Welcome to the Twelfth Annual California State University, Dominguez Hills Student Research Day.

California State University, Dominguez Hills is distinguished from other universities by the diversity and ingenuity of our student population. Those qualities are reflected in the high-caliber research being presented here today. Student participation in research has been proven to contribute to student growth and success. Student researchers must devote countless hours and immeasurable effort to their projects, and in the process, they acquire important skills and qualities such as collaboration, patience, and tenacity. They emerge from the research process knowing more about themselves, their communities, and their professional fields.

Today’s presenters benefitted from tremendous support. I would like to recognize and thank the faculty mentors, departmental staff, judges, volunteers, and fellow students who contributed to the success of the students who are presenting their work today. You are a testament to the strength and quality of our Toro community.

To the student presenters, I offer my congratulations on your accomplishments. Not only have you achieved something great for yourselves, you have made your university proud. I encourage everyone here to engage with the presentations as much as possible. Our talented, creative, dedicated students are eager to share their discoveries and their work with all of you.

Sincerely,

Willie J. Hagan, Ph.D.
President
Welcome

Presenters, judges, faculty mentors, and guests:

Welcome to the Twelfth Annual Student Research Day at California State University, Dominguez Hills! We’re proud to say that Student Research Day continues to grow. This year we have 349 submissions from across the campus. Nearly every department at CSUDH is represented, making this truly a campus-wide event.

One of the main functions of a university is research (broadly defined here to include scholarship and creative activity), and CSUDH students are at the forefront of that work. Whether it is about understanding the development of the sense of touch in the animal kingdom, the impact of “Big Data” on the everyday lives of people, how youth consumption of pop culture affects their sense of identity, or any of the myriad topics that will be discussed today, student researchers at CSUDH contribute to the advance of human knowledge that will lead us into the future.

By participating in faculty-mentored research, students develop skills they will carry with them far beyond CSUDH. Systematic observation, formulation of a research question, detailed literature research, experimental design and execution, data analysis, and even public speaking such as many of you will do today are exactly the skills sought after by potential employers.

An event such as this is the culmination of long hours of work by hundreds of students, toiling away in the lab or the library, or the studio, searching for those details to complete their work. At the same time, it is a celebration of their results. The work may have been difficult, and the hours may have been long, but in the end, the researcher has learned something about our universe that nobody else knows. The scholar has found a new way to look at the world, which has never before been considered. The artist has opened a window to our souls, shining light where before was only darkness. In presenting that knowledge to the world, we are all made richer.

While students are the most important part of student research, one cannot forget the role played by the faculty mentor. It can take the form of hands-on instruction - how to actually do research. It can be subtler, guiding the student in the selection of a research topic likely to lead to interesting results. Or, it can be somewhere in between, depending on the experience of the student and the difficulty of the topic. The common factor among them all is the close working relationship between mentor and student that leads to a transfer of experience to the next generation.

For their support in planning and executing this event, I would like to thank President Willie J. Hagan, Provost Rod Hay, Dean Dorota Huizinga, Jessie Kawata, 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
Conference Chair

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.
Conference Schedule

Wednesday – February 15, 2017

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

Thursday – February 16, 2017

Loker Student Union
8:30–9:00 a.m.  Registration
9:00–11:50 a.m. Morning Sessions

LSU Ballroom C
12:00–12:30 p.m.  Lunch
12:30–12:35 p.m.  Welcome
Dr. Dorota Huizinga, Dean of Graduate Studies and Research
12:35–12:40 p.m.  Opening Remarks
Dr. Rodrick Hay, Interim Provost and Vice President, Academic Affairs
12:40–12:55 p.m.  CSUDH Student Dance Performance
12:55–1:25 p.m.  Keynote Speech
Outside-the-Box Rocket Science: A Unique Trajectory to the Stars
Jessie Kawata, Jet Propulsion Laboratory
1:25–1:50 p.m.  Announcements
Dr. John Price, Chair, Student Research Day Organizing Committee

Loker Student Union
2:00–5:00 p.m.  Afternoon Sessions

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

Anthropology  Janine Gasco, Jerry Moore, Susan Needham, Sarah Taylor
Art and Design  Michele Bury, Kristin Ellsworth, Devon Tsuno, Ellie Zehnari
Asian Pacific Studies  Katherine Chu, Mary Lacanlale
Biology  Brynne Bryan, Karin Kram, Nagendra Mishra, Kathryn Theiss, Fang Wang
Chemistry  Barbara Belmont, Patrick Still, Arumugam Thangavel, Tilly Wang
Chicana/Chicano Studies  Corina Benavides Lopez, Marisela Chavez
Child Development  Bonnie Goff
Clinical Science  Payman Nasr
Communications  Keun Yeong Kim, Sharon Sharp
Computer Science  Mohnsen Beheshti, Amlan Chatterjee, Bin Tang, Liudong Zuo
Digital Media Arts  George Vinovich
Earth Science  Michael Ferris, Brendan McNulty, Ralph Saunders
Education  Robert Boyd, Anthony Normore
Endocrinology  Shehla Pervin (Charles Drew University)
English  Debra Best, Jon Hauss, Andrew Kalaidjian, Jane Lee, Helen Oesterheld, John Rosewall, Vanessa Wenzell, Ed Zoerner
Health Science  Christopher Cappelli, Enrique Ortega, Archana Sharma
History  Laura Talamante, Doris Namala
Human Services  Hannah Nguyen, Phu Phan
Humanities  Lorna Fitzsimmons
Information Systems and Operations Management  Nancy Deng, Jian-Yu Ke, Myron Sheu
Interdisciplinary Studies  Anne Soon Choi, Vivian Price
Internal Medicine  Susheela Tridandapani (The Ohio State University)
Kinesiology  Scott Cheatham
LABioMed  Clara Baldin, Michela Iacovino, Lin Lin
Liberal Studies  Carmen Lopez, Jen Stacy
Management and Marketing  Yann Abdourazakou, Orie Berezen, Kirti Celly, Natasa Christodoulidou, Thomas Norman, Gary Polk
Mathematics  George Jennings, Serban Raianu
Modern Languages  Miguel Dominguez, Michael Galant
Negotiation, Conflict Resolution and Peacebuilding  Nancy Erbe, Brian Jarrett, Margaret Manning
Nursing  Terri Ares, Linda Goldman
Occupational Therapy  Yan-hua Huang, Claudia Peyton
Orthotics and Prosthetics  Julie Werner, Mark Muller
Physics  John Price
Psychology  Giacomo Bono, Heather Butler, L. Mark Carrier, John Dulay, Steven Frieze, Nancy Melucci, Erin Merz, Larry Rosen, Silvia Santos, Carl Sneed, Tara Victor, Karen Wilson
Public Administration  Fynnwin Prager, Brenda Riddick, Jennifer Sumner, Rui Sun, Zheng Yang
Social Work  Adriana Aldana
Sociology  Kelin Li, Andria Mapson, Jeb Middlebrook, Matt G. Muchler, Joanna Perez, Katy Pinto, Gretel Vera-Rosas
Special Education  Saini Kulkarni, Caron Mellblom-Nishioka
Theatre and Dance  Doris Ressl
Women's Studies  Carolina San Juan
### Judges

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<tr>
<td>Adriana Aldana</td>
<td>Susan Einbinder</td>
<td>Matthew Luckett</td>
<td>Tayyeb Shabbir</td>
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<td>Alexander Alschuler</td>
<td>Mohammad Eyadat</td>
<td>Brendan McNulty</td>
<td>Mayra Soriano</td>
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<td>Toumik Asatoorian</td>
<td>Kate Fawver</td>
<td>Caron Mellblom-Nishioka</td>
<td>Melissa St. James</td>
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<td>Mohsen Beheshti</td>
<td>Yesenia Fernandez</td>
<td>Nancy Melucci</td>
<td>Jen Stacy</td>
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<td>Dana S. Belu</td>
<td>Paul Fornelli</td>
<td>John Menary</td>
<td>Russel Statham</td>
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<td>Orie Berezan</td>
<td>Kitty Fortner</td>
<td>Erin Merz</td>
<td>Stephanie Sterling Brasley</td>
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<td>Shari Berkowitz</td>
<td>Leena Furtado</td>
<td>Jeb Middlebrook</td>
<td>Jennifer Sumner</td>
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<td>Debbie Best</td>
<td>Carolyn Caffrey Gardner</td>
<td>Aimee Miller</td>
<td>Rui Sun</td>
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<td>Gurmohan Bevli</td>
<td>Jan Gasco</td>
<td>Jerry Moore</td>
<td>Laura Talamante</td>
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<td>Antonia Boadi</td>
<td>Hillary Griffin</td>
<td>Matt Mutchler</td>
<td>Elaine Tamargo</td>
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<td>Meka Brown</td>
<td>Mike Grimshaw</td>
<td>Doris Namala</td>
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<td>Heather Butler</td>
<td>Elizabeth Hanna</td>
<td>Payman Nasr</td>
<td>Vera Teller</td>
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<td>Theodore Byrne</td>
<td>Jim Hill</td>
<td>Hannah Nguyen</td>
<td>Arumugam Thangavel</td>
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<td>Sarah Cashmore</td>
<td>Yan-hua Huang</td>
<td>Kevin Nguyen</td>
<td>Kathryn Theiss</td>
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<td>Kirti Celly</td>
<td>Kimberly Huth</td>
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<td>Amlan Chatterjee</td>
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<td>Marisela Chávez</td>
<td>Andrew Kalaidjian</td>
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<td>Nancy Cheever</td>
<td>Hassan Karim</td>
<td>Sheela Pawar</td>
<td>Tieli (Tilly) Wang</td>
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<td>Chi-Wen Chen</td>
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<td>Joanna Perez</td>
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<td>Natasa Christodoulidou</td>
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<td>Thomas Philo</td>
<td>Greg Williams</td>
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<td>Cheyenne Cummings</td>
<td>Jeannie Kim-Han</td>
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<td>Cheryl Wolcott</td>
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<td>Linda Dam</td>
<td>Karin Kram</td>
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<td>To Dang</td>
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<td>Kenneth Rodriguez</td>
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<td>John Davis</td>
<td>Elena Kulikov</td>
<td>Howard Rosenthal</td>
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<td>Kelley Dawdy</td>
<td>Salli Kulkarni</td>
<td>Kristen Rovira</td>
<td>Kathy Zimmerer</td>
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<td>Begona de Velasco</td>
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<td>Hamoud Salhi</td>
<td>Liudong Zuo</td>
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<td>Philip LaPolt</td>
<td>Ralph Saunders</td>
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<td>Donna Dueker</td>
<td>Kelin Li</td>
<td>Ann Selmi</td>
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While we have made every effort to include the names of all of our judges in the program, changes may occur between the time this program is printed and Student Research Day on February 15-16. Please forgive us if we have not included your name and please know that we appreciate the effort each judge and session chair puts into making this day a success. Thank you!

### Organizing Committee

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<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>John Price (Chair)</td>
<td>Dorota Huizinga (ex Officio)</td>
<td>John Price (Chair)</td>
<td>Dorota Huizinga (ex Officio)</td>
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<td>Judith Aguirre</td>
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<td>Amy Bentley-Smith</td>
<td>Kirti Celly</td>
<td>Anna Liza Garcia</td>
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<td>D’Vonna Hines</td>
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<td>Devon Tsuno</td>
<td>Jasmina Zuljevic</td>
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### Supplemental Material Reviewers

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<tr>
<td>Angela Albright</td>
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<td>William Blaschke</td>
<td>Patricia Cherin</td>
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<td>Lenore Cook</td>
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<td>Abel A. Whittemore</td>
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# Directory of Presentations

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<tr>
<td>Business, Economics, and Public Administration I</td>
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<td>Health, Nutrition, and Clinical Science IV</td>
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<td>Humanities and Letters I</td>
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<td>Humanities and Letters III</td>
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<td>Physical and Mathematical Sciences</td>
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<td>Roundtable III</td>
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Wednesday, February 15 Presentations

Behavioral and Social Sciences I — Ballroom B
Evening Session: 6:00 pm – 8:50 pm

6:00–6:20  Juliana Soto, Sociology
HIV and Aging in Los Angeles-The Healthy Living Project
Faculty Mentor: Matt G. Mutchler, Sociology

6:20–6:40  Ian Klinger, Sociology
Intentions to Uptake PrEP among Young Black Men who have Sex with Men (YBMSM)
and Their Close Friends
Faculty Mentors: Kelin Li and Matt G. Mutchler, Sociology

6:40–7:00  Enya Valentin, Psychology
Levels of Narcissism as Predicted by Selfie Sharing and Filter Usage on Snapchat
Faculty Mentor: L. Mark Carrier, Psychology

7:00–7:20  Marcos Jimenez, Psychology
The Impact of Computer Technology Use on Time Perception
Faculty Mentor: L. Mark Carrier, Psychology

7:20–7:30  COFFEE BREAK

7:30–7:50  Heather Malca, Sociology
Faculty Mentor: Matt G. Mutchler, Sociology

7:50–8:10  Griselda Bernabe, Karina Aguilar, Psychology
Family Diabetes History and its Influence on Health Outcome
Faculty Mentor: Silvia Santos, Psychology

8:10–8:30  Emily Rose San Diego, Carlos Villalobos, Jacqueline Hernandez, Psychology
Examining the relationship between diabetes knowledge
and health behaviors in college students
Faculty Mentor: Erin Merz, Psychology

8:30–8:50  Ivett Gabriella, Nicolle Brown, Psychology
Social Influence On Physical Activity Among College Students
Faculty Mentor: Carl Sneed, Psychology
## Biological and Agricultural Sciences I — LSU 323
### Evening Session: 6:00 pm – 8:10 pm

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<thead>
<tr>
<th>Time</th>
<th>Presenter</th>
<th>Title</th>
<th>Faculty Mentor</th>
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<tbody>
<tr>
<td>6:00–6:20</td>
<td>Paul Solis, Earth Science</td>
<td>Classification of Tardigrades on Catalina Island</td>
<td>Brendan McNulty, Earth Science</td>
</tr>
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<td>6:20–6:40</td>
<td>Brianne Zapata, Biology</td>
<td>Preventing the Evolution of High-Level Daptomycin-Resistance (HLDR) in Vitro in Strains of Streptococcus mitis by using DAP Combination Antimicrobial Strategies</td>
<td>Nagendra Mishra, Biology</td>
</tr>
<tr>
<td>6:40–7:00</td>
<td>Hillary Gonzalez, Chemistry</td>
<td>Exploring Methyl Paraben Content of Fresh Blueberries</td>
<td>Barbara Belmont, Chemistry</td>
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<td>7:00–7:20</td>
<td>Ashley Barbarino, Biochemistry</td>
<td>Aquaculture threatened by global climate change: Physiological responses of purple-hinge rock scallop (Crassadoma gigantea) to decreased pH and increased temperature</td>
<td>Karin Kram, Biology</td>
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<td>7:20–7:30</td>
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<td>COFFEE BREAK</td>
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<tr>
<td>7:30–7:50</td>
<td>Monica Warner, Biology</td>
<td>Evaluating species differentiation in endangered rush lilies using population genetics</td>
<td>Kathryn Theiss, Biology</td>
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<td>7:50–8:10</td>
<td>Eric Medina, Biology</td>
<td>Using BACs to Study Gene Expression in Zebrafish</td>
<td>Fang Wang, Biology</td>
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</table>
Business, Economics, and Public Administration I — LSU 320

Evening Session: 6:00 pm – 8:10 pm

6:00–6:20 Andre Khachaturians, Shirley Jones, Public Administration
Research on United States Citizenship and Immigration Services Deferred Action for Childhood Arrivals (DACA) Policy in Los Angeles County
Faculty Mentor: Fynnwin Prager, Public Administration

6:20–6:40 Kevin Nowacki, Information Systems and Operations Management
A Study of Attitude & Readiness for STEM Careers
Faculty Mentor: Myron Sheu, Information Systems and Operations Management

6:40–7:00 Natalie Liberman, Jose Franco, Management and Marketing
Google Glass: The Influence of Recording Interviews on Prefrontal Cortex Activation
Faculty Mentor: Thomas Norman, Management and Marketing

7:00–7:20 Dhanushka Kumarasinghe, Communication
Come Catch Pokemon at the Celadon City Department Store!:
Player Perceptions Toward Businesses Within Pokemon Go Hotspots
Faculty Mentor: Keun Yeong Kim, Communications

7:20–7:30 COFFEE BREAK

7:30–7:50 Danielle Clack, Management and Marketing
Targets Failure in Canada
Faculty Mentor: Orie Berezan, Management and Marketing

7:50–8:10 Leonel Arana, Management and Marketing
Elon Musk Bio-Poem
Faculty Mentor: Gary Polk, Management and Marketing
Computer Science I — LSU 326-327

Evening Session: 6:00 pm – 8:30 pm

6:00–6:20 Kent Oguma, Computer Science  
*The Inevitable Relationship between People and Social Sites*  
Faculty Mentor: Mohsen Beheshti, Computer Science

6:20–6:40 Lewis Gray IV, Computer Technology  
*Phishing*  
Faculty Mentor: Mohsen Beheshti, Computer Science

6:40–7:00 Michael Sanchez, Computer Science  
*Harvest Vs Zombies*  
Faculty Mentor: Mohsen Beheshti, Computer Science

7:00–7:20 David Lona, Computer Technology  
*Peer-to-Peer Networking: Maintaining One's Privacy When Using the BitTorrent Protocol*  
Faculty Mentor: Mohsen Beheshti, Computer Science

7:20–7:30 COFFEE BREAK

7:30–7:50 Alexander Ing, Computer Science  
*Efficient Middlebox Placement in SDN-Enabled Data Centers*  
Faculty Mentor: Bin Tang, Computer Science

7:50–8:10 Phalla Aing, Computer Technology  
*Wireless Network*  
Faculty Mentor: Mohsen Beheshti, Computer Science

8:10–8:30 Mario Ruelas, Computer Technology  
*Game Servers*  
Faculty Mentor: Mohsen Beheshti, Computer Science
Creative Arts I — LSU 328

Evening Session: 6:00 pm – 7:00 pm

6:00–6:20  Lafleche-Marie Bourgeault, Art and Design
           *Classifying America through Art*
           Faculty Mentor: Kristin Ellsworth, Art and Design

6:20–6:40  Amelia Soto, Kiana Seva’aetasia, Briana Garcia, Art and Design
           *No Labels CSUDH*
           Faculty Mentor: Michele Bury, Art and Design

6:40–7:00  Meredith Gossland, Art and Design
           *Japanese Family Crests as a Japanese Art History Timeline*
           Faculty Mentor: Kristin Ellsworth, Art and Design
Health, Nutrition, and Clinical Science I — LSU 324-325

Evening Session: 6:00 pm – 8:50 pm

6:00–6:20  Kevin Sun, Lauren Santiago, Daniella Tarankow, Occupational Therapy
          *Living with Crohn’s Disease: A Phenomenology*
          Faculty Mentor: Claudia Peyton, Occupational Therapy

6:20–6:40  Marina Asakawa, Dala Ahdab, Angela Frame, Occupational Therapy
          *You Show Them Love, They Show You More: Narratives of Animal Shelter Volunteers*
          Faculty Mentor: Claudia Peyton, Occupational Therapy

6:40–7:00  Stephanie Evangelist, Meredith Brockriede, Michelle Branchini, Kalvin Alpizar,
            Occupational Therapy
          *Occupational Therapist Experience: Addressing Sexuality with Persons with Spinal Cord Injury*
          Faculty Mentor: Claudia Peyton, Occupational Therapy

7:00–7:20  Yea Ji Lee, Jessica Lontayo, Occupational Therapy
          *Musical Interventions for Children with Autism: Parents’ Perspectives*
          Faculty Mentor: Claudia Peyton, Occupational Therapy

7:20–7:30  COFFEE BREAK

7:30–7:50  Shannon Moy, Ling Li Woo (Abe), Kim, Occupational Therapy
          "Managing her pain is a little bit of a guesstimate": Caregiver experience managing pain
          in a child with Rett syndrome - A phenomenological study
          Faculty Mentor: Claudia Peyton, Occupational Therapy

7:50–8:10  Serli Nazarian, Carey Maust Elaine Medina, Occupational Therapy
          "My Dog Saved My Life": Dog-Veteran Companionship
          Faculty Mentor: Claudia Peyton, Occupational Therapy

8:10–8:30  Chelsea Oshimo, Alanna Reeve, Jen Overton, Health, Nutrition and Clinical Sciences
          *Occupational Therapists’ Experiences of Grief with Client Death: A Phenomenological Study*
          Faculty Mentor: Claudia Peyton, Occupational Therapy

8:30–8:50  Bethany Hubbs, Erin Purdom, Nicole Hawkins, Occupational Therapy
          "Hard, but Worth It": The Lived Experience of Foster Parents Caring for Children
          with Prenatal Substance Exposure
          Faculty Mentor: Claudia Peyton, Occupational Therapy
Poster Session I — Ballroom A
Evening Session: 6:00 pm – 8:00 pm

Ngozi Umekwe-Odudu, Georgianna Garrels, Gil Rivera, Giacomo Bono, Carla Redmon, Psychology
Character Strengths and its Link to Prosocial and Antisocial Behaviors
Faculty Mentor: Giacomo Bono, Psychology

Jeanette Alvis, Interdisciplinary Studies
Black Lives Matter
Faculty Mentor: Anne Choi, Interdisciplinary Studies

Erika Jimenez, Child Development
Adverse Childhood Experiences Affect Anxiety and Depression in College-Aged Female Students
Faculty Mentor: Bonnie Goff, Child Development

Aaron Street, Bryan Morales, Theodore Hardwick, Psychology
Transformational Leadership on Independent Action
Faculty Mentor: Steven Frieze, Psychology

Gabriela Galvez, Human Services
The Mental Health of Latino Undocumented Immigrant Young Adults
Faculty Mentor: Joanna Perez, Sociology

George Lopez, Biology
HoxA3 Controls Blood Development by Recruiting Chromatin Repression Complexes
Faculty Mentor: Michelina Iacovino, Pediatrics, Division of Medical Genetics, LABioMed

Omeed Haji-Amiri, Biology
Development of Microsatellite Markers for Evening Primroses (Oenothera; Onagraceae)
Faculty Mentor: Kathryn Theiss, Biology

Ivan Moreno, Biology
Elucidating the Role of CytR in Evolution of Escherichia coli
Faculty Mentor: Karin Kram, Biology

Morgan Brown, Desh Weragoda, Management and Marketing
Does Convenience Have a Place in Politics?
Faculty Mentor: Kirti Celly, Management and Marketing

Karvin Prado, Management and Marketing
Check-out Automation Scan and Go
Faculty Mentor: Kirti Celly, Management and Marketing

Carlos Aguilar, Computer Science
Beware of the Unknown
Faculty Mentor: Mohsen Beheshti, Computer Science

Lindsay Hunt, Special Education
Special Education Strategies: Are General Education Teachers Equipped for Inclusion?
Faculty Mentor: Saili Kulkarni, Special Education

Clayton Rogers-Beckley, Education
The Effect of Specific Praise Plus Tokens and General Praise Plus Tokens
Faculty Mentor: Caron Mellblom-Nishioka, Special Education

Michael Mathenge, Education
Low Student Outcomes and its Relation to Smarter Balanced Assessment Consortium: Teachers Views
Faculty Mentor: Anthony Normore, Education

Marco Carreon, Education
Electronic Dance Music and Education
Faculty Mentor: Caron Mellblom-Nishioka, Special Education

Jacy Gustafson, Orthotics and Prosthetics
How Tennis Shoes and Flip Flops Affect Temporal Spatial Data
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Lorraine Blas De Vera, Taylor Park, Kinesiology
Does Self-Myofascial Release With a Foam Roll Change Pressure Pain Threshold of the Ipsilateral Lower Extremity Antagonist and Contralateral Muscle Groups? An Exploratory Study
Faculty Mentor: Scott Cheatham, Kinesiology

Taylor Park, Lorraine Blas De Vera, Kinesiology
Comparison of a Video-Guided, Live-Instructed, and Self-Guided Foam Roll Intervention on Knee Joint Range of Motion and Pressure Pain Threshold: A Randomized Controlled Trial
Faculty Mentor: Scott Cheatham, Kinesiology

Angel Spooner, Orthotics Prosthetics
The Influence of Sole Rigidity in Simulated Barefoot Goit Center of Pressure
Faculty Mentor: Julie Werner, Orthotics and Prosthetics
Travis Young, Orthotics and Prosthetics
Effects of Arm Swing During Gait
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Michael Lewenfus, Orthotics and Prosthetics
Normative Backward Walking Data
In Graduate School Students
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Victoria Brech, Orthotics and Prosthetics
How Cadence and Center of Pressure are Affected by Prosthetic Cast Weight
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Lonnica Johnson, Orthotics and Prosthetics
Division of Attention During Dual-Tasks: Effects of Unfamiliar Texting Technology on Cautious Gait.
Faculty Mentor: Mark Muller, Orthotics and Prosthetics

Colin Benelli, Orthotics and Prosthetics
Analysis of Temporal Spatial Step Symmetry in Persons with Trans-tibial Amputation
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Francisco Bautista, Biology
Combination Therapies for Bacterial Biofilm Infections
Faculty Mentor: Lin Lin, Infectious Diseases, LABioMed

Sheva Saif, Chemistry
Protection of Ne-amino Group for Selective Reaction of Acetyl Chloride and Histone Peptide
Faculty Mentor: Tieli Wang, Chemistry

Sinnetti Elderpiper, Interdisciplinary Studies
Life Without the Possibility of Parole LWOP
Faculty Mentor: Vivian Price, Interdisciplinary Studies

Chad Thomas, Biology
NMR Methods in the Structure Elucidation of Bioactive Alkaloids from Mostuea brunonis
Faculty Mentor: Patrick Still, Chemistry

Nolan Luevano, Earth Science
Studying the Spatial Distribution of Freshwater Springs On Catalina Island Using Geospatial Technologies
Faculty Mentor: Michael Ferris, Earth Science

Tracy Nguyen, Biology
Patch and vegetative variables as predictive factors for avian diversity and population in urbanized areas
Faculty Mentor: John Thomlinson, Biology
Roundtable Session I — LSU 113

Evening Session: 6:00 pm – 7:15 pm

Steven Jackson, Sociology
*Reflections on Incorporating Criminology courses into Middle and High Schools*
Faculty Mentor: Jeb Middlebrook, Sociology

Pilar Vella, Negotiation, Conflict Resolution, and Peacebuilding
*Runaway and Homeless Youth (RHY) Who Identify as LGBTQ+ in Los Angeles County and the Resources provided to them*
Faculty Mentor: Margaret Manning, Negotiation, Conflict Resolution, and Peacebuilding

Victoria Udall, Management and Marketing
*Exploring the Reasoning Behind Why Working Holiday-Makers Choose to Travel to Australia*
Faculty Mentor: Natasa Christodoulidou, Management and Marketing

Brenda Custodio, Management and Marketing
*BIO-POEM: Herb Kelleher*
Faculty Mentor: Gary Polk, Management and Marketing

Jessica Parmar, Special Education
*Culturally and Linguistically Diverse Student and Family Perspectives on AAC Devices*
Faculty Mentor: Saili Kulkarni, Special Education

Emily Coviello, Health Sciences
*Application of Social Network Analysis to the Family Context*
Faculty Mentor: Enrique Ortega, Health Science

Kimberly Cortez, Chicana/o Studies
*Community Coalition: A Gold Mine for Community Cultural Wealth*
Faculty Mentor: Marisela Chavez, Chicana/o Studies

Joanna Plascencia, Asian Pacific Studies
*Addressing the Asian Minority Myth*
Faculty Mentor: Mary Lacanlale, Asian Pacific Studies
Thursday, February 16 Presentations

Behavioral and Social Sciences II — LSU 320
Morning Session: 9:00 am – 11:50 am

9:00–9:20  Luis Candelario, Earth Science (Geography)
*Vernacular Architecture*
Faculty Mentor: Ralph Saunders, Earth Science

9:20–9:40  Ivett Gabriella, Psychology
*Physical Activity and Alcohol Use Among Older College Students*
Faculty Mentor: Carl Sneed, Psychology

9:40–10:00 Lilian Azer, Psychology
*Smoking Mediates High Blood Pressure and Cognitive Decline*
Faculty Mentor: Karen Wilson, Psychology

10:00–10:20 Lilian Azer, Psychology
*Tobacco Use Mediates Social Economic Status and Cognitive Decline*
Faculty Mentor: Karen Wilson, Psychology

10:20–10:30 COFFEE BREAK

10:30–10:50 Melissa Tolosa, Sociology
*Spatial Struggles of Latino Street Vendors in Los Angeles County*
Faculty Mentor: Katy Pinto, Sociology

10:50–11:10 Carla Redmon, Aimee Fabila, Nicole Trejo, Psychology
*The Good Social Life: How Social Support and Gratitude Support Mental Health in Teens*
Faculty Mentor: Giacomo Bono, Psychology

11:10–11:30 Esmeralda Cabrera, Sociology
*Latino Paternal Alcohol Effects on College Students*
Faculty Mentor: Matt G. Mutchler, Sociology

11:30–11:50 Joshua Lozano, Psychology
*Investigating the Long-Term Memory Benefits of Cued Recall vs. Recognition Tests*
Faculty Mentor: Larry Rosen, Psychology
Behavioral and Social Sciences III — Ballroom B

Morning Session: 9:00 am – 11:50 am

9:00–9:20 Jonathan Pedroza, Psychology
The Effects of Media and Technology Use on Psychological Well-Being Independent of Health Habits.
Faculty Mentor: Larry Rosen, Psychology

9:20–9:40 Amanda Hawk-McFadzen, Sociology
Food Access and its Impact on Healthy Eating in California
Faculty Mentor: Kelin Li, Sociology

9:40–10:00 Gabriela Peraza, Alejandro Armenta, Human Services
Culturally Sensitive Mental Health Care for Vietnamese Older Adults: A Qualitative Study of Mental Health Providers’ Perspective
Faculty Mentor: Hannah Nguyen, Human Services

10:00–10:20 Jose Franco, Psychology
Prevalence of Depression: Associated with Usage Patterns of Technology and Social Media among Latinos
Faculty Mentor: L. Mark Carrier, Psychology

10:20–10:30 COFFEE BREAK

10:30–10:50 Alejandra Regla Vargas, Chicana and Chicano Studies
Amigas Chingonas: Friendships and School Integration for Undocumented Immigrant Latina College Students
Faculty Mentor: Corina Benavides Lopez, Chicana and Chicano Studies

10:50–11:10 Jonathan Pedroza, Psychology
Pokémon GO and Meet People. Examination of Technology’s Effect on Physical Activity and Social Connectedness.
Faculty Mentor: Larry Rosen, Psychology

11:10–11:30 Ian Klinger, Sociology
Completing the Master's Degree: The Effect of Student Satisfaction With Advisors on Time to Degree (TTD)
Faculty Mentor: Katy Pinto, Sociology

11:30–11:50 Venita Polonio, Georgiana Garrels, Psychology
Thriving or Merely Surviving?
Faculty Mentor: Steven Frieze, Psychology
Creative Arts II — LSU 328

Morning Session: 9:00 am – 11:50 am

9:00–9:20  Bryan Bostic, Digital Media Arts
Prejudice PSA
Faculty Mentor: George Vinovich, Digital Media Arts

9:20–9:40  John Gonzales, Jon Domingo, Cynthia Gutierrez, Digital Media Arts
"The Watermen"
Faculty Mentor: George Vinovich, Digital Media Arts

9:40–10:00 Nicholas Thompson, Uriel Murillo, Digital Media Arts
"Texting & Driving"
Faculty Mentor: George Vinovich, Digital Media Arts

10:00–10:20 Nicholas Thompson, Joseph Garcia, Bryan Bostic, Digital Media Arts
"Battle Foam: The Art of Larping"
Faculty Mentor: George Vinovich, Digital Media Arts

10:20–10:30 COFFEE BREAK

10:30–10:50 Joseph Garcia, Abdulla Alsuwaidi, Digital Media Arts
Suicide Prevention
Faculty Mentor: George Vinovich, Digital Media Arts

10:50–11:10 Ruben Bautista, Karina Illescas, Abdulla Al-Suwaidi, Digital Media Arts
The Queens
Faculty Mentor: George Vinovich, Digital Media Arts

11:10–11:30 Ruben Bautista, Jonathan Domingo, Digital Media Arts
Just Like Mommy PSA
Faculty Mentor: George Vinovich, Digital Media Arts

11:30–11:50 Omar Solorio, Art and Design
Jeff Koons and Postmodernism
Faculty Mentor: Kirstin Ellsworth, Art and Design
Health, Nutrition, and Clinical Science II — LSU 324-325

Morning Session: 9:00 am – 11:50 am

9:00–9:20  Edy Wong, Rochelle Paz, Niloo Yazdinian, Occupational Therapy
Fathering a Child with Autism: A Multiple Case Study
Faculty Mentor: Claudia Peyton, Occupational Therapy

9:20–9:40  Kaylynn Esguerra, Jazmin Bolduc, Occupational Therapy
Understanding How Female Survivors of Sex Trafficking Perceive Returning to the Typical Work Environment
Faculty Mentor: Claudia Peyton, Occupational Therapy

9:40–10:00  Samantha Chow, Ashley Carey, Aileen Chau, Sherilyn Chau, Occupational Therapy
Occupational Changes After Death of a Long-Term Spouse: The Widow’s Experience
Faculty Mentor: Claudia Peyton, Occupational Therapy

10:00–10:20  Erin Besinque, Samantha Gruen, Robyn Cho, Elisa Becker, Occupational Therapy
Gynecological Health and Spinal Cord Injury
Faculty Mentor: Claudia Peyton, Occupational Therapy

10:20–10:30  COFFEE BREAK

10:30–10:50  Kristina Steinbruner, Princess Reyes, Stacey Tsuboi, Occupational Therapy
A Phenomenological Study on the Lived Experiences of Having a Sibling with a Mental Illness
Faculty Mentor: Claudia Peyton, Occupational Therapy

10:50–11:10  Annette Lopez, Maya Lazar, Rachel Miles, Occupational Therapy
The Lived Experience of Occupational Deprivation and Reintegration from the Perspective of Formerly Incarcerated Individuals
Faculty Mentor: Claudia Peyton, Occupational Therapy

11:10–11:30  Yemesrach Zewdie, Stephanie Portillo, Kai Yamamoto, Occupational Therapy
Understanding Light Care Residents’ Decision to Stay in Skilled Nursing Facilities
Faculty Mentor: Claudia Peyton, Occupational Therapy

11:30–11:50  Lauren Schick, Christina Trieu, Michelle Yoo, Occupational Therapy
Occupational Therapy Assistant / Occupational Therapist Collaboration: A Phenomenology
Faculty Mentor: Claudia Peyton, Occupational Therapy
Health, Nutrition, and Clinical Science III —
LSU 326-327

Morning Session: 9:00 am – 11:30 am

9:00–9:20  Jeshua Avila, Kavin Fatehchand, Shalini Guatam, Giovanna Merchand, Nate Buteyn, Jonathan P. Butchar, Susheela Tridandapani, Chemistry
Interferon Beta and Interferon Alpha Differentiate Acute Myeloid Leukemia Cells
Faculty Mentor: Susheela Tridandapani, Internal Medicine (The Ohio State University)

9:20–9:40  Merrily Kester, Rachel Moore, Evie Jiang, Occupational Therapy
Occupational Therapists’ Perceptions of Service Provision in End-of-Life Care
Faculty Mentor: Claudia Peyton, Occupational Therapy

9:40–10:00  Betsy Cunningham, Lee Hasson, Briana Gonzalez, Occupational Therapy
Caring Touch: An Occupational Therapist’s Perspective
Faculty Mentor: Claudia Peyton, Occupational Therapy

10:00–10:20  Lauren Walker, Tessa Siu, Derek Wong, Occupational Therapy
Fantasies of Escape: A Chronological Narrative of Sex Trafficked Women
Faculty Mentor: Claudia Peyton, Occupational Therapy

10:20–10:30  COFFEE BREAK

10:30–10:50  Robert Villalpando, Lauren Wederich, Occupational Therapy
Stroke Survivors’ Perceptions of Their Neuromuscular Electrical Stimulation Treatment: A Phenomenology
Faculty Mentor: Claudia Peyton, Occupational Therapy

10:50–11:10  Emily Herren, Molly Lynch, Tricia Mimaki, Occupational Therapy
The Experiences of Mothers Living in Transitional Housing: A Photovoice Study
Faculty Mentor: Claudia Peyton, Occupational Therapy

11:10–11:30  Natalia Hartoonian, Nursing
Do Stroke Patients Receive Recommended Physical Activity in Rehabilitation Units?
Faculty Mentor: Terri Ares, Nursing
Humanities and Letters I — Ballroom C

Morning Session: 9:00 am – 11:10 am

9:00–10:20 WOMEN’S STUDIES PANEL

9:00–9:20 Antonio Mendoza, Computer Science
The Spicy Latina Trope
Faculty Mentor: Carolina San Juan, Women’s Studies

9:20–9:40 Caitlin Bartlett, Negotiation, Conflict Resolution and Peacebuilding
Perpetuating Patriarchy: An Examination of the Growing Gender Disparity Between Traditional and Non-Conforming Artists at Alternative Music Festivals
Faculty Mentor: Carolina San Juan, Women’s Studies

9:40–10:00 Matthew Dlouhy, Public Relations
Carl’s Jr. And Pornography
Faculty Mentor: Carolina San Juan, Women’s Studies

10:00–10:20 Robyn Manrique, Psychology
Harley Quinn and the Joker: The Ideal Relationship Paradox
Faculty Mentor: Carolina San Juan, Women’s Studies

10:20–10:30 COFFEE BREAK

10:30–10:50 Paloma Duran, English
It’s About Bloody Time
Faculty Mentor: Vanessa Wenzell, English

10:50–11:10 Kimberly Miller, English
When Civil Rights Fell out of Fashion: Charting the Impact of Civil Rights Era Language on American English
Faculty Mentor: Ed Zoerner, English
Humanities and Letters II — LSU 130

Morning Session: 9:00 am – 11:50 am

9:00–9:20  Aurora Lara, History
The Sandinista Revolution as Ignition for Social Movements
Faculty Mentor: Laura Talamante, History

9:20–9:40  Stephanie Metoyer, Negotiation, Conflict Resolution and Peacebuilding
Trust the System: The Truth about Wrongful Convictions in the United States
Faculty Mentor: Margret Manning, Negotiation, Conflict Resolution and Peacebuilding

9:40–10:00  Jade Harvey, Literature
A Question of Literary Agency in the Slave Narrative
Faculty Mentor: Helen Oesterheld, English

10:00–10:20  Charlotte Rodriguez, Interdisciplinary Studies
What Exactly is the Electoral College and Why Was it Preferred Over Direct Voting?
Faculty Mentor: Vivian Price, Interdisciplinary Studies

10:20–10:30  COFFEE BREAK

10:30–10:50  Lawrence Ramirez, Art and Design
Significant Possessions: Altered States of Consciousness in Yoruba Masquerades
Faculty Mentor: Kirstin Ellsworth, Art and Design

10:50–11:10  Ashlee Papillion, English
Reality’s Looking Glass and The Price of Ignorance: The Rhetoric of Enslavement in Jonathan Swift and Sarah Scott
Faculty Mentor: Helen Oesterheld, English

11:10–11:30  Shonte Clayton, English
Let the World be Your Oyster: Visions of Utopia in Sarah Scott’s Millenium Hall and The History of Sir George Ellison
Faculty Mentor: Helen Oesterheld, English

11:30–11:50  Yesenia Flores, Negotiation, Conflict Resolution and Peacebuilding
Homelessness in Santa Ana: The Ugly Truth of Orange County
Faculty Mentor: Margaret Manning, Negotiation, Conflict Resolution, and Peacebuilding
Physical and Mathematical Sciences — LSU 323

Morning Session: 9:00 am – 10:20 am

9:00–9:20 Hector Salgado, Mathematics
*Numbers That Cannot be Written as a Difference of Harmonic Numbers*
Faculty Mentor: Serban Raianu, Mathematics

9:20–9:40 Natalia da Silva, Hector Salgado, Mathematics
*Numbers That Can be Written as Differences of Harmonic Numbers*
Faculty Mentor: Serban Raianu, Mathematics

9:40–10:00 Amauri Tapia, Physics
*Elastic Lambda-proton Scattering in CLAS*
Faculty Mentor: John Price, Physics

10:00–10:20 Adrianna Perez, Physics
*Gas Clumps and Stellar Clusters in Merging Galaxies using FIRE*
Faculty Mentor: John Price, Physics
Poster Session II — Ballroom A
Morning Session: 9:30 am – 11:30 am

Soumia Bouallou, Psychology
Positive Psychology: Correlation of Gratitude, High Social Support, and Conscientiousness
Faculty Mentor: Nancy Melucci, Psychology

Emily Rose, San Diego, Karina Aguilar, Psychology
The Relationship Between Social Support and Pain in Patients with Rheumatologic Disease: A Systematic Review Using PRISMA Guidelines
Faculty Mentor: Erin Merz, Psychology

Octavio Ramirez, Interdisciplinary Studies
Cultivating Healthy Communities
Faculty Mentor: Anne Choi, Interdisciplinary Studies

Ivett Gabriella, Psychology
Prosocial Behavior as a Protective Factor From Alcohol Abuse
Faculty Mentor: Carl Sneed, Psychology

Walter Daniel Lopez, DeShun Johnson, Psychology
The Influence of Bilingualism on Executive Functioning and Language Performance
Faculty Mentor: Tara Victor, Psychology

Julia Solis, Anthropology
Lost in translation: Medical Errors Created From Miscommunication Between Patients and Their Medical Providers Due to Language Barriers
Faculty Mentor: Susan Needham, Anthropology

Thalia Cuellar, Leopres Federre, Amanda Propker, Dominque James, Psychology
Effects of gender stereotypes on perceptions of competence and gender accordence in relation to gender typed occupations.
Faculty Mentor: Silvia Santos, Psychology

Toinys Williams, Jonathan Adams, Guadalupe Gonzalez, Anthropology
Keeping Khmer Culture
Faculty Mentor: Susan Needham, Anthropology

Maria Nava, Biology
Acetylation of Amino Acid Residues
Faculty Mentor: Tilly Wang, Chemistry

Nikkie Nguyen, Caithlyn Torres, Cheyenne Luna, Public Administration
Name Discrimination in the Hiring Process
Faculty Mentor: Zheng Yang, Public Administration

Anyi Wang, Computer Science
Cost-constrained Data Movement Over Dedicated Channels of High Performance Networks
Faculty Mentor: Liudong Zuo, Computer Science

David Coles-Perez, Education
Integrated Technology Reduces Boredom and Negative Attitudes
Faculty Mentor: Anthony Normore, Education

Dystinee Scott, Education
Technology Use In the Classroom
Faculty Mentor: Anthony Normore, Graduate Studies in Education

Jodi Aguilar, Liberal Studies
Creativity, Curiosity, and Cultural Relevance: Catalina’s Exploration of Digital Storytelling
Faculty Mentor: Jen Stacy, Liberal Studies

Tina Lachck, Orthotics and Prosthetics
The Effects of Carrying a Dual Strap Backpack Over Both Shoulders
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Nicholas Bennett, Orthotics and Prosthetics
Changes in Temporospatial Gait Parameters at Different Freely Selected Walking Speeds
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Christopher Kemp, Orthotics and Prosthetics
Asymmetrical Gait in Able-bodied Individuals
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Alexandria Tucker, Biology
Presence of Dual-Specific Phosphatase 9 Leads to Suppression of ERK 1/2 Activity in Breast Cancer Cell Lines
Faculty Mentor: Shehla Pervin, Endocrinology Department (Charles Drew University)
Rochelle Paz, Occupational Therapy
Attention to Objects and Relations in Children with Autism Spectrum Disorder
Faculty Mentor: Yan-hua Huang, Occupational Therapy

Joel Avalos, Hugo Duran, Angel Roman, English
Humanity’s Impact on the World
Faculty Mentor: Jerry Moore, Anthropology

Toinye Williams, Anthropology
Negative Ads
Faculty Mentor: Vivian Price, Interdisciplinary Studies

Elizabeth Wilkinson, Nursing
Teaching Hand Expression During Prenatal Care to Prepare for Breastfeeding Beyond 3 Months
Faculty Mentor: Linda Goldman, Nursing

Elizabeth Wilkinson, Nursing
Increasing Community Health Services to Underserved populations provided by Advanced Practice Student Nurses through The Song Brown Scholarship Program
Faculty Mentor: Linda Goldman, Nursing

Ashley Martinez, Bianca Martin, Sociology
Naming Behavior in the Los Angeles Latino Community
Faculty Mentor: Miguel Dominguez, Modern Languages

Francisco Gonzalez, Earth Science
The Role of Hydraulic Fracturing (“fracking”) in Increased Seismicity in Oklahoma
Faculty Mentor: Brendan McNulty, Earth Science and Geography

Candace Teran, Child Development
Cross Cultural Differences in Perception Among Japanese, Caucasian, and Hispanic Preschoolers
Faculty Mentor: Megumi Kuwabara, Child Development
Roundtable II — LSU 113

Morning Session: 9:00 am – 10:15 am

Cecilia Preza, Psychology
Are Parents Monitoring or Spying on Their Adolescent?
Faculty Mentor: Carl Sneed, Psychology

Joel Avalos, Hugo Duran, English
The Fight Against Homelessness
Faculty Mentor: Andrew Kalaidjian, English

George Nnoli, Special Education
Investigating the Effects of Fights on Lesson Delivery and Student Learning in a Juvenile Correctional Setting
Faculty Mentor: Saili Kulkarni, Special Education

Mischa Finch, Interdisciplinary Studies
Why believe in E.T.?
Faculty Mentor: Ann Choi, Interdisciplinary Studies

Salvador Hernandez, Public Administration
The Art Coalition: Restorative Justice Programming Through Music, Art, and Literature
Faculty Mentor: Jennifer Sumner, Public Administration

Kiyana Hendrix, Public Administration
Police-Community Relations in Watts
Faculty Mentor: Jennifer Sumner, Public Administration

Toinye Williams, Anthropology
Adolescents Abuse Addiction
Faculty Mentor: Sarah Taylor, Anthropology
Student Research Day Lunch

Thursday, February 16, 2017
Ballroom C: 12:00 noon – 1:50 pm

PROGRAM

Welcome
Dr. Dorota Huizinga
Dean of Graduate Studies and Research

Opening Remarks
Dr. Rodrick Hay
Interim Provost and Vice President, Academic Affairs

CSUDH Student Dance Performance

Keynote Speech
Jessie Kawata, Jet Propulsion Laboratory
Outside-the-Box Rocket Science: A Unique Trajectory to the Stars

Jessie Kawata is Creative Strategist and Lead Industrial Designer at NASA’s Jet Propulsion Laboratory in Pasadena, California. Her passion for art, science, and sustainability led her to NASA where she helped to pioneer their very first in-house design studio. With a background in product design from ArtCenter College of Design, Jessie has been able to spearhead the integration of design-thinking, creative methodologies, and research strategy into early space mission concepts as Lead Designer in NASA JPL’s Innovation Foundry. In addition, Jessie has led anthropology studies for Kennedy Space Center, research investigations for a NASA drought indicator proposal in support of the National Climate Assessment, co-led an interplanetary mission concept involving high-def cinematography, and is currently working on a mission concept investigation about robots on Venus. When she is not staring into space, Jessie teaches part-time at ArtCenter and loves to sail tall ships with the LA Maritime Institute.

Announcements
Dr. John Price
Chair, Student Research Day Organizing Committee
Biological and Agricultural Sciences II — LSU 323

Afternoon Session: 2:00 pm – 3:50 pm

2:00–2:20  Anthony Caballero, Biology
Characterization of the Nectar Microbiome of Asclepias species
Faculty Mentor: Karin Kram, Biology

2:20–2:40  Erika Lytle, Biology
Using population genetic analyses to distinguish between two morphologically similar species of rush lilies (Hastingsia)
Faculty Mentor: Kathryn Theiss, Biology

2:40–3:00  Keva Williams, Anthropology
New World Plants
Faculty Mentor: Janine Gasco, Anthropology

3:00–3:20  Zuly Negro, Jasmine Lau, Biology
Effects of the Rich Media Environment on Escherichia coli Adaptation
Faculty Mentor: Karin Kram, Biology

3:20–3:30  COFFEE BREAK

3:30–3:50  Joselyn Yamamoto, Maricruz De la Torre, Steven Sanchez, Biology
Investigation of Gene Expression in Zebrafish Skin using In Situ Hybridization
Faculty Mentor: Fang Wang, Biology
## Business, Economics, and Public Administration II — LSU 320

### Afternoon Session: 2:00 pm – 4:50 pm

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenters</th>
<th>Title</th>
<th>Faculty Mentor</th>
</tr>
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<tbody>
<tr>
<td>2:00–2:20</td>
<td>Jasmin Corona, Public Administration</td>
<td><em>The Effect of Exchange Rate Uncertainty on Geographic Diversification of Customers in Global Supply Chain</em></td>
<td>Jian-Yu Ku, Public Administration</td>
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<tr>
<td>2:40–3:00</td>
<td>Hilary Valenova Dayag, Vandeysha Benford, Cale Espinel, Public Administration</td>
<td><em>Conventional or Authentic? Case Studies of Citizen Participation in Local Public Budgeting</em></td>
<td>Rui Sun, Public Administration</td>
</tr>
<tr>
<td>3:00–3:20</td>
<td>Daniel Davidson, Public Administration</td>
<td><em>Old Town Torrance Business Improvement District</em></td>
<td>Fynnwin Prager, Public Administration</td>
</tr>
<tr>
<td>3:20–3:30</td>
<td></td>
<td><strong>COFFEE BREAK</strong></td>
<td></td>
</tr>
<tr>
<td>3:30–3:50</td>
<td>Tenzing Sorbel, Human Resources</td>
<td><em>Can Social Media Increase HR’s Strategic Value in a Corporation?</em></td>
<td>Orie Berezan, Management and Marketing</td>
</tr>
<tr>
<td>3:50–4:10</td>
<td>Nestor Rogel, Public Administration</td>
<td><em>Reviving a Movement</em></td>
<td>Brenda Riddick, Public Administration</td>
</tr>
<tr>
<td>4:10–4:30</td>
<td>Carlos Kattan, Scott Sibley, Monique Powell, Public Administration</td>
<td><em>An Analysis of Los Angeles Unified School District’s Instructional Technology Initiative</em></td>
<td>Fynnwin Prager, Public Administration</td>
</tr>
<tr>
<td>4:30–4:50</td>
<td>Roxana Pleitez, Public Administration</td>
<td><em>Marketization of Public Education</em></td>
<td>Rui Sun, Public Administration</td>
</tr>
</tbody>
</table>
Computer Science II — LSU 326-327

Afternoon Session: 2:00 pm – 4:50 pm

2:00–2:20  Jesus Ayala-Valencia, Computer Science
Emerging Technology
Faculty Mentor: Mohsen Beheshti, Computer Science

2:20–2:40  COFFEE BREAK

2:40–3:00  Daniel Pelzl, Computer Science
Hosting a webserver and professional website on a Raspberry Pi
Faculty Mentor: Mohsen Beheshti, Computer Science

3:00–3:20  Jose Hernandez, Computer Science
Computer Network Security - Attacks & Defenses
Faculty Mentor: Mohsen Beheshti, Computer Science

3:20–3:30  COFFEE BREAK

3:30–3:50  Josue Flores, Computer Science
Password and Wireless Network Penetration
Faculty Mentor: Mohsen Beheshti, Computer Science

3:50–4:10  Kevin Daley, Computer Science
RTMP Video Streaming: Server Tool Development for Accessibility and Efficiency
Faculty Mentor: Mohsen Beheshti, Computer Science

4:10–4:30  Paul Pardew, Computer Science
Attacking and Defending a System
Faculty Mentor: Mohsen Beheshti, Computer Science

4:30–4:50  Nathan Salas, Computer Science
Hunger Genes: A Genetic Algorithm-based Game
Faculty Mentor: Mohsen Beheshti, Computer Science
Creative Arts III — LSU 328

Afternoon Session: 2:00 pm – 3:20 pm

2:00—2:20  Shomari Webster, Theatre and Dance
*The Effect of Cyphers/Sessions on Stress*
Faculty Mentor: Doris Ressl, Theatre and Dance

2:20—2:40  Andrew Paramo, Marcos Conchas, Jessica Garcia, Art and Design
*Know Love: Healthy vs. Abusive Relationships*
Faculty Mentor: Michele Bury, Art and Design

2:40—3:00  Nuria Tellez, Ayisha Price, Tania Perez, Graphic Design
*Against Campus Sexual Assault*
Faculty Mentor: Michele Bury, Art and Design

3:00—3:20  John Frandsen, Christian Jimenez, Jacob Cruz, Art and Design
*Unplugged Technology Addiction Campaign*
Faculty Mentor: Michele Bury, Art and Design
**Education I — LSU 130**

Afternoon Session: 2:00 pm – 4:50 pm

2:00–2:20  Diana Madrigal, Chicana/o Studies  
“Parent Involvement” in Educational Discourse  
Faculty Mentor: Corina Benavides Lopez, Chicana/o Studies

2:20–2:40  Cheryl Creese, Special Education  
The Impact of Re-teaching Basic Math Concepts to Individuals with Intellectual Disabilities using TouchMath strategies to improve ability to Count Money  
Faculty Mentor: Caron Mellblom-Nishioka, Special Education

2:40–3:00  Janet Ibarra, Chicana/o Studies  
Examining the Impact Informal Mentoring has on First-generation Latina/o Community College Transfer Students  
Faculty Mentor: Corina Benavides-Lopez, Chicana/o Studies

3:00–3:20  Magaly Ordonez, Chicana/o Studies  
Critical Pedagogy Honoring Community Cultural Wealth/Ventajas y Conocimiento in Non-Traditional Learning Spaces  
Faculty Mentor: Corina Benavides Lopez, Chicana/o Studies

3:20–3:30  COFFEE BREAK

3:30–3:50  Giselle Salinas, Psychology  
Social Support and Family Involvement for Students with Autism Spectrum Disorder (ASD) in Higher Education  
Faculty Mentor: Phu Phan, Human Services

3:50–4:10  Navia Ramirez Cerda, Education  
Classroom Vibes  
Faculty Mentor: Robert Boyd, Education

4:10–4:30  Kirk Sanchez, Liberal Studies  
Relax: How comfortable are we with technology?  
Faculty Mentor: Carmen Lopez, Liberal Studies

4:30–4:50  Kimberly Cruz, Sociology  
Understanding Graduate Students Experiences in the (CSU) California State Universities Higher Education System  
Faculty Mentor: Katy M. Pinto, Sociology
Health, Nutrition, and Clinical Science IV — Ballroom B

Afternoon Session: 2:00 pm – 3:50 pm

2:00–2:20  Justin Tsan, Christina Kneen, Clinical Science  
*Pre-Analytical Performance Improvement of the AM Rounds Through Phlebotomy Teams*  
Faculty Mentor: Payman Nasr, Clinical Science

2:20–2:40  Alexander Garcia, Clinical Science  
*Preventing the Spread of Methicillin-Resistant Staphylococcus aureus: A Spring 2016 screening of the gym, library, and student center at CSUDH.*  
Faculty Mentor: Payman Nasr, Clinical Science

2:40–3:00  Polin Derbarseghian, Hannah Go, Erlinda Gamboa Nava, Occupational Therapy  
*The Perceptions of Occupational Therapists on Work-Related Injuries*  
Faculty Mentor: Claudia Peyton, Occupational Therapy

3:00–3:20  Claire Morgan, Kailey Makuta, James H. Kim, Occupational Therapy  
*Perceived Effects of Ocean Therapy: A Break from Suffering*  
Faculty Mentor: Claudia Peyton, Occupational Therapy

3:20–3:30  COFFEE BREAK

3:30–3:50  Dianna DeZubiria, Nursing  
*Barriers to Palliative Care in the Emergency Department*  
Faculty Mentor: Terri Ares, Nursing
Humanities and Letters III — LSU 324-325

Afternoon Session: 2:00 pm – 4:50 pm

2:00–2:20  Cecilia Gamino, English
Frankenstein in the Digital Age
Faculty Mentor: Debra Best, English

2:20–2:40  Jennifer Henriquez, English
American [Vampiric] Identity: Redefining Degenerative Symbols in Constructing American Individualism
Faculty Mentor: Jane Lee, English

2:40–3:00  Brenda Bran, English
Beyond the Woman’s Utopia: Articulating Intersectional Advocacy in Sarah Scott’s A Description of Millenium Hall and Grant Morrison’s Wonder Woman: Earth One
Faculty Mentor: Helen Oesterheld, English

3:00–3:20  Julia Sanchez Molina, Negotiation, Conflict Resolution and Peacebuilding
Morocco: How Does Increasing Democratization Impact Terrorism?
Faculty Mentor: Margaret Manning, Negotiation, Conflict Resolution, and Peacebuilding

3:20–3:30  COFFEE BREAK

3:30–3:50  Livia Bongiovanni, English
A Society in Flux: Abhumanism in “Carmilla,” Dracula, and “Shambleau” and the Fin-De-Siècle Gothic Movement Towards Posthumanism
Faculty Mentor: Jane Lee, English

3:50–4:10  Javier Garcia, Humanities
The Tale of Two Cities: Representation of the city in Peter Shaffer’s Amadeus
Faculty Mentor: Lorna Fitzsimmons, Humanities

4:10–4:30  Laura Cisneros, Communications: Media Studies
Sexual Assault Portrayals in Various Television Genres
Faculty Mentor: Sharon Sharp, Communications

4:30–4:50  Jason Khozam, History
The Social Destruction of Authority: The Significance of Social Media in the 2011 Egyptian Revolution
Faculty Mentor: Laura Talamante, History
Poster Session III — Ballroom A
Afternoon Session: 2:00 pm – 4:00 pm

Lucy Horvath, Interdisciplinary Studies
The Effects of Text Messaging on Relationships
Faculty Mentor: Anne Choi, Interdisciplinary Studies

Jessica Miller, Interdisciplinary Studies
Why Women Wear Makeup to Work
Faculty Mentor: Anne Choi, Interdisciplinary Studies

Aislinn O'Leary, Social Work
Attitudes on Older Adults: Cultural Factors and Motivation for Geriatric Social Work
Faculty Mentor: Adriana Aldana, Social Work

Laura Elena Torres, Social Work
Child Welfare and the Conservation of Mixed-Status Families
Faculty Mentor: Adriana Aldana, Social Work

Victor Moreno, Psychology
Self-Verification and Trust within young romantic relationships
Faculty Mentor: John Dulay, Psychology

Jessica Peyton, Negotiation, Conflict Resolution and Peace Building
Empowering Children in Mediation
Faculty Mentor: Brian Jarrett, NCRP

Zuleyma Chavez, Social Work
Voicing how Independent Living Program Services Influence Self-Sufficiency
Faculty Mentor: Adriana Aldana, Social Work

Monica Castaneda, Social Work
The Effects of Gender Socialization on Latina’s Interest and Approach to Child Welfare
Faculty Mentor: Adriana Aldana, Social Work

Kayla Villatoro, Psychology
The Effect of Reference Groups and Prestige on College Students Decision Making
Faculty Mentor: Silvia Santos, Psychology

Melissa Tolosa, Sociology
Exploring Factors that Influence Women to Persist in STEM Master’s Degrees
Faculty Mentor: Katy Pinto, Sociology

Diana Corral, Ted Vinzon, Andrya Salazar, Sociology
Topics Discussed in Support-Based Sexual Health Communication:
Faculty Mentor: Matt G. Mutchler, Sociology

Marysol Aguirre, Sociology
Cease and Desist: Discourses of Eugenics Impacting the Reproductive Rights of Indigenous & Womyn of Color
Faculty Mentor: Gretel Vera-Rosas, Sociology

Pedro Alcaraz-Perea, Biology
Restore Heritage Creek
Faculty Mentor: Brynne Bryan, Biology

Catrina Mendoza, Art and Design
Faculty Mentor: Devon Tsuno, Art and Design

Juan Higareda, Special Education
Transition Teachers’ and Post-Secondary Teachers’ Perspectives of Post-18 Years of Age Education
Faculty Mentor: Caron Mellblom-Nishioka, Special Education

Carissa Hernandez, Special Education
Social Skills and Students with Moderate to Severe Disabilities: Can Community Based Instruction Help?
Faculty Mentor: Saili Kulkarni, Special Education

Jenna Argomaniz, Special Education
Parental Collaboration for a More Inclusive IEP Process
Faculty Mentor: Saili Kulkarni, Special Education

Nawn Chu, Education
Impact of Direct Instruction
Faculty Mentor: Anthony Normore, Education

Mary Spruce, Education
Transformational Leadership and 21st Century Schools
Faculty Mentor: Rene Rosas, Education

Kelly Flores, Education
Measuring Academic Outcomes in a Full Inclusion Setting
Faculty Mentor: Caron Mellblom-Nishioka, Special Education
Hillary Herrington, Education  
*Academic Success for English*  
Faculty Mentor: Anthony Normore, Education

Margaret Ferrell, Education  
*Student Violence against Moderate to Severe Special Education Teachers*  
Faculty Mentor: Anthony Normore, Education

Mario Barajas, History  
*Feminist and Suffragist Fighting Different Battles in the Mexican Revolution 1910-1920*  
Faculty Mentor: Laura Talamante, History

Saied Rihan, Orthotics and Prosthetics  
*Visual Impairment and Stride Length*  
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Matthew Noel, Orthotics and Prosthetics  
*The Effects of Visual Deprivation on Gait of Able Bodied Individuals*  
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Thomas Klein, Orthotics and Prosthetics  
*Induced Leg Length Discrepancy and Stance Symmetry; Cadence*  
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Jesús González, Modern Languages  
*The Phonological Adaptations of Loanwords in Santa Ana Zegache Zapotec*  
Faculty Mentor: Michael Galant, Modern Languages

Conor McGarry, History  
*Cattle and Oil: The Dominguez Family Struggle for Status*  
Faculty Mentor: Doris Namala, History

Luis Pena, Chemistry  
*Using Proteomic Technology to Study the Chlorambucil-RNA Complex for Targeted Cancer Therapy*  
Faculty Mentor: Tieli Wang, Chemistry

Elizabeth Villanueva, Mathematics  
*A Mathematical Model for Examining Trajectory to Mars Using Solar Electric Propulsion*  
Faculty Mentor: George Jennings, Mathematics

Monica Macias, Biology  
*Synthesis and Host-Guest Properties of 2,9-dipyridiniumdibenzo-3,10-oxasuberenone chloride with Cucurbit[n]uril (n=7,8)*  
Faculty Mentor: Arumugam Thangavel, Chemistry

Rachael Urbano, Earth Science  
*Aseismic Ridges as the Cause of Flat Slab Subduction: A Comparison Between Central Peru and Central Chile*  
Faculty Mentor: Brendan McNulty, Earth Science

Justin Hathaway, Chemistry  
*Maker’s Electrochemistry: Building a Low-Cost Potentiostat for Cyclic Voltammetry*  
Faculty Mentor: Barbara Belmont, Chemistry

Hugo Mora, Daniel Coello, Anthony Joseph Gomez Diaz, Biology  
*Histone methylation by Temozolomide in Triple Negative Breast Cancer Cells*  
Faculty Mentor: Tilly Wang, Chemistry

Daniel Coello, Biology  
*Characterization of activating mutations in Janus Tyrosine Kinases, in myeloproliferative neoplasm and angiosarcoma*  
Faculty Mentor: Tilly Wang, Chemistry
Roundtable III — LSU 113

Afternoon Session: 2:00 pm – 3:15 pm

Ronell Lopez, Biology
*Role of Arf6 knockout in host resistance to MDR Acinetobacter infection*
Faculty Mentor: Lin Lin, LABioMed Division of Infectious Disease

Hugo Angel, Interdisciplinary Studies
*Engagement in Corporate Wellness Programs and the Effect of Incentives*
Faculty Mentor: Anne Choi, Interdisciplinary Studies

Edilberto Pasion, Information Systems and Operations Management
*Understanding College Students’ Experience with Job Search Websites*
Faculty Mentor: Nancy Deng, Information Systems and Operations Management

Andrew Wong, Computer Science
*Internet of Things & Security*
Faculty Mentor: Mohsen Beheshti, Computer Science

Nancy Huitzil, Art and Design
*Coloring in the Common Core Standards*
Faculty Mentor: Devon Tsuno, Art and Design

Kendra Krugh, Health Science
*The Use of Kinesio Tape on Influencing Gait Velocity of Able-Bodied Individuals*
Faculty Mentor: Julie Werner, Orthotics and Prosthetics

Karen Carranza, Health Science
*Social Network Analysis in Relation to Sweet Consumption*
Faculty Mentor: Enrique Ortega, Health Science

Shanette Cofield, Health Science
*Maternal Health in Chad*
Faculty Mentor: Archana Sharma, Health Science
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