Introducing the Praxis of Queer Educadoras / Content / Theoria in K-5 Escuelas*  
Faculty Mentor: P. Zitlali Morales (University of Illinois at Chicago)
- 8:20–8:40 p.m.**    **Michelle Holloway, College of Education**  
*Increasing Reading Comprehension to Improve Standardized SBAC Math Scores*  
Faculty Mentor: Caron Mellblom-Nishioka, Education
- 8:40–9:00 p.m.**    **Jannette Alonso, Child Development**  
*Content Analysis of Picture Books: Potential Origin of Cultural Differences in Attention*  
Faculty Mentor: Megumi Kuwabara, Child Development
- 9:00–9:20 p.m.**    **Paola Lopez Cebreros, Child Development**  
*Student Employment as a High Impact Practice*  
Faculty Mentor: Maruth Figueroa, Toro Learning and Testing Center

# Health, Nutrition, and Clinical Sciences I — LSU 326

## Evening Session: 6:00 – 9:00 p.m.

- 6:00–6:20 p.m.**    **Alexandra McNay, Lizette Manrique, Occupational Therapy**  
*Impact of Adolescent Mental Health in High School Personnel Culture*  
Faculty Mentor: Terry Peralta-Catipon, Occupational Therapy
- 6:20–6:40 p.m.**    **Christopher Chuateco, Ricky Chavez, Briana Davidson, Cherlene Chung, Occupational Therapy**  
*Perceptions of Stroke Patients Regarding Game-based Virtual Reality Rehabilitation*  
Faculty Mentor: Terry Peralta-Catipon, Occupational Therapy
- 6:40–7:00 p.m.**    **Nicole Astorian, Theodora Chan, Vivian Huynh, Occupational Therapy**  
*Exploring the Experiences of Occupational Therapists in Facilitating Animal-assisted Therapy*  
Faculty Mentor: Terry Peralta-Catipon, Occupational Therapy
- 7:00–7:20 p.m.**    **Aaron Halva, Teresa Cao, Beverly Dovan, Occupational Therapy**  
*The Effects of Mindfulness on Occupational Engagement: A Narrative Analysis*  
Faculty Mentor: Heather Kitching, Occupational Therapy
- 7:20–7:40 p.m.**    **Carina So, Lauren Schlanger, Noelle Sims, Sylvia Wong, Occupational Therapy**  
*The Transitional Impact of Caregiving on Partner Relationship between Caregivers and Loved Ones Living with Parkinson's Disease Therapy*  
Faculty Mentor: Terry Peralta-Catipon, Occupational Therapy
- 7:40–8:00 p.m.**    **Danielle Ballard, Lindsey Coberly, Isabelle Guevarra, Occupational Therapy**  
*Through the Eyes of the Elderly LGBT Community: A Photovoice Study*  
Faculty Mentor: Terry Peralta-Catipon, Occupational Therapy
- 8:00–8:20 p.m.**    **Laura Yamaguchi, Nicole Villaescusa, Kendira Villalobos, Occupational Therapy**  
*Exploring Through Case Study: The Occupational Engagement of Transgender Individuals*  
Faculty Mentor: Heather Kitching, Occupational Therapy
- 8:20–8:40 p.m.**    **Elysia Aguero, Madison Ciulla, Occupational Therapy**  
*Phenomenology of Outdoor Learning: Parent Perspectives of a Preschool Environment*  
Faculty Mentor: Heather Kitching, Occupational Therapy
- 8:40–9:00 p.m.**    **Carmen Parker, Occupational Therapy**  
*Black Healthcare*  
Faculty Mentor: Yanet Suarez, Kinesiology & Recreation

# Humanities and Letters I — LSU 323

## Evening Session: 6:00 – 9:00 pm

- 6:00–6:20 p.m.**    **Kelsey Reichmann, Communications**  
*Voices of the Past: How Cultural Heritage Communities Use Digital Platforms to Articulate Collective Memory*  
Faculty Mentor: Brant Burkey, Communications
- 6:20–6:40 p.m.**    **Italie Torres, History**  
*The Intersectionality of Race in Gender: The Plight of the Mulatto in Revolutionary*  
Faculty Mentor: Laura Telamante, History
- 6:40–7:00 p.m.**    **Jaedyn Baker, English**  
*Unchecked Curiosity and “Masculine” Science: Foes of a Domestic Eden in Mary Shelley’s Frankenstein (1831)*  
Faculty Mentor: Debra Best, English
- 7:00–7:20 p.m.**    **Matthias Sieber, Negotiation, Conflict Resolution & Peacebuilding**  
*Who is Responsible for the Peace in Post-2001 Macedonia?*  
Faculty Mentor: Nancy Erbe, Negotiation, Conflict Resolution & Peacebuilding
- 7:20–7:40 p.m.**    **Chanel Kidd, Humanities**  
*The Harlem Renaissance: Redefining Black Identity*  
Faculty Mentor: Kirsten Ellsworth, Art History
- 7:40–8:00 p.m.**    **Salvador Aguilar, History**  
*¡Revolución! Magonistas, Mexican Immigrants, and Mexican-Americans in Los Angeles, 1900-1930*  
Faculty Mentor: Doris Namala, History
- 8:00–8:20 p.m.**    **Thaithao Nguyen, History**  
*The Vietnamese Women of Little Saigon*  
Faculty Mentor: Judy Wu, Asian American Studies, University of California, Irvine
- 8:20–8:40 p.m.**    **Cesar Amparo, History**  
*History Through Corridos: The Mexican Experience in Los Angeles in the Early 20th century*  
Faculty Mentor: Doris Namala, History
- 8:40–9:00 p.m.**    **Dante Garcia, History**  
*The Outcomes of Integration at the Pasadena Unified School District*  
Faculty Mentor: Andrea Johnson, History

## Physical and Mathematical Sciences — LSU 328

### Evening Session: 6:00 – 7:40 p.m.

- 6:00–6:20 p.m.**    **Scarlett Zamora, Earth Science**  
*Waste Audits at CSUDH*  
Faculty Mentor: Cheyenne Cummings, Earth Science and Geography
- 6:20–6:40 p.m.**    **Felizelle Catipon, Clinical Science**  
*The Hydroxyapatite Crystal Morphology in the Presence of Antifreeze Protein*  
Faculty Mentor: Sen Wang, Chemistry
- 6:40–7:00 p.m.**    **Elvis Carrillo, Earth Science and Geography**  
*Assessing Social-Economic Impacts of Earthquakes in Southern California*  
Faculty Mentor: Brendan McNulty, Earth Science and Geography
- 7:00–7:20 p.m.**    **Noraim Nunez, Physics**  
*Nuclear Physics with Short-lived Beams*  
Faculty Mentor: John Price, Physics
- 7:20–7:40 p.m.**    **Stephanie Gaston, Mathematics**  
*Application of Differential Algebra to Linear Independence of Arithmetic Functions*  
Faculty Mentor: Wai Yan Pong, Mathematics

## Roundtable I — LSU 320

### Evening Session: 6:00 – 8:15 p.m.

- 6:00–6:15 p.m.**    **Kristin Arriaga, Sociology**  
*Millennials and the New Age Gentrification*  
Faculty Mentor: Katy Pinto, Sociology
- 6:15–6:30 p.m.**    **Raul Gutierrez, Biology**  
*Protein Tagging Applications for Non-Biodegradable Material*  
Faculty Mentor: Sonal Singhal, Biology
- 6:30–6:45 p.m.**    **Daileen Cortez, Biology**  
*The Effect of Cultured Autologous Oral Mucosal Epithelial Cell Sheet (CAOMECS) Graft on Corneas with Experimental Limbal Stem Cell Deficiency and Neovascularization*  
Faculty Mentor: Fawzia Bardag-Gorce, LA BioMed
- 6:45–7:00 p.m.**    **Carmen Parker, Child Development**  
*Black Healthcare*  
Faculty Mentor: Yanet Surez, Kinesiology & Recreation
- 7:00–7:15 p.m.**    **Dante Garcia, History**  
*The Outcomes of Integration at the Pasadena Unified School District*  
Faculty Mentor: Andrea Johnson, History
- 7:15–7:30 p.m.**    **Venkata Krishna Jonnalagadda, Computer Science**  
*Sparse, Stacked and Variational Autoencoder*  
Faculty Mentor: Bhrigu Celly, Computer Science
- 7:30–7:45 p.m.**    **Padmaja Kanthi Rekha Inampudi, Computer Science**  
*Jenkins Deployment in Kubernetes in All Cloud Services*  
Faculty Mentor: Bhrigu Celly, Computer Science
- 7:45–8:00 p.m.**    **Padmaja Kanthi Rekha Inampudi, Computer Science**  
*Big Query and EMR Use Case with Machine Learning*  
Faculty Mentor: Bhrigu Celly, Computer Science
- 8:00–8:15 p.m.**    **Jenny Fernandez, Computer Science**  
*IoT Data Pipeline*  
Faculty Mentor: Bhrigu Celly, Computer Science

# Poster Session I — Ballroom A

## Evening Session: 6:30 – 8:30 p.m.

### Behavioral and Social Sciences

- 1 **Nathan Castro, Communications**  
*Financial Literacy After-School Programs: A Survey and Exploratory Study*  
Faculty Mentor: Jennifer Brodmann, Economics
- 2 **Saray Valenzuela Jaime, Kevin Muniz, Margott Dela Cruz, Christian Rivero, Casey Cage, Heidy Lozada, Psychology**  
*Is Identity Associated with Addiction? An Examination of Alcohol Use and Gambling Behavior*  
Faculty Mentor: Kevin Montes, Psychology
- 3 **Kathryn Lidgard, Social Work** **CANCELLED**  
*Attitudes About the Causes of Poverty*  
Faculty Mentor: Susan Einbinder, Social Work
- 4 **Jazmin Ramirez, Psychology**  
*Children with Autism Spectrum Disorder (ASD): Exploration of Parents' Perspective of Effective Support Systems*  
Faculty Mentor: Phu Phan, Human Services
- 5 **Erika Robles, Sociology**  
*Does a Women Working Full-time Affect Marriage Happiness?*  
Faculty Mentor: Kelin Li, Sociology
- 6 **Jenna Neugebauer, Orthotics and Prosthetics**  
*How Students Select Orthotic and Prosthetic Residency*  
Faculty Mentor: Julie Werner, Occupational Therapy
- 7 **Haiden Nelson, Orthotics and Prosthetics**  
*Semantic Priming of Fast and Slow Walking Speeds*  
Faculty Mentor: Julie Werner, Occupational Therapy
- 8 **Kimberly Tomczak, Psychology**  
*The Effects of Adoption Characteristics on Attachment Styles*  
Faculty Mentor: Tatiana Basanez, Psychology

- 9 **Deisi Gomez, Child Development**  
*Relationship between Cool EF (Cognitive Inhibition) & Mood*  
Faculty Mentor: Megumi Kuwabara, Child Development
- 10 **Paraash Kamdar, Computer Science**  
*Machine Learning platforms on Amazon Web Service, Azure and Google cloud*  
Faculty Mentor: Bhriгу Celly, Computer Science

### Computer Science

- 11 **Zeyi Liu, Yu-Ning Yu, Shanglin Hsu, Computer Science**  
*Combing Convolution and Self-Attention for Reading Comprehension*  
Faculty Mentor: Bhriгу Celly, Computer Science
- 12 **Lei Cao, Chia-Han Chang, Rong Yang, Yimin Wang, Computer Department**  
*Real-time Object Detection on Different Models*  
Faculty Mentor: Bhriгу Celly, Computer Science
- 13 **Milind Parikh, Hetsi shah Ashish Patel, Arpitha Nagavara Ananthamurthy, Computer Science**  
*Object Detection Using Tensorflow*  
Faculty Mentor: Bhriгу Celly, Computer Science
- 14 **Venkata Krishna Jonnalagadda, Computer Science**  
*Unsupervised Text Summarization using Deep Learning*  
Faculty Mentor: Bhriгу Celly, Computer Science
- 15 **Krishna Sai Hanish Tummalapalli, Venkata Krishna Jonnalagadda, Computer Science**  
*Unsupervised Text Summarization using Deep Learning*  
Faculty Mentor: Bhriгу Celly, Computer Science



- 16 Padmaja Kanthi Rekha Inampudi, Paraash Kamdar Sagar Chavan, Nikhil Derore, Computer Science**  
*Alexa skill to automate deployments*  
Faculty Mentor: Bhriugu Celly, Computer Science
- 17 Ali Kabiri Renani, Computer Science**  
*Porting Machine Learning to Mobile Application*  
Faculty Mentor: Bhriugu Celly, Computer Science
- 18 Paraash Kamdar, Computer Science**  
*Ansible and Chef deployment with Kubernetes in various cloud services*  
Faculty Mentor: Bhriugu Celly, Computer Science
- 19 Mohammed Althubyani, Computer Science**  
*Emotion Detection System*  
Faculty Mentor: Bhriugu Celly, Computer Science
- 20 Eugene Cox II, Psychology**  
*Me, Myself, and Normal: Creating Data Visualizations for Older Adults*  
Faculty Mentor: Thomas Norman, Management

## Physical and Mathematical Sciences

- 21 Jasmine Chavarria, Mathematics**  
*Stiff Systems of Ordinary Differential Equations in Epidemics*  
Faculty Mentor: Michael Durand, Physics
- 22 Elvis Carrillo, Earth Science and Geography**  
*Assessing Social-Economic Impact of Earthquakes in Southern California*  
Faculty Mentor: Parveen Chhetri, Earth Science and Geography
- 23 Samantha Tsumaki, Chemistry**  
*Synthesis and Host-Guest Properties of 1,1'-disubstituted Ferrocene derivatives with Cucurbit[n]urils*  
Faculty Mentor: Arumugam Thangavel, Chemistry
- 00 Andrew Luu, Business Administration**  
*Will Robots Take Our Jobs? Understanding Trends in the Future of Work and Skills for a Digital Workforce.*  
Faculty Mentor: Nancy Deng, Business Administration

- 24 Nichole Romanoff, Earth Science and Geography**  
*How Topography Influences Shrub Cover Distribution in the Nepal Himalayas*  
Faculty Mentor: Parveen Chhetri, Earth Science and Geography
- 25 Daniel Cole-Apt, Earth Science and Geography**  
*Solar Powered Golf Carts*  
Faculty Mentor: Cheyenne Cummings, Earth Science and Geography
- 26 Jose Garfias, Chemistry and Biochemistry**  
*Theoretical Study of 3FC-TZN and its Host-Guest interaction in the Determination of Stable Electroactive Materials*  
Faculty Mentor: Kenneth Rodriguez, Chemistry and Biochemistry

## Health, Nutrition, and Clinical Sciences

- 27 Hunter Amundson, Orthotics and Prosthetics**  
*The Relationship in Amputation Level and Blood Pressure*  
Faculty Mentor: Julie Werner, Occupational Therapy
- 28 James Holt, Orthotics and Prosthetics**  
*Unilateral Training Resulting in Cross-education of the Contralateral Limb*  
Faculty Mentor: Julie Werner, Occupational Therapy
- 29 Eva Levingston, Health Science**  
*Internet Use and Severe Psychological Distress Among Adults in California*  
Faculty Mentor: Archana Sharma, Health Science
- 30 Wesley Fong, Health Sciences Orthotics & Prosthetics**  
*Comparison of Stride Lengths Between Healthy Participants When Wearing a +B41:H41 and Not Wearing a Post-op Knee Orthosis*  
Faculty Mentor: Julie Werner, Occupational Therapy
- 31 Jared Jackson, Occupational Therapy**  
*Beats Per Minute and its Influence on Average Walking Speed*  
Faculty Mentor: Julie Werner, Occupational Therapy

**32 Jessica Bissontz, Orthotics and Prosthetics**  
*A Study About Interactions with Persons with Amputations*  
Faculty Mentor: Julie Werner,  
Occupational Therapy

**33 Brandon Hong, Orthotics and Prosthetics**  
*Cell Phone App to Measure Shoe Sizes Comparing to Brannock Device*  
Faculty Mentor: Julie Werner,  
Occupational Therapy

**34 Jasmine Ayala, Orthotics and Prosthetics**  
*Can a Low Back Support Reduce Back Pain when Sitting for Too Long?*  
Faculty Mentor: Julie Werner,  
Occupational Therapy

## **Biological and Agricultural Sciences**

**35 Albert Barrios, Biology**  
*Mechanistic Role of MYC in Regulation of miR-29 in Pancreatic Cancer*  
Faculty Mentor: Janaiah Kota  
(Indiana University)

**36 Sasha Escamilla, Biology**  
*Thermal Tolerance of *Ectatomma Ruidum**  
Faculty Mentor: Terry McGlynn, Biology

**37 Claire Ladan, Chemistry and Biochemistry**  
*Hacking Electrochemistry: Building a Low-Cost Potentiostat for the Undergraduate Chemistry Lab*  
Faculty Mentor: Barbara Belmont,  
Chemistry and Biochemistry

**38 John Wrath, Biology**  
*"Living on the Edge: Testing the Central-Marginal Hypothesis"*  
Faculty Mentor: Sonal Singhal, Biology

**39 Francisco Juarez, Biology**  
*Growth Effects of *IsrR* and *cspB* on *Escherichia coli* during LTSP*  
Faculty Mentor: Karin Kram, Biology

**40 Joshua Devera, Biology**  
*The Evolution of PRDM9 Gene in Lizard and Snake Species*  
Faculty Mentor: Sonal Singhal, Biology

## **Health, Nutrition, and Clinical Sciences**

**41 Andrew Clinkscales, Orthotics and Prosthetics**  
*Mobility and Quality of Life: RAND SF-36 and Self Reported K-Level*  
Faculty Mentor: Julie Werner,  
Occupational Therapy

**42 Kelsey Phillimeano, Orthotics and Prosthetics**  
*CAM Walker Boot Soles and Walking Efficiency*  
Faculty Mentor: Julie Werner,  
Occupational Therapy

**43 Michael Bradley, Orthotics and Prosthetics**  
*How Much Time is Enough*  
Faculty Mentor: Julie Werner,  
Occupational Therapy

**44 Courtney Tolentino, Orthotics & Prosthetics**  
*Incompletion Rates in Self-Reporting Rehabilitation Outcome Measures: Paper versus Web*  
Faculty Mentor: Julie Werner,  
Occupational Therapy

**45 Leslie Cass, Health Sciences**  
*Relationship between Obesity and the Condition of the Contralateral Limb in Individuals with Unilateral Lower Limb Amputations*  
Faculty Mentor: Julie Werner,  
Occupational Therapy

**46 Johnston Wang, Orthotics and Prosthetics**  
*The Relationship Between Physical Activity Volume and Subjective Ranking of Shoe Characteristics*  
Faculty Mentor: Julie Werner,  
Occupational Therapy

**47 Stefanie Gorski, Nursing**  
*Malnutrition Screening and Patient Outcomes*  
Faculty Mentor: Terri Ares, Nursing

**00 Nadia Hirbawi, Jake Jagannathan**  
*Quantification of Halogen-bonding Ability for Neutral and Charged Electrophilic Iodine Reagents*  
Faculty Mentor: Annaliese Franz, UC Davis

**00 Andreh Khachaturians, Public Administration**  
*American Attitudes on Immigrants Impact on the Economy*  
Faculty Mentor: Elena Kulikov, Public Administration

# Thursday, February 14 Presentations

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## Behavioral and Social Sciences II — Ballroom B

### Morning Session: 9:00 – 11:20 a.m.

- 9:00–9:20 a.m. **Hawk McFadzen, Sociology**  
*Education, Inc. - Philanthrocapitalism and the Corporate University*  
Faculty Mentor: Jeb Middlebrook, Sociology
- 9:20–9:40 a.m. **Mary Gauthier, Elijah Arzate, Psychology**  
*Police Interaction: What Factors Affect the Intention to Report Crime?*  
Faculty Mentor: Heather Butler, Psychology
- 9:40–10:00 a.m. **Eunice Rhee, Ariana Vasquez, Alejandro Villanueva, Occupational Therapy**  
*Perception of Time through the Lived Experience of Homeless Mothers*  
Faculty Mentor: Heather Kitching, Occupational Therapy
- 10:00–10:20 a.m. **Madeline Calixte, Behavioral Sciences**  
**CANCELLED** *Outcomes of Fostering Our Youth's Education*  
Faculty Mentor: Sonja Ulrich, Behavioral Sciences
- 10:20–10:40 a.m. **Jennifer Trinh, Jennifer Siu, Occupational Therapy**  
*Constructing Motherhood through Social Media*  
Faculty Mentor: Heather Kitching, Occupational Therapy
- 10:40–11:00 a.m. **Karina Mendez, Matthew Iya, Lisa Nguyen, Occupational Therapy**  
*Therapy Lived Experience in Transitions from Independent to Sheltered Living*  
Faculty Mentor: Heather Kitching, Occupational Therapy
- 11:00–11:20 a.m. **Katherine Gendron, Ashley Favela, Anthropology**  
*A Woven History*  
Faculty Mentor: Janine Gasco, Anthropology

## **Behavioral and Social Sciences III — LSU 327**

### **Morning Session: 9:00 – 11:40 a.m.**

- 9:00–9:20 a.m. Violet Quann, Stephany Ortiz Chavez, Psychology**  
*Which Barriers are Correlated with Medical Compliance Among College Students?*  
Faculty Mentor: Erin Merz, Psychology
- 9:20–9:40 a.m. Stephanie Gaston, Mathematics**  
*On the Classification of Graphs Based on Their Rank Numbers*  
Faculty Mentor: Jobby Jacob (Rochester Institute of Technology)
- 9:40–10:00 a.m. Alexis Bueno, Psychology**  
*Gender Differences in the Relationship between Sleep Deprivation and Hyperalgesia in College Students*  
Faculty Mentor: Karen Wilson, Psychology
- 10:00–10:20 a.m. Ryan Versfelt, Business Marketing**  
*Kaepernick Research Paper*  
Faculty Mentor: Orié Berezan, Management
- 10:20–10:40 a.m. Miguel Morales, Political Science**  
*Trust in Government and Political Participation in Mexico*  
Faculty Mentor: Yea Ji Kim, Political Science
- 10:40–11:00 a.m. Shannon Minor, Women's Studies**  
*Reducing Intimate Partner Violence by Using Empathy, Empowerment, and Accountability to Work with the Persons Causing Harm*  
Faculty Mentor: Jennifer Brandt, Women's Studies
- 11:00–11:20 a.m. Michelle Kang, Psychology**  
*The Perception, Psychological Effects, and Addiction in E-cigarettes Among College Students*
- 11:20–11:40 a.m. Alexis Capistran, Sheyla Flores Quintero, Peter Fuqua, Matthew Fusco, Biviam Jimenez, Ernesto Soria, Lilibeth Tome, Anthropology**  
*Student Health and Wellness at CSUDH*  
Faculty Mentor: Sarah Taylor, Anthropology

# **Business, Economics, and Public Administration I — LSU 326**

## **Morning Session: 9:00 – 11:00 a.m.**

- 9:00–9:20 a.m. Jason Richman, Public Administration**  
*Entrepreneurial Activity Analysis: Orange County versus South Bay*  
Faculty Mentor: Fynnwin Prager, Public Administration
- 9:20–9:40 a.m. Darcinea Moore, Psychology**  
*Student Parent Opportunities; Assessing the Needs and Well-being of Parents for Program Implementation*  
Faculty Mentor: Thomas Norman, Management
- 9:40–10:00 a.m. Doreka Patterson, Public Administration**  
**CANCELLED** *Police Force Opinion*  
Faculty Mentor: Elena Kulikov, Public Administration
- 10:00–10:20 a.m. Andre Khachaturians, Public Administration**  
**CANCELLED** *American Attitudes on Immigrants Impact on the Economy*  
Faculty Mentor: Elena Kulikov, Public Administration
- 10:20–10:40 a.m. Lisa Kasten, Public Administration**  
*Factors Affecting American Attitudes towards Government Spending on Drug Rehabilitation*  
Faculty Mentor: Elena Kulikov, Public Administration
- 10:40–11:00 a.m. Sara Delfini, Business Administration**  
*Evaluating the Customer Experience Provided By Adidas*  
Faculty Mentor: Orie Berezan, Management
- 11:00–11:20 a.m. Andrew Luu, Business Administration**  
*Digital Effectiveness and Motivation to Succeed at College: from the Viewpoints of Generation Z*  
Faculty Mentor: Nancy Deng, Business Administration

## **Creative Arts I — LSU 328**

### **Morning Session: 9:00 – 11:40 a.m.**

- 9:00–9:20 a.m. Scott Holdaway, Digital Media Arts**  
*Stunt Riding Documentary*  
Faculty Mentor: George Vinovich, Digital Media Arts
- 9:20–9:40 a.m. Sergio-Niko Reyes, Ozzy Guillen, Marcos Chavez, Digital Media Arts**  
*Social Media: More Than a Profile*  
Faculty Mentor: George Vinovich, Digital Media Arts
- 9:40–10:00 a.m. Sarahi Vargas, Anthropology**  
*Anxiety in Dancers*  
Faculty Mentor: Doris Ressler, Dance
- 10:00–10:20 a.m. Sal Mendoza, Edward Rivas, Digital Media Arts**  
*Sexual Harassment PSA*  
Faculty Mentor: George Vinovich, Digital Media Arts
- 10:20–10:40 a.m. Jennifer Garcia, Eric Ayala, Digital Media Arts**  
*Body Dysmorphia*  
Faculty Mentor: George Vinovich, Digital Media Arts
- 10:40–11:00 a.m. Jennifer Garcia, Tom Gonzalez, JP Zamora, Digital Media Arts**  
*DACA Documentary*  
Faculty Mentor: George Vinovich, Digital Media Arts
- 11:00–11:20 a.m. Thomas Gonzalez, Warren Carter, Digital Media Arts**  
*K-9 Scoop*  
Faculty Mentor: George Vinovich, Digital Media Arts
- 11:20–11:40 a.m. Juanpablo Zamora, Ozzy Guillen, Digital Media Arts**  
*Drinking and Driving: The Ultimate Party Foul*  
Faculty Mentor: George Vinovich, Digital Media Arts

## **Health, Nutrition, and Clinical Science II — LSU 324-325**

### **Morning Session: 9:00 – 11:30 a.m.**

- 9:00–9:20 a.m. Zurit Horowitz, David Holden, Occupational Therapy**  
*The Lived Experience of Participating in Extreme Sports as Leisure Occupations*  
Faculty Mentor: Heather Kitching, Occupational Therapy
- 9:20–9:40 a.m. Angela Ichikawa, Amy Lee, Laura Miller, Alison Nguyen, Occupational Therapy**  
*The Experience of Adults using Cochlear Implants: A Phenomenological Study*  
Faculty Mentor: Heather Kitching, Occupational Therapy
- 9:40–10:00 a.m. Suk Yi Chloe Poon, Vikavatdei Sisowath, Marie Victoria Reyes, Occupational Therapy**  
*Case Study: How is Self-Concept Reconstructed after Surviving Human Sex Trafficking?*  
Faculty Mentor: Heather Kitching, Occupational Therapy
- 10:00–10:20 a.m. Christine Hemelians, Lara Davis Del Piccolo, Christine Jamison**  
*Understanding Barriers and Enablers to Prevention and Management of Type 2 Diabetes*  
Mentor: Terry Peralta-Catipon, Occupational Therapy
- 10:30–10:50 a.m. Rachel Lim, Tiffany Lui, Vanessa Montes, Ally Oseas, Occupational Therapy**  
*School-based Occupational Therapists' Experiences in Secondary Transitions for Students with Autism Spectrum Disorder*  
Faculty Mentor: Heather Kitching, Occupational Therapy
- 10:50–11:10 a.m. Sarah Mercado, Shawn Kim, Allison Litzinger, Occupational Therapy**  
*The Lived Experience of Women Coping with Breast Cancer: A Photovoice Study*  
Faculty Mentor: Heather Kitching, Occupational Therapy
- 11:10–11:30 a.m. Yazmin Gaxiola Nuno, Nursing**  
*Skin Breakdown in Pediatric Oncology Patients: An Integrative Review*  
Faculty Mentor: Terri Ares, Nursing
- 11:30–11:50 a.m. Jina Song, Emily Shleppey, Jihoo Seo**  
*The Adjustment Process of Parents with Children Diagnosed with Cancer*  
Mentor: Terry Peralta-Catipon, Occupational Therapy

## Computer Science II — Ballroom C

### Morning Session: 9:00 – 11:20 a.m.

- 9:00–9:20 a.m. **Vincent Tran, Computer Science**  
*Short-Term Stock Price Prediction*  
Faculty Mentor: Alexander Stanoyevitch, Mathematics
- 9:20–9:40 a.m. **Sagar Sukhadev Chavan, Computer Science**  
**CANCELLED** *Overview of Micro-services and Distributed Tracing in Google Dapper and AWS X-Ray*  
Faculty Mentor: Bhriгу Celly, Computer Science
- 9:40–10:00 a.m. **Satish Naga Venkata Divvi, Darshit Shah, Computer Science**  
*Quick Overview of Convolutional Neural Networks across 4 Frameworks — TensorFlow, Keras, Chainer, PyTorch for MNIST Dataset*  
Faculty Mentor: Bhriгу Celly, Computer Science
- 10:00–10:20 a.m. **Aishwarya Murkute, Computer Science**  
*Object Detection and Recognition using In Real Time using OpenCV and YOLO*  
Faculty Mentor: Roman Tankelevich, Computer Science
- 10:20–10:30 a.m. **BREAK**
- 10:30–10:50 a.m. **Nabil Khalil, Computer Science**  
**CANCELLED** *Cryptocurrency*  
Faculty Mentor: Mohsen Beheshti, Computer Science
- 10:50–11:10 a.m. **Alex Murillo, Computer Technology**  
*Creating a Security Camera on a Budget*  
Faculty Mentor: Mohsen Beheshti, Computer Technology
- 11:10–11:20 a.m. **Brandon Duran, Computer Science**  
**CANCELLED** *Capture the flag - Virtual Machine*  
Faculty Mentor: Mohsen Beheshti, Computer Science



## Humanities and Letters II — LSU 323

### Morning Session: 9:00– 10:50 a.m.

- 9:00–9:20 a.m. **Jackson Martinez, English**  
*Inside the Russian Nesting Doll: The Other Voices*  
Faculty Mentor: Brenda Bran, English
- 9:20–9:40 a.m. **Eva Interiano, Art History**  
**CANCELLED** *The History of Art and Fashion (The Intertwine of Art Movement and Fashion)*  
Faculty Mentor: Kristin Ellsworth, Art History
- 9:40–10:00 a.m. **Paula Sherrin, English**  
*Effects of the “Uncanny” in Jordan Peele’s Get Out*  
Faculty Mentor: Helen Oesterheld, English
- 10:00–10:20 a.m. **Cristina Medina, English: TESL**  
*The Influence of African American English on K-pop*  
Faculty Mentor: Vanessa Wenzell, English
- 10:20–10:40 a.m. **Andrew Pilot, Art**  
*Life as Art*  
Faculty Mentor: Kirsten Ellsworth, Art History
- 10:40–11:00 a.m. **Porscha Singh, Communications**  
*The Sweet Representations of Queen Sugar*  
Faculty Mentor: Jennifer Brandt, Women's Studies
- 10:30–10:50 a.m. **Shonte Clayton, English**  
*Margaret Fuller: Journey to Selfhood*  
Faculty Mentor: Helen Oesterheld, English

## Roundtable II — LSU 320

### Morning Session: 9:00 – 10:15 a.m.

9:00–9:15 a.m. **Eleazar Gomez, Computer Technology**

**CANCELLED**

*Toro Spanish Plus Application Web*

Faculty Mentor: Mohsen Beheshti, Computer Science

9:15–9:30 a.m. **Nishant Joshi, Computer Science**

*Transfer Learning in Object Detection and API used in Object Detection*

Faculty Mentor: Bhriagu Celly, Computer Science

9:30–9:45 a.m. **Soham Surendra Patwardhan, Computer Science**

**CANCELLED**

*Advancement Made in the Field of CNN and Object Recognition and Comparison between Datasets*

Faculty Mentor: Bin Tang, Computer Science

9:45–10:00 a.m. **Hetsi Shah, Computer Science**

*Object Detection, Attention, Localization Strength of Frameworks.*

*Comparing the Frameworks*

Faculty Mentor: Bhriagu Celly, Computer Science

10:00–10:15 a.m. **Hooman Gol Mohammadi, Computer Science**

**CANCELLED**

*Face Recognition for Beginner*

Faculty Mentor: Bhriagu Celly, Computer Science

## Poster Session II — Ballroom A

### Morning Session: 9:00 – 11:30 a.m.

#### Behavioral and Social Sciences

- 48 Brandon Crow, Psychology**  
*Fully Automated Driving and Public Perceptions, Acceptance, and Anxiety*  
Faculty Mentor:  
Thomas Norman, Management
- 49 Taylor Duffy, Emily Gonzalez, Lauren Ramirez, Psychology**  
*Influences of Family Disease History on Mastery Beliefs, Perceived Health and Future Risk for Diabetes-Acquisition*  
Faculty Mentor: Silvia Santos, Psychology
- 50 Brandon Crow, Psychology**  
*Fully Automated Driving and Public Perceptions, Acceptance, and Anxiety*  
Faculty Mentor:  
Thomas Norman, Management
- 51 Ryan Butler, Psychology**  
*Can Google Cardboard's Virtual Reality Platform aid in Learning and Memory?*  
Faculty Mentor: Larry Rosen, Psychology
- 52 Kenghuy Ung, Psychology**  
*The Effect of ADHD, Depression, and Comorbidity on Academic Performance in College Students*  
Faculty Mentor: Karen Wilson, Psychology
- 53 Stephanie Torres, Psychology**  
*Differences Between the Use of Instagram and Twitter on Self-Disclosure*  
Faculty Mentor: Larry Rosen, Psychology
- 54 Alejandro Del Cid, Selena Moreno, Julie Mendoza, Ivett Gabriella, Julia Tasedan, Psychology**  
*Does Gratitude Protect Adolescents from Social Anxiety and Depression?*  
Faculty Mentor: Giacomo Bono, Psychology
- 55 Alicia Rodriguez, Psychology**  
*Examining Motivational Factors among College Students Who Were Formally Foster Youth*  
Faculty Mentor: Phu Phan, Human Services

- 56 Faviola Varela Perez, Anahi Gomez, Psychology**  
*The Latino Experience*  
Faculty Mentor: Steven Frieze, Psychology
- 57 Daniel Correa, Psychology**  
*How Witnessing Aggression in the Workplace Affects Anxiety*  
Faculty Mentor:  
Thomas Norman, Management

#### Computer Science

- 58 Khalid Alghamdi, Don Crawford, Hooman Gol, Hilario Balajadia, Computer Science**  
*A Face Recognition in Video*  
Faculty Mentor: Bhriugu Celly, Computer Science
- 59 Yash Sunil Ballani, Rushabh Jitendrakumar Shah, Ashwini kumar Singh, Jeffery Lutz, Computer Science**  
*Multi-clustered Computing using Kubernetes*  
Faculty Mentor: Bhriugu Celly, Computer Science
- 60 Satish Naga Venkata Divvi, Darshit Shah, Mario Aguirre, Computer Science**  
*Performance Analysis of Deep Learning Frameworks - TensorFlow, Keras, Chainer, and PyTorch using Convolutional Neural Network*  
Faculty Mentor: Bhriugu Celly, Computer Science
- 61 Nishant Joshi, Soham Patwardhan, Harman Singh Brar, Bhaskar Bhardwaj, Computer Science**  
*Object Detection Explaining Result Analysis and Steps of Installation*  
Faculty Mentor: Bhriugu Celly, Computer Science
- 62 Rineel Reddy Lingala, Computer Science**  
*BigQuery, Kafka and Kinesis Integration*  
Faculty Mentor: Bhriugu Celly, Computer Science

- 63 **Jenny Fernandez, Computer Science**  
*Stock Market Prediction using Tweet Sentiment Analysis*  
 Faculty Mentor: Bhrigu Celly,  
 Computer Science **CANCELLED**

### Creative Arts

- 64 **Jeannette Garcia, Studio Art**  
*The true cost of fruit in America*  
 Faculty Mentor: Devon Tsuno, Art and Design
- 65 **Santos Nunez, Art and Design**  
*Loud and Unclear*  
 Faculty Mentor: Devon Tsuno, Art and Design
- 66 **Itzel Marin, Art and Design**  
*Activism through Art: Reducing Sexual Harassment Against Women on Public Transportation*  
 Faculty Mentor: Devon Tsuno, Art and Design

### Business, Economics, and Public Administration

- 67 **Brandon Crow, Psychology**  
*Overview of Higher Education in Africa*  
 Faculty Mentor: Thomas Norman,  
 Management
- 68 **Jennifer Letendre, Human Resources**  
*Using Reciprocity to Reduce Homeless Stigmatization*  
 Faculty Mentor: Jessica Federman,  
 Management
- 69 **Jocelyn Tamayo, Jasmine Stewart, Business**  
*Higher Education and Management Education in Cameroon*  
 Faculty Mentor: Thomas Norman,  
 Management
- 70 **Alexis Granados, Katherine Cruz, Management** **CANCELLED**  
*Education in Ethiopia*  
 Faculty Mentor: Thomas Norman,  
 Management
- 71 **Kishan Bhakta, Luis Garcia, Management**  
*Zimbabwe*  
 Faculty Mentor: Thomas Norman,  
 Management

### Humanities and Letters

- 72 **Bryan Cantero, Chicano/a Studies**  
*Corridos: A Tool for Succeeding in Higher Education*  
 Faculty Mentor: Corina Benavides Lopez,  
 Chicano/a Studies
- 73 **Thaithao Nguyen, History**  
*LGBTQ Center Long Beach During AIDS Decade*  
 Faculty Mentor: Andrea Johnson, History
- 74 **Lauren Lewis, Communications**  
*The Death of the Shopping Mall*  
 Faculty Mentor: Linda Dam, Communications

### Biological and Agricultural Sciences

- 75 **Meliss Guardado, Biology**  
*The Role of Zbtb32 in NK Cell Immunity*  
 Faculty Mentor: Aimee Beaulieu, Immunology
- 76 **Iris Nakashima, Biology**  
*Determining if Extracellular Matrix Derived from Lungs Enhances Pulmonary Differentiation of Induced Pluripotent Stem Cells (iPSC)*  
 Faculty Mentor: Christine Finck, Pediatrics
- 77 **Natalya Cardona, Biology**  
*The Impact of Climate Heterogeneity in Niche Evolution and Diversification of Encelia in Western North America*  
 Faculty Mentor: Sonal Singhal, Biology
- 78 **Andrea Hernandez, Biology**  
*Genetic Conservation of Encelia densifolia and E. ravenii*  
 Faculty Mentor: Sonal Singhal, Biology
- 79 **Ann Lobo, Biology**  
*Assessing the Function of Genes Involved in Aromatic Compound Metabolism in Escherichia coli Survival*  
 Faculty Mentor: Karin Kram, Biology
- 80 **Stacy Zamora, Biology**  
*Effects of Estradiol on ΔFosB Protein Expression in Mesolimbic Structures of the Rodent Brain After Exposure to Cocaine*  
 Faculty Mentor: Philip Vieira, Psychology
- 81 **Eric Zamora, Andres Dominguez, Anthropology**  
*How to Identify Saw Marks on Bones*  
 Faculty Mentor: Sara Lacy, Anthropology

# Student Research Day Lunch

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**Thursday, February 14, 2019**

**Ballroom C: 12:00 – 1:20 pm**

## PROGRAM

### Welcome

Dr. Claudia G. Peyton

*Interim Dean of Graduate Studies and Research*

### Opening Remarks

Dr. Thomas A. Parham

*President*

### Keynote Speech

Jess Phoenix

*Geologist, Volcanologist*

*Co-founder. Blueprint Earth*



Jess Phoenix is executive director and co-founder of the environmental scientific research organization Blueprint Earth. She is a volcanologist, an extreme explorer, and former candidate for United States Congress. She has been chased by narco-traffickers in Mexico, dodged armed thieves in remote Peru, raced horses across Mongolia, worked on the world's largest volcano in Hawaii, piloted the Jason2 submersible on an undersea volcano, and explored deep in the Australian Outback. Jess believes science should be accessible to everyone, and that creative possibility is limitless. Jess is a Fellow in The Explorers Club and the Royal Geographical Society, a featured scientist on the Discovery and Science Channels, an invited TEDx speaker, and she has appeared in the *New York Times*, the *Washington Post*, in *Wired*, Fast Company, on National Public Radio, on CNN, NBC, and has written for the BBC.

## **Business, Economics, and Public Administration II — LSU 323**

**Afternoon Session: 2:00 – 4:40 p.m.**

**2:00–2:20 p.m. Patricia Valladolid, Public Administration**

**CANCELLED**

*Americans Opinions Are the New Social Movement*

Faculty Mentor: Elena Kulikov, Public Administration

**2:20–2:40 p.m. Joanne Lobo, Finance**

*A True Tragedy of - and by - the Commons: How U.S. Job Outsourcing Posits Economic*

*Progress as a Guise for Social and Political Control*

Faculty Mentor: Rama Malladi, Finance

**2:40–3:00 p.m. Ahmed Jalloh, Public Administration**

**CANCELLED**

*The Effects of Demographic Changes in the Workforce*

Faculty Mentor: Zheng Yang, Public Administration

**3:00–3:20 p.m. Eugene Cox II, Psychology**

*Understanding Technology Competence and Digital Collaboration of African-American*

*College Students and Their Peers: An Empirical Study*

Faculty Mentor: Nancy Deng, Information Systems and Operation Management

**3:20–3:40 p.m. Shainna Cato, Tiffani Cameron, Management**

*Wingstop Quality Service Analysis*

Faculty Mentor: Orié Berezen, Management

**3:40–4:00 p.m. Kenneth Goudy, Information Systems**

*Impact of Various Risks in IS Development*

Faculty Mentor: Myron Sheu, Information Systems and Operation

Management

**4:00–4:20 p.m. Shirley Jones, Public Administration**

**CANCELLED**

*Confidence in Executive Branch of Government among Public Workers*

Faculty Mentor: Elena Kulikov, Public Administration

**4:20–4:40 p.m. Tarita Varner, Public Administration**

*Factors that Impact Federal Employee Turnover*

Faculty Mentor: Elena Kulikov, Public Administration

## **Behavioral and Social Sciences IV — LSU 326**

### **Afternoon Session: 2:00 – 4:00 p.m.**

- 2:00–2:20 p.m. Andrew Luu, Psychology**  
*Digital Metacognition Mediates the Impact of Technological Anxiety, Boredom, and Executive Dysfunction on Course Performance"*  
Faculty Mentor: Larry Rosen, Psychology
- 2:20–2:40 p.m. Janelly Reyes, Leticia Rojas, Devyna Nimmers, Psychology**  
*Job Selection Motivators: How Gender and Education Affect Job Selection*  
Faculty Mentor: Heather Butler, Psychology
- 2:40–3:00 p.m. Cristina Ramirez, Anthropology**  
*La Vida De Los Luqueños: San Lucas Toliman, Guatemala*  
Faculty Mentor: Sarah Taylor, Anthropology
- 3:00–3:20 p.m. Anna Ramirez, Sociology**  
*Becoming Dr. Chicana*  
Faculty Mentor: Katy Pinto, Sociology
- 3:20–3:40 p.m. Devyna Nimmers, Psychology / Behavioral Sciences**  
*Hand Dominance: How Handedness Has Posed a Challenge to Education*  
Faculty Mentor: Sonja Ulrich, Behavioral Sciences
- 3:40–4:00 p.m. Ray Jaquez, Christian Harms, Psychology**  
*Design Your Life: An Innovative Career Readiness Intervention for College Students*  
Faculty Mentor: Heather Butler, Psychology

## **Behavioral and Social Sciences V — Ballroom B**

### **Afternoon Session: 2:00 – 4:40 p.m.**

- 2:00–2:20 p.m.**    **Sandra Cortez, Clinical Psychology**  
*Measuring Workplace Aggression Using Heart Rate Response*  
Faculty Mentor: Thomas Norman, Management
- 2:20–2:40 p.m.**    **Ian A. Klinger, Sociology**  
*My Dad called Him a “Devil Worshipper”: Religious Deconversion Experiences of Students at CSU Dominguez Hills*  
Faculty Mentor: Matt G. Mutchler, Sociology
- 2:40–3:00 p.m.**    **Kristin Arriaga, Anna Ramirez, Treneisha O’neal, Sociology**  
*Stronger Together: Examining the Stressors Causing Latinx Students to Reach for Support and the Ways They Navigate Finding Support Networks*  
Faculty Mentor: Katy Pinto, Sociology
- 3:00–3:20 p.m.**    **Frank Rojas, Communications**  
*The Social Identities of Men of Color in Higher Education*  
Faculty Mentor: Nancy Cheever, Communications
- 3:20–3:40 p.m.**    **Amaranta Ramirez, Psychology**  
**CANCELLED**    *Online Social Herding in Teenagers*  
Faculty Mentor: L. Mark Carrier, Psychology
- 3:40–4:00 p.m.**    **Bryan Cano, Political Science**  
*Corruption in Presidential System with an In-Depth Analysis of the Philippine Government*  
Faculty Mentor: Yeaji Kim, Political Science
- 4:00–4:20 p.m.**    **Christian Harms, Ray Jaquez, Psychology**  
*Building Resilience to Failure: The Design Your Life Approach to Vocational Development*  
Faculty Mentor: Heather Butler, Psychology
- 4:20–4:40 p.m.**    **Christopher Casillas, Araceli Mojica, Anthropology**  
**CANCELLED**    *Native American Traditional Healing Method*  
Faculty Mentor: Susan Needham, Anthropology



## **Creative Arts II — LSU 328**

### **Afternoon Session: 2:00 – 4:20 p.m.**

- 2:00–2:20 p.m. Darlene Davis, Child Development**  
*Age and Cultural Differences in Contents of Picture Books*  
Faculty Mentor: Megumi Kuwabara, Child Development
- 2:20–2:40 p.m. Christina Laybon, Arts and Humanities**  
**CANCELLED** *Los Tres Grande and The Mexican Mural Movement: A Tour of Los Angeles's Historical Murals*  
Faculty Mentor: Kristen Ellsworth, Art History
- 2:40–3:00 p.m. Jessica Cisneros, Andrea Lupercio, Edward Rivas, Drake Martes, Digital Media Arts**  
*Ascent – Life of a Climber*  
Faculty Mentor: George Vinovich, Digital Media Arts
- 3:00–3:20 p.m. Jason Brito, Jessie, Digital Media Arts**  
*Teen Homelessness*  
Faculty Mentor: George Vinovich, Digital Media Arts
- 3:20–3:40 p.m. Isai De Los Angeles, Art & Design**  
*Film in Painting*  
Faculty Mentor: Devon Tsuno, Art and Design
- 3:40–4:00 p.m. Lisa Cone, Art History**  
*Kandinsky vs Saint George and the Dragon*  
Faculty Mentor: Kirstin Ellsworth, Art History
- 4:00–4:20 p.m. Jessica Cisneros, Marcos Chavez, Digital Media Arts**  
*Smoking and Aging*  
Faculty Mentor: George Vinovich, Digital Media Arts

## **Computer Science III — Ballroom C**

### **Afternoon Session: 2:00 – 4:40 p.m.**

- 2:00–2:20 p.m. Fnu Jaspreet Singh, Computer Science**  
*Speaker Diarization*  
Faculty Mentor: Bhrigu Celly, Computer Science
- 2:20–2:40 p.m. Yash Sunil Ballani, Computer Science**  
*Deploying Kubernetes on Private Cloud*  
Faculty Mentor: Bhrigu Celly, Computer Science
- 2:40–3:00 p.m. Ashwini Kumar Singh, Computer Science**  
*Continuous Integration and Deployment with Jenkins and Kubernetes and Docker*  
Faculty Mentor: Bhrigu Celly, Computer Science
- 3:00–3:20 p.m. Rushabh Shah, Computer Science**  
*Kubernetes Cluster Deployment on Public Cloud*  
Faculty Mentor: Bhrigu Celly, Computer Science
- 3:20–3:40 p.m. Rong Yang, Computer Science**  
*A Brief Study of Multi- GPU*  
Faculty Mentor: Bhrigu Celly, Computer Science
- 3:40–4:00 p.m. Rong Yang, Computer Science**  
*Machine Learning and Deep Learning Applications*  
Faculty Mentor: Bhrigu Celly, Computer Science
- 4:00–4:20 p.m. Arpitha Nagavara Ananthamurthy, Computer Science**  
*Scrape Skiing*  
Faculty Mentor: Bhrigu Celly, Computer Science
- 4:20–4:40 p.m. Soham Surendra Patwardhan, Hetsi Shah, Khalid Alghamdi, Computer Science**  
*Preservation of Data Based on Priority*  
Faculty Mentor: Bin Tang, Computer Science

## Computer Science IV — LSU 327

### Afternoon Session 2:00 – 5:00 p.m.

- 2:00–2:20 p.m. Eleazar Gomez, Computer Science**  
*Toro Spanish Plus Application Web*  
Faculty Mentor: Mohsen Beheshti, Computer Science
- 2:20–2:40 p.m. Zeyi Liu, Shanglin Hsu, Yimin Wang, Computer Science**  
*Data Preservation in Base Station-less Sensor Networks: A Game Theoretic Approach*  
Faculty Mentor: Bing Tang, Computer Science
- 2:40–3:00 p.m. Akshay Anil Wadkar, Computer Science**  
**CANCELLED** *Different Message Brokers & Their Cross-Integration*  
Faculty Mentor: Brighu Celly, Computer Science
- 3:00–3:20 p.m. Padmaja Kanthi Rekha Inampudi, Computer Science**  
*Jenkins Deployment in Kubernetes in All Cloud Services*  
Faculty Mentor: Bhrigu Celly, Computer Science
- 3:20–3:40 p.m. Padmaja Kanthi Rekha Inampudi, Computer Science**  
*Big Query and EMR Use Case with Machine Learning*  
Faculty Mentor: Bhrigu Celly, Computer Science
- 3:40–4:00 p.m. Nishant Joshi, Computer Science**  
*Transfer Learning in Object detection and API used in Object Detection*  
Faculty Mentor: Bhrigu Celly, Computer Science
- 4:00–4:20 p.m. Soham Surendra Patwardhan, Computer Science**  
*Advancement Made in the field of CNN and Object Recognition and Comparison between Datasets*  
Faculty Mentor: Bhrigu Celly, Computer Science
- 4:20–4:40 p.m. Hetsi Shah, Computer Science**  
*Object Detection, Attention, Localization Strength of Frameworks.*  
*Comparing the frameworks*  
Faculty Mentor: Bhrigu Celly, Computer Science
- 4:40–5:00 p.m. Hooman Gol Mohammadi, Computer Science**  
*Face Recognition For Beginner*  
Faculty Mentor: Bhrigu Celly, Computer Science

## **Health, Nutrition, and Clinical Sciences III — LSU 324-325**

### **Afternoon Session: 2:00– 4:00 pm**

- 2:00–2:20 p.m.** **Abigail Leven, Robin Nguyen, Sydney MacWilliams, Emma Nishimura, Occupational Therapy**  
*The Lived Experience of Older Adults in Intergenerational Programs: A Phenomenological Study*  
Faculty Mentor: Heather Kitching, Occupational Therapy
- 2:20–2:40 p.m.** **Adria Cromosini, Emily Benson, Mackenzie Foresta, Occupational Therapy**  
*The Lived Experiences of Older Adults with Companion Dogs*  
Faculty Mentor: Heather Kitching, Occupational Therapy
- 2:40–3:00 p.m.** **Oliver Maurice, Orthotics and Prosthetics**  
*Unconventional Static Positioning: A Pilot Study*  
Faculty Mentor: Julie Werner, Occupational Therapy
- 3:00–3:20 p.m.** **Kassandra Servin, Nadeesh Mohotty, Hermela Abege, Art Ramirez, Melannie Ortiz, Tania Trigueros, Health Science**  
*Senior Living Service Access and Aging Population: A Geographic Information System (GIS) Demographic Analysis on Residents 65 Years and Older in Los Angeles County*  
Faculty Mentor: Matthew Ting, Health Science
- 3:20–3:40 p.m.** **Josiah Trimper, Daniel Cristoball, Kimberly Perez, Zain Madha, Health Science**  
*Perceptions of Medical Mistreatment and Emergency Room Visits*  
Faculty Mentor: Archana Sharma, Health Science
- 3:40–4:00 p.m.** **Regina Sarnicola, Tiffanie Vu, Loree Pham, Christina Villasenor, Occupational Therapy**  
*Exploring Spirituality in Occupational Therapy Practice: A Phenomenological Study*  
Faculty Mentor: Heather Kitching, Occupational Therapy

## Roundtable III — LSU 320

### Afternoon Session: 2:00 – 4:00 p.m.

**2:00–2:15 p.m.** **Derrick Harding, Saray Martinez, Laura Garcia, Social Work**

*Addressing the Untouched Wounds in Communities of Color*

Faculty Mentor: Paul Duong-Tran, Social Work

**2:15–2:30 p.m.** **Ana Ramirez, Sociology**

*Becoming Dr. Chicana*

Faculty Mentor: Katy Pinto, Sociology

**2:30–2:45 p.m.** **Meriem Tewfik, Computer Science**

Network and Computer Security In An Organization

**2:45–3:00 p.m.** **Zeyi Liu, Shanglin HSU, Yimin Wang, Computer Science**

*Data Preservation in Base Station-less Sensor Networks: A Game Theoretic Approach*

Faculty Mentor: Bing Tang, Computer Science

**3:00–3:15 p.m.** **Akshay Anil Wadkar, Computer Science**

Different Message Brokers & Their Cross-Integration

Faculty Mentor: Bhrigu Celly, Computer Science

**3:15–3:30 p.m.** **Sahari Vargas, Anthropology**

*Anxiety in Dancers*

Faculty Mentor: Doris Ressler, Dance

**3:30–4:00 p.m.** **Paola Lopez Cebreros, Child Development**

**CANCELLED**

*Student Employment as a High Impact Practice*

Faculty Mentor: Maruth Figueroa, Toro Learning and Testing Center

## Poster Session III — Ballroom A

Afternoon Session: 2:00 – 5:00 p.m.

### Biological and Agricultural Sciences

**82 Nataly Arias, Biology**  
*Cross-Talk Between Aldehyde Dehydrogenase 1 (ALDH1)-Expressing Mammary Cancer Stem Cells and Beige Adipocytes Drive African American Triple Negative Breast Tumor Growth*  
Faculty Mentor: Shehla Pervin, Biology

**83 Leobardo Corona Jr, Biology**  
*Investigating the Expression and Function of Transcription Factors, znfx1 and vgl1, in Zebrafish during Early Skin Development*  
Faculty Mentor: Fang Wang, Biology

**84 Erik Martinez, Biology**  
*Identifying Genes that Play a Role in Long-term Survival of Escherichia coli*  
Faculty Mentor: Karin Kram, Biology

**85 Natalya Cardona, Biology**  
*Correlation of Genotypic and Phenotypic Features of Autism Using Machine-learning Methods*  
Faculty Mentor: Sonal Singhal, Biology

**86 Mayra Padilla Flores, Biology**  
*Hybridization between E. ventorum and E. asperifolia*  
Faculty Mentor: Sonal Singhal, Biology

**87 Jason Williams, Chemistry**  
*Conjugated Acetylenes from Adenia lobata with Growth Inhibitory Effects Against Carcinogenic Brain Glioma Cells*  
Faculty Mentor: Patrick Still, Chemistry

### Physical and Mathematical Sciences

**88 Daniel Cole-Apt, Michelle Mohr, Earth Science and Geography**  
*Is CSUDH Campus Accessible Friendly?*  
Faculty Mentor: Parveen Chhetri, Earth Science and Geography

**89 Renee Paulson, Earth Science**  
*Mapping Urban Farming in San Pedro Using Geographic Information Systems*  
Faculty Mentor: Parveen Chhetri, Earth Science and Geography

**90 Alberto Angeles, Mathematics**  
*Analysis of the Minkowski Function*  
Faculty Mentor: Wai Yan Pon, Mathematics

**91 Eric Thai, Geography**  
*Shrub expansion in the Makalu Barun National Park Nepal Himalaya*  
Faculty Mentor: Parveen Chhetri, Earth Science and Geography

**92 Elvis Carrillo, Earth Science and Geography**  
*Estimated Losses Associated with Simulated Earthquakes in Southern California*  
Faculty Mentor: Parveen Chhetri, Earth Science and Geography

**93 David Saldana, Earth Science and Geography**  
*Understanding Severe Drought Events Using Tree-Rings in California*  
Faculty Mentor: Parveen Chhetri, Earth Science and Geography

**94 Andrea Sosa, Earth Science**  
*Are CSUDH Restroom Fixtures Water Efficient?*  
Faculty Mentor: Cheyenne Cummings, Earth Science and Geography

### Behavioral and Social Sciences

**95 Stephanie Gaston, Mathematics**  
*Application of Differential Algebra to Linear Independence of Arithmetic Functions*  
Faculty Mentor: Wai Yan Pong, Mathematics

**96 Diane Aguilar, Biology**  
*Generating Point Mutations in Escherichia coli to Study Bacterial Evolution*  
Faculty Mentor: Karin Kram, Biology

- 97 John Gonzalez, Political Science**  
*The Rise of Political Mobilization*  
 Sponsored by Professional Athletes  
 Faculty Mentor: Yeaji Kim, Political Science
- 98 Diana Corral, Sociology**  
*Mujeres Poderosas: The Educational Experience of CSU Latina Students & Faculty*  
 Faculty Mentor: Joanna Perez, Sociology
- 99 Kristin Arriaga, Anna Ramirez, Treneisha O'Neal, Sociology**  
*Reality Check: A Modern Day Look into the Ways Students Understand Information Literacy*  
 Faculty Mentor: Katy Pinto, Sociology
- 100 Peter Fuqua, Alexis Capistran, Sheyla Flores Quintero, Matthew Fusco, Biviam Jimenez, Ernesto Soria, Lilibeth Tome, Anthropology**  
*Student Health and Wellness at Cal State Dominguez Hills*  
 Faculty Mentor: Sarah Taylor, Anthropology
- 101 Cristina Ramirez, Samantha Sanchez, Sahara Vilchis, Jessica Martinez, Georgina Diaz, Anthropology**  
*Waste Management at CSU Dominguez Hills*  
 Faculty Mentor: Sarah Taylor, Anthropology

## Education

- 102 Gayle Hiram, Counseling**  
*Helping Student Veterans Meet Their Challenges: Investigating the Underutilization of the Veterans Resource Center*  
 Faculty Mentor: Pamela Robinson, Education
- 103 Omar Brown, Finance**  
*Abstract*  
 Faculty Mentor: Thomas Norman, Management
- 104 Vanessa Frias, Child Development**  
*Discrete Formats Challenge Children's Proportional Reasoning, but Mental Rotation Ability May Help*  
 Faculty Mentor: Kreshnik Begolli, Child Development

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# Notes

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