

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

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

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 Steiner
Roya Azizi	Kate Fawver	Jody Mahler	Melissa St. James
Eddie Banuelos-Casillas	Yesenia Fernandez	Abdi Majlessi	Jenn Sumner
Moshen Beheshti	Terri Fleming-Drigh	Brandy McLelland	Bin Tang
Ori Berezan	Paul Fornelli	Brendan McNulty	Kimmie Tang
Gurmohan Bevli	Kitty Fortner	Carson Mellblom-Nishioka	Thomas Taylor
Antonia Boadi	Carolyn Caffrey Gardner	John Menary	Arumugam Thangavel
Brenda Bran	Jan Gasco	Erin Merz	Kathryn Theiss
Kaitlyn Breiner	Mike Grimshaw	Mary-Michelle Moore	Devon Tsuno
Didra Brown	Tara Hardee	Matt Mutchler	Tara Victor
Meka Brown	Camille Henderson	Subasri Narasimhan	Philip Vieira
Michele Bury	Yan-hua Huang	Payman Nasr	Fang Wang
Heather Butler	Kimberly Huth	Hannah Nguyen	Sen Wang
Theodore Byrne	Eric Hwang	Ken O’Donnell	Tieli Wang
Bhriugu Celly	Catherine Jacobs	Helen Oesterheld	Vanessa Wenzell
Kirti Sawhney Celly	Erika Johnson	Jung-Sun Park	Greg Williams
Nancy Cheever	Joni Johnson	Sheela Pawar	Melissa Williams
Parveen Chhetri	Andrew Kalaidjian	Joanna Perez	Karen Wilson
Natasia Christodoulidou	Jian-yu (Fisher) Ke	Tom Philo	Cheryl Wolcott
Helen Chun	Chandra Khan	Katy Pinto	Xia Wu (Shell)
Cheyenne Cummings	Wafa Khasawneh	Gary Polk	Zheng Yang
Edward Curammeng	Heather Kitching	Devaleena Pradhan	Carolyn Yarnall
Linda Dam	Brian Komlos (Shell)	Fynn Prager	Elli Zenhari
Kelly Dawdy	Karin Kram	Dean Ramser	Kathy Zimmerer
Nancy Deng	Pamela Krochalk	Nop Ratanasiripong	Xia Zhao
Begona De Velasco	Saili Kulkarni	Howard Rosenthal	Liudong Zuo
Prakash Dheeriya	Darrah Kuratani	Ann Selmi	
Anthony Joseph Diaz	Megumi Kuwabara	Gurpreet Singh	
Lauri Dickmeyer	Sarah Lacy	Sonal Singhal	

Organizing Committee

John Price (Chair)	Kirti Celly	Saili Kulkarni	Paz Oliverez
Dorota Huizinga (ex Officio)	Nancy Deng	Michelle Martinez	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

Behavioral and Social Sciences I

Ballroom B, Wednesday Evening

Behavioral and Social Sciences II

Ballroom B, Thursday Morning

Behavioral and Social Sciences III

Ballroom B, Thursday Afternoon

Biological and Agricultural Sciences I

LSU 323, Wednesday Evening

Business, Economics, and Public Administration I

LSU 323, Thursday Morning

Computer Science I

LSU 323, Thursday Afternoon

Creative Arts I

LSU 328, Thursday Morning

Creative Arts II

LSU 328, Thursday Afternoon

Education I

LSU 324-325, Thursday Afternoon

Health, Nutrition, and Clinical Sciences I

LSU 324-325, Wednesday Evening

Health, Nutrition, and Clinical Sciences II

LSU 324-325, Thursday Morning

Health, Nutrition, and Clinical Sciences III

Ballroom C, Thursday Morning

Humanities and Letters I

LSU 326-327, Thursday Morning

Humanities and Letters II

LSU 326-327, Thursday Afternoon

Physical and Mathematical Sciences

LSU 326-327, Wednesday Evening

Posters I

Ballroom A, Wednesday Evening

Posters II

Ballroom A, Thursday Morning

Posters III

Ballroom A, Thursday Afternoon

Roundtable I

LSU 320, Wednesday Evening

Roundtable II

LSU 320, Thursday Morning

Roundtable III

LSU 320, Thursday Afternoon

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

Wednesday, February 14 Presentations

Behavioral and Social Sciences I — Ballroom B

Evening Session: 6:00 pm – 8:50 pm

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

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-ferrocenylanilino)-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, HarmonJeet 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-diazoniachrysenes with Curcubit[n]urils
Faculty Mentor: Arumugam Thangavel, Chemistry and Biochemistry

Daileen Cortez, Biology
Activation of Proteasome by Inhibiting Autophagy in Corneal Epithelial 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 Whittmond, 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**
–12:10 pm **Sheri Lam, Kathrin Klenshteyn, Crystal King, Occupational Therapy**
Curvy Girls International Scoliosis Support Groups: A Life-Changing Experience
Faculty Mentor: Claudia Peyton, Occupational Therapy

Health, Nutrition, and Clinical Sciences III — Ballroom C

Morning Session: 9:00 am – 11:50 am

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

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

Poster Session II — Ballroom A

Morning Session: 9:30 am – 11:30 am

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 Thiirane to Produce Phenylcysteine

Faculty Mentor: Kevin Walker, Chemistry,
Michigan State University

Mariah Rojas, Biology

Generating Point Mutations in Escherichia coli to Study Bacterial Evolution

Faculty Mentor: Karin Kram, Biology

Arlene Morales, Anthropology

An Interaction Analysis of a Khmer Language Class

Faculty Mentor: Susan Needham, Anthropology

Samuel Ong, Sovandany Wang, Health Science

Unfair Experiences on General Health Status

Faculty Mentor: Archana Sharma, Health Science

Maria Nava, Mahsa Malinehei Seyedeh, 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 Vidauri, 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 Tsuno, 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. Xhercis Méndez (2008, B.A., Interdisciplinary Studies)

Assistant Professor in Philosophy, African American Studies and African Studies

Michigan State University



Xhercis 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**
Herd 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 Oosterheld, 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 Effectiveness

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 Burkhardt, 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 Skardouts, 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 Kalaidian

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

Sponsors

Thank you to our generous sponsors

Office of the President

Shell



**BOXED
WATER®**

Office of the Provost

Office of Graduate Studies and Research

**Office of Undergraduate Research, Scholarship
and Creative Activity**



CSUDH

CALIFORNIA STATE UNIVERSITY, DOMINGUEZ HILLS

1000 East Victoria Street | Carson, CA 90747 | www.csudh.edu