CALIFORNIA STATE UNIVERSITY, DOMINGUEZ HILLS

Thirteenth Annual Student Research Day

February 14-15, 2018
Greetings from President Hagan

Welcome to the Thirteenth Annual Student Research Day at CSU Dominguez Hills. This event has become an institution here, showcasing students from across the university and all walks of life, highlighting their scholarship and research in a vast array of disciplines.

Today is the culmination of hours upon hours of hard work, all leading to the results and findings being shown here. From their initial inquiries to their final presentations, students learn a great deal about their subjects and a great deal about themselves. In particular, they learn the value of having a plan and a process to reach the understanding and answers they’re seeking. Along the way, they discover the important values of patience and persistence in the successful completion of that plan.

Great researchers are not born; they are made. Therefore, I want to thank all of the faculty mentors, staff, judges and fellow students who have guided and encouraged our student researchers on their important journeys. Your input and feedback have allowed them to shine.

I also encourage everyone — whether you’re a presenter or a supporter — to try to visit as many of the presentations as possible. What you will find by doing so is the impressive amount of imagination, discovery, and creativity taking place here at CSU Dominguez Hills. Our university is composed of diverse, multi-talented, multi-faceted, highly engaged students, ready to share their latest discoveries with the world. And today’s amazing, high-impact student research showcase offers ample evidence of that!

Sincerely,

Willie J. Hagan, Ph.D.
President
Welcome

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

Welcome to the Thirteenth Annual Student Research Day at California State University, Dominguez Hills!

For several years, Student Research Day has been the flagship research event on the CSUDH campus. This year we received 318 submissions from across the campus. Nearly every department at CSUDH is represented, showing the broad diversity of research, scholarship, and creative activity we have come to enjoy.

One of the main functions of a university is research, and CSUDH students are at the forefront of that work. Whether it is about the natural sciences, the social sciences, the arts and humanities, or any of the many and varied topics that will be discussed today, student researchers at CSUDH define the future by seeking out new knowledge, new ways of looking at the world around us.

The results of all the effort by CSUDH students are not limited to their time on our campus. Through the close relationships they develop with their faculty mentors, students develop skills they will carry with them far beyond CSUDH. Learning how to attack a new problem, or sometimes just learning not to shy away from new situations such as speaking publicly about the work one has done are skills that will make the participants of Student Research Day highly sought after by potential employers and graduate schools.

Today’s event is not the end result of all the work done by our students. It is merely the end of the first chapter of the books they will write throughout the course of their lives. Student Research Day is a time to celebrate the results that have been obtained in the laboratory, the wisdom that was gained by bringing new ideas to old problems, by creating a work of art that will live forever. It is a time when the student, who has been the person studying a particular problem night and day for weeks on end, becomes the teacher, and lets us all know what they have learned.

Student Research Day is, of course, about the work done by students. However, the faculty mentor plays an important role that must not be forgotten. Upon entering the university, the student does not yet possess the tools to pursue research, to create something new. Often, even the selection of a research topic is beyond their ability. The faculty mentor’s job is twofold. The first part of the job is to educate the student about how to go about research, scholarship, or creative activity. However, that alone is insufficient. The second, and more important job of the faculty mentor is to inspire the student to pursue research — to make it interesting enough that the student will continue the effort long after the class is over, or after the paper is turned in. In this way, faculty pass along their enthusiasm for research, scholarship, and creative activity to the next generation of researchers.

This year, we have received financial support for Student Research Day from Shell, for which we are especially grateful. We have also received water from Boxed Water, whom we would also like to thank. For their support in planning and executing this event, I would like to thank President Willie J. Hagan, Provost Michael Spagna, Dean Dorota Huizinga, Xhercis Méndez, the Office of Graduate Studies and Research, University Ceremonies and Events, the Office of Development, University Communications and Public Affairs, Loker Student Union, the faculty mentors, judges, and session chairs, the student volunteers, and my fellow members of the Planning Committee. I am proud to have worked with all of you these last several months in the planning of this event.

Sincerely,

John Price, Ph.D.
Professor of Physics
Student Research Day Committee Chair
Conference Schedule

Wednesday – February 14, 2018

Loker Student Union

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

Thursday – February 15, 2018

Loker Student Union

8:30–9:00 a.m. Registration
9:00 a.m.–12:10 p.m. Morning Sessions

LSU Ballroom C

12:15–12:45 p.m. Lunch
12:45–12:50 p.m. Welcome and Announcements
Dr. John Price, Chair, Student Research Day Organizing Committee
12:50–1:00 p.m. Opening Remarks
Dr. Ken O’Donnell, Interim Vice Provost, Academic Affairs
1:00–1:30 p.m. Keynote Speech
Dr. Xhercis Méndez, Assistant Professor in Philosophy, African American Studies and African Studies, Michigan State University

Loker Student Union

2:00–5:00 p.m. Afternoon Sessions

Library South, Fifth Floor

5:00–7:00 p.m. Reception and Award Ceremony
Announcement of First and Second Place Session Winners
# Faculty Mentors

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<td><strong>Anthropology</strong></td>
<td>Nancy Armstrong, Jerry Moore, Susan Needham, Sarah Taylor</td>
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<td><strong>Art and Design</strong></td>
<td>Kirstin Ellsworth, Devon Tsuno</td>
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<td><strong>Asian Pacific Studies</strong></td>
<td>Mary Lacanlale</td>
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<td><strong>Biology</strong></td>
<td>Adriane Jones, Karin Kram, Kathryn Theiss, Fang Wang</td>
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<td><strong>Chemistry</strong></td>
<td>Barbara Belmont, Patrick Still, Sen Wang, Arumugam Thangavel, Kenneth Rodriguez, Kevin Walker (MSU), Tieli Wang</td>
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<td><strong>Chicana/Chicano Studies</strong></td>
<td>Corina Benavides-Lopez, Mario Obando</td>
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<td><strong>Clinical Science</strong></td>
<td>Cheryl Jackson-Harris</td>
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<td><strong>Communications</strong></td>
<td>Linda Dam</td>
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<td><strong>Digital Media Arts</strong></td>
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<td><strong>Earth Science and Geography</strong></td>
<td>Parveen Chhetri</td>
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<td><strong>Education</strong></td>
<td>Edward Curammeng</td>
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<td><strong>Endocrinology</strong></td>
<td>Shehla Pervin (Charles Drew University)</td>
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<td><strong>English</strong></td>
<td>Roderick Hernandez, Kimberly Huth, Jane Lee, Helen Oesterheld, Vanessa Wenzell</td>
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<td><strong>Environmental Studies</strong></td>
<td>Jenney Hall</td>
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<td><strong>Health Science</strong></td>
<td>Archana Sharma, Enrique Ortega</td>
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<td>Andrea Johnson, Christopher Monty, Doris Namala</td>
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<td><strong>Human Services</strong></td>
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<td><strong>Humanities</strong></td>
<td>Patricia Gamon</td>
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<td><strong>Immunology</strong></td>
<td>Lin Lin (LABioMed)</td>
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<td><strong>Information Systems and Operations Management</strong></td>
<td>Nancy Deng, Jian-yu Ke, Myron Sheu</td>
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<td><strong>Liberal Studies</strong></td>
<td>Jen Stacy</td>
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<td><strong>Management</strong></td>
<td>Thomas Norman, Gary Polk</td>
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<td><strong>Marketing</strong></td>
<td>Bing Xu</td>
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<td>Serban Raianu, Alex Stanoyevitch Wai Yan Pong</td>
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<td><strong>Negotiation, Conflict Resolution and Peacebuilding</strong></td>
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<td><strong>Orthotics and Prosthetics</strong></td>
<td>Julie Werner</td>
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<td>Fawzia Bardag-Gorce (LABioMed), Madhuri Wadehra (UCLA)</td>
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<td>Michelina Iacovino (Harbor-UCLA Pediatrics)</td>
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<td>Giacomo Bono, Heather Butler, Mark Carrier, Kevin Dooley, Steven Frieze, Erin Merz, Larry Rosen, Silvia Santos, Carl Sneed, Karen Wilson</td>
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<td><strong>Public Administration</strong></td>
<td>Hugo Asencio, Fynnwin Prager</td>
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<td><strong>Social Work</strong></td>
<td>Maria Avila, Susan Einbinder</td>
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<td><strong>Sociology</strong></td>
<td>Maria Isabel Ayala, Kelin Li, Matthew Mutchler, Joanna Perez, Katy Pinto</td>
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<td><strong>Special Education</strong></td>
<td>Saiili Kulkarni</td>
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<td><strong>University Advisement Center</strong></td>
<td>Bridget Driscoll</td>
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Judges

Adriana Aldana | Laura Drake | Phil LaPolt | Hakjoon Song
Amy Allen | Claudio Egalon | Hernani L. Ledesma Jr. | Jen Stacy
Rita Anderson | Susan Einbinder | Kelin Li | Kristen Stagg
Lizette “Lucha” Arevalo | Kate Esposito | Wei Ma | Ingrid Stagg
Roya Azizi | Kate Fawver | Jody Mahler | Melissa St. James
Eddie Banuelos-Casillas | Yesenia Fernandez | Abdi Majlessi | Jenn Sumner
Moshen Beheshti | Terri Fleming-Dright | Brandy McLelland | Bin Tang
Ori Berezan | Paul Fornelli | Brendan McNulty | Kimmie Tang
Gurmohan Bevli | Kitty Fortner | Carson Melblom-Nishioka | Thomas Taylor
Antonia Boadi | Carolyn Caffrey Gardner | John Menary | Arumugam Thangavel
Brenda Bran | Mike Grimshaw | Erin Merz | Kathryn Theiss
Kaitlyn Breiner | Tara Hardee | Mary-Michelle Moore | Devon Tsuno
Didra Brown | Camille Henderson | Matt Mutchler | Tara Victor
Meka Brown | Yan-hua Huang | Subasri Narasimhan | Philip Vieira
Michele Bury | Kimberly Huth | Payman Nasr | Fang Wang
Heather Butler | Eric Hwang | Hannah Nguyen | Sen Wang
Theodore Byrne | Catherine Jacobs | Ken O’Donnell | Tieli Wang
Bhrigu Celly | Erika Johnson | Helen Oesterheld | Vanessa Wenzell
Kirti Sawhney Celly | Jonathan Johnson | Jung-Sun Park | Greg Williams
Nancy Cheever | Andrew Kalaidjian | Sheela Pawar | Melissa Williams
Parveen Chhetri | Jian-yu (Fisher) Ke | Joanna Perez | Karen Wilson
Natasa Christodoulidou | Chandra Khan | Tom Philo | Cheryl Wolcott
Helen Chun | Wafa Khasawneh | Katy Pinto | Xia Wu (Shell)
Cheyenne Cummings | Heather Kitching | Gary Polk | Zheng Yang
Edward Curammeng | Brian Komlos (Shell) | Devaleena Pradhan | Carolyn Yarnall
Linda Dam | Karin Kram | Fynn Prager | Elli Zenhari
Kelly Dawdy | Pamela Krocko | Dean Ramser | Kathy Zimmerer
Nancy Deng | Salli Kulkarni | Nop Ratanasiripong | Xia Zhao
Begona De Velasco | Darrah Kuratani | Howard Rosenthal | Liudong Zuo
Prakash Dheeriyaa | Megumi Kuwabara | Ann Selmi | Anthony Joseph Diaz
Anthony Joseph Diaz | Sarah Lacy | Gurpreet Singh | Lauri Dickmeyer
Lauri Dickmeyer

Organizing Committee

John Price (Chair) | Kirti Celly | Saili Kulkarni | Paz Oliverez
Dorota Huizinga (ex Officio) | Nancy Deng | Michelle Martínez | Candace Teran
Judith Aguirre | Gillian Fischer | Terry McGlynn | Devon Tsuno
Bacilisa Baltazar | Anna Liza Garcia | Claudia Peyton | Jasmina Zuljevic
Amy Bentley-Smith | Craig Geber

Supplemental Material Reviewers

Claudia Peyton | John Price | Candace Teran
### Directory of Presentations

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

**Evening Session: 6:00 pm – 8:50 pm**

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<td>6:00–6:20 pm</td>
<td>Jacqueline Hernandez, Bridget Hidalgo, Stephany Ortiz, Psychology</td>
<td>Ethnicity, Family History, and Type 2 Diabetes Knowledge</td>
<td>Erin Merz, Psychology</td>
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<td>6:40–7:00 pm</td>
<td>Andrew Luu, Psychology</td>
<td>The Impact of Reading Source on Retention of Factual Material and Abstract Concepts</td>
<td>Larry Rosen, Psychology</td>
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<td>7:00–7:20 pm</td>
<td>Aurelio Reyes Esparza, Sociology</td>
<td>The hidden Epidemic: HIV in the community</td>
<td>Kelin Li, Sociology</td>
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<td>7:20–7:30 pm</td>
<td>COFFEE BREAK</td>
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<td>7:30–7:50 pm</td>
<td>Andrew Luu, Psychology</td>
<td>Life History Theory on Gratification, Education, and Socioeconomic Status</td>
<td>Kevin Dooley, Psychology</td>
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<td>7:50–8:10 pm</td>
<td>Raymundo Cervantes, Psychology</td>
<td>Personality, Social, and Emotional Factors Predicting Anxiety and Depression in Adolescents</td>
<td>Giacomo Bono, Psychology</td>
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<td>8:10–8:30 pm</td>
<td>Hawk McFadzen, Sociology</td>
<td>How a Campus Farm Can Contribute to the Ecological Model of Campus Health</td>
<td>Jenney Hall, Environmental Studies</td>
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<td>8:30–8:50 pm</td>
<td>Jeremy Pollack, Negotiation, Conflict Resolution, and Peacebuilding</td>
<td>Clothes Makes the Negotiator: Markers of Groups Identify Affect Perceptions of Willingness to Negotiate</td>
<td>Nancy Erbe, Negotiation, Conflict Resolution, and Peacebuilding</td>
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Biological and Agricultural Sciences I — LSU 323

Evening Session: 6:00 pm – 7:00 pm

6:00–6:20 pm  George Lopez, Biology
Developing a stem cell therapy for Mucopolysaccharidosis type III B using CRISPR/Cas9 technology
Faculty Mentor: Michelina Iacovino, Pediatrics division, Harbor-UCLA

6:20–6:40 pm  Anthony Caballero, Biology
The effects in an ammonium addition on bacterial succession and the nitrification process in a newly established low complexity (no fish, no plants) aquaponics system
Faculty Mentor: Adriane Jones, Biology

6:40–7:00 pm  Leobardo Corona, Stephanie Perez, Roberto Sandoval, Biology
Using in situ hybridization and morpholinos to investigate the expression and function of transcription factors, znfx1 and vgl1, in zebrafish embryos
Faculty Mentor: Fang Wang, Biology
Health, Nutrition, and Clinical Sciences I — LSU 324-325
Evening Session: 6:00 pm – 8:50 pm

6:00–6:20 pm  Colleen Curry, Caitlin Allen, Erin Farber, Occupational Therapy  
Transitions into housing: Shifts in time use for formerly homeless veterans  
Faculty Mentor: Claudia Peyton, Occupational Therapy

6:20–6:40 pm  Rebecca Moss, Brittany Schornstein, Meenely Nazarian, Occupational Therapy  
Exploring the Perceptions of Fatigue Held by Individuals Living with Multiple Sclerosis: A Phenomenological Approach  
Faculty Mentor: Claudia Peyton, Occupational Therapy

6:40–7:00 pm  Joanne Kwak, Lauren Labac, Jennifer McCann, Occupational Therapy  
Young Adult Cancer Survivorship  
Faculty Mentor: Claudia Peyton, Occupational Therapy

7:00–7:20 pm  Jamila Dizon, Health Science  
Self-Esteem & Health  
Faculty Mentor: Enrique Ortega, Health Science

7:20–7:30 pm  Coffee Break

7:30–7:50 pm  Elmira Maghen, Monique Le, Jessica Martinez, Occupational Therapy  
Occupational Therapists Supporting Minorities Receiving Care Under Medi-Cal: A Multi-Case Study  
Faculty Mentor: Claudia Peyton, Occupational Therapy

7:50–8:10 pm  Lindsey Taylor, Justin Stehr, Ricardo Salazar, Occupational Therapy  
Young Adult Life Choices and Military Service: A Retrospective Study  
Faculty Mentor: Claudia Peyton, Occupational Therapy

8:10–8:30 pm  Katherine Simon, Thao Thai, Occupational Therapy  
A Photovoice Study Exploring Falls Among Older Adults  
Faculty Mentor: Claudia Peyton, Occupational Therapy

8:30–8:50 pm  Amanda Rogers, Graduate Nursing  
Reducing Door to Balloon Times in STEMI Patients  
Faculty Mentor: Lauren Outland, Graduate Nursing
**Physical and Mathematical Sciences I — LSU 326-327**

**Evening Session: 6:00 pm – 8:50 pm**

6:00–6:20 pm  Noraim Nunez, Physics  
*Analysis of Lambda-Proton Elastic Scattering in CLAS*  
Faculty Mentor: John Price, Physics

6:20–6:40 pm  Marcos Guillen, Physics  
*Simulation of Lambda-Proton Elastic Scattering in CLAS*  
Faculty Mentor: John Price, Physics

6:40–7:00 pm  Zhayne Tanyag, Clinical Sciences  
*Antifreeze Proteins as Nucleants for Thymidine*  
Faculty Mentor: Sen Wang, Chemistry

7:00–7:20 pm  Justin Hathaway, Chemistry  
*Maker’s Electrochemistry: Building a Low-Cost Potentiostat for Cyclist Voltammetry*  
Faculty Mentor: John Price, Physics

7:20–7:30 pm  COFFEE BREAK

7:30–7:50 pm  Adrianna Perez, Physics  
*Star Formation in Simulated Merging Galaxies*  
Faculty Mentor: John Price, Physics

7:50–8:10 pm  Alexander Wittmond, Mathematics  
*Partition Problems and a Pattern of Vertical Sums*  
Faculty Mentor: Serban Raianu, Mathematics

8:10–8:30 pm  Nadia Hirbawi, Chemistry and Biochemistry  
*Synthesis of Redox Active 2, 4, 6-Tris(p-ferrocenylnilino)-1, 3, 5-triazine and its Host-Guest Properties with Cucurbit[n]uril (n=7,8)*  
Faculty Mentor: Arumugam Thangavel, Chemistry and Biochemistry

8:30–8:50 pm  Vuong Tran, Mathematics  
*Generalize Birthday Problems for homogenous Case and In-homogenous case*  
Faculty Mentor: Alex Stanoyevitch, Mathematics
Poster Session I — Ballroom A
Evening Session: 6:30 pm – 8:30 pm

Rebecca Cook, Orthotics and Prosthetics
Exercise and Stress Levels in ABC Certified Orthotists and Prosthetists
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Gregory Grabe, Orthotics and Prosthetics
Flip Flop Ambulation
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Ian Fraser, History
Comics and the Civil Rights
Faculty Mentor: Andrea Johnson, History

Chris Stokesbary, Orthotics and Prosthetics
Q Angle Relationship to Step Length
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Fann Lim, Orthotics and Prosthetics
Relationship between Cranial Helmet Orthosis Intervention Age and Duration for Patients with Plagiocephaly
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Samuel Legorreta, Orthotics and Prosthetics
Do Placebo Insoles reduce Lower Back Pain?
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Iris Nakashima, Biology
Dependency of Aggressive Breast Cancer on Autophagy for Survival
Faculty Mentor: Shehla Pervin, Endocrinology, Charles Drew University

Lizett Gonzalez, Biology
Characterizing of Regulon of SspA in Escherichia coli During Long-Term Stationary Phase
Faculty Mentor: Karin Kram, Biology

Alina Skwarcan, Orthotics and Prosthetics
Relationship between Non-Verbal Communication and Patient Satisfaction
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Sydnee Childress, Education
Effective 4th grade math strategies
Faculty Mentor: Edward Curammeng, Teacher Education

Evelinda Parra, Estela Torres, Sociology
The Power of Educational Facilities: Examining the Effects of Interactions
Faculty Mentor: Joanna Perez, Sociology

Francisco Bautista, Biology
EMP2 alters MHC I Expression in Breast Cancer
Faculty Mentor: Madhuri Wadehra, Pathology

Gurkiran Singh, Harmon Jeet Singh Brar, Ishu Juneja, Computer Science
Authentication and Access Control of IOT Using Lightweight Cryptography
Faculty Mentor: Bin Tang, Computer Science

Alexis Guidry, Orthotics and Prosthetics
Effective Transtibial Casting Technique for Accurate Anatomical Measurements
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Emily Alumbaugh, Orthotics and Prosthetics
Prosthetic Cosmetic Impact on Mental Health
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Silvia Gutierrez, Julie Mendoza, Robert Nastav, Giacomo Bono, Psychology
An Examination of Gratitude and Social-Emotional Well-being in Preschoolers
Faculty Mentor: Giacomo Bono, Psychology

Jose Garfias, Chemistry and Biochemistry
Theoretical Study of 3FC-TZN and its Host-Guest interaction in the Determination of Stable Electroactive Materials
Faculty Mentor: Kenneth Rodriguez, Chemistry and Biochemistry

Serina Quintero, Anthropology
GIS Mapping of Historical Buildings in Downtown Los Angeles (central city)
Faculty Mentor: Parveen Chhetri, Earth Science and Geography
Samantha Tsumaki, Chemistry and Biochemistry
Synthesis and Host-Guest Properties of 1,7-Dimethyl-1,7-diazoniachrysene with Cururbit[n]urils
Faculty Mentor: Arumugam Thangavel, Chemistry and Biochemistry

Daileen Cortez, Biology
Activation of Proteasome by Inhibiting Autophagy in Corneal Epithelia Cells with Limbal Stem Cell Deficiency
Faculty Mentor: Fawzia Bardag-Gorce, Pathology and Laboratory Medicine, LABioMed

Jesse Medina, Sociology
The Impact of Abuse on Family Relationships
Faculty Mentor: Joanna Perez, Sociology

Valerie Leonard, Biology
Breeding System Variation in Pale Evening Primrose
Faculty Mentor: Kathryn Theiss, Biology

Bryan Cantero, Chicana/o Studies
Por Amor a el Beisbol: Reynaldo Santacruz
Faculty Mentor: Corina Benavides-Lopez, Chicana/o Studies

Bryan Cantero, Chicana/o Studies
Por Amor a el Beisbol: Race, Gender, Educational Success and Sports
Faculty Mentor: Corina Benavides-Lopez, Chicana/o Studies

Kayla Lock, Alex Whittmon, Mathematics
Refinement of metrics: Erdos Numbers, a case study
Faculty Mentor: Wai Pong, Mathematics

Leo Osornio, Physics
Using Computer Simulations to Aid in Learning about Magnetic Fields Due to Current Carrying Wire
Faculty Mentor: Ximena Cid, Physics

Ashley Aranda, Biology
Pollinators of Asclepias curassavica in Southern California
Faculty Mentor: Kathryn Theiss, Biology

Morgan Valicenti, Orthotics and Prosthetics
How Exercise is Related to the Mental State of Persons with Amputation
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Andrea Sosa, Earth Science and Geography
Oil Refineries Contribution to Contamination of Groundwater Supply
Faculty Mentor: Parveen Chhetri, Earth Science and Geography

Jeffrey Stone, Social Work
A Qualitative Comparison of Social Work Practices Between Norway and the United States Regarding the Treatment of Single Fathers
Faculty Mentor: Maria Avila, Social Work

Ruben Domiguez, Anthropology
Accessibility at CSUDH
Faculty Mentor: Sarah Taylor, Anthropology

Roxana Rodriguez, Special Education
Students with Mild/Moderate Disabilities: The Relationship Between Executive Functions and The Writing Process
Faculty Mentor: Saili Kulkarni, Special Education

Michelle Holloway, Special Education
Increasing Reading Comprehension Improves Standardized SBAC Math Scores
Faculty Mentor: Saili Kulkarni, Special Education

Carleen Ramirez, Special Education
What are the effects of Community Based Instruction on Students with Moderate Disabilities?
Faculty Mentor: Saili Kulkarni, Special Education

Donna DaVanzo, Special Education
ADHD, Handwriting and Mathematical Achievement in Middle School Boys
Faculty Mentor: Saili Kulkarni, Special Education

Lashanda Grant, Special Education
Effectiveness of Sheltered English on English Learners with Disabilities
Faculty Mentor: Saili Kulkarni, Special Education

David Halushka, Special Education
Student and Administrator Perceptions of School Based Discipline
Faculty Mentor: Saili Kulkarni, Special Education

Ranferis Hernandez-Cabrera, Political Science
Sexual Identity through the Eyes of Mapplethorpe
Faculty Mentor: Kirstin Ellsworth, Art and Design

Jason Glasgow, Physics
Simulation of Omega Hyperon Electroproduction Process
Faculty Mentor: John Price, Physics

Aldean Mondares, Physics
Testing the Linearity of the HadLab Computer Cluster
Faculty Mentor: John Price, Physics
Roundtable Session I — LSU 320
Evening Session: 6:00 pm – 7:15 pm

**Nataly Arias, Biology**  
*Molecular Methods in Zebrafish Research*  
Faculty Mentor: Fang Wang, Biology

**Samantha Feinstein, Education**  
*Assistive Technology in the Classroom*  
Faculty Mentor: Edward Curammeng, Teacher Education

**Homood Alharbi, Education**  
*Learning with Audio Books via YouTube in reading class*  
Faculty Mentor: Edward Curammeng, Teacher Education

**Thaithao Nguyen, History**  
*Ethics Community – Little Saigon*  
Faculty Mentor: Doris Namala, History

**Kelly Stephens, Sociology**  
*Equality in Access to Healthy Food*  
Faculty Mentor: Matthew Mutchler, Sociology
Thursday, February 15 Presentations

Behavioral and Social Sciences II — Ballroom B

Morning Session: 9:00 am – 11:30 am

9:00–9:20 am  Christian Harms, Psychology
Life After Exoneration: Employer Perceptions of the Wrongfully Convicted
Faculty Mentor: Heather Butler, Psychology

9:20–9:40 am  Ivett Gabriella, Psychology
Prosocial Behavior and Alcohol Use Among College Students
Faculty Mentor: Carl Sneed, Psychology

9:40–10:00 am Lawrence Ramirez, Monica Acevedo Guerrero, Anthropology
In a Community of Words: Maintaining Khmer Cultural Identities through Language Education in an Immigrant Community
Faculty Mentor: Susan Needham, Anthropology

10:00–10:20 am  Jessica Guszak, Psychology
Cognitive and Mental Health Effects on How People Absorb Information from Social Media
Faculty Mentor: Mark Carrier, Psychology

10:20–10:30 am COFFEE BREAK

10:30–10:50 am Ray Jaquez, Cristina Fincel, Psychology
Design Your Life: Evaluating a Course to Help Students Transition from College into their First Career
Faculty Mentor: Heather Butler, Psychology

10:50–11:10 am Tatiana Cruz, Ernesto Morales, Dolores Duran, Anthropology
Eugenics and Ableist Language
Faculty Mentor: Nancy Armstrong, Anthropology

11:10–11:30 am Enya Valentin, Psychology
Narcissism in relation to filter usage and selfie sharing on SnapChat
Faculty Mentor: Mark Carrier, Psychology
Business, Economics and Public Administration —
LSU 323

Morning Session: 9:00 am – 10:00 am

9:00–9:20 am  Oscar Leiva, Information Systems and Operations Management
Transportation Modal Selection in Global Business
Faculty Mentor: Jian-yu Ke, Information Systems and Operations Management

9:20–9:40 am  Kevin Nowacki, Information Systems and Operations Management
A Comparative Study of Influence on Pursuit of STEM Fields between American and Chinese Students
Faculty Mentor: Myron Sheu, Information Systems and Operations Management

9:40–10:00 am  Melissa Tolosa, Sociology
Gaining Important Digital Skills for College Success: From the Perceptions of First-Year College Students
Faculty Mentors: Nancy Deng, Information Systems and Operations Management
Creative Arts I — LSU 328

Morning Session: 9:00 am – 11:30 am

9:00–9:20 am  Ida Eriksson, Vendela Schonberg, Ricardo Mack, Sean Sweeney, Digital Media Arts
“Life Without Limits” Documentary Film
Faculty Mentor: George Vinovich, Digital Media Arts

9:20–9:40 am  Farida Alami, Sal Velazquez, Jeanine Carrere, Digital Media Arts
“Plastic Disaster” Documentary Film
Faculty Mentor: George Vinovich, Digital Media Arts

9:40–10:00 am  Ricardo Mack, Allen Miller, Digital Media Arts
Vet Suicide PSA
Faculty Mentor: George Vinovich, Digital Media Arts

10:00–10:20 am  Alberto Escobedo, Vandela Schonberg, Digital Media Arts
LGBT Athletes PSA
Faculty Mentor: George Vinovich, Digital Media Arts

10:20–10:30 am  COFFEE BREAK

10:30–10:50 am  Gibrann Rangel, Thinh Nguyen, Digital Media Arts
Teen Runaways PSA
Faculty Mentor: George Vinovich, Digital Media Arts

10:50–11:10 am  Tiara Gray, Farida Alami, Ida Eriksson, Digital Media Arts
Peace PSA
Faculty Mentor: George Vinovich, Digital Media Arts

11:10–11:30 am  Stephen West, Studio Art
“Revealing Design in Nature for Educating and Conversation”
Faculty Mentor: Devon Tsuno, Art and Design
Health, Nutrition, and Clinical Sciences II
— LSU 324-325

Morning Session: 9:00 am – 12:10 pm

9:00–9:20 am Selena Jovel, Clinical Science
*UCLA’s Approach in Reducing The Risk of Infectious Diseases in Platelet Units*
Faculty Mentor: Cheryl Jackson-Harris, Clinical Science

9:20–9:40 am Parker Zak, Nicole Mosser, Christine Quach, Occupational Therapy
*“I am a Quilter”: An Ethnographic Study*
Faculty Mentor: Claudia Peyton, Occupational Therapy

9:40–10:00 am Marisa Cowan, Pearl Aquino, Freda Chamerlain, Occupational Therapy
*The Meaning Caregivers of a Child with Autism Ascribe to Participating in Community Occupations*
Faculty Mentor: Claudia Peyton, Occupational Therapy

10:00–10:20 am Jordan Martin, Hans Kim, Lauren Kawano, Occupational Therapy
*Compassion Fatigue Among Occupational Therapists: A Transcendental Phenomenological Study*
Faculty Mentor: Claudia Peyton, Occupational Therapy

10:20–10:30 am COFFEE BREAK

10:30–10:50 am Justine Budke, Winnie Huang, Sophie Blechman, Casey Cho, Occupational Therapy
*Everyone Can Dance: A Narrative Study*
Faculty Mentor: Claudia Peyton, Occupational Therapy

10:50–11:10 am Einette Arevalo, Rachel Ferre, Ryan Fukuji, Jonathan Isco, Occupational Therapy
*The Hidden Problems Faced by Individuals with Spinal Cord Injury: A Chronology*
Faculty Mentor: Claudia Peyton, Occupational Therapy

11:10–11:30 am William Leisek, Ryan Kohl, Occupational Therapy
*Occupational Therapist Attitudes Towards the Clinical Use of Emergent Technology: A Phenomenological Study*
Faculty Mentor: Claudia Peyton, Occupational Therapy

11:30–11:50 am Cammie Mayfield, Morgan Kollenda, Halle Lorkis, Occupational Therapy
*Diabetes Self-Management and Homelessness: A Grounded Theory Study*
Faculty Mentor: Claudia Peyton, Occupational Therapy

11:50 am Sheri Lam, Kathrin Klensthteyn, Crystal King, Occupational Therapy
*Curvy Girls International Scoliosis Support Groups: A Life-Changing Experience*
Faculty Mentor: Claudia Peyton, Occupational Therapy

12:10 pm
**Health, Nutrition, and Clinical Sciences III — Ballroom C**  
**Morning Session: 9:00 am – 11:50 am**

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenters</th>
<th>Title</th>
<th>Faculty Mentor</th>
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</thead>
<tbody>
<tr>
<td>9:00–9:20 am</td>
<td>Josephine Mickelsen, Brittany Eaton, Adee Rozov, Occupational Therapy</td>
<td>“Not Just Another Petri Dish”: Stem Cell Transplant Survivor Needs</td>
<td>Claudia Peyton, Occupational Therapy</td>
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<tr>
<td>9:20–9:40 am</td>
<td>Yuna Kim, Kristen Lee, Vivian Kim, Occupational Therapy</td>
<td>Parent-Occupational Therapist Relationships in Pediatric Therapy Settings: A Narrative Analysis</td>
<td>Claudia Peyton, Occupational Therapy</td>
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<tr>
<td>9:40–10:00 am</td>
<td>Kevin Yang, Sara Paik, Callie Woods, Occupational Therapy</td>
<td>Immigrant Parents’ Perception of Care: A Phenomenological Study</td>
<td>Claudia Peyton, Occupational Therapy</td>
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<tr>
<td>10:00–10:20 am</td>
<td>Tanya Dimas-Guillen, Daniel Endow, Kelly Johnson, Occupational Therapy</td>
<td>Occupational Therapy in Acute Care: A Juggling Act</td>
<td>Claudia Peyton, Occupational Therapy</td>
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<td>10:20–10:30 am</td>
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<td>COFFEE BREAK</td>
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<tr>
<td>10:30–10:50 am</td>
<td>Tiffany Ancheta, Rosalie Celestial, Danica Fernandez, Occupational Therapy</td>
<td>Sensory Experiences and Occupational Engagements in Young Adults</td>
<td>Claudia Peyton, Occupational Therapy</td>
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<tr>
<td>10:50–11:10 am</td>
<td>Melissa Lowndes, Amy McAndrews, Occupational Therapy</td>
<td>Stories of Transition for First Time Mothers with Postpartum Mood Disorder</td>
<td>Claudia Peyton, Occupational Therapy</td>
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<tr>
<td>11:10–11:30 am</td>
<td>Sara Pham, Valerie Rincon, Jimmy Tran, Occupational Therapy</td>
<td>Sexual Identity Reconstruction of Individuals with Tetraplegia</td>
<td>Claudia Peyton, Occupational Therapy</td>
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<tr>
<td>11:30–11:50 am</td>
<td>Jonathan Beran, Olivia Kardos, Jamie Bodie, Occupational Therapy</td>
<td>Substance Use in the Food Services Industry: A Narrative Analysis</td>
<td>Claudia Peyton, Occupational Therapy</td>
</tr>
</tbody>
</table>
Humanities and Letters I — LSU 326-327

Morning Session: 9:00 am – 11:50 am

9:00–9:20 am  Juan Valadez, English
   Underground Women
   Faculty Mentor: Roderick Hernandez, English

9:20–9:40 am  Amanda Stephens, English
   Wonder Womxn: The Anti-Paradise Island
   Faculty Mentor: Roderick Hernandez, English

9:40–10:00 am  Mary Boogaard, History & Social Science
   “School Segregation Banned: A Loss in a Simple Justice”
   Faculty Mentor: Andrea Johnson, History & Social Science

10:00–10:20 am  Christine Crane, Humanities
   Modernity, Wahhabi Islam and Monarchial Power in Qatar Exhibited in Contemporary Art
   Faculty Mentor: Patricia Gamon, Humanities

10:20–10:30 am  COFFEE BREAK

10:30–10:50 am  George Kopp, HUX
   Art Into Life: The Politics of Meyerhold’s “The Magnanimous Cuckold,” Moscow, 1922
   Faculty Mentor: Christopher Monty, History

10:50–11:10 am  Cristina Medina, English
   Politeness, Power, and Gendered Language: A case study on the satirical use of gendered language
   Faculty Mentor: Vanessa Wenzell, English

11:10–11:30 am  Melvianne Andersen, English
   Experimenting with Women and Epistemology in Love’s Labour’s Lost
   Faculty Mentor: Kimberly Huth, English

11:30–11:50 am  Shonte Clayton, English
   Margaret Fuller: Journey to Selfhood
   Faculty Mentor: Helen Oesterheld, English
Edward Ordaz, Psychology
Effects of Depression as a Predictor of Social Functioning in Adolescents
Faculty Mentor: Giacomo Bono, Psychology

Gerard Donis, Orthotics and Prosthetics
Language Barriers in Orthotics and Prosthetics
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Priscilla Granados, Shirley Tobar, Ivette Zuniga, Dyana Magdaleno, Management
Sustainability Survey Presentation
Faculty Mentor: Thomas Norman, Management and Marketing

Joel Ortiz, Computer Science
The Unforeseen Cost of Free Public Wi-Fi
Faculty Mentor: Mohsen Beheshti, Computer Science

Wendy Garcia, Social Work
Protection Orders for Latina Domestic Violence Survivors: Are they really effective?
Faculty Mentor: Susan Einbinder, Social Work

Ivy Wolfe, Geography
How restroom friendly is existing CSU Dominguez Hills Campus?
Faculty Mentor: Parveen Chhetri, Earth Science and Geography

Jeshua Avila, Chemistry
Repurposing an Aminomutase from Taxus plants: Ring Opening of Cinnamate Thirane to Produce Phenylcysteine
Faculty Mentor: Kevin Walker, Chemistry, Michigan State University

Maria Nava, Mahsa Malinehei Seyyedeh, Anthony Joseph Gomez Diaz, Carol Haggerty, Barry R. O'Keefe, Biology
Discovery of Cytotoxic Natural Products from the National Cancer Institute Repository using a Sulforhadamine B Colorimetric Assay
Faculty Mentor: Patrick C. Still, Chemistry

Bianca Medina, Angelica Rivera, Kahlie Venus, Psychology
A preliminary analysis of depression, emotion regulation, decision making, sleep hygiene, and sleep quality in college students
Faculty Mentor: Karen Wilson, Psychology

Isai De Los Angeles, Art and Design
Reducing Arrests and Fines of Modified Car Owners in Los Angeles Car Culture
Faculty Mentor: Devon Tsuno, Art and Design

Briana Weir, Celeste Lopez, Maribel Vidaudri, Sociology
“Catfish” and “Trust Issues”: Exploring attitudes toward online dating for millennials
Faculty Mentor: Katy Pinto, Sociology

Molly Powell, Anthropology, Earth Science and Geography
Long Beach Mural Projects of 2017 Mapped with ArcGIS
Faculty Mentor: Parveen Chhetri, Earth Science and Geography

Ricardo Chavez, History
The Inner Struggle in the Chicano Movement
Faculty Mentor: Andrea Johnson, History

Alexandria Tucker, Biology
Role of Nicotine and High Fat in Triple Negative Breast Cancer
Faculty Mentor: Shehla Pervin, Biology

Hawk McFadzen, Sociology
Food Access, its Impact on Healthy Eating in Los Angeles, and the Role of Urban Agriculture in Changing Consumer Behavior
Faculty Mentor: Matthew Mutchler, Sociology

Eduardo Martinez, Art
Visual Research into the Evolution of Poisonous Flowers
Faculty Mentor: Devon Tsuna, Art and Design
Omeed Haji-Amiri, Biology  
*The Effects of Climate Change on Oenothera pallida*  
Faculty Mentor: Kathryn Theiss, Biology

Eugene Cox II, Psychology  
*Google Glass: Analysis of Arousal on Recording Interviews*  
Faculty Mentor: Thomas Norman, Management and Marketing

Marialuisa Flores-Jacobo, Mariana Hernandez Licon, Aylin Arriola, Chemistry  
*The Size Control of Copper Sulfate Pentahydrate by Antifreeze Proteins*  
Faculty Mentor: Sen Wang, Chemistry

Alejandra Regla-Vargas, Chicana/o Studies  
*Cyber Activism: A Tool for Transformational Resistance*  
Faculty Mentor: Corina Benavides-Lopez, Chicana/o Studies

Elvis Carillo, Earth Science and Geography  
*Carson’s Natural Hazards: How vulnerable is the CSUDH campus and are we prepared for a natural disaster?*  
Faculty Mentor: Parveen Chhetri, Earth Science and Geography

Whitney Weis, Physics  
*Using JavaScript to Aid Students in Comprehension of Electric Dipoles*  
Faculty Mentor: Ximena Cid, Physics

Hailey Dunning, Orthotics and Prosthetics  
*Endurance After Unilateral Trans-tibial Amputation*  
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Adriana Feinberg, Social Work  
*The Effects of Intimate Partner Violence on Men and Women: A Comparative Study to Enhance Gender Specific Mental Health Treatment for Men*  
Faculty Mentor: Susan Einbinder, Social Work

Joseph Ramos Flores, Jessica Abaya, Yuliveth Cortez, Health Science  
*Neighborhood Safety and Food Security*  
Faculty Mentor: Achana Sharma, Health Science

Katia Salgado, Biology  
*Characterization of Genes Necessary for Escherichia coli survival in Long-Term Stationary Phase*  
Faculty Mentor: Karin Kram, Biology

Autumn Henderson, Biology  
*Higher Expression of Motility Related Genes in Evolved Escherichia coli*  
Faculty Mentor: Karin Kram, Biology
Roundtable II — LSU 320

Morning Session: 9:00 am – 10:15 am

Lauren Gallegos, Jessica Morales, Neomi Ortiz, Karen Rodriguez, Jocelyn Vicente, Liberal Studies
The Inner-Workings of the Community of Carson
Faculty Mentor: Jen Stacy, Liberal Studies

Yuliveth Cortez, Health Science
Child Marriage Among Young Girls in Bangladesh
Faculty Mentor: Archana Shama, Health Science

Lekecia Dorsey, HUX
Young Adult Science Fiction and the Representation of Young Black Womanhood
Faculty Mentor: Jane Lee, English

Jieli Chen, Faisal Alharbi, Mohammed Althubyani, Computer Science
Reliability-Efficient Mechanism ( AJIA) of IoTs for Packet Loss Recovery and Route Performance Evaluation
Faculty Mentor: Bin Tang, Computer Science

Mayleth Martinez, Karina Cota, Annes Chu, Ivett Gabriella, Psychology
How parents monitor and communicate with their children through social media, cell phones, and GPS devices
Faculty Mentor: Carl Sneed, Psychology

Amanda Dacanay, Asian Pacific Studies
Navigating the Trinity: LGBTQIA, Christian, and Filipinx American Identities
Faculty Mentor: Mary Lacanlale, Asian Pacific Studies

Ian A. Klinger, Sociology
Deconversion experiences among ex-religious fundamentalists in the southwestern United States
Faculty Mentor: Matthew Mutchler, Sociology

Jonathan Hoel, History
History of Pokémon and the affects it has on people
Faculty Mentor: Andrea Johnson, History
Student Research Day Lunch

Thursday, February 15, 2018
Ballroom C: 12:15 – 1:30 pm

PROGRAM

Welcome
Dr. John Price
Professor of Physics
Director of Undergraduate Research, Scholarship and Creative Activity

Opening Remarks
Dr. Ken O’Donnell
Interim Vice Provost, Academic Affairs

Keynote Speech
Dr. Xercis Méndez (2008, B.A., Interdisciplinary Studies)
Assistant Professor in Philosophy, African American Studies and African Studies
Michigan State University

Xercis Méndez received her doctorate from the Philosophy, Interpretation and Culture Program at Binghamton University, along with certificates in Feminist Theory and Latin American and Caribbean Area Studies. As a scholar-activist her research departs from engaged philosophy that centers those bodies systematically devalued, marginalized and targeted for demise. Her work brings together Women of Color and Decolonial Feminisms, Sexuality Studies, and Afro-Latinx/diasporic Religion and Philosophies in order to develop decolonial feminist methodologies, ingredients and tools for the (re)making of social relations, histories, intimacies, normative value systems, and resistant possibilities. She has authored several articles to that end, including but not limited to the following: “Notes Toward a Decolonial Feminist Methodology: The Race/Gender Matrix Revisited” (2015), “Transcending Dimorphism: Afro-Cuban Ritual Praxis and the Rematerialization of the Body” (2014), and “Which Black Lives Matter? Gender, State-Sanctioned Violence, and ‘My Brother’s Keeper’” (2016) for the Radical History Review. She is currently working on her manuscript entitled, Decolonizing Feminist Methodologies from the Dark Side. Tied to her research and her experiences as a first generation college graduate, she is committed to diversifying not only academic spaces, but also the processes through which knowledge is produced. Her pedagogical approach includes emphasizing a diversity of thought in the selection of readings, often including non-canonical texts produced by women and communities of color, queer, and gender non-conforming folks of color. She also works to create intellectual spaces where a diversity of experiences can find a voice, experiences largely marginalized within her own educational trajectory. An alumna of CSUDH, she draws upon her experiences as a former McNair scholar and Clark Fellow to mentor and create workshops designed to prepare first-generation students to face the challenges and possibilities of higher education.
Behavioral and Social Sciences III — Ballroom B
Afternoon Session: 2:00 pm – 4:10 pm

2:00–2:20 pm  Juliana Soto, Sociology
Dealing with “The Gay Dilemma”: Older Gay Men Living with HIV
Faculty Mentor: Matthew Mutchler, Sociology

2:20–2:40 pm  Jose Andres Franco, Psychology
Association of Depression, Ethnicity, and Technology and Social Media Use
Faculty Mentor: Mark Carrier, Psychology

2:40–3:00 pm  Amaranta Ramirez, Psychology
Herding Behavior and Social Media: Examining how personality and executive function affects how we behave online
Faculty Mentor: Mark Carrier, Psychology

3:00–3:20 pm  Ray Jaquez, Christian Harms, Cristina Fincel, Mary Gauthier, Psychology
Expert Testimony: Can Jurors Be Sensitized to the Quality of Forensic Evidence?
Faculty Mentor: Heather Butler, Psychology

3:20–3:30 pm  COFFEE BREAK

3:30–3:50 pm  Ian A. Klinger, Sociology
Age matters: Differences in predictors of self-reported adherence between older and young Black men who have sex with men
Faculty Mentor: Matthew Mutchler, Sociology

3:50–4:10 pm  Jordan Verdin, Negotiation, Conflict Resolution and Peacebuilding
Can Viewing Pictures of Different Races Influence Bias Towards the Homeless?
Faculty Mentor: Margaret Manning, Negotiation, Conflict Resolution and Peacebuilding
Computer Science I — LSU 323
Afternoon Session: 2:00 pm – 2:40 pm

2:00–2:20 pm  Christopher Hanby, Computer Science
Penetration Testing by Means of Wireless Cellular Devices
Faculty Mentor: Mohsen Beheshti, Computer Science

2:20–2:40 pm  Alexander Wittmond, Computer Science
The Design and Implementation of a Function Reactive Game Engine
Faculty Mentor: Serban Raianu, Mathematics
Creative Arts II — LSU 328
Afternoon Session: 2:00 pm – 4:10 pm

2:00–2:20 pm  Jasmin Orozco, Management and Marketing
David H. McConnell - AVON
Faculty Mentor: Gary Polk, Management and Marketing

2:20–2:40 pm  Derek Prado, Art and Design
Political Simulacrum
Faculty Mentor: Devon Tsuno, Art and Design

2:40–3:00 pm  Nichole Saul, Art and Design
Coco Chanel: An Avant-Garde Artist of the Modern Period
Faculty Mentor: Kirstin Ellsworth, Art and Design

3:00–3:20 pm  Omar Solorio, Art and Design
Transgressive Imagery
Faculty Mentor: Devon Tsuno, Art and Design

3:20–3:30 pm  Coffee Break

3:30–3:50 pm  Catrina Mendoza, Art and Design
A Visual Insight into a “Deadly Weapon”
Faculty Mentor: Devon Tsuno, Art and Design

3:50–4:10 pm  Diamond Smith, Farida Alami, Xaisha Bailey, Digital Media Arts
Transgender People
Faculty Mentor: George Vinovich, Digital Media Arts
Education I — LSU 324-325
Afternoon Session: 2:00 pm – 4:30 pm

2:00–2:20 pm  Hawk McFadzen, Sociology
Leaving DH: Why are First-Generation, Pell-Eligible, Non-White Commuters Unable to Persist at a School where they are the Majority? A Qualitative Study
Faculty Mentor: Bridget Driscoll, University Advisement Center

2:20–2:40 pm  Mayra Bermudez, Teacher Education
Increasing Reading Comprehension by Motivating Students Through Fluency
Faculty Mentor: Edward Curammeng, Teacher Education

2:40–3:00 pm  Juan Lugo, Teacher Education
Troubling Masculinities: Implications for Engaging Male Students of Color
Faculty Mentor: Edward Curammeng, Teacher Education

3:00–3:20 pm  Giselle Salinas, Psychology
Student Veteran Challenges and Successes at the University
Faculty Mentor: Phu Phan, Human Services

3:20–3:30 pm  Coffee Break

3:30–3:50 pm  Anna Ortega, English
Comparing Trump's Speech vs Obama's Speech on Black History Month
Faculty Mentor: Vanessa Wenzell, English

3:50–4:10 pm  Jerry Coronado, Teacher Education
The Influence of Mindfulness on the Academic Achievement and Engagement of a Group of Eighth-Grade Pupils
Faculty Mentor: Edward Curammeng, Teacher Education

4:10–4:30 pm  Eugene Cox, Gersain Bailon, Alexis Bueno, Psychology
Which College Activities Build Career Readiness for CSUDH Students?
Faculty Mentor: Mark Carrier, Psychology
Humanities and Letters II — LSU 326-327
Afternoon Session 2:00 pm – 4:30 pm

2:00–2:20 pm  Paula Sherrin, English
Gendered Experiences of Trauma in Titus Andronicus
Faculty Mentor: Kimberly Huth, English

2:20–2:40 pm  Lawrence Ramirez, Art and Design
Choice of a New Generation: Contesting Orientalist Symbolism under the Pressures of the Globalized Culture of Commodity Capitalism
Faculty Mentor: Kirstin Ellsworth, Art and Design

2:40–3:00 pm  Lizeth Reyes, Art and Design
Message Denied
Faculty Mentor: Kirstin Ellsworth, Art and Design

3:00–3:20 pm  Stephanie Vigil, English
Contrastive Pragmatic Analysis: Relationship Advice Amongst Equals as Presented in American and Japanese Media
Faculty Mentor: Vanessa Wenzell, English

3:20–3:30 pm  COFFEE BREAK

3:30–3:50 pm  Cambria Rodriguez, History
Bringing Wealth and Water to the City of Angels: Transforming Los Angeles’ Physical Landscape into an Anglo Vision 1885-1930
Faculty Mentor: Doris Namala, History

3:50–4:10 pm  Thao Nguyen, History
Indigenous conquest of Mexico
Faculty Mentor: Doris Namala, History

4:10–4:30 pm  Melvianne Andersen, English
Oh, How the Mighty Have Fallen: The Nature of the Gentry Class in Pamela; or Virtue Rewarded
Faculty Mentor: Helen Oesterheld, English
Poster Session III — Ballroom A
Afternoon Session: 2:30 pm – 4:30 pm

Natalya Cardena, Biology
Computational Analysis for Identification of Candidate Pathways and Prioritization to Improve Adjuvant Discovery
Faculty Mentor: Sonal Singhal, Biology

Alyssa DeAmicis, Orthotics and Prosthetics
Exploring Socket Comfort
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Ronell Lopez, Biology
Maintenance of Vascular Integrity via ARF6-GTP Inhibition Protects Mice from MDR Acinetobacter Infection
Faculty Mentor: Lin Lin, Immunology, LA BioMed

Riley Lotta, Social Work
Homeless Female Veterans with Children: A Qualitative Study
Faculty Mentor: Susan Einbinder, Social Work

Jeffrey Lutz, Ernest Urzua, Donald Crawford, Computer Science
Accommodating User Requests in Data Center Networks via Virtual Machine Simulation
Faculty Mentor: Bin Tang, Computer Science

Tatiana Cruz, Molly Powell, Ernesto Morales, Serina Quintero, Kassandra Paysse, Anthropology
Archaeological Fieldwork at Rancho Dominguez
Faculty Mentor: Jerry Moore, Anthropology

Ana Baez, Nora Banuelos, Psychology
The Effect of an Accused’s Facial Expression and Mental Illness in a Criminal Setting
Faculty Mentor: Silvia Santos, Psychology

Latrena Johnson, Teacher Education
Developing Critical Thinking Skills
Faculty Mentor: Edward Curammeng, Teacher Education

Kayla Kim, Teacher Education
Guided Reading Instruction and Its Effectives
Faculty Mentor: Edward Curammeng, Teacher Education

Anna Velsko, Orthotics and Prosthetics
Does Increased Calcaneal Inversion Produce a Significant Change in Hip Adduction?
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Chinedu Muo, Psychology
Effects of Socioeconomic Status (SES) on Health Attitudes and Healthcare Accessibility among College-level Students
Faculty Mentor: Kevin Dooley, Psychology

Albert Barrios, Biology
Increased Expression of DUSP9 Increases Embryonic Stem Cell Population to Promote Breast Cancer
Faculty Mentor: Shehla Pervin, Endocrinology, Charles Drew University

Desiree Sotelo, Yoseli Jimenez, Gurnell Washington, Bertha Reynoso, Rainy Burkhart, Public Administration
CSUDH Outreach for Undergraduate Public Administration Majors
Faculty Mentor: Fynnwin Prager, Public Administration

Eric Thai, Geography
Mapping Crime Data Sheriff & Crime
Faculty Mentor: Parveen Chhetri, Earth Science and Geography

Misha Dowd, Hadeel Labani, Alhanuf Alsulaiman, Computer Science
Energy and Cost-Aware Migration of Groups of Virtual Machines in Distributed Data Centers
Faculty Mentor: Bin Tang, Computer Science

Candi Tillman, Sociology
Human-Animal Interaction: A Focus on Companion Pet Detachment
Faculty Mentor: Matthew Mutchler, Sociology

Samantha Ortiz, Management and Marketing
A new Perspective on Workplace Aggression: Wages, Sector, Occupation and Class
Faculty Mentor: Thomas Norman, Management and Marketing

James Skardoutos, Orthotics and Prosthetics
Does this Look Infected? Skin Issues in People with Lower Limb Amputation
Faculty Mentor: Julie Werner, Orthotics and Prosthetics
Jose Aguilar, Sandy Pena, Karlany Meza, Ernesto Flores, Emmanuel Sanchez, Psychology
The Effects of Gender and Ethnicity of a Perpetrator on Perceptions of Physical and Psychological Aggression
Faculty Mentor: Steven Frieze, Psychology

Archana Mohan, Computer Science
How to Improve Quality of Service in IOT Networks
Faculty Mentor: Bin Tang, Computer Science

Robert Head
Beyond the Classroom
Faculty Mentor: Matthew Smith

Britany Fauscette, Teacher Education
Emergent Bilinguals and Student Achievement
Faculty Mentor: Edward Curammeng, Teacher Education

Kresimir Reil, Annette Chavez, Michelle Ruvalcaba, Venita Polonio, Jacob Costa, Daniel Cervantes, Javier Murillo, Dominique Moses, Psychology
Manipulating Resilience in an Everyday Setting: The Effects of Self-Efficacy Priming and Social Support
Faculty Mentor: Steven Frieze, Psychology

Mariana Hernandez Licon, Marialuisa Flores-Jacobo, Aylin Arriola, Chemistry
The Size Control of Copper Sulfate Pentahydrate by Antifreeze Proteins
Faculty Mentor: Sen Wang, Chemistry

Devon Becker, Orthotics and Prosthetics
Phantom Limb Pain in Lower Limb Amputations
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Jennifer Aldana, Alexis Bueno, Psychology
A Preliminary Analysis of Sleep Quality and Risk Behaviors in College Students
Faculty Mentor: Karen Wilson, Psychology

Andrea Guzman, Biology
Genetic Diversity in the Pale Evening Primrose
Faculty Mentor: Kathryn Theiss, Biology

Joel Avalos, Hugo Duran, Health, Nutrition, and Clinical Science
Dr. Sebi & the Sebian Diet
Faculty Mentor: Andrew Kalaidjian

Joel Avalos, Hugo, Duran, Health, Nutrition, and Clinical Science
The Benefits of Meditation
Faculty Mentor: Andrew Kalaidjian

Jason Williams, Chemistry
NMR Methods in the Elucidation of Quinone Alkaloids from Mostuea brunonis with Activity Against U87 Brain Glioma Cells
Faculty Mentor: Patrick Still, Chemistry

Johanna Roman, Robert Nasatav, Jason Sender, Psychology
Don’t Sweat the Small Stuff: Effects of Gratitude and Materialism on Student Stress and Wellbeing
Faculty Mentor: Giacomo Bono, Psychology

Michelle Zaragoza, Social Work
From the US to Norway: Narratives of LGBTQ+ Social Work Students
Faculty Mentor: Maria Avila

Gabriela Galvez, Human Services
The Power of Resilience: Understanding the Experiences of DACAmented Latinx College Students
Faculty Mentor: Joanna Perez, Sociology

Judith Castaneda, Management and Marketing
Pennsylvania State University Sandusky Scandal Research
Faculty Mentor: Gary Polk, Management and Marketing

Griselda Bernabe, Psychology
Family History, Disease Threat and Health Outcomes among at risk Latino students
Faculty Mentor: Silvia Santos, Psychology

Danny Rivas, Physics
Analyzing student comprehension of forces and spatial reasoning skills by instructor and content in introductory mechanics
Faculty Mentor: Ximena Cid, Physics

Elizabeth Guillen, Communications
Gender Role Representations in Cartoons: An examination of changes, through textual analysis, to show how gender role representations have changed in cartoons
Faculty Mentor: Linda Dam, Communications

Luis Pena, Chemistry and Biochemistry
Preparing a substrate for Histone Demethylase Assay
Faculty Mentor: Tieli Wang, Chemistry and Biochemistry

Joel Avalos, Hugo Duran, Health, Nutrition, and Clinical Science
Exercise’s Effects on the Human Body
Faculty Mentor: Andrew Kalaidjian
Roundtable III — LSU 320
Afternoon Session: 2:00 pm – 3:15 pm

Shannon Webster, Azalea Perez, Vanessa Saldana, Julie Williams, Regina Vera, Liberal Studies
The Culture of the Carson Community
Faculty Mentor: Jen Stacy, Liberal Studies

Carlos Cuevas, Computer Science
Network Wide Ad-blocker
Faculty Mentor: Mohsen Beheshti, Computer Science

Nathanael Buck, Computer Science
Security Testing in Public Cloud Computing
Faculty Mentor: Mohsen Beheshti, Computer Science

Melissa Guardado, Biology
Zebrafish: A Model to Study Skin Disease
Faculty Mentor: Fang Wang, Biology

Elizabeth Vicencio, Son Duong, Jeanne Cooper, Cristal Castro, Malcolm Johnson, Public Administration
What Activities are Local Governments Pursuing to Promote Entrepreneurship
Faculty Mentor: Hugo Asencio, Public Administration

Jennifer Zuniga, Teacher Education
Motivating Latinos to Higher Education
Faculty Mentor: Edward Curammeng, Teacher Education

Mayleth Martinez, Chicana/o Studies
Perceptions of Boxing: How Children and Adolescents Feel about Virile Values
Faculty Mentor: Mario Obando, Chicana/o Studies
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