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,

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**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>5:30 – 6:00 p.m.</td>
<td>Registration</td>
</tr>
<tr>
<td>6:00 – 9:00 p.m.</td>
<td>Evening Sessions</td>
</tr>
</tbody>
</table>

### Thursday – February 13, 2020

**Loker Student Union**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>8:30 – 9:00 a.m.</td>
<td>Registration</td>
</tr>
<tr>
<td>9:00 – 11:50 a.m.</td>
<td>Morning Sessions</td>
</tr>
</tbody>
</table>

**LSU Ballroom C**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00 – 12:05 p.m.</td>
<td>Welcome</td>
</tr>
<tr>
<td></td>
<td>Dr. John W. Price</td>
</tr>
<tr>
<td></td>
<td>Interim Dean, Graduate Studies and Research</td>
</tr>
<tr>
<td>12:05 – 12:10 p.m.</td>
<td>Opening Remarks</td>
</tr>
<tr>
<td></td>
<td>Dr. Michael E. Spagna, Provost</td>
</tr>
<tr>
<td></td>
<td>Academic Affairs</td>
</tr>
<tr>
<td>12:10 – 12:50 p.m.</td>
<td>Keynote Speaker</td>
</tr>
<tr>
<td></td>
<td>Mario Ybarra Jr., Conceptual Artist</td>
</tr>
<tr>
<td>12:50 – 12:52 p.m.</td>
<td>Closing Remarks</td>
</tr>
<tr>
<td></td>
<td>Dr. Terry McGlynn</td>
</tr>
<tr>
<td></td>
<td>Director, Undergraduate Research</td>
</tr>
<tr>
<td>12:50 – 1:20 p.m.</td>
<td>Lunch</td>
</tr>
</tbody>
</table>

**Loker Student Union**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00 – 4:30 p.m.</td>
<td>Afternoon Sessions</td>
</tr>
</tbody>
</table>

**Library South, Fifth Floor**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00 – 8:00 p.m.</td>
<td>Reception and Award Ceremony</td>
</tr>
<tr>
<td></td>
<td>Announcement of First and Second Place Session Winners</td>
</tr>
</tbody>
</table>
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          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, Bhargi 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 Vieria, 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

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

## Organizing Committee

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

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

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<tr>
<th>Session</th>
<th>Location</th>
<th>Time</th>
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<tbody>
<tr>
<td>Behavioral and Social Sciences I</td>
<td>LSU 324-325</td>
<td>6:00 – 9:15 p.m.</td>
</tr>
<tr>
<td>Behavioral and Social Sciences II</td>
<td>Ballroom C</td>
<td>6:00 – 8:45 p.m.</td>
</tr>
<tr>
<td>Biological and Agricultural Sciences I</td>
<td>LSU 328</td>
<td>6:00 – 7:30 p.m.</td>
</tr>
<tr>
<td>Business, Economics, and Public Administration</td>
<td>LSU 327</td>
<td>6:00 – 8:30 p.m.</td>
</tr>
<tr>
<td>Education</td>
<td>LSU 326</td>
<td>6:00 – 7:30 p.m.</td>
</tr>
<tr>
<td>Humanities and Letters I</td>
<td>LSU 323</td>
<td>6:00 – 7:15 p.m.</td>
</tr>
<tr>
<td>Roundtable I</td>
<td>LSU 320</td>
<td>6:00 – 8:00 p.m.</td>
</tr>
<tr>
<td>Poster Session</td>
<td>Ballroom A-B</td>
<td>6:00 – 9:00 p.m.</td>
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### February 13, 2020
#### Thursday Morning Session

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<tr>
<th>Session</th>
<th>Location</th>
<th>Time</th>
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<tbody>
<tr>
<td>Behavioral and Social Sciences III</td>
<td>Ballroom C</td>
<td>9:00 – 11:15 a.m.</td>
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<tr>
<td>Biological and Agricultural Sciences II</td>
<td>LSU 328</td>
<td>9:00 – 10:45 a.m.</td>
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<tr>
<td>Creative Arts and Design I</td>
<td>LSU 323</td>
<td>9:00 – 11:00 a.m.</td>
</tr>
<tr>
<td>Health, Nutrition, and Clinical Sciences I</td>
<td>LSU 324-325</td>
<td>9:00 – 11:45 a.m.</td>
</tr>
<tr>
<td>Humanities and Letters II</td>
<td>LSU 327</td>
<td>9:00 – 11:30 a.m.</td>
</tr>
<tr>
<td>Physical and Mathematical Sciences I</td>
<td>LSU 326</td>
<td>9:00 – 11:00 a.m.</td>
</tr>
<tr>
<td>Roundtable II</td>
<td>LSU 320</td>
<td>9:00 – 11:00 a.m.</td>
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### February 13, 2020
#### Thursday Afternoon Session

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<tr>
<th>Session</th>
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<tr>
<td>Behavioral and Social Sciences IV</td>
<td>LSU 327</td>
<td>2:00 – 4:00 p.m.</td>
</tr>
<tr>
<td>Creative Arts and Design II</td>
<td>LSU 323</td>
<td>2:00 – 3:30 p.m.</td>
</tr>
<tr>
<td>Engineering and Computer Sciences</td>
<td>LSU 320</td>
<td>2:00 – 3:15 p.m.</td>
</tr>
<tr>
<td>Health, Nutrition, and Clinical Sciences II</td>
<td>LSU 324-325</td>
<td>2:00 – 4:30 p.m.</td>
</tr>
<tr>
<td>Health, Nutrition, and Clinical Sciences III</td>
<td>Ballroom C</td>
<td>2:00 – 4:30 p.m.</td>
</tr>
<tr>
<td>Humanities and Letters III</td>
<td>LSU 326</td>
<td>2:00 – 4:15 p.m.</td>
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</table>
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 Craw, 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
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 Espaņ̃ol”, 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 Ezime
*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 ΔFosB?
    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 Totakail**  
   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 ΔfosB 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 durico 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!*  
 Faulty 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 Collette, 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 & Prosthetics

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

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**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**  
*Tree-line Physiognomy in Relation to Species and Physiographic Variability in the Nepal Himalayas*  
Faculty Mentor: Parveen Chhetri, Earth Science

85. **Jason Williams**  
*Stereochemical Assignment of Macroyclic 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

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter(s)</th>
<th>Title/Description</th>
<th>Faculty Mentor</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 – 9:15 am</td>
<td>Michael Reid</td>
<td>Debt Consolidation PSA</td>
<td>George Vinovich, Digital Media Arts</td>
</tr>
<tr>
<td>9:15 – 9:30 a.m.</td>
<td>Jessie Bustillo, Enrique Lopez</td>
<td>&quot;Toys for Tots&quot;</td>
<td>George Vinovich, Digital Media Arts</td>
</tr>
<tr>
<td>9:30 – 9:45 a.m.</td>
<td>Trina Vargas, Aileen Pena</td>
<td>Smartphone Addiction</td>
<td>George Vinovich, Digital Media Arts</td>
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<tr>
<td>9:45 – 10:00 a.m.</td>
<td>Elexus Gilliam, Maury Garcia</td>
<td>Obesity</td>
<td>George Vinovich, Digital Media Arts</td>
</tr>
<tr>
<td>10:00 – 10:15 a.m.</td>
<td>Joshua Villarreal, Jonathan Ornelas</td>
<td>Drowsy Driver</td>
<td>George Vinovich, Digital Media Arts</td>
</tr>
<tr>
<td>10:15 – 10:45 a.m.</td>
<td>Sandra Lopez, Aileen Pena, Jessie Bustillo, Sandra Lopez, Elexus Gilliam</td>
<td>Street Takeover</td>
<td>George Vinovich, Digital Media Arts</td>
</tr>
<tr>
<td>10:45 – 11:00 a.m.</td>
<td>Kenia Figueroa, Kenia Figueroa, Sandra Lopez</td>
<td>Care to Be Aware - Human Trafficking</td>
<td>George Vinovich, Digital Media Arts</td>
</tr>
</tbody>
</table>
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 Burke, 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 Homena: 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 Sapphirenness 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 Codding, 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 Vernetti, 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 Oesterheld, 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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