



15th Annual **STUDENT RESEARCH DAY**



CALIFORNIA STATE UNIVERSITY, DOMINGUEZ HILLS

02 | 12-13

Greetings from President Parham



At the heart of our university is the discovery and dissemination of knowledge and information, generating new understandings about the complexities of the world we live in.

Welcome to California State University, Dominguez Hills' 15th Annual Student Research Day. Today, we celebrate the achievement of our students who have been conducting original scholarly investigations. In all five colleges, our students have demonstrated talent and ambition, and I recognize their achievements.

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 Day is essential to the mission of our campus.

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

Sincerely,

A handwritten signature in black ink, reading "Thomas Parham". The signature is fluid and cursive, with a long horizontal stroke at the end.

Thomas A. Parham, Ph.D.

President

Welcome

Presenters, judges, faculty mentors, and guests:

To our scholars and our entire academic community, welcome to Student Research Day!

Creative inquiry and original scholarship are at the heart of universities, and at CSUDH, the quality and quantity of research in our program demonstrates our values and our successes.

As you are taking in talks and visiting with poster presenters, I hope that you'll engage with the researchers to discover how what they've learned contributes to our community and how it advances knowledge in their fields. We have outstanding work from a wide variety of disciplines, and I encourage you to stretch yourselves to learn in areas that are less familiar to you.

This event takes place over just 24 hours, but is the culmination of many months of work from the organizing committee, and I thank them for their efforts. I would also like to thank Associated Students, Inc., Academic Affairs, and other sponsors of this event. For every achievement of students in this conference, their efforts were supported by faculty mentors, who understand that the opportunity to conduct scholarly research prepares all students for lifelong learning.

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 John W. Price, 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

Wednesday – February 12, 2020

Loker Student Union

5:30 – 6:00 p.m.	Registration
6:00 – 9:00 p.m.	Evening Sessions

Thursday – February 13, 2020

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. John W. Price Interim Dean, Graduate Studies and Research
12:05 – 12:10 p.m.	Opening Remarks Dr. Michael E. Spagna, Provost Academic Affairs
12:10 – 12:50 p.m.	Keynote Speaker Mario Ybarra Jr., Conceptual Artist
12:50 – 12:52 p.m.	Closing Remarks Dr. Terry McGlynn Director, Undergraduate Research
12:50 – 1:20 p.m.	Lunch

Loker Student Union

2:00 – 4:30 p.m.	Afternoon Sessions
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Library South, Fifth Floor

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

Africana Studies	Donna Nicol
Anthropology	Sarah Lacy, Susan Needham, Kenneth Seligson, Sarah Taylor
Art and Design	Kirstin Ellsworth, Greg Mocilnikar, Devon Tsuno
Biology	Brynne Bryan, Joanne Engel, Jorge Espinoza-Derout, Brinda Govindan, Kamrul Hasan, Karin Kram, Charlene McCord, Sonal Singhal, Kathryn Thiess, Fang Wang, Douglas Yee
Chemistry & Biochemistry	Barbara Belmont, Kari Pederson, Kenneth Rodriguez, Patrick Still, Sen Wang
Chicana/o Studies	Corina Benavides Lopez, Marisela Chavez, Ana Elizabeth Rosas
Child Development	Kreshnik Begolli, Megumi Kuwabara
Clinical Science	Payman Nasr
Communications	Ryan Bowles Eagle, Brant Burkey
Computer Science	Amlan Chatterjee, Bhrigu Celly, Jianchao Han, Bin Tang
Digital Media Arts	George Vinovich
Earth Science and Geography	Parveen Chhetri, Cheyenne Cummings, Ashish Sinha
Education	Edward Curammeng, Jane Lee
English	Roderick Hernandez, Kimberly Huth, Vanessa Wenzell, Helen Oesterheld
Finance / Economics	Rama Malladi, Charles Thomas, Meghna Singhvi
Health Science	Enrique Ortega, Shannon Roback, Archana Sharma, Elwin Tilson
History	Bianca Murillo, Doris Namala, Laura Talamante,
Human Services	Archana Sharma
Information Systems & Operations Management	Nancy Deng, Myron Sheu
Institutional Effectiveness & Assessment	L. Mark Carrier
Interdisciplinary Studies	Anne Soon Choi
International Education	Hamoud Salhi
Kinesiology & Recreation	Gioella Chaparro, Ruby Meneses
Liberal Studies	Melissa Navarro, Jen Stacy
Management & Marketing	Orie Berezan, Thomas J. Norman, Gary Polk
Marital & Family Therapy	Michael Laurent
Mathematics	Matthew Jones, Kristen Stagg, Yi Wang, Caroly Yarnall, Matthew Young
Negotiation, Conflict Resolution & Peacebuilding	Nancy Erbe, Brian Jarret, Margaret Manning
Nursing	Terri Ares, Lauren Outland
Occupational Therapy	Heather Kitching, Jennifer Lucarevic, Sheryl Ryan, Julie Werner
Philosophy	Dana S. Belu
Physics	Antonia Boadi, Jim Hill
Psychology	Giacomo Bono, Heather Butler, Steven Frieze, Erin Merz, Kevin Montes, Larry Rosen, Silvia Santos, Carl Sneed, Luis Vega, Philip Viera, Tara Victor, Karen Wilson
Political Science	Sonja Ulrich
Public Administration	Zheng Yang
Social Work	Adriana Aldana, Paul Quang Duong Tran
Sociology	Matt Mutchler, Katy Pinto, Jose Prado, Gretel Vera Rosas, Brian Wiley
Women's Studies	Jennifer Brandt

Judges

Adriana Aldana	Camille Henderson	Marisa Nunes
Amy Allen	Jennifer Henriquez	Ken O'Donnell
JoAnn Aragon	Miriam Hernandez Martinez	Lauren Outland
Toumik Asatoorian	Nathlyn Hirohama	Thomas Philo
Roya Azizi	Yan-hua Huang	Fynnwin Prager
Orie Berezan	Kimberly Huth	Vivian Price
Gurmohan Bevli	Brian Jarrett	Harun Rashid
Del Bharath	Joshua Jeffers	Amanda Reyes
Jenn Brandt	Marcus Jones	Shannon Roback
Kaitlyn Breiner	Jian-yu (Fisher) Ke	Sheryl Ryan
Marwin Britto	John Keyantash	Ken Seligson
Heather Butler	Wafa Khasawneh	Sonal Singhal
Amalia Castañeda	Joanna Messer Kimmitt	Carl Sneed
Karla Castillo	Istvan Kovanecz	Hakjoon Song
Alexander Chen	Sarah Lacy	Ju-Hyun Song
Parveen Chhetri	Lei Lai	Cristina Springfield
Jenny Chiappe	Molly Lancaster	Chandra Srinivasan
Maggie Clark	Mara Lee Grayson	Jen Stacy
Emily Colville	Sarah Leinen	Kristen Stagg
Kelley Dawdy	Juan Leon	Lisa Sueki
Begona De Velasco	Kelin Li	Arumugam Thangavel
Nancy Deng	Susie Lopez-Benitez	Elwin Tilson
Anthony Joseph Gomez Diaz	Jennifer Lucarevic	Sarah Underwood
Paul DoungTran	Jody Mahler	Annalyn Valdez-Dadia
Nancy Erbe	Sally Mahmoud	Tara Victor
Paul Fornelli	Charlene McCord	Philip Vieira
Nestor Garza	Erin Merz	Fang Wang
Janine Gasco	Kevin Montes	Sen Wang
Kai Greene	Matt G. Mutchler	Tessa Withorn
Harneet Grewal	Melissa A. Navarro	Ana X De La Serna
Christopher Hallenbrook	Hannah Nguyen	Jun Xiang
Brynn Heckel	Thomas Norman	Zheng Yang

Organizing Committee

Terry McGlynn (Chair)	Katherine Cruz	Brigette Brown	Judith Aguirre
John W. Price (Dean)	Nancy Deng	Anthony Thompson	Aandrea Stang
Miya Smith (Scorer)	Gillian Fischer	Devon Tsuno	Claudia Orozco
Bacilisa Baltazar	Craig Geber	Jasmina Zuljevic	
Joseph Correa	Valencia Teems	Shaunte Caraballo	

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 12-13. 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

February 12, 2020

Wednesday

Session	Location
Behavioral and Social Sciences I	LSU 324-325 6:00 – 9:15 p.m.
Behavioral and Social Sciences II	Ballroom C 6:00 – 8:45 p.m.
Biological and Agricultural Sciences I	LSU 328 6:00 – 7:30 p.m.
Business, Economics, and Public Administration	LSU 327 6:00 – 8:30 p.m.
Education	LSU 326 6:00 – 7:30 p.m.
Humanities and Letters I	LSU 323 6:00 – 7:15 p.m.
Roundtable I	LSU 320 6:00 – 8:00 p.m.
Poster Session	Ballroom A-B 6:00 – 9:00 p.m.

February 13, 2020

Thursday Afternoon Session

Session	Location
Behavioral and Social Sciences IV	LSU 327 2:00 – 4:00 p.m.
Creative Arts and Design II	LSU 323 2:00 – 3:30 p.m.
Engineering and Computer Sciences	LSU 320 2:00 – 3:15 p.m.

February 13, 2020

Thursday Morning Session

Session	Location
Behavioral and Social Sciences III	Ballroom C 9:00 – 11:15 a.m.
Biological and Agricultural Sciences II	LSU 328 9:00 – 10:45 a.m.
Creative Arts and Design I	LSU 323 9:00 – 11:00 a.m.
Health, Nutrition, and Clinical Sciences I	LSU 324-325 9:00 – 11:45 a.m.
Humanities and Letters II	LSU 327 9:00 – 11:30 a.m.
Physical and Mathematical Sciences I	LSU 326 9:00 – 11:00 a.m.
Roundtable II	LSU 320 9:00 – 11:00 a.m.

Session	Location
Health, Nutrition, and Clinical Sciences II	LSU 324-325 2:00 – 4:30 p.m.
Health, Nutrition, and Clinical Sciences III	Ballroom C 2:00 – 4:30 p.m.
Humanities and Letters III	LSU 326 2:00 – 4:15 p.m.

Wednesday, February 12 Presentations

Behavioral and Social Sciences I

GRADUATE

LSU 324-325

- 6:00 – 6:15 p.m. Julia Childs Heyl**
Determining the Inclusivity of the CSU Basic Needs Initiative
Faculty Mentor: Adriana Aldana, Social Work
- 6:15 – 6:30 p.m. Kenghuy Ung**
The Importance of Social Support on College Students with Symptoms of Depression and Lack of Sleep
Faculty Mentor: Karen Wilson, Psychology
- 6:30 – 6:45 p.m. Taylor Duffy, Selena Moreno, Anthony Chuy, Kresimir Reil**
The Role of Gratitude Development in Facilitating Resilience Assets among Adolescents
Faculty mentor: Giacomo Bono, Psychology
- 6:45 – 7:00 p.m. Annes Chu**
Longitudinal Models of Gratitude and Well-Being among Adolescents
Faculty Mentor: Giacomo Bono, Psychology
- 7:00 – 7:15 p.m. Daniel Correa**
Predictors of General Anxiety: It's All about Technological Anxiety, Social Media Usage, Boredom and Metacognition
Faculty Mentor: Larry Rosen, Psychology
- 7:15 – 7:30 p.m. Mary Gauthier, Elijah Arzate**
Using the Theory of Planned Behavior and Procedural Justice Theory to Assess the Intent to Report Crime
Faculty Mentor: Heather Butler, Psychology
- 7:30 – 7:45 p.m. Ian A. Klinger**
"You can't tell anyone": Religious Deconversion Experiences of Students at CSU Dominguez Hills
Faculty Mentor: Matt G. Mutchler, Sociology
- 7:45 – 8:00 p.m. Noe Lopez**
Hispanic Serving Institutions and the Educational Pipeline of Chicanx Students
Faculty Mentor: Jose Prado, Sociology
- 8:00 – 8:15 p.m. Deena Stipsky, Carolina Dos Santos, Jessica Soriano, Vanessa Yanez, Diana Minero, Kristina Smith**
The Effect of Values Affirmation and Locus of Control on Resilient Behavior
Faculty Mentor: Steven Frieze, Psychology
- 8:15 – 8:30 p.m. Cynthia Blake**
Higher Education Post-Incarceration
Faculty Mentor: Katy Pinto, Sociology

- 8:30 – 8:45 p.m. Brandon Crow, Yosilin Caro**
Measuring the Ouch of Witnessed Workplace Aggression
Faculty Mentor: Thomas J. Norman, Management & Marketing
- 8:45 – 9:00 p.m. Kristin Arriaga**
Now Hiring: Examining the Role Educational Attainment Plays in the Gig Economy
Faculty Mentor: Katy Pinto, Sociology
- 9:00 – 9:15 p.m. Kresh Reil, Michelle Ruvalcaba, Tiffany Conejo, Leticia Estrada, Tania Salgado Gonzalez, Sara Sosa**
Manipulating Resilience in an Everyday Setting: The Effects of Self-Efficacy Priming and Social Support
Faculty Mentor: Steven Frieze, Psychology

Behavioral and Social Sciences II

GRADUATE

LSU Ballroom C

- 6:00 – 6:15 p.m. Jameson Lingl**
Sum-Dynamics: A Generalizable Theory of Conflict
Faculty Mentor: Brian Jarret, Negotiation, Conflict Resolution & Peacebuilding
- 6:15 – 6:30 p.m. Ray Jaquez, Rebecca Hall**
Design Your Life: A Systematic Approach in Investigating a 3-unit VS. 1-unit Career Readiness Intervention
Faculty Mentor: Heather Butler, Psychology
- 6:30 – 6:45 p.m. Hawk McFadzen**
Students' Perceptions of Basic Needs
Faculty Mentor: Gretel Vera Rosas, Sociology
- 6:45 – 7:00 p.m. Anna Ramirez**
Chicana Ph.D.s: Through the HSI Pipeline
Faculty Mentor: Jose Prado, Sociology
- 7:00 – 7:15 p.m. Angelica Rivera, Ramona Kraeutler**
The Relationship between Cognitive Planning and Performance, Age, and Self-Reported Sleep Duration in College Students
Faculty Mentor: Karen Wilson, Psychology
- 7:15 – 7:30 p.m. Sarah Cortez-Flores**
Women and the Gig Economy: Understanding the Participation of Women in Digital Platform Work
Faculty Mentor: Katy Pinto, Sociology
- 7:30 – 7:45 p.m. Ryan Butler, Stephanie Torres, Yoslin Caro**
Can Google Cardboard's Virtual Reality Platform Aid in Learning and Memory?
Faculty Mentor: Larry Rosen, Psychology
- 7:45 – 8:00 p.m. Sarah Wheeler**
The Surge in White Supremacy and Hate Crimes and Their Implications for MFTs
Faculty Mentor: Michael Laurent, Marital & Family Therapy
- 8:00 – 8:15 p.m. Jason Giang**
A Content Analysis of Recidivism, Cost Efficacy, and Offender Success in Mental Health Court
Faculty Mentor: Paul Quang Duong Tran, Social Work
- 8:15 – 8:30 p.m. Traci Kapp, Kimberly Kim, Irene Kim, Benita Na**
The Impact of Performing Arts Programs on Individuals with Autism Spectrum Disorder
Faculty Mentor: Sheryl Ryan, Occupational Therapy
- 8:30 – 8:45 p.m. Cassie Mingoia, Kallie Miller, Elisabeth Lawson**
Maneuvering the Minefield: The Lived Experience of Dating for Individuals with Congenital Disabilities
Faculty Mentor: Sheryl Ryan, Occupational Therapy

Biological and Agricultural Sciences I

UNDERGRADUATE AND GRADUATE

LSU 328

6:00 – 6:15 p.m. Nicole Roberts

Species Distribution Modeling of Threatened Bats in Global Biodiversity Hotspots
Faculty Mentor: Sonal Singhal, Biology

6:15 – 6:30 p.m. Alondra Pena

Adverse Effects of In Utero Exposure to E-cigarettes and High Fat Diets on Fetal Hearts
Faculty Mentor: Kamrul Hasan, Internal Medicine, Charles Drew University

6:30 – 6:45 p.m. Sabrina Madrigal

PCB Degradation by Bacteria in an Urban Wetland
Faculty Mentor: Karin Kram, Biology

6:45 – 7:00 p.m. John Wrath

Living on the Edge: Testing the Central Marginal Hypothesis in Australian Scincids
Faculty Mentor: Sonal Singhal, Biology

7:00 – 7:15 p.m. Liz Solis, Mayra Padilla Flores

Hybridization in the Encelia (Asteraceae) Family
Faculty Mentor: Sonal Singhal, Biology

7:15 – 7:30 p.m. Diane Aguilar, Patino Ramiro

Investigating Protein-Protein Interactions in the Chp Chemosensory System of Pseudomonas Aeruginosa
Faculty Mentor: Joanne Engel, Medicine, UC San Francisco School of Medicine

Business, Economics, and Public Administration

UNDERGRADUATE AND GRADUATE

LSU 327

- 6:00 – 6:15 p.m. Hawk McFadzen**
Campus-Wide Basic Needs Assessment
Faculty Mentor: Charles Thomas, Accounting, Finance and Economics
- 6:15 – 6:30 p.m. Edward Cruz, Aliya Almeida, Domenic Colacchio, Valeria Diaz Venegas, Terrea Moore**
The Effects of Gentrification on Housing Affordability in South Central Los Angeles
Faculty Mentor: Gary Polk, Management & Marketing
- 6:30 – 6:45 p.m. Brandi Embry**
Denzel Washington Bio-Poem
Faculty Mentor: Gary Polk, Management & Marketing
- 6:45 – 7:00 p.m. Alina Morales**
The Deficiency in the Utilitarianism Approach
Faculty Mentor: Gary Polk, Management & Marketing
- 7:00 – 7:15 p.m. Evander Herrera**
Effectiveness of Handling Risks in IS Development – An Analysis of 50 Cases
Faculty Mentor: Myron Sheu, Information System and Operations Management
- 7:15 – 7:30 p.m. Michael Aguilera**
Revealing the Hidden Risks in Gig Work: From the Perspective of Uber and Lyft Drivers
Faculty Mentor: Nancy Deng, Information System and Operations Management
- 7:30 – 7:45 p.m. Mursal Bokhari, Jerome Velasco, William McMahan**
Understanding the Learning Needs of College Students: From Qualitative Analysis to Quantitative Modeling
Faculty Mentor: Nancy Deng, Information System and Operations Management
- 7:45 – 8:00 p.m. Lisa Vihlborg**
Generations and Influencer Marketing
Faculty Mentor: Orie Berezan, Management & Marketing
- 8:00 – 8:15 p.m. Elias Amini**
The User Interface as an Enabler of Potential Discrimination within the Gig Economy
Faculty Mentor: Nancy Deng, Information System and Operations Management
- 8:15 – 8:30 p.m. Henry Marquez**
Yxta Research
Faculty Mentor: Orie Berezan, Management & Marketing

Education

UNDERGRADUATE AND GRADUATE

LSU 326

6:00 – 6:15 p.m. Kristian Kennedy

"I Don't Get It!": Culture, Classrooms, and Cultivating Student Engagement

Faculty Mentor: Edward Curammeng, Education, Curriculum & Instruction

6:15 – 6:30 p.m. Kemi Suleiman

Mirrors Don't Lie: Teaching is About Relationships: Educational Inequality in English

Language Art Classrooms

Faculty Mentor: Edward Curammeng, Education, Curriculum & Instruction

6:30 – 6:45 p.m. Kaitlyn Pardo

Sometimes I Just Want to Lie on the Floor and Do Nothing: Mindfulness Practices in a 5th Grade Classroom

Faculty Mentor: Edward Curammeng, Education, Curriculum & Instruction

6:45 – 7:00 p.m. Veronica Vega

Stepping Stones: Altering Curriculum and Morals in Children's Literature

Faculty Mentor: Kimberly Huth, English

7:00 – 7:15 p.m. Cynthia Martinez

"Es Que No Se Hablar Español", Navigating Through Dominant Ideologies and Language

Faculty Mentor: Melissa Navarro, Liberal Studies

7:15 – 7:30 p.m. Valerie Duran

Pathways to Mathematical Success at CSUDH

Faculty Mentor: Matthew Jones, Mathematics

Humanities and Letters I

GRADUATE

LSU 323

6:00 – 6:15 p.m. Jackson Martinez

The Privilege of Violence: Justified and Gendered in Julius Caesar and Hamlet

Faculty Mentor: Kimberly Huth, English

6:15 – 6:30 p.m. Veronica Vega

Subversion of Societal Gender Roles and Expectations in Shakespeare's Much Ado About Nothing

Faculty Mentor: Kimberly Huth, English

6:30 – 6:45 p.m. Bailey Britton

Analysis of Stephen Colbert's 2006 White House Correspondents' Association Dinner Speech with Politeness Theories

Faculty Mentor: Vanessa Wenzell, English

6:45 – 7:00 p.m. Jessica Gallardo

Language of Empowerment

Faculty Mentor: Vanessa Wenzell, English

7:00 – 7:15 p.m. Orji Ezieme

Dual EPA Superfund Sites: A Community Cries for Justice and Safety out for Justice and Safety

Faculty Mentor: Margaret M. Manning, Negotiation, Conflict Resolution & Peacebuilding

Roundtable Discussions I

UNDERGRADUATE AND GRADUATE

LSU 320

6:00 – 6:15 p.m. Cynthia Blake

Higher Education and the Reduction of Recidivism
Faculty Mentor: Katy Pinto, Sociology

6:15 – 6:30 p.m. Lindsay Swain

Mental Health & Homelessness in LGBTQ+ Youth: Education in After-School Programs
Faculty Mentor: Brian Wiley, Sociology

6:30 – 6:45 p.m. Natalia Gonzalez

Massive Transfusion Protocol: Best Practices for Implementation
Faculty Mentor: Terri Ares, Nursing

6:45 – 7:00 p.m. Siray Rodgers

Civil-Rights and Restorative Practice Analytical Research Studies
Faculty Mentor: Nancy Erbe, Negotiation, Conflict Resolution & Peacebuilding

7:00 – 7:15 p.m. Alycia Church-Presley, Ashley Favela, Biviam Jimenez

Inter-generational Transfer of Cultural Knowledge
Faculty Mentor: Susan Needham, Anthropology

7:15 – 7:30 p.m. Lloyd Marchan

Gender on Corporate Boards: U.S. vs Europe
Faculty Mentor: Meghna Singhvi, Accounting & Law

7:30 – 7:45 p.m. Taylor Francis, Sarah Smith

What Are the Long-Term Impacts of Short-Term Study Abroad Opportunities Among First-Generation Minority Students?
Faculty Mentor: Archana Sharma, Health Science

7:45 – 8:00 p.m. Alicia Salmeron

Sustainability through Restoring CSUDH's Soil
Faculty Mentor: Charlene McCord, Biology

Poster Session

UNDERGRADUATE AND GRADUATE

LSU Ballrooms A and B

Behavioral and Social Sciences

1. **Ramona Kraeutler, Angelica Rivera**
Dysfunctions in Emotion Regulation, Self-Reported Sleep Duration, and Substance Use in Female College Students
Faculty Mentor: Karen Wilson, Psychology
2. **Taylor Duffy, Evan Steinberg, Selena Moreno**
Measuring the Grateful Personality in Youth: Validation of the Gratitude Questionnaire for Youth (GQ-Y)
Faculty Mentor: Giacomo Bono, Psychology
3. **Taylor Duffy, Denise Aguiluz, Daniel Correa, Isabel Munoz**
The Relationship between Latino College Students' Socio-cultural Background, Dietary Self-Efficacy, Snacking Behaviors, and Diabetes Risk
Faculty Mentor: Silvia Santos, Psychology
4. **Angela Rivera**
High-Impact Program Evaluation: Leadership and Creative Expression (LCE)
Faculty Mentor: Tara Victor, Psychology
5. **Jessica Martinez, Dolores Duran**
American Indian Changing Spirits (Using Traditional Native American Healing and Spiritual Practices to Help in Sobriety)
Faculty Mentor: Susan Needham, Anthropology
6. **Gerquetta Jackson**
Women of Color Experience of Workplace Aggression
Faculty Mentor: Thomas J. Norman, Management & Marketing
7. **Yesenia Landa**
Water Management Systems of a Smaller Puuc Community in Yucatan
Faculty Mentor: Kenneth Seligson, Anthropology
8. **Nancy Sanchez**
Ethical Guidelines for Archaeological use of Lidar Technology
Faculty Mentor: Kenneth Seligson, Anthropology
9. **Michelle Sov, Ana De La Torre, Elizabeth Mallonee**
Integrating Community Engagement in CSUDH's General Education Program
Faculty Mentor: Sarah Taylor, Anthropology
10. **Rebecca Hall**
The Effect of a Career Readiness Course and First-Generation Status on College Students' Sense of Belongingness
Faculty Mentor: Heather Butler, Psychology
11. **Yosilin Caro**
Do Student Scheduling Preferences Reflect Student Behavior and Satisfaction?
Faculty Mentor: Thomas J. Norman, Management & Marketing
12. **Stephanie Torres**
Differences in Self-Disclosure between Twitter and Instagram
Faculty Mentor: Larry Rosen, Psychology
13. **Fredy Dominguez**
Loneliness and Isolation among Older Men in Southern California
Faculty Mentor: Anne Soon Choi, Interdisciplinary Studies
14. **Tania Lugo, Stacy Zamora, Peter Jerome, Ishmael Paulino**
Chronic Administration of Ethanol and the Brain: A Role for Δ FosB?
Faculty Mentor: Philip Vieira, Psychology
15. **Denise Aguiluz, Limor Vink, Saray Valenzuela, Margott Dela Cruz, Bryan Almeida, Diorlene Arca, Yadira Ramirez**
A Meta-Analytic Examination of the Associations between Drinking Identity and Use-Related Outcomes
Faculty Mentor: Kevin Montes, Psychology
16. **Evan Steinberg, Selena Moreno, Taylor Duffy, Anthony Chuy**
Gratitude as a Strength in Human Development
Faculty Mentor: Giacomo Bono, Psychology

17. **Sarahi Vargas, Giselle Adams, Katherine Gendron, Johanna Sobolic**
Community Engagement Minor
Faculty Mentor: Sarah Taylor, Anthropology
18. **Elijah Arzate**
Social Media-Induced Masculine Depression
Faculty Mentor: Heather Butler, Psychology
19. **Jennifer Vaja, Kassandra Jimenez, Sarona Geter, Fernanda Hernandez**
CSUDH Wellness Resources for Students
Faculty Mentor: Sarah Taylor, Anthropology
20. **Miguel Cuevas**
Influence of Peers and Commercials in Diet and Exercise
Faculty Mentor: Carl Sneed, Psychology
21. **Taylor Duffy, Daniel Correa, Denise Aguiluz, Isabel Munoz**
The Relationship between Latino College Student's Socio-cultural Background, Self-Efficacy, Exercise Behaviors, and Risk for Diabetes
Faculty Mentor: Silvia Santos, Psychology
22. **Maricela Hernandez, Cindy Cervantes, Javier Arizmendi**
How Does the Death Penalty Influence Crime Rate?
Faculty Mentor: Zheng Yang, Public Administration
23. **Yama Totakhail**
Tinder: How Does That Make You Feel?
Faculty Mentor: L. Mark Carrier, Institutional Effectiveness & Assessment
24. **Jennifer Vaja**
Post-Tsunami Recovery in Thailand
Faculty Mentor: Sarah Taylor, Anthropology
25. **Michelle Sov, Sheyla Flores Quintero, Johanna Sobolic**
The Role of Khmer Court Dance and Music in the Construction of a Khmer-American Identity
Faculty Mentor: Susan Needham, Anthropology

Biological and Agricultural Sciences

26. **Diana Tafoy, Claudia Yañez, Jennifer Mitchell**
Herbarium at Zzyzx
Faculty Mentor: Kathryn Theiss, Biology
27. **Funanya Uchemefun, Precious Holley, Samantha Perez**
Floral Visitors of a Tropical Milkweed
Faculty Mentor: Kathryn Theiss, Biology
28. **Chris Navarrete, Valerie Leonard, Gloria Arellano**
Population Genetics in the Pale Evening Primrose
Faculty Mentor: Kathryn Theiss, Biology
29. **Eliseo Villarreal, Brittany C. Brown-Sanchez, Juan Nuno**
Characterizing the Microbes in Nectar Carried by Individual Pollinators
Faculty Mentor: Karin E. Kram, Biology
30. **Stacy Zamora, Tania Lugo, Peter Paulino, Kevin Urstadt**
Examining the Effects of Estradiol on Expression of Δ fosB and Alk mRNA after Exposure to Cocaine
Faculty Mentor: Philip Vieira, Psychology
31. **Erick Galdamez Calles, Ítalo Luján Pedreschi, Chez Epps**
Phages from the Bay
Faculty Mentor: Brinda Govindan, SFSU
32. **Juana Alcocer Infante**
NMR Studies of the HIV-1 p17 Heparan Sulfate Binding
Faculty Mentor: Kari Pederson, Chemistry
33. **Jocelyn Molina-Mancio**
Metabolic Changes in Adipose Tissue in Response to Chronic Electronic Cigarette Exposure
Faculty Mentor: Jorge Espinoza-Derout, Charles Drew University
34. **Treasure Porter, Mireya Abril, Alexia Mayorga**
*Speciation of the Australian Lizards, *Ctenotus duricola* and *Ctenotus zasticus**
Faculty Mentor: Sonal Singhal, Biology
35. **Natalya Cardona**
*The Impact of Climate Heterogeneity in Niche Evolution and Diversification of *Encelia* in Western North America*
Faculty Mentor: Sonal Singhal, Biology

36. **Annette Zaragoza**
Night Puppies are Man's Best Friend, Too!
Faculty Mentor: Ashish Sinha, Earth Science
37. **Gabriel Angulo**
Geographic Information Systems for Invasive Species Research and Better Communication with Stockholders
Faculty Mentor: Parveen Chhetri, Earth Science
38. **John Coulston**
Investigating Zebrafish Gut Microbiome Dynamics throughout Development
Faculty Mentor: Fang Wang, Biology
39. **Taylor Wright**
The Prevalence of n-Nitrosodimethylamine in Our Produce
Faculty Mentor: Shannon Roback, Health Science
40. **Albert Barrios**
Insulin Receptor Isoform IRA/IRB Expression in Breast Cancer Cell Lines
Faculty Mentor: Douglas Yee, University of Minnesota
41. **Raul Gutierrez, Erik Martinez**
Identifying Genes That Play a Role in Long-Term Stationary Phase in Escherichia coli
Faculty Mentor: Karin Kram, Biology

Business, Economics, and Public Administration

42. **Joshua Mean**
Role of Gender in Executive Compensation: Study of U.S. Public Firms
Faculty Mentor: Rama Malladi, Accounting, Finance and Economics
43. **Silvia Alarcon, Barris Oden, Liliana Chavez**
Community Policing
Faculty Mentor: Zheng Yang, Public Administration

Creative Arts and Design

44. **Kelly Saravia**
Reducing Guatemalan Deportation through Visual Art
Faculty Mentor: Devon Tsuno, Art

Education

45. **Tong Nguyen**
The Comparative Effectiveness of Static Images versus 3D Models in Learning Anatomical Landmarks and Procedures
Faculty Mentor: Jennifer Lucarevic, Orthotics & Prosthetics
46. **Itzel Marin, Rihab Shuaib**
Navigating the California State University (CSU) System: The Lack of Support for Female Students of Color
Faculty Mentor: Jennifer Brandt, Women Studies
47. **Christine Hume-Dawson**
Ecology of Ladybugs and Aphids
Faculty Mentor: Brynne Bryan, Biology
48. **Brenda Edelen**
Students' Performance with Continuous and Discretized Quantities and Working Memory's Connection in Proportional Reasoning Task
Faculty Mentor: Kreshnik Begolli, Child Development
49. **Nicole Santillan**
Applying Community Cultural Wealth into Classrooms: An Ethnographic Study Examining Cultural Wealth in the City of Gardena
Faculty Mentor: Jen Stacy, Liberal Studies
50. **Jessica Morales, Tiana Scott, Amanda Sanchez**
Education Module in Human Evolution for Third Graders
Faculty Mentor: Sarah Lacy, Anthropology

Engineering and Computer Science

51. **Hilario Balajadia, Jr**
Load-balanced Middlebox Algorithms in Dynamic Cloud Data Centers
Faculty Mentor: Bin Tang, Computer Science
52. **Jacob Collette, Fernando Ochoa, Hector Cabrera**
Processing High-Density Images via Artificial Intelligence
Faculty Mentor: Amlan Chatterjee, Computer Science
53. **Hector Cabrera, Jacob Collete, Fernando Ochoa**
Detecting Patterns in Big Data Graphs
Faculty Mentor: Amlan Chatterjee, Computer Science
54. **Fernando Ochoa, Hector Cabrera, Jacob Collette**
Exploring Graph Compression Using Convolutional Neural Networks
Faculty Mentor: Amlan Chatterjee, Computer Science

Health, Nutrition, and Clinical Sciences

55. **Yuji Fujioka**
Improving Knowledge, Foot Health, and Function of Populations with Non-specific Foot Pain
Faculty Mentor: Jennifer Lucarevic, Orthotics & Prosthetic
56. **Daicy Luo**
Physical Activity and Adaptive Sports Equipment for Assessment in Quality of Life in Amputees
Faculty Mentor: Jennifer Lucarevic, Orthotics & Prosthetics
57. **Clarissa Chavez**
ACL Injury Frequency in Athletic Population on Artificial Grass
Faculty Mentor: Julie Werner, Occupational Therapy
58. **Kelsey Lawall**
Amputation Site Complications and Socioeconomic Status of Patients
Faculty Mentor: Julie Werner, Occupational Therapy
59. **Ashley Mooney**
Success Rates of Cranial Remolding Orthoses in Male vs. Females in Cases of Brachycephaly
Faculty Mentor: Jennifer Lucarevic, Orthotics & Prosthetics
60. **Gwen Gardner**
Exploring the Relationship between Active Runners and Foot Posture
Faculty Mentor: Julie Werner, Occupational Therapy
61. **Meghan Fischer**
Prosthetist Confidence with Different TH Prosthetic Designs
Faculty Mentor: Julie Werner, Occupational Therapy
62. **Sean Maher**
Interrater Reliability of the Thomas Test and the Standing Pelvic Tilt Test
Faculty Mentor: Jennifer Lucarevic, Orthotics & Prosthetics
63. **Monica Pak**
A Mobile App to Promote Smoking Cessation
Faculty Mentor: Lauren Outland, Nursing
64. **Aldo Arias**
Phantom Limb Pain Connected to Time since Amputation
Faculty Mentor: Jennifer Lucarevic, Orthotics & Prosthetics
65. **Kyle Roberts, Larissa Santana De Araujo**
How Reforms in the Health Care System of Cabo Verde since Independence in 1975 have Improved the Nation's Overall Health Despite Financial and Geographical Limitations.
Faculty Mentor: Payman Nasr, Clinical Science
66. **Celia Morado**
The Orthotic Use in Active Lifestyles Versus Sedentary
Faculty Mentor: Jennifer Lucarevic, Orthotics & Prosthetics
67. **Luis Perez, Everardo Averlar, Frieda Hayes, Katherine Alfaro**
Relationship between High School and College Grade Point Average
Faculty Mentor: Gioella Chaparro, Kinesiology and Recreation
68. **Colton Graham**
Association between Orthotic & Prosthetic Knowledge and Support of Pro Orthotic & Prosthetic Legislation
Faculty Mentor: Julie Werner, Occupational Therapy

69. **Katelyn Kahle**
Comparison of Professional Burnout between Prosthetics, Orthotics, Physical Therapy and Occupational Therapy
Faculty Mentor: Jennifer Lucarevic, Orthotics & Prosthetics
70. **Kathryn Lowrie**
Relationship between Efficiency of Gait and Polypropylene Leaf Spring AFO In Individuals with Stroke
Faculty Mentor: Julie Werner, Occupational Therapy
71. **Morgan Lishawa**
Comparison of Regular Exercise and Socket Comfort Scores
Faculty Mentor: Julie Werner, Occupational Therapy
72. **Rylie Weldon**
Changes in Self-Selected Gait Speed with Visual and Vestibular Challenges
Faculty Mentor: Julie Werner, Occupational Therapy
73. **Kaylee Clary**
Correlation of Salt Intake and Prosthetic Socket Comfort
Faculty Mentor: Julie Werner, Occupational Therapy
74. **Dana Green**
Correlation between the Time After Limb Loss and Body Image Acceptance
Faculty Mentor: Jennifer Lucarevic, Orthotics & Prosthetics
75. **Megan Davies**
Balance/Mobility Outcome Measures: A Pilot Study
Faculty Mentor: Jennifer Lucarevic, Orthotics & Prosthetics
76. **Celestia Davila**
Relationship between Risk of Falls and Socket Comfort
Faculty Mentor: Julie Werner, Occupational Therapy
77. **Norlizza Armas**
Oral Health Promotion in the Medical Homes
Faculty Mentor: Lauren Outland, Nursing
78. **Ruth Nunez**
Awareness of Care and Prevention of Diabetic Complications between Low and Middle Class Household Incomes
Faculty Mentor: Julie Werner, Occupational Therapy
79. **Allison Hobbs**
Intent for Immediate IUD Placement in Postpartum Women
Faculty Mentor: Lauren Outland, Nursing
80. **Juan Gonzalez-Moguel, Sandy Garcia**
The Effects of Social Network Usage among Mediterranean Youth
Faculty Mentor: Enrique Ortega, Health Science

Physical and Mathematical Sciences

81. **Andrea Lopez, Adriana Lomas, Raju Bista, David Saldana**
Tree-Ring Climate Response of Abies Spectabilis from the Sub-Alpine Forest of Dhorpatan Hunting Reserve, Western Nepal Himalayas
Faculty Mentor: Parveen Chhetri, Earth Science
82. **Vanessa Hinojosa, Briana Ramirez, Faviola Martinez**
Markov Chains, Directed Graphs, and Google
Faculty Mentor: Kristen Stagg, Mathematics
83. **Ricardo Claustro, Beatriz Guerrero, David Saldana, Raju Bista**
Tree-Ring Growth Pattern of Betula Utilis at Treeline Ecotone at Dhorpatan Hunting Reserve, Western Nepal
Faculty Mentor: Parveen Chhetri, Earth Science
84. **Raju Bista**
Treeline Physiognomy in Relation to Species and Physiographic Variability in the Nepal Himalayas
Faculty Mentor: Parveen Chhetri, Earth Science
85. **Jason Williams**
Stereochemical Assignment of Macrocylic Pithecolobine-class Alkaloids from Albizia gummifera
Faculty Mentor: Patrick Still, Chemistry and Biochemistry
86. **Luis Vega, Psychology**
Transmitting Data Using Visible Light Communication LIFI
Faculty Mentor: Luis Vega, Psychology

87. **Jose Garfias, Nadia Hirbawi**
Theoretical Study of 3FC-TZN and its Host-Guest Interaction in the Determination of Stable Electroactive Materials
Faculty Mentor: Kenneth Rodriguez, Chemistry and Biochemistry
88. **Ivy Rea**
Factors Affecting Vegetation Recovery after 2017 Thomas Fire in Ventura County, California
Faculty Mentor: Parveen Chhetri, Earth Science
89. **Omar Santizo, Claire Ladan, Justin Hathaway**
Ascorbic Acid Quantification by Cyclic Voltammetry Using a TeensyStat
Faculty Mentor: Barbara Belmont, Chemistry and Biochemistry
90. **Athena (Matthew) Tran**
Olympic Recurve Analysis for Optimized Stabilization
Faculty Mentor: Jim Hill, Physics
91. **Anahi Hernandez, Aya Yoshimura, David Studway, Reyna Mata**
Approval Voting in Education
Faculty Mentor: Carolyn Yarnall, Mathematics
92. **Orji Ezieme**
Invasive Species are Taking over our Preserves
Faculty Mentor: Parveen Chhetri, Earth Science
93. **Jennifer Trim**
A Framework for Building Partner Capacity to Combat Nuclear Terrorism
Faculty Mentor: Antonia Boadi, Physics
94. **Miriam Weinberg**
The Presence of Methanol in Hot Drinks Created with Aspartame
Faculty Mentor: Barbara Belmont, Chemistry and Biochemistry
95. **Elvis Carrillo**
A Story of California's Seismic Hazards: Studying Historical and Simulated Earthquakes through Geovisualization Platforms
Faculty Mentor: Parveen Chhetri, Earth Science
96. **Michael Franco, Annette Zaragoza, Holly Keedy**
Reclaiming Water on the CSUDH Campus
Faculty Mentor: Parveen Chhetri, Earth Science
97. **Karlee Rivera**
Does Proximity to Fault Line Affect the Property Value in Los Angeles County?
Faculty Mentor: Parveen Chhetri, Earth Science
98. **Claire Ladan, Justin Hathaway, Omar Santizo**
Hacking Electrochemistry: Improving Undergraduate Redox Education using a Student-Built Potentiostat
Faculty Mentor: Barbara Belmont, Chemistry and Biochemistry
99. **Isam Nungaray**
Impact of One-Meter Sea-Level Rise on Huntington Beach, CA
Faculty Mentor: Parveen Chhetri, Earth Science

Thursday, February 13 Presentations

Behavioral and Social Sciences III

UNDERGRADUATE

Morning Session – LSU Ballroom C

- 9:00 – 9:15 a.m. Otilia Marquez**
Social Media Implications
Faculty Mentor: Brant Burkey, Communications
- 9:15 – 9:30 a.m. Violet Quann, Eva Levingston, Jason Hawes**
Effects of General Self-Efficacy on the Stress-Sleep Relationship
Faculty Mentor: Erin Merz, Psychology
- 9:30 – 9:45 a.m. Elijah Arzate**
LGBTQ+ Youth: Parental Health Disparity Mitigation Techniques
Faculty Mentor: Heather Butler, Psychology
- 9:45 – 10:00 a.m. Margott Dela Cruz, Gabrielle Makrdichian, Yadira Ramirez, Ceferino Vinas**
www.fakenews.you: Cognition's Influence on People's Reactions to False Internet Information
Faculty Mentor: L. Mark Carrier, Institutional Effectiveness & Assessment
- 10:00 – 10:15 a.m. Kendell Ortiz**
Can Restorative Justice be used in Prison?
Faculty Mentor: Nancy Erbe, Negotiation, Conflict Resolution & Peacebuilding
- 10:15 – 10:30 a.m. Michelle Ruvalcaba, Anthony Castellaons, Elizabeth Lopez, Jessica Moron, Reyna Lopez, Kelly Park, Nasim Karimi, Denzyl Collins-Berry, Ruben Gomez**
How Traditional Gender Roles Manifests Itself within the Latinx Community
Faculty Mentor: Steven Frieze, Psychology
- 10:30 – 10:45 a.m. Josiah Candelaria, Zijun Feng**
The Novel Hydroxyapatite Crystal Morphology in the Presence of Special Peptide X
Faculty Mentor: Sen Wang, Chemistry and Biochemistry
- 10:45 – 11:00 a.m. Justin Le, Miguel Esquitin, Raul Casillas**
Sentencing Disparity: Analyzing Gender's Effect on Sentencing in cases of Domestic Violence
Faculty Mentor: Zheng Yang, Public Administration
- 11:00 – 11:15 a.m. Alice Noriega Torres**
State Self-Esteem and Academic Performance
Faculty Mentor: Thomas J. Norman, Management & Marketing

Biological and Agricultural Sciences II

UNDERGRADUATE

Morning Session – LSU 328

9:00 – 9:15 a.m. Erik Martinez

Identifying Gene's Essential to E coli. in long Term Stationary Phase

Faculty Mentor: Karin Kram, Biology

9:15 – 9:30 a.m. Ann Lobo

Assessing the Function of Genes Involved in Aromatic Compound Metabolism in –Escherichia coli Survival

Faculty Mentor: Karin Kram, Biology

9:30 – 9:45 a.m. Joshua de Vera

The Evolution of the PRDM9 Gene in Lizards and Snakes

Faculty Mentor: Sonal Singhal, Biology

9:45 – 10:00 a.m. Mayra Padilla Flores, Liz Solis

Hybridization in the Encelia (Asteraceae) Family

Faculty Mentor: Sonal Singhal, Biology

10:00 – 10:15 a.m. Albert Barrios

Insulin Receptor Isoform IRA/IRB Expression in Breast Cancer Cell Lines & Tumors

Faculty Mentor: Douglas Yee, University of Minnesota

10:15 – 10:30 a.m. Nicholas Anaya-Licea

The Organization of the Nervous System in a Hemichordate Species, Saccoglossus kowalevskii

Faculty Mentor: Charlene McCord, Biology

10:30 – 10:45 a.m. Melissa Guardado, Stephanie Perez, Maricruz De La Torre

Studying Cell Membrane Proteins in Zebrafish Skin by Using In Situ Hybridization

Faculty Mentor: Fang Wang, Biology

Creative Arts and Design I

UNDERGRADUATE

Morning Session – LSU 323

9:00 – 9:15 am Michael Reid

Debt Consolidation PSA

Faculty Mentor: George Vinovich, Digital Media Arts

9:15 – 9:30 a.m. Jessie Bustillo, Enrique Lopez

"Toys for Tots"

Faculty Mentor: George Vinovich, Digital Media Arts

9:30 – 9:45 a.m. Trina Vargas, Aileen Pena

Smartphone Addiction

Faculty Mentor: George Vinovich, Digital Media Arts

9:45 – 10:00 a.m. Elexus Gilliam, Maury Garcia

Obesity

Faculty Mentor: George Vinovich, Digital Media Arts

10:00 – 10:15 a.m. Joshua Villarreal, Jonathan Ornelas

Drowsy Driver

Faculty Mentor: George Vinovich, Digital Media Arts

10:15 – 10:45 a.m. Sandra Lopez, Aileen Pena, Jessie Bustillo, Sandra Lopez, Elexus Gilliam

Street Takeover

Faculty Mentor: George Vinovich, Digital Media Arts

10:45 – 11:00 a.m. Kenia Figueroa, Kenia Figueroa, Sandra Lopez

Care to Be Aware - Human Trafficking

Faculty Mentor: George Vinovich, Digital Media Arts

Health, Nutrition, and Clinical Sciences I

UNDERGRADUATE AND GRADUATE

Morning Session – LSU 324-325

- 9:00 – 9:15 a.m. Debbie Kim, Sara Kozakiewicz, Adrien Mangasaryan, Rachel Moore**
The Lived Experience of Sleep among College Students: A Phenomenological Study
Faculty Mentor: Sheryl Ryan, Occupational Therapy
- 9:15 – 9:30 a.m. Colton Graham**
Association between Orthotic & Prosthetic Knowledge and Support of Pro Orthotic & Prosthetic Legislation
Faculty Mentor: Julie Werner, Occupational Therapy
- 9:30 – 9:45 a.m. Lois Jeon, Kelsey Hardeman, Isabella Acosta, Elena Bovetti**
The Experiences of Occupational Therapists When Communicating with Clients with Speech Aphasia
Faculty Mentor: Heather Kitching, Occupational Therapy
- 9:45 – 10:00 a.m. Ciara Nagao, Kelsey Santos, Madison Werchowsky**
Experiences of Occupational Therapists Working with High-Needs, High-Risk Youth
Faculty Mentor: Heather Kitching, Occupational Therapy
- 10:00 – 10:15 a.m. Christina Gaser, Rozaliya Farberov, Kimberly Flores, Becky Hua**
Practitioners' Perceptions of Sensory Needs in School-Based Practice
Faculty Mentor: Sheryl Ryan, Occupational Therapy
- 10:15 – 10:30 a.m. Jonathon Holte**
Cellulitis: Mimic and Antibiotic Stewardship
Faculty Mentor: Lauren Outland, Nursing
- 10:30 – 10:45 a.m. Zionne Kowlessar**
Effect of Lower Extremity Flexibility and Strength on Squat Performance
Faculty Mentor: Gioella Chaparro, Kinesiology and Recreation
- 10:45 – 11:00 a.m. Deborah Han, Sarah Chacon, Kawal Dhaliwal, Jenna Califano**
Community Reintegration of Formerly Incarcerated Individuals
Faculty Mentor: Sheryl Ryan, Occupational Therapy
- 11:00 – 11:15 a.m. Miranda Orosco, Trischa Teodoro, Yolanda Stratman**
The Lived Experience of Parents of Adolescent Cancer Patients
Faculty Mentor: Heather Kitching, Occupational Therapy
- 11:15 – 11:45 a.m. Ashley Mooney**
Success Rates of Cranial Remolding Orthoses in Male vs. Females in Cases of Brachycephaly
Faculty Mentor: Jennifer Lucarevic, Orthotics & Prosthetics

Humanities and Letters II

UNDERGRADUATE

Morning Session – LSU 327

- 9:00 – 9:15 a.m. Jordan Darling**
The Good the Bad and the Insight: Humanizing Villains through Contemporary Storytelling in the Media
Faculty Mentor: Brant Burkey, Communications
- 9:15 – 9:30 a.m. Matthew Hernandez**
"Please Don't Kill Me": Racist Violence in Young Adult Literature
Faculty Mentor: Helen Oesterheld, English
- 9:30 – 9:45 a.m. Monesha Munnerlyn**
Gender Role Strain and Male Violence
Faculty Mentor: Margaret Manning, Negotiation, Conflict Resolution and Peacebuilding
- 9:45 – 10:00 a.m. Juan De Los Santos**
Indigenous Allies of the Spanish: Their Battle for Status after Peace
Faculty Mentor: Doris Namala, History
- 10:00 – 10:15 a.m. Zarema Jimenez**
A Sartrean Phenomenological Ontology of Relationships with Others in the Film Blue Jasmine
Faculty Mentor: Dana S. Belu, Philosophy
- 10:15 – 10:30 a.m. Bryan Cantero**
Mexican (American) Corridista Students: Resisting Educational Oppression through Corridos
Faculty Mentor: Corina Benavides Lopez, Chicana/Chicano Studies
- 10:30 – 10:45 a.m. Italie Torres**
De-Institutionalizing Racism: An Exploration of the Afro-Cuban Experience, 1950s-60s
Faculty Mentor: Laura Talamante, History
- 10:45 – 11:00 a.m. Dante Garcia**
Critica Honesta: Analyzing the Rhetoric of the East LA Walkouts
Faculty Mentor: Ana Elizabeth Rosas, Chicano/Latino Studies, UCI
- 11:00 – 11:15 a.m. Porscha Singh**
"Oh No You Didn't!": Understanding Sapphirehood and Unpacking Media Essentializing of the Angry Black Woman Trope in Television
Faculty Mentor: Ryan Bowles Eagle, Communications
- 11:15 – 11:30 a.m. Anthony Amaral**
The Negative Consequences of Incarceration on Families and Children
Faculty Mentor: Jose Prado, Sociology

Physical and Mathematical Sciences I

UNDERGRADUATE AND GRADUATE

Morning Session – LSU 326

9:00 – 9:15 a.m. Daniel Apt

Modeling Range Shift of Endemic and Vulnerable Pseudotsuga Macrocarpa (Bigcone douglas fir) in California Under Climate Change

Faculty Mentor: Parveen Chhetri, Earth Science

9:15 – 9:30 a.m. Michelle Mohr, David Saldana, Gabriel Angulo

Is Basal Area Increment (BAI) More Useful than the Ring Width Index (RWI) to Study Severe Drought Events?

Faculty Mentor: Parveen Chhetri, Earth Science

9:30 – 9:45 a.m. Edgar Venegas

Improving the Predictions of Cardiac Resynchronization Therapy Responses by the Utilization of Machine Learning Methods

Faculty Mentor: Yi Wang, Mathematics

9:45 – 10:00 a.m. Raju Bista

Influence of Climate on Radial Growth of Betula utilis and Abies spectabilis in the Subalpine Forest of Dhorpatan area in the Nepal Himalayas

Faculty Mentor: Parveen Chhetri, Earth Science

10:00 – 10:15 a.m. Omar Santizo, Claire Ladan, Justin Hathaway

Hacking Electrochemistry: Improving Undergraduate Chemistry Education Analyzing Biochemical Redox Analytes using a Student-built Potentiostat

Faculty Mentor: Barbara Belmont, Chemistry and Biochemistry

10:15 – 10:30 a.m. Allison Pary, Scarlett Zamora

Waste Audits at CSUDH

Faculty Mentor: Cheyenne Cummings, Earth Science

10:30 – 10:45 a.m. Stephanie Gaston

An Average of Generalized Dedekind Sums

Faculty Mentor: Matthew Young, Mathematics, Texas A&M University

10:45 – 11:00 a.m. David Saldana, Michelle Mohr, Gabriel Angulo

The Relationship Between Jeffrey Pine Growth and Climate in Cascade Lake Watershed

Faculty Mentor: Praveen Chhetri, Earth Science

Roundtable Discussions II

UNDERGRADUATE

Morning Session – LSU 320

- 9:00 – 9:15 a.m. Alma Maldonado**
Technologist Perceived Patient Satisfaction in Mammography
Faculty Mentor: Elwin Tilson, Health Science
- 9:15 – 9:30 a.m. Edward Karacozian**
Defining Professionalism in Radiography
Faculty Mentor: Elwin Tilson, Health Science
- 9:30 – 9:45 a.m. Sarah Smith, Taylor Francis**
What Defines Family Health
Faculty Mentor: Enrique Ortega, Health Science
- 9:45 – 10:00 a.m. Taylor Francis, Sarah Smith**
What is the Appropriate Solution to Stop the Practice of Female Genital Mutilation in Somalia?
Faculty Mentor: Archana Sharma, Health Science
- 10:00 – 10:15 a.m. Amal Alalim**
Arab Americans are Missed Out at CSUDH
Faculty Mentor: Hamoud Salhi, International Education
- 10:15 – 10:30 a.m. Raquel Serrano**
All Social, No Justice? A Feminist Critical Analysis of the Performativity of Social Justice on Social Media
Faculty Mentor: Jennifer Brandt, Women Studies
- 10:30 – 10:45 a.m. Joseline Gonzalez**
Forgive Me, Father: Progressive Women in Latinx Literature
Faculty Mentor: Roderick Hernandez, English
- 10:45 – 11:00 a.m. Herman Armstrong**
Silicon Valley: The Driving Force Behind the Programming of Intelligence
Faculty Mentor: Meghna Singhvi, Accounting & Law

Student Research Day Lunch

Thursday, February 13, 2020

Ballroom C: 12:00 – 1:20 p.m.

PROGRAM

Welcome

Dr. John W. Price

Interim Dean, Graduate Studies and Research

Opening Remarks

Dr. Michael E. Spagna

Provost

Keynote Speech

Mario Ybarra, Jr.

Conceptual Artist

Co-founder, Slanguage

Closing Remarks

Dr. Terry McGlynn

Director of Undergraduate Research

Professor of Biology



Mario Ybarra Jr. is a Mexican-American conceptual artist born and raised in Los Angeles. His artwork operates as examinations of excluded social norms, often examining complete environments, histories, and narratives. He received an MFA from the University of California, Irvine and a BFA from Otis College of Art and Design. He has been featured in many local, national, and international exhibitions/fairs including the 2008 Whitney Biennial, the Tate Museum in London, the Orange County Museum of Art, Museum of Contemporary Art San Diego, MOCA Los Angeles, MOCA Detroit, the ICA Boston, Museo De Cervantez Spain, ARCO Fair 2011 and 2013, LACMA, the Art Institute of Chicago, among others. In 2002, in partnership with his wife Karla Diaz, he co-founded Slanguage (an artist-run space/collective in Los Angeles that hosted art exhibitions, residencies, and programming for youth and adults). He has been featured as a speaker in many national and international venues including most notably at the Creative Summit in New York and Art Pace San Antonio.

Behavioral and Social Sciences IV

UNDERGRADUATE

Afternoon Session – LSU 327

- 2:00 – 2:15 p.m. Jeremy Quinonez**
Patrice Lumumba, Congo Decolonization and Cold War Politics from 1940-1961: The Most Important Assassination of the 20th Century
Faculty Mentor: Bianca Murillo, History
- 2:15 – 2:30 p.m. Andrew Namkoong**
Alcohol-use Consequences among Mediterranean Youth
Faculty Mentor: Enrique Ortega, Health Science
- 2:30 – 2:45 p.m. Saray Valenzuela Jaime**
A Mindful Approach to Improving Work Performance among College Students
Faculty Mentor: Kevin Montes, Psychology
- 2:45 – 3:00 p.m. George Mendoza**
Bored Students are S.A.D. (Stressed, Anxious and Depressed)
Faculty Mentor: Larry Rosen, Psychology
- 3:00 – 3:15 p.m. Bonnie Perez**
The Influence of Cultural Differences in Attention: A Study on Preschool Children Books
Faculty Mentor: Megumi Kuwabara, Child Development
- 3:15 – 3:30 p.m. Peter Fuqua**
Technology and the Third Culture: How Access to Communication Affects Re-Entry
Faculty Mentor: Sarah Taylor, Anthropology
- 3:30 – 3:45 p.m. Elyse Mallonee**
An Ethnographic Study of the Irish Community of Los Angeles County
Faculty Mentor: Sarah Taylor, Anthropology
- 3:45 – 4:00 p.m. Evelin Caballero**
Sexual Satisfaction Differences: Men versus Women
Faculty Mentor: Sonja Ulrich, Political Science

Creative Arts and Design II

UNDERGRADUATE

Afternoon Session – LSU 323

2:00 – 2:15 p.m. Isai De Los Angeles

Art and Social Inclination

Faculty Mentor: Devon Tsuno, Art

2:15 – 2:30 p.m. Jeannette Garcia

"No White Walls Needed"

Faculty Mentor: Devon Tsuno, Art

2:30 – 2:45 p.m. Brianna Correa

Curvaceous Beauty

Faculty Mentor: Greg Mocilnikar, Art and Design

2:45 – 3:00 p.m. Jose Espinoza

Illustrating Historical Truth through Visual Research

Faculty Mentor: Devon Tsuno, Art

3:00 – 3:15 p.m. Deema Aljibeh

Clay, Colonialism, and the Nike Cortez

Faculty Mentor: Devon Tsuno, Art

3:15 – 3:30 p.m. Vanessa Renovales

Takato Yamamoto: Heisei Estheticism and Revival

Faculty Mentor: Kirstin Ellsworth, Art and Design

Engineering and Computer Science

GRADUATE

Afternoon Session – LSU 320

- 2:00 – 2:15 p.m. Aishwarya Murkute, Aditya Lalchandani**
Parking Lot Detecting
Faculty Mentor: Bhrigu Celly, Computer Science
- 2:15 – 2:30 p.m. Jaspreet Singh**
Jaspreet Redundancy Check
Faculty Mentor: Bin Tang, Computer Science
- 2:30 – 2:45 p.m. Lauren Stimson, Susmita Patange**
Adaptive Virtual Machine Replication in Cloud Data Centers
Faculty Mentor: Bin Tang, Computer Science
- 2:45 – 3:00 p.m. Jaspreet Singh, Angel Jimenez**
Cost-Efficient Virtual Machine Migration in Heterogeneous Cloud Data Centers
Faculty Mentor: Bin Tang, Computer Science
- 3:00 – 3:15 p.m. Ashwini Kumar Singh**
Text Extraction using Information Extraction Algorithm for Academic Articles
Faculty Mentor: Jianchao Han, Computer Science

Health, Nutrition, and Clinical Sciences II

UNDERGRADUATE AND GRADUATE

Afternoon Session – LSU 324-325

- 2:00 – 2:15 p.m. Dorian Montero**
Effects of Bang on Exercise
Faculty Mentor: Gioella Chaparro, Kinesiology and Recreation
- 2:15 – 2:30 p.m. Kyle Roberts, Larissa Santana De Araujo**
How Reforms in the Healthcare System of Cabo Verde since Independence in 1975 have Improved the Nation's Overall Health Despite Financial and Geographical Limitations
Faculty Mentor: Payman Nasr, Clinical Science
- 2:30 – 2:45 p.m. Lluvia Valdez-Ramirez**
Physical and Mental Health in the Classroom
Faculty Mentor: Ruby Meneses, Kinesiology and Recreation
- 2:45 – 3:00 p.m. Scott Klein, Danielle Luce, Monique Kleinhans, Kacie Marczuk**
Discovering the Lived Experience of Stroke Survivors in a Community Center Program
Faculty Mentor: Sheryl Ryan, Occupational Therapy
- 3:00 – 3:15 p.m. Angela Ahn, Kendra Coddling, Courtney Jarvis**
Impact of Anxiety on Occupational Participation of Young Adults with Autism Spectrum Disorder
Faculty Mentor: Heather Kitching, Occupational Therapy
- 3:15 – 3:30 p.m. Brianna Heath**
Measuring Proprioception Changes in Transtibial Amputees
Faculty Mentor: Jennifer Lucarevic, Orthotics & Prosthetics
- 3:30 – 3:45 p.m. Amy Verneti, Hilary Vedder, Kathy Nguyen, Jasmine Okamoto**
Through the Lens of Veterans with Symptoms of Post-Traumatic Stress Disorder (PTSD): The Impact on Perceived Quality of Life
Faculty Mentor: Heather Kitching, Occupational Therapy
- 3:45 – 4:00 p.m. Katelyn Kahle**
Comparison of Professional Burnout between Prosthetics, Orthotics, Physical Therapy and Occupational Therapy
Faculty Mentor: Jennifer Lucarevic, Orthotics & Prosthetics
- 4:00 – 4:15 p.m. Lindsey Kline**
Differences in Quality of Life in Standard versus Ertl Amputation Procedures
Faculty Mentor: Julie Werner, Occupational Therapy
- 4:15 – 4:30 p.m. Adrian Navarro, Vanessa Ortiz, Lorie Park, Kimberly Vu**
The Lived Experience of Significant Others of Women with Fibromyalgia
Faculty Mentor: Heather Kitching, Occupational Therapy

Health, Nutrition, and Clinical Sciences III

UNDERGRADUATE AND GRADUATE

Afternoon Session – LSU Ballroom C

- 2:00 – 2:15 p.m. David Rand**
Applications of the Clinical Laboratory in the Diagnosis of Compound Heterozygosity of Sickle Cell Hemoglobin and β -Thalassemia
Faculty Mentor: Payman Nasr, Clinical Science
- 2:15 – 2:30 p.m. Yola Lin, Patricia Ling, Megan Lee, Rianna Machida**
Teacher Perceptions of Occupational Therapy Services for Children with ADHD
Faculty Mentor: Sheryl Ryan, Occupational Therapy
- 2:30 – 2:45 p.m. Ashlyn Coen, Grace Arce, McKenna Heisen, Kady Dunn**
Exploring the Lived Experience of Family Caregivers of Individuals with Dementia
Faculty Mentor: Heather Kitching, Occupational Therapy
- 2:45 – 3:00 p.m. Gabriella Nieves, Elisabeth Popoviciu, Margaret Norton, Amber Stober**
Understanding Parental Daily Routines Post Neonatal Intensive Care Unit (NICU) Discharge: A Multiple Case Study
Faculty Mentor: Heather Kitching, Occupational Therapy
- 3:00 – 3:15 p.m. Dana Green**
Correlation Between the Time After Limb Loss and Body Image Acceptance
Faculty Mentor: Jennifer Lucarevic, Orthotics & Prosthetics
- 3:15 – 3:30 p.m. Nicole Khuon, Madeline Lovern, Megan Johnson**
The Effects of Support Animals on the Daily Routines of Veterans
Faculty Mentor: Sheryl Ryan, Occupational Therapy
- 3:30 – 3:45 p.m. Katrina Champion**
Patient Reported Outcomes for Custom Versus Prefabricated Functional Foot Orthotics
Faculty Mentor: Jennifer Lucarevic, Orthotics & Prosthetics
- 3:45 – 4:00 p.m. Danielle Robins**
Cannabis vs Opioids for the Reduction of Phantom-Limb Pain
Faculty Mentor: Jennifer Lucarevic, Orthotics & Prosthetics
- 4:00 – 4:15 p.m. Elvy Fuentes, Josiah Gibson, Rebecca Hawkinson Gonzalez, Thelma Iwuchukwu**
The Experience of Participants in a Community-Based Arts Center
Faculty Mentor: Sheryl Ryan, Occupational Therapy
- 4:15 – 4:30 p.m. Monique Sanchez, Micaella Salunga, Jocelinne Torres-Lizarde, Michelle J. Wong**
The Lived Experiences of Survivors of SCI after a Separation
Faculty Mentor: Heather Kitching, Occupational Therapy

Humanities and Letters III

UNDERGRADUATE

Afternoon Session – LSU 326

2:00 – 2:15 p.m. Lizbeth Zúñiga

Jotería Resistance: Dismantling Diet Culture in the U.S Con Bocados (Mouthfuls)

Faculty Mentor: Corina Benavides Lopez, Chicana/Chicano Studies

2:15 – 2:30 p.m. Jasmine Abang

Malintzin: The Buried Voice of the Spanish Conquest

Faculty Mentor: Doris Namala, History

2:30 – 2:45 p.m. Makonnen Tendaji

Poetry, Power, and Pistols: Analyzing the Cultural Consumption of Black Male Trauma Expressed in Hip-Hop

Faculty Mentor: Donna Nicol, African Studies

2:45 – 3:00 p.m. Delaney Johnsen

The Role of the Mother in 20th-Century Feminist Utopia

Faculty Mentor: Helen Oosterheld, English

3:00 – 3:15 p.m. Karla Benitez

The Continuing Oppression of Women in Hollywood

Faculty Mentor: Jennifer Brandt, Women Studies

3:15 – 3:30 p.m. Claudia Rodriguez

The Complexities of Children's Literature as Presented in J.K. Rowling's Harry Potter Series

Faculty Mentor: Jane Lee, Education

3:30 – 3:45 p.m. Mikey Vibal

Vernacular as a Vixen

Faculty Mentor: Kirstin Ellsworth, Art and Design

3:45 – 4:00 pm. Roberto Ortega

Empowerment Through Ancestral Roots

Faculty Mentor: Marisela Chavez, Chicana/Chicano Studies

4:00 – 4:15 p.m. Bryan Castro

The Importance of Historical Record for the Future Well-being of a Disadvantaged Community

Faculty Mentor: Margaret Manning, Negotiation, Conflict Resolution and Peacebuilding

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