Celebrating the achievements of SDSU student research, scholarship and creative activity

March 2 and March 3, 2018

Eleventh Annual
Student Research Symposium

A Showcase of Student Discovery and Innovation

San Diego State University
Leadership Starts Here
Eleventh Annual Student Research Symposium

March 2 and March 3, 2018

Celebrating the achievements of San Diego State University students in research, scholarship & creative activity
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<td>Session I: Oral Presentations</td>
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<td>Acknowledgments</td>
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<td>Notes</td>
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</table>
March 2, 2018

Dear colleagues and guests:

Welcome to the 2018 Student Research Symposium at San Diego State University – the 11th year of this university-wide event that highlights the outstanding research and creative endeavors that distinguish SDSU. It is an opportunity to celebrate the innovation, academic scholarship and creativity that our undergraduate and graduate students bring to their research and a forum for sharing their discoveries, insights and performances with a broader audience.

More than 450 students are presenting original work that emerged from academic and creative endeavors across the university. More than 50 awards for excellence will be presented, and 10 students whose entries are judged exceptional will represent SDSU at the annual California State University Student Research Competition in May.

Our dedicated faculty and staff have encouraged students in their research and are coordinating this symposium. More than 200 volunteers from our faculty and staff and the greater San Diego community are sharing their time and expertise to evaluate the oral, poster, exhibit and performance presentations. I am grateful for these efforts, which demonstrate SDSU’s commitment to cutting-edge research and creative endeavors.

I know you will enjoy the symposium and the outstanding collaborative work of our students, faculty and staff. This vibrant exploration of ideas defines us as a leading public research university.

With best regards,

Sally Roush
President

San Diego State University
Dr. Seth Mallios is Professor of Anthropology and Director of the South Coastal Information Center at San Diego State University. An archaeologist, anthropologist, and historian, Professor Mallios received his BA from the University of California, Berkeley and his MA and PhD from the University of Virginia. Dr. Mallios previously served as Site Supervisor at the 1607 James Fort archaeological site in Jamestown, Virginia, the first permanent English settlement in the Americas. Since moving to San Diego in 2001, Professor Mallios has spearheaded six research projects:

- The San Diego Gravestone Project,
- The Lost Murals of San Diego State Project,
- The Nate Harrison Historical Archaeology Project,
- The Whaley House Historical Archaeology Project,
- The San Diego Archaeological Geographic Information System, and
- The Historical Archaeology of Local Rock ‘n’ Roll

He has published nine books, dozens of articles, and garnered nearly $2 million in over 80 extramural grants, contracts, and awards.
**Thursday, March 1, 2018 - Registration**

1:00 pm – 4:00 pm  Registration  Aztec Student Union, Montezuma Lounge

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**Friday, March 2, 2018 - Opening Remarks**

8:30 am – 9:00 am  Sally Roush, President, SDSU Aztec Student Union, Theatre, Room 270

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**Friday, March 2, 2018 - Sessions A & B**

8:00 am – 4:00 pm  Registration  Aztec Student Union, Montezuma Lounge

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Number</th>
<th>Session Type</th>
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# Schedule at a Glance

**Friday, March 2, 2018 - Sessions C, D, E, F & G**

8:00 am – 4:00 pm  
Registration  
Aztec Student Union, Montezuma Lounge

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## Saturday, March 3, 2018 - Sessions H & I

### 8:00 am – 11:00 am Registration
Aztec Student Union, Montezuma Lounge

<table>
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<tr>
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<th>Session Number</th>
<th>Session Type</th>
<th>Session Title</th>
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<td>Oral</td>
<td>Interdisciplinary 15</td>
<td>Templo Mayor</td>
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### 12:30 pm - 1:30 pm Lunch Reception
Goldberg Courtyard

### 2:00 pm - 3:30 pm Keynote and Award Ceremony
Awards will be presented at the Ceremony on Saturday, March 5, to recognize the most outstanding presentations of research, scholarship, and creative activity at the Student Research Symposium. The awards are as follows:

**President's Awards for Research**
President's Awards of $500 will be given to the ten outstanding presentations in discipline-specific categories. Those receiving a President's Award will represent SDSU at the California State University (CSU) Student Research Competition on May 4-5, 2018 at California State University, Sacramento.

**President's Award for the Arts**
A President's Award of $500 will be given to the outstanding presentation in the performance arts or exhibit category.

**Provost's Awards**
Several Provost's Awards ($150) for outstanding poster presentations will be selected from all poster entries shown at the Symposium.

**Dean's Awards**
Dean's Awards of $250 each will be given for oral presentations. Awards will go to the top presentations in each college. One award will go to the top presentation from the Imperial Valley Campus.

**The Charles Wei-hsun Fu Foundation Award for Research in Philosophy**
The Charles Wei-hsun Fu Foundation will award $500 to the best oral presentation in Philosophy.

**Library Awards**
Several awards from the Library of $250 each (both undergraduate and graduate) will be given for the best projects using library resources and collections, including, but not limited to, printed resources, databases, primary resources, and materials in all media.

**Undergraduate Research Excellence Awards**
Several undergraduate research will each receive $150 in recognition of their scholarly achievement. These students will be selected from both oral and poster presentations.

**Outstanding Compact Scholar Researcher Award**
$250 will be awarded to the student with the highest oral or poster presentation score completed by an undergraduate researchers who is also a member of the Compact Scholars Program. Compact Scholar eligibility must be verified before the award is issued.
**Research Awards for Diversity, Inclusion, and Social Justice**

Diversity, social justice, and inclusiveness reflect some of the values at the core of our university mission. Four $250 awards will be presented jointly by the Chief Diversity Officer, the Division of Graduate and Research Affairs, and the Division of Undergraduate Studies for the two best undergraduate and two best graduate student research presentations that exemplify our ongoing commitment to diversity, inclusion, and social justice.

**Women in Engineering Awards**

Two awards will be given for the two best engineering presentation by women.

**Creative and Performing Arts Awards**

In addition to the President’s Award for the Arts, other creative and performing arts awards are under development and will be announced at the event.

**Women in Business Award**

The Fowler College of Business Administration will award $250 to the top business presentation by a woman.

**Future Business Leader Award**

The Fowler College of Business Administration will award $250 to the top presentation in business leadership.

**Sustainability Award**

The Center for regional Sustainability will award $250 to the best sustainability-related presentation.

**A Note About The Awards**

Students receiving one award will not be considered for additional awards unless otherwise specified.
Saturday, March 3, 2018

Reception:
12:00 pm – 1:30 pm, Aztec Student Union, Goldberg Courtyard

Keynote Address and Awards Ceremony:
2:00 – 3:00 pm, Aztec Student Union, Montezuma Hall
Saturday afternoon events are open to all student presenters, mentors, and judges.

Awards Ceremony 2018 Student Research Symposium

Welcome
Keynote Address
Awards*

Undergraduate Research Excellence Awards
Research Awards for Diversity, Inclusion and Social Justice
Philosophy Award
Library Awards
Sustainability Award
Women in Engineering Awards
Awards for Outstanding Creative & Performing Arts
Women in Business Award
Future Business Leader Award
Deans Awards
Provost’s Awards
President’s Awards

Closing Remarks

* Photos will be taken of each recipient as they receive the award.
Group photos will be taken immediately after the ceremony.
Recipients are encouraged to stay for group photos.
Creative Arts Exhibits and Presentations

Friday, March 2, 2018

Sessions F and G

Poster presenters are required to stand by their poster during the entire 1-hour and 30 minute discussion period. Each oral presentation is allotted 10 minutes followed by a 5-minute question and answer period. Participants and guests are asked to enter or leave the rooms only between presentations.
Friday, March 2, 2018
Session F: Creative Arts Exhibits

Session F-1
Exhibit 1
Friday, March 2, 2018, 9:00 am
Location: Montezuma Hall

549  9:00 am  
Microbial Jewelry: Reevaluating Curative Medical Materials as Aesthetic Adornment  
Kelly Temple, Masters of Fine Art (M)

550  9:00 am  
Digital Fiction. Working Title: Surface  
Tina Lumbis, Master in Fine Arts, Creative Writing - Fiction (M)

551  9:00 am  
Chronicles Of A Browned Skinned Girl  
Theresa Palafox, Multicultural Community Counseling and Social Justice (M)

Friday, March 2, 2018
Session G: Creative Arts Presentations

Session G-1
Performance Arts Performance Arts 1
Friday, March 2, 2018, 1:30 pm
Location: Montezuma Theater

552  1:30 pm  
“My Name is Stubbins”: A Children’s Book about Sense of Identity, Separation, and Search  
Sean Coolican, Master of Fine Arts, Creative Writing Fiction (M)

553  1:50 pm  
There Goes War Like a Dream of Love: Directing Trojan Incident in 2018 America  
David Watson, Musical Theatre (M)

114  2:10 pm  
Floss your Nerves: The Back-Line Posterior Chain in Belting  
Kimberly Moller, Musical Theatre Performance (M)
Oral Presentations

Friday, March 2, 2018
Sessions A, B, C and D

Saturday, March 3, 2018
Sessions H and I

Poster presenters are required to stand by their poster during the entire 1-hour and 30 minute discussion period. Each oral presentation is allotted 10 minutes followed by a 5-minute question and answer period. Participants and guests are asked to enter or leave the rooms only between presentations.
Friday, March 2, 2018
Session A: Oral Presentations

Session A-1
Oral Behavior and Social Sciences 1
Friday, March 2, 2018, 9:00 am
Location: Pride Suite

100 9:00 am
What factors are associated with good oral hygiene among Mexican migrant adolescents?
Haileigh Smith, Public Health (U)

101 9:15 am
What factors are associated with psychological distress among Mexican migrant adolescents?
Kylie Carolino, Public Health (U)

102 9:30 am
The association of awareness of legal rights to language services and access to timely health care in California
Emily Brown, Public Health - Social Work (M)

103 9:45 am
Provider-Patient Interactions in Latino Children's Pediatric Primary Care
Alma Behar, Public Health (D)

104 10:00 am
Extra-familial social factors and obesity in the Hispanic Community Children's Health Study/Study of Latino Youth
Julia Bravin, Clinical Psychology (D)

105 10:15 am
The Gender Composition of Injection Drug Use Initiator-Initiate Relationships across Three North American Settings: A Mixed Methods Study
Stephanie Meyers, Interdisciplinary Research on Substance Use (D)

Session A-2
Oral Interdisciplinary 1
Friday, March 2, 2018, 9:00 am
Location: Park Boulevard

106 9:00 am
Financial Impact of Cyber Security Breaches on Stock Holders
Dhaha Nur, Management Information Systems (U)

107 9:15 am
Consulting Project for IQ Graphics
Jeremiah Taylor, Business Administration, Real Estate (U)

108 9:30 am
Turn Your Research Paper into a Graphic Novel: Multimedia Platforms and Education
Ana Aguila, Master of Arts in Liberal Arts & Sciences (M)

109 9:45 am
Applications of in-Situ Fluorescence Sensors for Tracking Wastewater Inputs to Surface Waters
Lorelay Mendoza, Environmental Engineering (U)

110 10:00 am
Transforming Healthcare Through the Internet of Things and Artificial Intelligence
Lambert Ninteman, Computer Science (M)

111 10:15 am
Body Enrichment
Andrea Roberts, Business Management with Specialization in Entrepreneurship (U)

Session A-3
Oral Visual and Performance Arts 1
Friday, March 2, 2018, 9:00 am
Location: Tehuanco

112 9:00 am
Black Rope
Oliver Sage Foley, English (U)

113 9:15 am
Shakespeare as a Guest on the Japanese Stage: Pop Culture, Performance, and the Takarazuka Revue
Yi-Lin Chung, Theatre Arts (M)
Session A-4
Oral Interdisciplinary 2
Friday, March 2, 2018, 9:00 am
Location: Aztlan
117  9:00 am
Analysis of Deep Brain Signals
Susan Deeb, Applied Mathematics (M)

118  9:15 am
HIV/AIDS and Gender-Based Violence in Contemporary Zambia
Chase Whittaker, Public Health and Political Science (U)

119  9:30 am
The CSU's Perspective on Food Insecurity
Valeria Ramirez, Public Administration and Latin American Studies (M)

120  9:45 am
Farmer Adaptations to Water Availability Dynamics in the Mexicali Valley
Joel Kramer, Geography, Watershed Science (M)

121  10:00 am
3D Visualisation of Human Brain
Yogesh Kohli, Computer Science (M)

122  10:15 am
Collegiate Gaming Communities (CGCs)
Kevin Garrie, Postsecondary Educational Leadership - Student Affairs (M)

Session A-5
Oral Education 1
Friday, March 2, 2018, 9:00 am
Location: Metztli
123  9:00 am
 Persisting in Community College: Latinos and their motivation to succeed
Anthony Mota, Communication (U)

124  9:15 am
PRISM: Promoting Representation in STEM Majors
Vanessa Reynolds, International Business with an emphasis on France and Western Europe (U)

125  9:30 am
Men of Colour at Community College: Using Film Based Ethnographies to Visualise Student Experiences
Polly Card, Education (D)

126  9:45 am
Phenomenological Perspective of Middle Eastern & Central Asian Female Immigrants in Community College
Hossna Sadat, Educational Leadership (D)

127  10:00 am
Queer Students in STEM: The Voices of Amber, Charles, Jenny and Juan
Matthew Voigt, Mathematics and Science Education (D)

Session A-6
Oral Physical and Mathematical Sciences 1
Friday, March 2, 2018, 9:00 am
Location: Templo Mayor
128  9:00 am
Computational Analysis of C4H3 Radical Isomers and its Reactions with CO, HCN, and C2H4
Jade Johnson, Chemistry (U)

129  9:15 am
Spin Conical Intersections and High-Spin Stability in Small Hydrocarbons
Harrison Pearce, Chemical Physics (U)

130  9:30 am
Quantification of Metal Complexation Capacity by a Fertilizing Humic Substance
Jaclyn Pittman, Environmental Sciences (U)
131 9:45 am
Enhancement of Silicon Solar Cells via the Attachment of Silver Nanoparticles
Martha Zepeda Torres, Chemistry (D)

132 10:00 am
Self-sustaining Microbial Photoelectrosynthesis for Fuel Generation and Waste Water Cleaning!
Nicholas Williams, Chemistry (D)

Session A-7
Oral Humanities 1
Friday, March 2, 2018, 9:00 am
Location: Visionary Suite

133 9:00 am
Deconstructing the Pillars of Memory: Gender, Memory and the Rwandan Genocide
Joshua Melendez, History (M)

134 9:15 am
Identification by Transitive Property: Intermediated Consubstantiality in the NFL’s Salute to Service Campaign
Eli Mangold, Communication (M)

135 9:30 am
Changes in the Bay: Topics of Police Brutality in the Bay Area
Ricardo Scheller, History (M)

136 9:45 am
Sputnik: A Shock to U.S. Diplomatic Efforts
Stephen Dichiera, History (M)

137 10:00 am
The Committee of Correspondence: Women in American Politics and International Relations, 1952-1969
Amanda Schumaker, History (M)

138 10:15 am
Nerves of Steel in the Apocalypse: The changing roles of polygamous women in an end times crisis
Stephanie Griswold, History (M)

139 10:30 am
Si Dios Quiere… Y Si No Quiere También. If God Wants… and If He Doesn’t Too.
Zoraida Payne, History (M)

Session A-8
Oral Behavior and Social Sciences 2
Friday, March 2, 2018, 9:00 am
Location: Legacy Suite

140 9:00 am
Reducing Skin Cancer Risk Behaviors via Facial Morphing
Manuel Gonzales, Psychology (U)

141 9:15 am
Prevalence and Predictors of Body Dysorphic Disorder Among Gay and Bisexual Males
Adoril Oshana, Industrial and Organizational Psychology (U)

142 9:30 am
Body Image Disturbance as Mechanism of Change in Cognitive Behavioral Therapy for Body Image and Self-Care on ART Adherence among Sexual Minority Men Living with HIV
Kelsey Nogg, Psychology (M)

143 9:45 am
The Association between Religiosity and Health Risk Behaviors among Latino Sexual Minority Men
Kalina Lamb, Psychology (M)

144 10:00 am
Appearance Concerns and Lung Cancer Risk among Sexual Minority Latino Men
Kaitlin Rozzell, Psychology (M)

145 10:15 am
Appearance Investment, Appearance Evaluation, and Sexual Risk among Latino Sexual Minority Men
John Brady, Clinical Psychology (D)
## Student Research Symposium 2018
### Session B: Oral Presentations

#### Session B-1
**Oral Physical and Mathematical Sciences 4**

**Friday, March 2, 2018, 11:00 am**

**Location:** Pride Suite

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00</td>
<td>A VLT/FORS2 Narrowband Imaging Search for MgII Emission Around z~0.7 Galaxies</td>
<td>Ryan Rickards Vaught, Astronomy (M)</td>
</tr>
<tr>
<td>11:15</td>
<td>Precisely Determining the Age of the Star Cluster NGC 752 Using an Eclipsing Binary</td>
<td>Andrew Buckner, Astronomy (U)</td>
</tr>
<tr>
<td>11:30</td>
<td>Testing a “Red Nova” Hypothesis with Vulcan Data</td>
<td>Quentin Socia, Astronomy (M)</td>
</tr>
<tr>
<td>11:45</td>
<td>Late-Holocene Earthquakes on the Rose Canyon Fault at Old Town-San Diego, CA</td>
<td>Drake Singleton, Geophysics (D)</td>
</tr>
<tr>
<td>12:00</td>
<td>Kinematic analysis of Neogene and Quaternary faults in the Santa Rosalia Basin along the margin of the Gulf of California, Baja California Sur, Mexico</td>
<td>Luke Johnson, Geology (U)</td>
</tr>
<tr>
<td>12:15</td>
<td>Measuring late Quaternary uplift rates of marine terraces using high-resolution Chirp sub-bottom data, Northern Channel Islands, California, USA</td>
<td>Alexander Laws, Geological Sciences (M)</td>
</tr>
</tbody>
</table>

#### Session B-2
**Oral Interdisciplinary 4**

**Friday, March 2, 2018, 11:00 am**

**Location:** Park Boulevard

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00</td>
<td>Military Transition Expectations Pertaining to Education</td>
<td>Colin McCarthy, Psychology (U)</td>
</tr>
<tr>
<td>11:15</td>
<td>An Exploration of Colormuteness in Genders and Sexualities Alliances (GSAs) in Massachusetts High Schools</td>
<td>Amanda Pham, Public Health (M)</td>
</tr>
<tr>
<td>11:30</td>
<td>Kānaka Maoli in Higher Education</td>
<td>Bree Kalima, Postsecondary Educational Leadership - Student Affairs (M)</td>
</tr>
<tr>
<td>11:45</td>
<td>Exploring Systemic Factors of White Spaces Within Education Institutions and the Role of the School Counselor</td>
<td>Heidi van Mastrigt, Counseling (M)</td>
</tr>
<tr>
<td>12:00</td>
<td>Equitable educational opportunities for system impacted Latino males</td>
<td>Melissa Abeyta, Education - Community College Leadership (D)</td>
</tr>
<tr>
<td>12:15</td>
<td>Early Childhood Plays: The Impact of Microaggressions on Black Children</td>
<td>Darielle Blevins, Education (D)</td>
</tr>
</tbody>
</table>

#### Session B-3
**Oral Humanities 2**

**Friday, March 2, 2018, 11:00 am**

**Location:** Tehuano

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00</td>
<td>This Body is (Not) Mine: Social Dependency of Identity and Autonomy</td>
<td>Samuel Padilla, Philosophy (U)</td>
</tr>
<tr>
<td>11:30</td>
<td>The Termination Thesis: Is the corpse left behind after death still you?</td>
<td>Tawny Whaley, Philosophy/Psychology (U)</td>
</tr>
<tr>
<td>11:45</td>
<td>Foundations of Cognitive States</td>
<td>Jake Manalansan, Philosophy (M)</td>
</tr>
<tr>
<td>12:00</td>
<td>Indigenous groups in Mexican newspapers: Recurrent themes and word associations</td>
<td>Julia Vasquez, Spanish (M)</td>
</tr>
</tbody>
</table>
Please silence your cell phones and other devices.
(U) = Undergraduate; (M) = Masters; (D) = Doctoral

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<thead>
<tr>
<th>Time</th>
<th>Session B-4</th>
<th>Session B-5</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:15 pm</td>
<td><strong>211</strong> “Film as Analogous to Dream”: Susanne K. Langer's Philosophy of Film</td>
<td><strong>218</strong> 11:00 am Effect of Metamorphosis on Nutrient Composition of Edible Insects Diana Laura Vergara Rodriguez, Food Science &amp; Nutrition (U)</td>
</tr>
<tr>
<td></td>
<td>Sean Tracy, Philosophy (M)</td>
<td><strong>219</strong> 11:15 am Toys for Diversity: Intersectional Dolls and Narratives Highlighting the LGBTQIA+ Perspective of Early Gender Education Evelyn Puga, Communication (U)</td>
</tr>
<tr>
<td>11:15 am</td>
<td><strong>212</strong> Exploring Cultural Identity Construction and Language Practice(s) of Asian Americans Wonyoung Cho, Education (D)</td>
<td><strong>221</strong> 11:45 am Fitbit Charge HR VO2 Max Validation Study Katharine Dizaye, Nutritional Science and Exercise Physiology (M)</td>
</tr>
<tr>
<td></td>
<td><strong>213</strong> 11:00 am Chrysalis Science: Skin Cancer Prevention and Detection</td>
<td><strong>224</strong> 11:00 am Calculating Consistency Kyle Foley, Philosophy (M)</td>
</tr>
<tr>
<td></td>
<td>Allison Langley, Computer Engineering (U)</td>
<td><strong>225</strong> 11:15 am Why must the Philosopher King be Compelled to Rule? Kayla Beard, Philosophy (U)</td>
</tr>
<tr>
<td>11:15 am</td>
<td><strong>214</strong> Analytical tool to efficiently compare metagenome sequences</td>
<td><strong>226</strong> 11:30 am The Conception of Theoria Ashley Sears, Philosophy (U)</td>
</tr>
<tr>
<td></td>
<td>Byron Garcia, Computer Science (U)</td>
<td><strong>227</strong> 11:45 pm sôphrosýnê Adam Crawley, Philosophy (M)</td>
</tr>
<tr>
<td>11:30 am</td>
<td><strong>215</strong> Characterization of low-velocity impact damage in sandwich panels</td>
<td><strong>228</strong> 12:00 pm Spinoza: an ethics of logic Rutger Hadge, Philosophy (M)</td>
</tr>
<tr>
<td></td>
<td>Adrian Rivera, Aerospace Engineering (U)</td>
<td><strong>229</strong> 12:15 pm Heritage Language Development in Spanish-Speaking Toddlers: Identifying Early Predictors Cristy Sotomayor, Language and Communicative Disorders (D)</td>
</tr>
<tr>
<td>11:45 am</td>
<td><strong>216</strong> Optimization of Solar Tower Receiver Philip Hoskinson, Mechanical Engineering (M)</td>
<td><strong>230</strong> 12:15 pm Socrates and the Virtue of Courage Adam Crawley, Philosophy (M)</td>
</tr>
<tr>
<td>12:00 pm</td>
<td><strong>217</strong> Graph Inference Method for finding Cortical Connectivity in Primates using ECoG Signals Siddhi Tavildar, Computational Science (D)</td>
<td><strong>231</strong> 12:15 pm Aristotle: a politics of virtue Adam Crawley, Philosophy (M)</td>
</tr>
</tbody>
</table>

**Session B-5**

**Oral Interdisciplinary 5**

**Friday, March 2, 2018, 11:00 am**

**Location:** Metztli

<table>
<thead>
<tr>
<th>Time</th>
<th>Session B-5</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00 am</td>
<td><strong>218</strong> Effect of Metamorphosis on Nutrient Composition of Edible Insects Diana Laura Vergara Rodriguez, Food Science &amp; Nutrition (U)</td>
</tr>
<tr>
<td>11:15 am</td>
<td><strong>219</strong> 11:15 am Toys for Diversity: Intersectional Dolls and Narratives Highlighting the LGBTQIA+ Perspective of Early Gender Education Evelyn Puga, Communication (U)</td>
</tr>
<tr>
<td>11:30 am</td>
<td><strong>220</strong> 11:30 am Effects of Psychology Knowledge on Auditory Hindsight Bias Ian Martindale, Psychology (U)</td>
</tr>
<tr>
<td>11:45 am</td>
<td><strong>221</strong> 11:45 am Fitbit Charge HR VO2 Max Validation Study Katharine Dizaye, Nutritional Science and Exercise Physiology (M)</td>
</tr>
<tr>
<td>12:00 pm</td>
<td><strong>222</strong> 12:00 pm Acrophobic? Let's walk the plank Mason Hearn, Physical Therapy (D)</td>
</tr>
<tr>
<td>12:15 pm</td>
<td><strong>223</strong> 12:15 pm Heritage Language Development in Spanish-Speaking Toddlers: Identifying Early Predictors Cristy Sotomayor, Language and Communicative Disorders (D)</td>
</tr>
<tr>
<td>12:15 pm</td>
<td><strong>224</strong> 12:15 pm Spinoza: an ethics of logic Rutger Hadge, Philosophy (M)</td>
</tr>
</tbody>
</table>
229  12:15 pm
The Distinction Between Plato and Aristotle’s Bipartition of the Soul
Tiffany Harrington, Philosophy (M)

Session B-7
Oral Behavior and Social Sciences 6
Friday, March 2, 2018, 11:00 am
Location: Visionary Suite

328  11:00 am
Application of the UN-Toolkit to Shape Climate Mitigation and Adaptation Strategies in Lemon Grove, CA, USA
Victoria Lawless, Public Health (U)

231  11:15 am
Welcome to my pity party: Stigma surrounding juvenile delinquents and their mothers
Briana Magallanes, Psychology (U)

232  11:30 am
Identify formation, engagement, and access to support in HIV care among women living with HIV/AIDS
Briana Thrift, Master of Public Health - Epidemiology (M)

233  11:45 am
Pre-Post Change in Knowledge about HIV Care among Family Medicine Residents Participating in an Educational Rotation
Daniel Chambers, Health Management & Policy (M)

234  12:00 pm
Effects of Sleep Quality on Cognitive Function in HIV+ and HIV- Adults
Zanjbeel Mahmood, Clinical Psychology - Neuropsychology (D)

Session B-8
Oral Biological and Agricultural 2
Friday, March 2, 2018, 11:00 am
Location: Legacy Suite

235  11:00 am
An F-box leucine-rich repeat-2 homolog is essential for stem cell proliferation in the planarian Schmidtea mediterranea
Celeste Romero, Cellular - Molecular Biology (U)

236  11:15 am
Analyzing the Evolution, in Humans, of crAssphage: A Highly Abundant Bacteriophage Found Around the Globe
Holly Norman, Microbiology-Clinical Laboratory Science and Public Health (U)

237  11:30 am
Competition between two dominant Southern California salt marsh plants
Gabriel Greenberg-Pines, Biology (U)

238  11:45 am
The use of signature genes and motifs to improve annotations of viruses
Dnyanada Pande, Bioinformatics - Medical Informatics (M)

239  12:00 pm
Machine Learning Approach: Estimating Abundance of a Viral Bacteriophage Family in Metagenomes
Beverly Hom, Bioinformatics (M)

240  12:15 pm
Unraveling metabolism network models of kelp-associated bacteria
Daniel Cuevas, Computational Science (D)

Friday, March 2, 2018
Session C: Oral Presentations
Session C-1
Oral Interdisciplinary 8
Friday, March 2, 2018, 1:00 pm
Location: Pride Suite

292  1:00 pm
The design of new antibacterial drugs against GTP cyclohydrolase IB (GCYH-IB)
George Samaan, Chemistry (D)

293  1:15 pm
Discovery Of Potent Nucleoside Analogue Prodrug Targeting the RNA-Depended RNA Polymerase of the Zika Virus
Michael Coste, Organic Chemistry (D)
Please silence your cell phones and other devices.  
(U) = Undergraduate; (M) = Masters; (D) = Doctoral

294 1:30 pm  
Synthesis of New HCV IRES Ligands  
Kevin Walsworth, Chemistry (D)

295 1:45 pm  
Structural Optimization of RET Kinase Inhibitors  
Sean Toenjes, Chemistry (D)

296 2:00 pm  
Characterization of the Receptor Tyrosine Kinase Tie2  
Madison Kennedy, Biochemistry (U)

Session C-2  
Oral Interdisciplinary 9  
Friday, March 2, 2018, 1:00 pm  
Location: Park Boulevard

297 1:00 pm  
Combined Alcohol and Cannabinoid Exposure during late Gestation Alters Motor Coordination in Rats  
Ivette Gonzalez, Psychology (U)

298 1:15 pm  
LGBT Usage  
Mikayla Borchin, Public Health (U)

299 1:30 pm  
Neural Correlates of Response Inhibition and Error Processing in Binge Drinkers  
Austin Alderson Myers, Psychology (M)

300 1:45 pm  
Exploratory Study of Stigma as a Predictor of Poor Patient Communication Among Binational HIV-Positive Latinos in the U.S.-Mexico Border Region  
Victor Magana, Interdisciplinary Research on Substance Use (D)

301 2:15 pm  
Alcohol-Related Social Media Data as a Proxy for Alcohol Consumption Behaviors in San Diego  
Charles Marks, Interdisciplinary Research on Substance Use (D)

302 2:30 pm  
It is hard to hold your horses when drunk: Modulation of neural oscillatory dynamics of response inhibition by alcohol and dopamine availability  
Joseph Happer, Clinical Psychology (D)

Session C-3  
Oral Biological and Agricultural 4  
Friday, March 2, 2018, 1:00 pm  
Location: Tehuanco

303 1:00 pm  
Characterizing 2C10: An Anti-Double Stranded DNA Antibody  
Citlali Villaseñor, Biochemistry (U)

304 1:15 pm  
SNAPc Interacts with Bdp1 to Establish a Stable Protein-DNA Complex with TBP on a U6 snRNA Gene Promoter  
Angela Wolfe, Biochemistry (U)

305 1:30 pm  
Probing UNC-45:Hsp83 protein interactions in vitro  
Sara Torres Robles, Chemistry - Biochemistry (U)

306 1:45 pm  
The Role of pH and Reductive Carboxylation in IDH Driven Cancers  
Adam Grunseth, Biochemistry (M)

307 2:00 pm  
Expression And Purification Of The Antigen Binding Fragment Of The Genomically-encoded Precursor to the Murine Anti-sphingosine-1-phosphate Metalloantibody Antibody In E. coli and Insect Cells  
Elinaz Farokhi, Chemistry (D)

Session C-4  
Oral Behavior and Social Sciences 10  
Friday, March 2, 2018, 1:00 pm  
Location: Aztlan

308 1:00 pm  
Rohingyan Women’s Experience as Refugees  
Doreann Wiley, International Security and Conflict Resolution (U)

309 1:15 pm  
Lost Promise: The AKP, Erdogan and the decline of the Turkish Democracy  
Mustafa Alemi, Political Science (U)
The Impact of the 2016 Presidential Election on Discussions of Race, Ethnicity, and Immigration in High School Genders and Sexualities Alliances
Caitlyn Downing, Sociology & Lesbian, Gay, Bisexual, and Transgender Studies (U)

Peril at the Polls: Examining the Impact of Women's Groups on Mitigating Electoral Violence in Senegal
Madelyn Hughes, Sociology/Political Science (U)

The Intersection of Gender and Campaign Finance in Local Elections
Rose Rastbaf, Political Science, History (U)

An Analysis of Langa, Cape Town's Representation by Local Newspapers
Chelsey Crowne, Journalism (U)

Roman Empire: Fall or Transformation
Declan Krebs, History (U)

The Transformation of the Roman Empire
Hamid Kolahdouz-Isfahani, History (U)

Christianity and the Fall of the Roman Empire
Sohel Bahjat, History (U)

A portrait of Ireland as The Sean-Bhean Bhocht
Jordan Rafferty, English Literature (U)

Viking Houses, Romanesque Churches, and Gothic Towers: Contemporary Ideas of the Middle Ages Seen Through the Architecture in The Lord of the Rings
Katie Waltman, History (M)

“I should have been born a man”: The Paradox of Female Power in HBO’s Game of Thrones
Aditi Joshi, History (M)

Session C-5
Oral Humanities 4
Friday, March 2, 2018, 1:00 pm
Location: Metztli

Session C-6
Oral Engineering and Computer Science 4
Friday, March 2, 2018, 1:00 pm
Location: Templo Mayor

A Magnetoresistive Sensor Array for Nonintrusive Power Consumption Monitoring
Shane Witsell, Electrical Engineering (U)

Cancer Stem Cell Separation by Immunohistochemical Methods in Microfluidics Platform
Chuka Esiobu, Bioengineering (M)

Rare Cell Trapping using Microfluidics Platform with Integrated Micro-vortex and Size Exclusion Features
Ygnacio Rodriguez, Bioengineering (M)

Design and Fabrication of Microfluidic Platform for Cell separation by Acoustophoresis
William Millar, Mechanical Engineerin (M)

A quantitative assessment of S/D ratio for the detection of LVAD pump thrombus in a mock circulatory loop
Ricardo Montes, Bioengineering - Biomechanics (M)

The interaction of cardiac geometry and LVAD inflow cannula diameter on the flow dynamics of the LVAD-assisted heart
Saniya Salim, Bioengineering (M)
Please silence your cell phones and other devices.
(U) = Undergraduate; (M) = Masters; (D) = Doctoral

Session C-7
Oral Behavior and Social Sciences 11
Friday, March 2, 2018, 1:00 pm
Location: Visionary Suite

326 1:00 pm
Indoor Air Nicotine in a Casino Pre and Post Smoking Ban
Victoria Flores, Environmental Division (M)

327 1:15 pm
Early Life Adversity and Access to Specialty Care
Brittnie Bloom, Global Public Health (D)

230 1:30 pm
The Not So Trivial Pursuit of Trivia Night: An Ethnographic Study of Performing Competition
Laura Horton, Communication (U)

329 1:45 pm
Language growth predicts executive function in low SES bilingual children
Jonathan Robinson Anthony, Language & Communicative Disorders (D)

330 2:00 pm
The importance of porphyrin antennae in blue light bacterial suppression
Brianna Morrow, Psychology (U)

331 2:15 pm
Comparing Spontaneous and Task-related Neural Oscillations in Young Adult Binge Drinkers
Rifqi Affan, Psychology (U)

Session C-8
Oral Behavior and Social Sciences 12
Friday, March 2, 2018, 1:00 pm
Location: Legacy Suite

332 1:00 pm
Associations between Urban-Rural Environment in Early Adulthood and Cognitive Ability in Late Midlife
Asad Beck, Psychology (U)

333 1:15 pm
Association of Depressive and Anxiety Symptoms with Poor Oral Health Status Among a Community Sample of Adult Dental Patients
Sarah Porras, Social Work - Public Health (M)

334 1:30 pm
A Social Ecological Analysis of the Intersection between Food Insecurity and Eating Pathology
Elizabeth Harris, Social Work & Public Health (M)

335 1:45 pm
Low-frequency oscillations in postural sway scale with dual tasking and fall-risk in older adults.
Hedaya Rizeq, Kinesiology, Applied Movement Sciences (M)

336 2:00 pm
Worry & Odor Memory in Apolipoprotein-ε4 Carriers
Jacquelyn Szajer, Clinical Psychology (D)

Friday, March 2, 2018
Session D: Oral Presentations

Session D-1
Oral Physical and Mathematical Sciences 10
Friday, March 2, 2018, 3:00 pm
Location: Pride Suite

392 3:00 pm
An Alkylative Atroposelective Dynamic Kinetic Resolution of Diaryl Ether Naphthoquinones
Andrew Dinh, Chemistry (D)

393 3:15 pm
Atroposelective Dynamic Kinetic Resolution of Aryl-Naphthoquinones
Sean Maddox, Organic Chemistry (D)

394 3:30 pm
Studying the Fundamental Nature of Stereoselective VMAR’s for Improving the Construction of Complex Natural Products
Monny Singh, Chemistry (D)

395 3:45 pm
Bifunctional Ligands in Organometallic Catalysis
Braden Silva, Chemistry (D)

396 4:00 pm
Mechanically Induced pyrogallol[4]arene Hexamer Assembly in the Solid State
Cesar Garcia, Chemistry (U)
Session D-2

Oral Humanities 5
Friday, March 2, 2018, 3:00 pm
Location: Park Boulevard

397 3:00 pm
The W.I.T.C.Hing Hour
Jade Connolly-Cepurac, History - Political Science (U)

398 3:15 pm
Medusa’s Laughter
Mary “Katie” Chestnut, English (U)

399 3:30 pm
Networks of Power: Diversity Programming and Depictions of the Black Family in New Millennial Television
John Gove, History (M)

400 3:45 pm
“If You Are a Dreamer...”: White Space as an Invitation in Shel Silverstein’s Work
Anni Perheentupa Mackey, English (M)

401 4:00 pm
The Eighth Year at Hogwarts: Putting Rainbow Rowell's Carry On In Conversation With The Harry Potter Series and Its Fanfiction
Sequoia Stone, English (M)

402 4:15 pm
The Gender Pronoun Debate: Appealing to Offensiphobia for an Answer
Thomas Gustafson, Philosophy (M)

Session D-3

Oral Interdisciplinary 11
Friday, March 2, 2018, 3:00 pm
Location: Tehuanco

403 3:00 pm
Picture-Word Interference in Bimodal Bilinguals
Megan Mott, Psychology (M)

404 3:15 pm
Cultural Match, Language Match, and Parent-Child Functional Impairment Evaluations
Raymond La, Psychology (M)

405 3:30 pm
Characteristics of English- and Spanish-Speaking Mother-Child Engagement During Free Play
Allyson Masters, Psychology (M)

406 3:45 pm
Alcohol Use Disparities among Lesbian, Bisexual and Heterosexual Women Ages 14-64 in the Nurses' Health Study II
Megan Webb-Morgan, Public Health Epidemiology (M)

407 4:00 pm
An exploratory study of mental health and substance abuse among at-risk indigenous youth in Yucatán, México
Kayla Mulholland, Social Work (M)

408 4:15 pm
Health Characteristics of Competitive Collegiate Dancers
Cheyenne Smith, Physical Therapy (D)

Session D-4

Oral Engineering and Computer Science 9
Friday, March 2, 2018, 3:00 pm
Location: Aztlan

409 3:00 pm
Microstructural Characterization of Ultraviolet Exposed Polyurea
Mohammed Atif Shaik, Mechanical Engineering (M)

410 3:15 pm
Leveraging Resonance for Amplitude Amplification in Polyurea-based Polymer-Polymer Composites
Brian Wang, Mechanical Engineering (M)

411 3:30 pm
Synthesis and Characterization of Polyurea Microspheres
Sophia Do, Bioengineering - Biomaterials (M)

412 3:45 pm
A 3D Printed Microstrip Patch Phased Array Antenna with Beamforming Network
Azzam Tabbal, Electrical Engineering (M)

413 4:00 pm
Comparative Design of 60GHz Antenna structure in HTCC and LTCC
Tyler Reid, Electrical Engineering (M)
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ORAL PRESENTATIONS

Session D-5

Oral Physical and Mathematical Sciences 11
Friday, March 2, 2018, 3:00 pm
Location: Metztli

414 4:15 pm
Wide scan circular polarized multi-beam antenna for 5G communication
Ila Agnihotri, Engineering Sciences (D)

415 3:00 pm
Detection of Double Strand Breaks in Linear Bacterial Artificial Chromosome DNA Due to Ionizing Radiation Dose
Ashley Matsushita, Medical Physics (M)

416 3:15 pm
Substituent Effects Maximize the Brightness of New Fluorescent Cytidine Analogues
Katrina Ngo, Chemistry (U)

417 3:30 pm
A DFT Investigation of Ruthenium Catalyzed Conversion of 1-pentene to (E)/(Z)-2-pentene
Jacob Hirschi, Chemistry (U)

418 3:45 pm
Work Towards the Total Synthesis of Angiogenesis Inhibitor Azaspirene
Paul Smith, Chemistry (M)

419 4:00 pm
Atroposelective Synthesis of Diaryl Ether Naphthoquinones
Ryan Noorbehesht, Chemistry (M)

420 4:15 pm
Electron Poor Bifunctional Ligands and their Metal Complexes
Daniel Sattler, Chemistry (D)

Session D-6

Oral Behavior and Social Sciences 13
Friday, March 2, 2018, 3:00 pm
Location: Templo Mayor

421 3:00 pm
Living out of the box; an autoethnographic tale of imposterness
Chasejamison Manar-Spears, Sociology (U)

422 3:15 pm
The Importance of Social Capital in Microfinance, A Case Study from Rural Uganda
Katherine Nager, Political Science (M)

423 3:30 pm
The Process of Reclaiming Straub: An Autoethnographic Exploration of Father and Daughter Relationship in the Ku Klux Klan
Kendra Straub, Communication (M)

424 3:45 pm
Assessing Neighborhood Conditions Using Google Earth Engine and Google Street View
Chi-Feng Yen, GIScience (M)

425 4:00 pm
Gentrification and Social Media: A new approach to integrate culture and economy in gentrification
Chanwoo Jin, Geography (D)

601 4:15 pm
An Examination of the Relationship Between Childhood Trauma Exposure, Juvenile Delinquency, and Attention-Deficit Hyperactive Disorder
Tara Montgomery, Psychology (U)

Session D-7

Oral Biological and Agricultural 7
Friday, March 2, 2018, 3:00 pm
Location: Visionary Suite

426 3:00 pm
Anthropogenic debris consumption by wetland fishes
Ricardo DeSantiago, Environmental Sciences (U)

427 3:15 pm
Plant Community Composition Determines Sediment Biogeochemistry in a Southern California Salt Marsh
Wendi White, Biology - Ecology (U)

428 3:30 pm
Biochemical Warfare: coevolution of venom and venom resistance among rattlesnakes and mammal prey
Kelly Robinson, Ecology (M)

429 3:45 pm
Do predators regulate urchin populations on southern California rocky reefs?
Robert Dunn, Ecology (D)
Saturday, March 3, 2018
Session H: Oral Presentations

Session H-1
Oral Biological and Agricultural 12
Saturday, March 3, 2018, 9:00 am
Location: Pride Suite

554  9:00 am
Cis-regulatory Analysis of the Ciona Robust Pou4 Gene
Tiffany Hoang, Biology, Cellular - Molecular Biology (U)

555  9:15 am
MARCH-mediated Post-Translational Regulation of the Hepatocyte Growth Factor Receptor
Jesus Ortiz, Biology (U)

556  9:30 am
Modeling pharmacodynamics on HIV latent infection in the face of antiretroviral resistance
Maya Weissman, Cellular - Molecular Biology (U)

557  9:45 am
Elucidation of UNC-45 function using FRET
Abdallah Ashour, Biology (U)

558  10:15 am
The first demonstration of EMAST, a biomarker for aggressive human colorectal cancer, in a mouse model of disease
Jennifer Luu, Biochemistry (U)

559  10:30 am
Pan-genome Analysis of Mycobacterium Tuberculosis Clinical Strains
Norman Kuo, Bioinformatics (M)

Session H-2
Oral Behavior and Social Sciences 20
Saturday, March 3, 2018, 9:00 am
Location: Park Boulevard

560  9:00 am
Atypical sensory processing in toddlers with autism spectrum disorders
Ellyn Pueschel, Psychology (U)
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561 9:15 am  
Functional overconnectivity between sensory processing networks in children with autism spectrum disorders 
Ellyn Pueschel, Psychology (U)

562 9:30 am  
EEG Resting State Analysis of Fibromyalgia Patients 
David White, Psychology (U)

563 9:45 am  
Spanish/English Bilingual Processing of Cognates, False Cognates, and Noncognates: An EEG Study 
Jamie Renna, Psychology (M)

564 10:00 am  
Aberrant Reward Processing in Adolescent Irritability 
Maria Kryza-Lacombe, Clinical Psychology (D)

565 10:15 am  
Local Gyrification Abnormalities in Middle-Aged Adults with Autism Spectrum Disorders 
Jiwandeep Kohli, Clinical Psychology (D)

Session H-3

Oral Humanities 6  
Saturday, March 3, 2018, 9:00 am  
Location: Tehuanco

566 9:00 am  
Feminism from Within: Ancient Chinese Wisdom Traditions as the Foundation for Contemporary Chinese Women to Embrace Modern Femininity and Gender Equality 
Hannah Morrison, International Business - Chinese & Asian Studies (U)

567 9:15 am  
The Gulf War Did Not Take Place (In Hollywood) 
Andrea Alvarado, History and English (U)

568 9:30 am  
“And Then You Destroy Yourself” Richard Nixon, Othering, Race, and Gender 
Derek Bell, History (M)

569 9:45 am  
The Cold War Congo 
Aliyah Beiruti, History (M)

570 10:00 am  
Rhetorical Insights into Islamic Feminism 
Marwa Abdalla, Communication (M)

571 10:15 am  
Distorting Mirrors: A Creative Exploration of the Value of Queer Dystopias 
C. Brooke Petersen, Creative Writing - Poetry (M)

Session H-4

Oral Engineering and Computer Science 11  
Saturday, March 3, 2018, 9:00 am  
Location: Aztlan

572 9:00 am  
Effect of Biofilm Formation on Biodegradable Organic Matter During Ultrafiltration 
Anita Sanchez, Environmental Engineering (U)

573 9:15 am  
Resource Recovery from Wastewater – the Use of Secondary Effluent for Algal Biomass Cultivation 
Daniel Delgado, Environmental Engineering (U)

574 9:30 am  
Process Development for Microfabrication of Scaled-up Glassy Carbon Electrodes and their In-Vitro Characterization 
Surabhi Nimbalkar, Bioengineering (M)

575 9:45 am  
Novel MEMS Pattern Transfer Technology for Origami-Styled 3D Integrated Intracortical/Epicortical Neural Probes 
Claudia Cea, Bioengineering (M)

576 10:00 am  
Surface Structure Modifications of Glassy Carbon Microelectrodes for Improved Electrochemical Detection of Serotonin 
Christopher Deutschman, Mechanical Engineering (U)

577 10:15 am  
Fabrication & in-vitro characterization of flexible microelectrode array for spinal cord stimulation 
Brinda Kodira Cariappa, Bioengineering (M)
### Session H-5
**Oral Humanities 7**
**Saturday, March 3, 2018, 9:00 am**
Location: Metztli

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00</td>
<td>Untangling Arguments about Ergotism and the Salem Witch Trials - Network Analysis</td>
<td>Annie Farrington, History (U)</td>
</tr>
<tr>
<td>9:15</td>
<td>The Ghost Dance Movement of 1890: Past and Present Perspectives</td>
<td>Morgan Webber, History (U)</td>
</tr>
<tr>
<td>9:30</td>
<td>History, Identification, and Significance of Buttons at the Nate Harrison Site</td>
<td>Shannon Farnsworth, Anthropology -History (U)</td>
</tr>
<tr>
<td>9:45</td>
<td>Transitioning Subsistence Patterns, Meat Preservation and the Nate Harrison Site</td>
<td>Leah Halls, Anthropology (U)</td>
</tr>
<tr>
<td>10:00</td>
<td>Whose Jerusalem: The evolution of a religious city into a political hot topic.</td>
<td>S. L. Kay, History (M)</td>
</tr>
<tr>
<td>10:15</td>
<td>Stereotypes on the Margins of the California Gold Rush</td>
<td>Eric Johnson, History (M)</td>
</tr>
</tbody>
</table>

### Session H-6
**Oral Behavior and Social Sciences 21**
**Saturday, March 3, 2018, 11:00 am**
Location: Pride Suite

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00</td>
<td>Border corruption along the United States Border</td>
<td>Moises Cardenas, Public Administration (U)</td>
</tr>
<tr>
<td>9:15</td>
<td>Resident Perceptions of Neighborhood Safety within the San Diego Promise Zone</td>
<td>Sabrina Hua, Criminal Justice (U)</td>
</tr>
<tr>
<td>9:30</td>
<td>Health Consequences of Sentencing Disparities in the U.S. Criminal Justice System</td>
<td>Alejandro Contreras, Criminal Justice (U)</td>
</tr>
<tr>
<td>9:45</td>
<td>Bus Passes, Bullets, Handcuffs &amp; Hugs: Voices of Parole Agents in a Time of Correctional Realignment</td>
<td>Laura Murray, Criminal Justice/Sociology (U)</td>
</tr>
<tr>
<td>10:00</td>
<td>Police Officers' Narrative of the Meaning of Race and Place</td>
<td>R. Christine Montgomery, Criminal Justice - Criminology (M)</td>
</tr>
<tr>
<td>10:15</td>
<td>Who deserves to stay? A study of immigrants and their opinions on deportation</td>
<td>Doria Hernandez, Criminal Justice - Criminology (M)</td>
</tr>
</tbody>
</table>

### Saturday, March 3, 2018
**Session I: Oral Presentations**

#### Session I-1
**Oral Engineering and Computer Science 12**
**Saturday, March 3, 2018, 11:00 am**
Location: Pride Suite

<table>
<thead>
<tr>
<th>Time</th>
<th>Presentation Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:00</td>
<td>Real-time IP-Based Monitoring of Effects of Extreme Environment on Performance of Organic Solar Cells (OSC) - Case Study</td>
<td>Mihir Patki, Mechanical Engineering (M)</td>
</tr>
<tr>
<td>11:15</td>
<td>Quasi-Static and Dynamic Performance of Polymeric Foam</td>
<td>Nathan Reed, Mechanical Engineering (M)</td>
</tr>
<tr>
<td>11:30</td>
<td>Measurement of high temperatures in premixed flames using two-color soot pyrometry with a consumer DSLR camera</td>
<td>Shruthi Dasappa, Mechanical Engineering (D)</td>
</tr>
</tbody>
</table>
Session I-2

Oral Humanities 8
Saturday, March 3, 2018, 11:00 am
Location: Park Boulevard

11:00 am
We Shall Overcome: The Fight for African-American Equality in 1960’s San Diego
Nicholas Parker, History (U)

11:15 am
Robert F. Williams: Armed Self Defense and the Black Freedom Struggle
Cassandra Tanks, History (U)

11:30 am
La Chinesca: Mexicali’s Chinatown and Chinese Community
Neida Venegas, History/Spanish (U)

11:45 am
Prominent Hydraulic Projects Propelled by an Engineering Debacle in the Imperial Valley
Melissa Fierro Nunez, History (U)

12:00 pm
Lining the All-American Canal: The Transnational Consequences of American Conservation
Maral Sapari, History (U)

Session I-3

Oral Behavior and Social Sciences 22
Saturday, March 3, 2018, 11:00 am
Location: Tehuanco

11:15 am
Externalities of Video Games Consumption
Robert Simpson, Economics - Quantitate Analysis (U)

11:30 am
An exploratory study of sexual violence correlates using Campus Climate Survey of Sexual Violence data
Luis Darwin Avalos, Psychology (U)

11:45 am
Analysis of the Saudi Arabian Domestic Abuse Regulation of 2013
Evgeny Kukharev, ISCOR (U)

12:00 pm
I was just joking: An inquiry of the use of humor during disclosure of self-directed violence
Nathaniel Rogers, Health Communication (U)

Session I-4

Oral Biological and Agricultural 13
Saturday, March 3, 2018, 11:00 am
Location: Aztlan

11:00 am
Anti-predator behaviors of the banded gecko (Coleonyx variegatus)
Jennifer Hammond, Biology (U)

11:15 am
How rostrum temperature can affect the molecular pathway of infrared detection in C. oreganus
Donna Tiu, Biology - Zoology (U)

11:30 am
Crotalus oreganus helleri are able to detect thermal contrasts
Robert Cattell, Biology - Zoology (U)
The Effects of Acetylcholine Modulation During Influenza Infection in the Murine Lung
Alex Horkowitz, Cell - Molecular Biology (M)

Total evidence parsimony analysis of the extinct river dolphin genus Parapontoporia
Bridget Borce, Evolutionary Biology (M)

An Injected bacterial effector protein directly induces larval to juvenile development in marine invertebrate
Kyle Malter, Cell - Molecular Biology (D)

Structural Determinism Hinders Renal Transplantation Equity Among African Americans
Zakkiyya West, Political Science and Africana Studies (U)

Cancer Knowledge and Cancer Fatalism in the Deaf Community
Marcelo Nieto, Public Health (M)

Factors Associated with Adaptive and Maladaptive Coping in Female Adolescent and Young Adult Cancer Survivors

"I was either excluded and prevented from doing what I was good at": An Investigation into the Alienated LGBT Negotiating Marginalization in the Workplace
Dacheng Zhang, Communication (M)

LGBT+ Young Adults: Stigma and Coping Methods
Chhandara Put, Social Work (M)

Socioeconomic adversity, social resources, and allostatic load: Results from the Study of Latino Youth (SOL Youth)
Kimberly Savin, Clinical Psychology (D)

Session I-5
Oral Behavior and Social Sciences 23
Saturday, March 3, 2018, 11:00 am
Location: Metztli

Session I-6
Oral Interdisciplinary 15
Saturday, March 3, 2018, 11:00 am
Location: Templo Mayor

Projected Hartree-Fock with an External Field
Joseph Millar, Physics (U)

GEANT4 Based Monte Carlo Characterization of 3-D Lyso Scintillation Crystal Array for Future use in Emission Tomography
Robert Wilson, Medical Physics (M)

"Meta-Sweeper: A Machine Learning Based Approach For Metagenomes to Reveal the Hidden Value in Human ‘Junk’ DNA"
Kellie Kim, Bioinformatics - Medical Informatics (M)

Development and validity of an algorithm to classify mammogram results using cancer registry-linked transactional electronic health record data
Purva Jain, Epidemiology (D)

Let’s talk about secs: Gender differences in distracted driving
Hedaya Rizeq, Kinesiology - Movement Sciences (M)

Communicating Pain: How Gender Identity Influences Self-Disclosure and Pain Tolerance during the Cold Pressor Task
Chelsea Chapman, Communication (M)

Latina Mothers Speak: A Comparative Analysis of Motherhood Experiences in the Tijuana/San Diego Border/lands
Sarai Godoy, Chicana and Chicano Studies (M)
Poster Presentations

Friday, March 2, 2018

Sessions A, B, C, D and E

Poster presenters are required to stand by their poster during the entire 1-hour and 30 minute discussion period. Each oral presentation is allotted 10 minutes followed by a 5-minute question and answer period. Participants and guests are asked to enter or leave the rooms only between presentations.
### Friday, March 2, 2018

#### Session A: Poster Presentations

**Session A-9**

**Poster Physical and Mathematical Sciences 2**

**Friday, March 2, 2018, 9:00 am**

Location: Montezuma Hall

146 9:00 am  
**A**  
Design of Stapled Peptides targeting CHP-NHE-1 Protein-Protein Interaction  
Faith Aynekulu, Chemistry (U)

147 9:00 am  
**B**  
Structural Optimization of RET Kinase Inhibitors  
Valeria Garcia, Biochemistry (U)

148 9:00 am  
**C**  
tCc- A New Family of Fluorescent Nucleosides  
Susan Andersen, Chemistry (U)

149 9:00 am  
**D**  
Our Adventurous Syntheses of Azaspirene, a Powerful Angiogenesis Agent against Cancer  
Stephanie Cox, Chemistry - Biochemistry (U)

150 9:00 am  
**E**  
Total Synthesis of Lagunamide A: A Highly Stereoselective Approach for a Powerful Anti-Malarial and Anti-Cancer Agent  
Mark Mahoney, Biochemistry (U)

**Session A-10**

**Poster Health and Nutrition and Clinical Sciences 1**

**Friday, March 2, 2018, 9:00 am**

Location: Montezuma Hall

151 9:00 am  
**F**  
Functional Properties of Mealworm Proteins  
Sarah Kim, Food and Nutrition (U)

152 9:00 am  
**G**  
Avocado Consumption, Metabolic Syndrome, and Cancer Risk: Implications for Cancer Disparities  
Marisela Arechiga-Romero, Psychology (U)

153 9:00 am  
**H**  
Effects of watermelon consumption on satiety and anthropometric indices in overweight and obese adults  
Tiffany Lum, Nutritional Science (M)

154 9:00 am  
**I**  
Effect of Pistachios and Mixed Nuts on Bone Density and Osteogenic Gene Expression in Young Male Rats  
Brooke Wickman, Nutritional Sciences & Exercise Physiology (M)

155 9:00 am  
**J**  
Flow & RVAD Placement within the RV  
Sherwin Navindaran, Bioengineering (M)

156 9:00 am  
**K**  
The Effect of Inflow Cannula Angle on the Intraventricular Flow Field of the LVAD-Assisted Heart  
Nikolas Marquez-Maya, Mechanical Engineering - Bioengineering (U)

157 9:00 am  
**L**  
The effect of mitral valve prosthesis design and orientation on intraventricular flow transport studied in a mock circulatory loop  
Vi Vu, Mechanical - Aerospace (D)

158 9:00 am  
**M**  
Development of a Training Apparatus in Lower-Limb Muscular Strength and Power for Older Adults  
Edgar Ramirez, Biology-Bioengineering (U)

159 9:00 am  
**N**  
A Functional Map of Oncogenic States for Breast Cancer  
Nina Ly, Biochemistry (U)
Session A-12
Poster Biological and Agricultural 1
Friday, March 2, 2018, 9:00 am
Location: Montezuma Hall

160 9:00 am  O
Antibiotic resistant gene variation in metagenomes collected across a diverse array of ecosystems
Rhaya Alkafaji, Biology (U)

161 9:00 am  P
Quorum Sensing in the Hydrocarbon Degrading genus Marinobacter
Jenna Powell, Biochemistry (U)

162 9:00 am  Q
Using a novel CRISPR/Cas9 screening platform to elucidate the role of APOE risk alleles in Alzheimer’s Disease.
Nicholas Hernandez, Biology (U)

163 9:00 am  R
Seagrass edge effects: the influence of patch edge type on epifaunal communities in restored eelgrass habitat
Kaylee Griffith, Biology, Ecology Program (M)

164 9:00 am  S
Sensitive Analysis of Multiple Sclerosis Biomarker Using Nonlinear Multi-Photon Laser Wave-Mixing Spectroscopy
Willi Cheung, Biochemistry (M)

165 9:00 am  T
A Gap in Reliable Medical Access: How the Absence of Language Services Burdens Non-English Speaking Hospital Patients
Melissa Ruiz, Public Health (U)

Session A-13
Poster Behavior and Social Sciences 3
Friday, March 2, 2018, 9:00 am
Location: Montezuma Hall

166 9:00 am  U
Los Desechables (The Disposable Ones): Redefining Migrant Identity along the Northern Mexican Border
Derick Abrigu, Latin American Studies and Public Administration M)

167 9:00 am  V
Rural and Urban Variation in Opioid Related Sentencing Disparities in the U.S. Justice System
Keely Tedone, Sociology (U)

168 9:00 am  W
Nurse Work Stress Predictors Analysis: A Relative Weight Approach
Christian Ampo, Psychology (U)

169 9:00 am  X
The Effects of Prenatal Alcohol Exposure and Dietary Choline Levels on Social Development
Grecia Nolasco, Psychology (U)

170 9:00 am  Y
Undergraduate Nurse Attitudes
Amanda Monteverde, Nurse Practitioner/Clinical Nurse Specialist (M)

Session A-14
Poster Behavior and Social Sciences 4
Friday, March 2, 2018, 9:00 am
Location: Montezuma Hall

171 9:00 am  Z
Urban-Rural Distinctions in Hospital Discharge Rates and the Relation to Health IT Availability
Melissa Yakuta, Business Administration Management Information Systems (U)

172 9:00 am  AA
The Effect of Caffeine Intake & Sleep Deprivation on Academic Performance in College Students
Margot Salgado, Psychology (U)

173 9:00 am  BB
The Relation between Verbal Fluency and Inhibitory Control in Bilingual Adults
Kayla Glaser, Speech-Language Pathology (M)

174 9:00 am  CC
Relationships between Vocabulary and Nonword Repetition in Vietnamese-English Bilingual Children
Quynh Dam, Language and Communicative Disorders (D)

175 9:00 am  DD
Effectiveness of home delivered computerized treatments in reducing symptoms of worry
Gabrielle Verdura, Psychology (U)
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</thead>
<tbody>
<tr>
<td>9:00 am</td>
<td>EE</td>
<td>Does Race Moderate the Association between Substance Use Stigma and Methadone Treatment Success in the U.S.?</td>
<td>Brittany D’Ambrosio, Interdisciplinary Research on Substance Use (D)</td>
</tr>
<tr>
<td>9:00 am</td>
<td>FF</td>
<td>The Role of Emotion Processing and Interpersonal Beliefs in Suicidality in Psychotic Disorders Across the Lifespan</td>
<td>Jennifer Villa, Psychology (U)</td>
</tr>
<tr>
<td>9:00 am</td>
<td>GG</td>
<td>Influences of Maternal Ethnic Identity on Depression, Anxiety, and Irritability in Offspring</td>
<td>Geneva Toledo, Psychology (U)</td>
</tr>
<tr>
<td>9:00 am</td>
<td>HH</td>
<td>Relation Between Threat Bias, Irritability, and Anxiety in a Community Sample of Adolescents</td>
<td>Yonca Cam, Psychology (U)</td>
</tr>
<tr>
<td>9:00 am</td>
<td>II</td>
<td>Piloting Girls Invest, an innovative savings account focused on investment in the future to address social and economic factors underlying disproportionately high rates of adolescent pregnancy among Latina youth</td>
<td>Jasmin Garcia, Biology (U)</td>
</tr>
<tr>
<td>9:00 am</td>
<td>JJ</td>
<td>California Verbal Learning Test II (CVLT-II) Performance in Prodromal Disease</td>
<td>Meghan Ursa, Psychology (U)</td>
</tr>
<tr>
<td>9:00 am</td>
<td>KK</td>
<td>Parent Motivation in Child Mental Health Treatment: Associations with Parent Engagement</td>
<td>Gina May, Psychology (U)</td>
</tr>
<tr>
<td>9:00 am</td>
<td>LL</td>
<td>Dynamics of Phage Survival in Limited Bacterial Growth Conditions</td>
<td>James Hellfeier, Physics (U)</td>
</tr>
<tr>
<td>9:00 am</td>
<td>MM</td>
<td>Modeling Speciation through Lysogeny Reproduces Phage-Bacteria Abundance Data Across Ecosystems</td>
<td>Maxwell Anthenelli, Physics (U)</td>
</tr>
<tr>
<td>9:00 am</td>
<td>NN</td>
<td>Modeling Phage Survival in Limited Bacterial Growth Conditions</td>
<td>Nicole Tomassi, Applied Mathematics Emphasis in Statistics (U)</td>
</tr>
<tr>
<td>9:00 am</td>
<td>OO</td>
<td>Subdiffusive motion of phages through mucus</td>
<td>Elena Arroyo, Physics (U)</td>
</tr>
<tr>
<td>9:00 am</td>
<td>PP</td>
<td>Modeling HIV Latent Infection Under Drugs of Abuse</td>
<td>Timmy Liang, Applied Mathematics - Computational Science (U)</td>
</tr>
<tr>
<td>9:00 am</td>
<td>QQ</td>
<td>Mathematical models to predict the risk of HIV infection under drugs of abuse</td>
<td>Angelica Bloomquist, Applied Mathematics (U)</td>
</tr>
<tr>
<td>9:00 am</td>
<td>RR</td>
<td>Impact of Environmental temperature variations on the dynamics of dengue epidemics</td>
<td>Pavan Kumar Chalumuri, Computer Science (M)</td>
</tr>
</tbody>
</table>

**Session A-16**

**Poster Physical and Mathematical Sciences 3**

**Friday, March 2, 2018, 9:00 am**

**Location:** Montezuma Hall

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 am</td>
<td>QQ</td>
<td>Mathematical models to predict the risk of HIV infection under drugs of abuse</td>
<td>Angelica Bloomquist, Applied Mathematics (U)</td>
</tr>
<tr>
<td>9:00 am</td>
<td>RR</td>
<td>Impact of Environmental temperature variations on the dynamics of dengue epidemics</td>
<td>Pavan Kumar Chalumuri, Computer Science (M)</td>
</tr>
</tbody>
</table>

**Session A-17**

**Poster Interdisciplinary 3**

**Friday, March 2, 2018, 9:00 am**

**Location:** Montezuma Hall

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 am</td>
<td>SS</td>
<td>Modification of Tailocins to Generate Cystic Fibrosis-Related Antimicrobials</td>
<td>Jacob Vander Griend, Microbiology (U)</td>
</tr>
</tbody>
</table>
191 9:00 am  TT  
Investigating the Bacterial Host of crAssphage; A Highly Abundant Bacteriophage Found Around the Globe  
Ashelyn Lutrick, MicroBiology (U)

192 9:00 am  UU  
Characterization of a Novel Bacterial Effector Necessary to Induce Eukaryotic Cell Death  
Iara Rocchi, Microbiology (M)

193 9:00 am  VV  
Characterization of red snow viral communities in the Canadian Pacific Northwest  
Adam Barno, Cellular - Molecular Biology (M)

194 9:00 am  WW  
A Bacterial Effector Necessary for Marine Tubeworm Metamorphosis  
Charles Ericson, Microbiology (M)

241 10:45 am  A  
Group-level Linguistic Alignment in an Online Conversation  
Hagyeong Shin, Linguistics (M)

242 10:45 am  B  
Neural Correlates of Specific Language Impairment  
Julia Newton, Speech and Language Hearing Sciences (U)

243 10:45 am  C  
Women in Hypertext Literature  
Jessica Ramsey, English/Recreational Tourism Management (U)

244 10:45 am  D  
Who Is Next?: A Rhetorical and Sentiment Analysis of The #MeToo Movement  
Danger Riley, Graduate Program for Homeland Security (M)

245 10:45 am  E  
The Effects of Media (Mis)Representation of the Mentally Ill from 1965-1975  
Sheelah Santos, Comparative Literature and Television, Film, and New Media-Production (U)

246 10:45 am  F  
Disabilities and Study Abroad  
Eugene Norman, Psychology (U)

Friday, March 2, 2018
Session B: Poster Presentations

Session B-9
Poster Interdisciplinary 6
Friday, March 2, 2018, 12:00 pm
Location: Montezuma Hall

247 10:45 am  G  
A Mild Catalytic Method for Sulfenylation of Arenes  
Erik Alvarez, Biochemistry (U)

248 10:45 am  H  
The Cinchona-Alkaloid catalyzed nucleophilic dynamic kinetic resolution of aryl-naphthoquinones  
Gregory Dawson, Chemistry - Biochemistry (U)

249 10:45 am  I  
Design and Synthesis of Imidazole Substituted Phosphine Ligands  
Hanne Henriksen, Chemistry (U)

250 10:45 am  J  
Copper Promoted sp3 Carbon-Nitrogen Cham-Lam Coupling  
Brent Thomas, Chemistry (M)

251 10:45 am  K  
A Molecular Tweezer: Synthesis of Ru(II) Complex Bearing Trans–Spanning Ligands with Olefin Bridge as a Water Oxidation Catalyst (WOC)  
Sima Yazdani, Chemistry (D)
Please silence your cell phones and other devices. 
(U) = Undergraduate; (M) = Masters; (D) = Doctoral

**Session B-11**

**Poster Engineering and Computer Science 3**  
*Friday, March 2, 2018, 12:00 pm*  
Location: Montezuma Hall

252 10:45 am  L  
Reuse of Wastewater Using Anaerobic Baffled Reactors (subject to title change)  
Laura Panduro, Environmental Engineering (U)

253 10:45 am  M  
The Effect of Riparian Restoration on the Mechanisms of Urban Channel Hydrogeomorphic Processes in the San Diego River Watershed  
Lauren Mathews, Environmental Engineering (M)

254 10:45 am  N  
Urban Hydrologic Processes after Vegetation Restoration in San Diego, California  
Kyler Stevenson, Environmental Engineering (U)

255 10:45 am  O  
Predicting evapotranspiration following wildfires using supervised machine learning  
Patrick Poon, Civil Engineering, Water Resources (M)

256 10:45 am  P  
Applying harmonic and stochastic methods to predict post-fire hydro-geomorphic risks  
Jack Mikesell, Environmental Engineering (U)

257 10:45 am  Q  
Investigating the Impacts of Scaling Hydrologic Models on Hydrologic Metrics Used to Quantify Habitat Disturbance  
Kelly Flint, Civil Engineering, Water Resources Engineering (M)

**Session B-12**

**Poster Biological and Agricultural 3**  
*Friday, March 2, 2018, 12:00 pm*  
Location: Montezuma Hall

258 10:45 am  R  
Investigating human UNC45 paralogues using the Drosophila model system  
Tobias Hernandez Quevedo, Cellular - Molecular Biology (U)

259 10:45 am  S  
The role of YAP and MRTFA in GBM Proliferation and Migration  
Daniel Ryback, Cellular - Molecular Biology (M)

260 10:45 am  T  
Bacterial Substrate Utilization Patterns  
Dominic Cavalli, Cellular - Molecular Biology (U)

261 10:45 am  U  
Intersection of Genotype and Phenotype: Informing Predictive Models  
Rebecca de Wardt, Cellular - Molecular Biology (M)

262 10:45 am  V  
The bHLH protein E47 regulates cancer stem cell markers in Pancreatic Cancer  
Alejandra Contreras, Cellular - Molecular Biology (U)

263 10:45 am  W  
Coral Stem Cells: Measuring epigenetic signatures in diverse cell populations to identify possible stem cells in Scleractinian coral  
Kevin Green, Cellular - Molecular Biology (M)

**Session B-13**

**Poster Interdisciplinary 7**  
*Friday, March 2, 2018, 12:00 pm*  
Location: Montezuma Hall

264 10:45 am  X  
Evaluating Oral Health and Nutrition in Second Grade Classrooms  
Cassidy Lutz, Nursing (U)

265 10:45 am  Y  
Effect of Physical Exercise on Academic Engagement and Executive Functioning in Students with Autism Spectrum Disorder  
Sarah Nakutin, School Psychology (M)

266 10:45 am  Z  
Frequency, orthographic neighborhood and concreteness effects in deaf readers of English: an ERP study  
Stephanie Osmond, Psychology (U)

267 10:45 am  AA  
Short Form of the California Odor Learning Test  
Conner Frank, Psychology (U)
### Session B-14

<table>
<thead>
<tr>
<th>Time</th>
<th>Poster ID</th>
<th>Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:45 am</td>
<td>BB</td>
<td>School Leadership for Social Justice: Exploring the Relationship Between the Beliefs and Practices of School Leaders in Title I Schools and Student Achievement</td>
<td>Elizabeth S. Rozich, Education (D)</td>
</tr>
<tr>
<td>10:45 am</td>
<td>CC</td>
<td>Fostering STEM Identity in Students of Color</td>
<td>Michelle DeJohnette, Philosophy in Education (D)</td>
</tr>
<tr>
<td>10:45 am</td>
<td>DD</td>
<td>Barriers and Facilitators for Community Mobilization Among Female Sex Trade in Tijuana, Mexico</td>
<td>Claudia Gonzalez, Social Work (M)</td>
</tr>
<tr>
<td>10:45 am</td>
<td>EE</td>
<td>The power of the earth: Iron Age Burial Mounds and Territoriality in Southeastern Kazakhstan</td>
<td>Salvador Navarro, Anthropology (U)</td>
</tr>
<tr>
<td>10:45 am</td>
<td>FF</td>
<td>Hospital Ownership and Patient Discharge Rates in California</td>
<td>Alanah Kayla Castillo, Public Health (U)</td>
</tr>
<tr>
<td>10:45 am</td>
<td>GG</td>
<td>How Does Treatment on Word-initial Clusters Affect Word-final Clusters?</td>
<td>Alyssa Pitts, Speech, Language, and Hearing Sciences (U)</td>
</tr>
<tr>
<td>10:45 am</td>
<td>HH</td>
<td>Quantifying A Hundred Years of Landscape Change in the San Pasquale Valley, Calabria, Italy</td>
<td>Yesenia Garcia, Anthropology (M)</td>
</tr>
<tr>
<td>10:45 am</td>
<td>II</td>
<td>A Geo-Spatial Analysis of the Association Between Craft Breweries and Crime</td>
<td>Emily August, Criminology - Criminal Justice (M)</td>
</tr>
</tbody>
</table>

### Session B-15

<table>
<thead>
<tr>
<th>Time</th>
<th>Poster ID</th>
<th>Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:45 am</td>
<td>JJ</td>
<td>Preliminary Model of Intelligibility in Children with Cerebral Palsy Using Kinematic and Acoustic Measures</td>
<td>Caitlin Williams, Speech Language and Hearing Sciences (U)</td>
</tr>
<tr>
<td>10:45 am</td>
<td>KK</td>
<td>Quantifying a descriptive assessment of speech sound disorders: Percent accuracy as a predictor of phonemic inventory inclusion</td>
<td>Emilie Sanchez, Speech-Language Pathology (M)</td>
</tr>
<tr>
<td>10:45 am</td>
<td>LL</td>
<td>Does Order Matter? Grammatical Development in Bilingual Preschoolers</td>
<td>Kira Powell, Speech, Language and Hearing Sciences (U)</td>
</tr>
<tr>
<td>10:45 am</td>
<td>MM</td>
<td>Assessing Fasting Plasma Glucose Change in Breast Cancer Survivors Participating in a Randomized Control Trial of Physical Activity</td>
<td>Max Fang, Public Health (U)</td>
</tr>
<tr>
<td>10:45 am</td>
<td>NN</td>
<td>Factors That Affect Willingness to Consume Insect-Based Foods in the United States</td>
<td>Emily Woolf, Exercise Physiology and Nutrition (M)</td>
</tr>
<tr>
<td>10:45 am</td>
<td>OO</td>
<td>Ubuntu Community Counseling Anti-Recidivism Project: A Trauma-Informed Educational Pipeline to the Counseling Professions</td>
<td>Ahliyah Chambers, Psychology (U)</td>
</tr>
</tbody>
</table>

### Session B-16

<table>
<thead>
<tr>
<th>Time</th>
<th>Poster ID</th>
<th>Title</th>
<th>Presenter(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:45 am</td>
<td>PP</td>
<td>Evaluating Complex Trauma, PTSD, and Recidivism in Juvenile Delinquents</td>
<td>Kelsie Telson, Criminal Justice - Criminology (M)</td>
</tr>
</tbody>
</table>
Please silence your cell phones and other devices.
(U) = Undergraduate; (M) = Masters; (D) = Doctoral

283 10:45 am QQ
The Relationship between Executive Functioning Task Performance and Parent Reported Anxiety in Children
Dijla Alsaigh, Psychology (U)

284 10:45 am RR
Attention Control and Anxiety
Lucy Maloney, Psychology (U)

285 10:45 am SS
The Effects of Prenatal Exposure to Alcohol and Dietary Choline Levels on Anxiety-Related Behaviors
Michaela Hoover, Psychology (U)

286 10:45 am TT
Experiences of Labor Exploitation and Sexual Violence among migrant women in Latin America
Breeanna Messner, Psychology (U)

287 10:45 am UU
The Beauty Myth and Social Media
Haydee Zavala, Education (D)

Session B-17
Poster Physical and Mathematical Sciences 6
Friday, March 2, 2018, 12:00 pm
Location: Montezuma Hall

288 10:45 am VV
Metalicity Analysis for Single and Circumbinary Star Planets
Arturo Ortiz, Astronomy (U)

289 10:45 am WW
Outflows in MgII Emission and Absorption for Spatially Resolved Galaxies at 0.8 < z < 1.4 from MUSE HDFS Observations
Michael Bareian, Astronomy (M)

290 10:45 am XX
The Apsidal Motion Constants in the Triple Star System KOI-126
Mitchell Yenawine, Astronomy (M)

291 10:45 am YY
Probing the Circumgalactic Medium at z~2 using Close Quasar Pairs
Stephanie Stawinski, Astronomy (M)

Friday, March 2, 2018
Session C: Poster Presentations

Session C-9
Poster Engineering and Computer Science 5
Friday, March 2, 2018, 12:30 pm
Location: Montezuma Hall

337 12:30 pm A
Novel Technique of Microfabrication for Multilayer, Freestanding, C-MEMS Structures
Zachariah Walker, Mechanical Engineering (M)

338 12:30 pm B
Conductivity Reconstructions Using the Extended Kalman Filter
Christina Valen, Computational Science (M)

339 12:30 pm C
Ab initio calculations of Gamow-Teller transitions
Jordan Fox, Computational Science (D)

340 12:30 pm D
Flames “on edge”: what makes them dangerous
Luca Carmignani, Mechanical - Aerospace Engineering (D)

Session C-10
Poster Engineering and Computer Science 6
Friday, March 2, 2018, 12:30 pm
Location: Montezuma Hall

341 12:30 pm E
A New Butterfly Antenna Element for Circular Polarized Series Fed Designs with Wide Axial Ratio Beamwidth at W-Band
Ghanshyam Mishra, Computational Science (D)

342 12:30 pm F
Sandhya Krishna, Electrical - Computer Engineering (M)

343 12:30 pm G
FPGA Implementation of a Reconfigurable Memory-Based Fast DCT Architecture
Jameson Thies, Computer Engineering (U)
<table>
<thead>
<tr>
<th>Session C-11</th>
<th>Poster Physical and Mathematical Sciences 7</th>
<th>Friday, March 2, 2018, 12:30 pm</th>
<th>Location: Montezuma Hall</th>
</tr>
</thead>
<tbody>
<tr>
<td>344</td>
<td>12:30 pm</td>
<td>H</td>
<td>Dual Polarized Wideband Vivaldi Array Antenna Aperture for 5G Massive MIMO Panels Hao Lung Chu, Electrical and Computer Engineering (M)</td>
</tr>
<tr>
<td>345</td>
<td>12:30 pm</td>
<td>I</td>
<td>Relationship between low dissolved oxygen and organic matter in sediments and water of the San Diego River Jordan Cain, Civil Engineering (U)</td>
</tr>
<tr>
<td>346</td>
<td>12:30 pm</td>
<td>J</td>
<td>Utilizing extrapolation methods to estimate average annual daily bicyclist and pedestrian volume from short-term count data in the City of San Diego Mahdie Hasani, Civil Engineering -Transportation Engineering (M)</td>
</tr>
<tr>
<td>347</td>
<td>12:30 pm</td>
<td>K</td>
<td>Adopting cumulative learning to develop a real-time vision-based monitoring system for detecting and tracking vulnerable road users Chenlei Zhang, Computer Science (M)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Session C-12</th>
<th>Poster Health and Nutrition and Clinical Sciences 2</th>
<th>Friday, March 2, 2018, 12:30 pm</th>
<th>Location: Montezuma Hall</th>
</tr>
</thead>
<tbody>
<tr>
<td>348</td>
<td>12:30 pm</td>
<td>L</td>
<td>Geophysical Mapping of San Diego Bay Paleo Channels Xiomara Rosenblatt, Geology (U)</td>
</tr>
<tr>
<td>349</td>
<td>12:30 pm</td>
<td>M</td>
<td>Sources of Groundwater Recharge in the Mission Valley Aquifer Sierra Wallace, Geography-Watershed Science (M)</td>
</tr>
<tr>
<td>350</td>
<td>12:30 pm</td>
<td>N</td>
<td>Pointy ice structure of a frozen water droplet Ana Lomashvili, Electrical Engineering (U)</td>
</tr>
<tr>
<td>351</td>
<td>12:30 pm</td>
<td>O</td>
<td>Visual Delivery of Big Climate Data Using TV Signal Transmission Technology Kerson Perez, Applied Mathematics (M)</td>
</tr>
<tr>
<td>352</td>
<td>12:30 pm</td>
<td>P</td>
<td>Latent Class Analysis and Random Forest Ensemble to Identify At-Risk Students in Higher Education Kevin Pelaez, Statistics (M)</td>
</tr>
<tr>
<td>353</td>
<td>12:30 pm</td>
<td>Q</td>
<td>Preprocessing Epileptic EEG Data to Improve Machine Learning Classification Misha Kutzman, Computational Science (D)</td>
</tr>
<tr>
<td>354</td>
<td>12:30 pm</td>
<td>R</td>
<td>Association of CETP Polymorphisms with Susceptibility for Risk of CKD Sabrina Aden, Biology (U)</td>
</tr>
<tr>
<td>355</td>
<td>12:30 pm</td>
<td>S</td>
<td>An alternative to the Timed Up and Go for stratifying fall risk Vineeta Parupudi, Kinesiology Pre PT (U)</td>
</tr>
<tr>
<td>356</td>
<td>12:30 pm</td>
<td>T</td>
<td>Electrophysiological correlates of error monitoring and awareness in stroke-induced aphasia Alexa Cavalea, Speech Language and Hearing Sciences (U)</td>
</tr>
<tr>
<td>357</td>
<td>12:30 pm</td>
<td>U</td>
<td>Transition Metal Complexes: Toward Catalysis and Small Molecule Therapy Esteban Delgado III, Chemistry (U)</td>
</tr>
<tr>
<td>358</td>
<td>12:30 pm</td>
<td>V</td>
<td>Is Diabetes a Risk Factor for Cancer in The Hispanic American Community? Ernesto Gonzales, Psychology (U)</td>
</tr>
<tr>
<td>359</td>
<td>12:30 pm</td>
<td>W</td>
<td>Teen smoking among White and Latinos in San Diego and California Michael Morrison, Public Health (U)</td>
</tr>
</tbody>
</table>
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Session C-13
Poster Biological and Agricultural 5
Friday, March 2, 2018, 12:30 pm
Location: Montezuma Hall

360 12:30 pm  X
Crystallization of the Universally Conserved tRNA Modification Enzyme tSAC
Jonathan Bush, Chemistry - Biochemistry (U)

361 12:30 pm  Y
Fluorination of Silica Surfaces in Capillary Electrophoresis
Sangho Yun, Chemistry (M)

362 12:30 pm  Z
Structural and Morphological Characterization of Egg Case Spider Silks
David Onofrei, Chemistry (D)

363 12:30 pm  AA
The Structure, Dynamics and Supramolecular Organization of Glandular Spider Silk Proteins
Dillan Stengel, Chemistry (D)

364 12:30 pm  BB
A mechanism for signal-dependent IKKβ activation driven by molecular interactions with poly-ubiquitin-bound NEMO
Samantha Cohen, Chemistry (D)

Session C-14
Poster Physical and Mathematical Sciences 8
Friday, March 2, 2018, 12:30 pm
Location: Montezuma Hall

365 12:30 pm  CC
Characterization of PHMB as a coating for fused silica capillaries
Jessica Torres, Chemistry (M)

366 12:30 pm  DD
Impact of Environmental Factors on Neuromodulatory Metabolites Produced by Lactobacillus rhamnosus GG
Brijinder Soni, Chemistry (M)

367 12:30 pm  EE
The Role of Caffeine in the Gut Microbiome
Ellen Kuang, Chemistry (M)

368 12:30 pm  FF
Kinetic Characterization of Human Pol ε and Tumorigenic Mutants
Lucas Luna, Chemistry (D)

369 12:30 pm  GG
DNA Polymerization Kinetics of Tricyclic Cytidine (tC) Triphosphates by Reverse Transcriptase from AMV and M-MuLV
Marc Turner, Chemistry & Biochemistry (D)

Session C-15
Poster Engineering and Computer Science 8
Friday, March 2, 2018, 12:30 pm
Location: Montezuma Hall

370 12:30 pm  HH
Increasing the Lifetime of Piezoelectric Diaphragms within Synthetic Jet Actuators
Jennifer Martin-Velazquez, Aerospace Engineering (U)

371 12:30 pm  II
Shakedown Test Results of the SDSU Water Tunnel
Jaime Dorado, Aerospace Engineering (U)

372 12:30 pm  JJ
Water Table Experiment
Isaac Gonzalez, Aerospace Engineering (U)

373 12:30 pm  KK
Evaluation of the accuracy of the Rotating Parallel Ray Omnidirectional Integration for instantaneous pressure reconstruction from the measured pressure gradient
Jose Moreto, Engineering Science (D)

374 12:30 pm  LL
Supercritical Regeneratively Cooled Methane-Oxygen Rocket Engine
Jaymee Panian, Aerospace Engineering (U)

375 12:30 pm  MM
Unmanned Aerial Systems Nonlinear High-Fidelity Aerelastic Analysis
Enrico Santarpia, Aerospace Engineering (D)
### Session C-16
**Poster Interdisciplinary 10**  
**Friday, March 2, 2018, 12:30 pm**  
**Location:** Montezuma Hall

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Author(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>376</td>
<td>12:30 pm NN Amendment and Application of UN-Toolkit to San Diego State University's Climate Action Plan: The World’s First</td>
<td>Christiana Yip, Public Health (U)</td>
</tr>
<tr>
<td>377</td>
<td>12:30 pm OO Cryptocurrency trends analysis using recurrent neural networks</td>
<td>Grigoli Vashakidze, Computer Engineer (U)</td>
</tr>
<tr>
<td>378</td>
<td>12:30 pm PP Levels of the Neonicitinoid Pesticide Imidacloprid in Forester Creek, San Diego County, CA</td>
<td>Samuel Anderson, Public Health (U)</td>
</tr>
<tr>
<td>379</td>
<td>12:30 pm QQ Pharmacodynamics Modeling of Drug Resistant HIV Latent Cells</td>
<td>Kunal Lalwani, Computational Science (M)</td>
</tr>
<tr>
<td>380</td>
<td>12:30 pm RR Effects of bacteriohemerythrin (BHr) overexpression on aerobic methane oxidation</td>
<td>Snehal Nariya, Microbiology (M)</td>
</tr>
</tbody>
</table>

### Session C-17
**Poster Physical and Mathematical Sciences 9**  
**Friday, March 2, 2018, 12:30 pm**  
**Location:** Montezuma Hall

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Author(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>381</td>
<td>12:30 pm SS Optimization of the Hydrogen Evolution Reaction via Nickel and Oxygen Co-Doped 1T-MoS2 (NiO@1T-MoS2) Nanosheets and Black Silicon</td>
<td>Sabrina Younan, Chemistry (U)</td>
</tr>
<tr>
<td>382</td>
<td>12:30 pm TT The Thermodynamics of the Oxidation of Phenylenediamine</td>
<td>Ayla Buenaventura, Chemistry (U)</td>
</tr>
<tr>
<td>383</td>
<td>12:30 pm UU The Kinetics of the Oxidation of the Phenylenediamines</td>
<td>Tammy Pham, Chemistry (U)</td>
</tr>
</tbody>
</table>

### Session C-18
**Poster Biological and Agricultural 6**  
**Friday, March 2, 2018, 12:30 pm**  
**Location:** Montezuma Hall

<table>
<thead>
<tr>
<th>Time</th>
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<th>Author(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>384</td>
<td>12:30 pm VV Determining the lifetime for metronidazole derivative under mercury drop electrode</td>
<td>Mai Trang Nguyen, Chemistry (U)</td>
</tr>
<tr>
<td>385</td>
<td>12:30 pm WW Effect of Added Bases on the Redox-Responsive Dimerization of a 4 H-Bond Array containing a Phenylenediamine Redox Couple</td>
<td>Katrina Vuong, Chemistry (M)</td>
</tr>
<tr>
<td>386</td>
<td>12:30 pm XX Redox-Responsive Dimerization in a Ferrocene-Ureidopyrimidinone Supramolecular Assembly</td>
<td>Mario Cedano, Chemistry (M)</td>
</tr>
<tr>
<td>387</td>
<td>12:30 pm YY Enhancing In Vivo Lineage Reprogramming to Generate Replacement Beta Cells</td>
<td>Andrew Thomas, Biology (U)</td>
</tr>
<tr>
<td>388</td>
<td>12:30 pm ZZ Solstice therapeutics effect on mouse hematopoietic stem cells and progenitors</td>
<td>Gerardo Guzman, Biology (U)</td>
</tr>
<tr>
<td>389</td>
<td>12:30 pm AAA Characterization of Hair-Follicle Inducing Dermal Papilla Cells Derived From Human Pluripotent Stem Cells</td>
<td>Jasmin Hamidi, Biology (U)</td>
</tr>
<tr>
<td>390</td>
<td>12:30 pm BBB Optimizing IPSC Derivation into Human Pancreatic Precursor Cells</td>
<td>Joshua Sohmer, Biology (U)</td>
</tr>
<tr>
<td>391</td>
<td>12:30 pm CCC An induced pluripotent stem cell model to study mechanisms of non-alcoholic fatty liver disease associated with PNPLA3 polymorphisms in human hepatocytes</td>
<td>Hanna Storrosten, Biology (U)</td>
</tr>
</tbody>
</table>
Friday, March 2, 2018
Session D: Poster Presentations

Session D-9
Poster Health and Nutrition and Clinical Sciences 3
Friday, March 2, 2018, 2:15 pm
Location: Montezuma Hall

438 2:15 pm  A
Impact of language barrier on the reporting and management of acute toxicities of radiotherapy in cervical cancer
Cristal Vieyra, Nursing (U)

439 2:15 pm  B
The Color of Brain Tumors: Do Genes Explain Disparities?
Giovanni Quichocho, Biochemistry (U)

440 2:15 pm  C
Awareness of Risk for Skin Cancer: Ethnic Group Differences
Hector Ramirez, Psychology (U)

441 2:15 pm  D
Novel Detection of Biomarkers of Pancreatic Cancer Using Microfluidics and Nonlinear Multi-Photon Laser Wave-Mixing Detector
Samantha Crawford, Chemistry, Biochemistry (U)

442 2:15 pm  E
Ultra Sensitive Detection of Cancer Biomarker CEA
Taylor Inouye, Chemistry (U)

443 2:15 pm  F
Cancer Immunotherapy Response Rates Across Ethnicity
Valeria Mejia, Biology (U)

Session D-10
Poster Biological and Agricultural 8
Friday, March 2, 2018, 2:15 pm
Location: Montezuma Hall

444 2:15 pm  G
FACS analysis of microbial community dynamics on building materials
Ruby Tandon, Cell and Molecular Biology (M)

445 2:15 pm  H
The Effect of Sponges on Coral Reef Microbial Community Structure in Curacao
Brandie White, Cellular and Molecular Biology (D)

446 2:15 pm  I
The Role of ARID1B in Intellectual Disability
Nicholas Elliott, Cellular and Molecular Biology (U)

447 2:15 pm  J
Development of a low-cost murine aerosol delivery system
Priscila Rodriguez, Cellular and Molecular Biology (U)

448 2:15 pm  K
Transcriptional impact of CT26 secretion on RAW 264.7 cells TLR response
Charles Vallez, Cell and Molecular Biology (D)

449 2:15 pm  L
Metabolomic Analysis of the Secondary Effect of Compounds Found in Pre-Workout Energy Drinks
Javier Quintanilla, Biochemistry (U)

Session D-11
Poster Behavior and Social Sciences 14
Friday, March 2, 2018, 2:15 pm
Location: Montezuma Hall

450 2:15 pm  M
Supplemental Instruction’s Impact on Commuter Student Retention Rates
Timothy Heintz, Biology (U)

451 2:15 pm  N
The Misconception of Student Support Services within First-Generation, Low Income College Students
Ariana Hernandez, Psychology (U)

452 2:15 pm  O
Art Based Intervention for Students Identified with Emotional Disturbance who Experience Anxiety
Angela Cerda, School Psychology (M)

453 2:15 pm  P
Metacognition, English Learners, and the ACT
Stephen Bass, Masters in Critical Literacy and Social Justice (M)
Session D-12
Poster Physical and Mathematical Sciences 12
Friday, March 2, 2018, 2:15 pm
Location: Montezuma Hall

454 2:15 pm  Q
Praxis and the Community: The Dignified Learning Project
Charlene Holkenbrink-Monk, Education (D)

455 2:15 pm  R
Indigenous Healing: Soul Retrieval
Natividad Cabrera, Multicultural Community Counseling Community Based Block (M)

Session D-13
Poster Behavior and Social Sciences 15
Friday, March 2, 2018, 2:15 pm
Location: Montezuma Hall

462 2:15 pm  Y
Picture Naming in American Sign Language: an ERP study of the effects of iconicity
Meghan McGarry, Speech Language and Hearing Science (D)

463 2:15 pm  Z
Coping Mechanisms used by Latino youth with Asthma in the Respira Sano study
Janeth Juarez Padilla, Sociology (U)

464 2:15 pm  AA
Disparities in Exposure to Thirdhand Smoke Based on Socioeconomic Status and Ethnicity
Pamela Olguin, Chemistry (U)

465 2:15 pm  BB
Locomotor Response to Methylphenidate in C57BL/6J x FVB/NJ F2 Hybrid Mice with Prenatal Alcohol Exposure
Ami Ikeda, Psychology (M)

466 2:15 pm  CC
Examining the Relationship between Feedback Negativity and Depression using Fast-Fourier Transformed EEG Data
Lucia Nhan, Psychology (U)

467 2:15 pm  DD
Differential Effects of Gender on Hunger and Satiety Hormones in Middle Aged Adults
Ilex Beltran-Najera, Psychology (U)

Session D-14
Poster Biological and Agricultural 9
Friday, March 2, 2018, 2:15 pm
Location: Montezuma Hall

468 2:15 pm  EE
Examining Autophagy Dysregulation in Duchenne Muscular Dystrophy Human Stem Cell Derived Skeletal Muscle
Alvin Muliono, Mechanical Engineering-Bioengineering (U)
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469 2:15 pm FF
The Effects of Estrogen (Ethinyl Estradiol) on the Gut Microbiome
Myedith Damba, Biochemistry (U)

470 2:15 pm GG
Spider Silk-Silica Nanocomposite Materials-An Adsorption Study
Nikki Peters, Chemistry (U)

471 2:15 pm HH
Title: Prostate Cancer Screening in African-American Men: Rates and Barriers
Hodo Haybe, Environmental Sciences (U)

472 2:15 pm II
Data Mining of Two Large Transcriptomic Datasets that utilize Drosophila as a model System for the study of Neurodegeneration due to Aging and Trauma
Sharon Zhang, Bioinformatics and Medical Informatics (M)

473 2:15 pm JJ
Language output monitoring in sign production: an electroencephalography study
Linda Nadalet, Speech Language and Hearing Sciences (U)

474 2:15 pm KK
Phonological Priming in American Sign Language: An ERP Study
Natasja Massa, Speech, Language and Hearing Sciences (U)

475 2:15 pm LL
Reduced Activation in Individuals At-Risk for Alzheimer's Disease during Odor Recognition Tasks
Jeremea Songco, Psychology (U)

476 2:15 pm MM
Does Odor Familiarity Predict Conversion from Mild Cognitive Impairment to Alzheimer's Disease?
Paul Wheeler, Psychology (M)

477 2:15 pm NN
Body Image among Adult Survivors of Childhood and Adolescent Cancer
Vanessa De Cambra Ocampo, Biology (U)

478 2:15 pm OO
The Role of Working Memory and Cognitive Control in Online Sentence processing: Evidence from bilingualism
Margo Taylor, Speech, Language and Hearing Sciences (U)

479 2:15 pm PP
Executive Function and Translation Equivalents in Young Spanish-English Bilingual Children
Anele Villanueva, Child and Family Development (U)

Session D-16
Poster Behavior and Social Sciences 17
Friday, March 2, 2018, 2:15 pm
Location: Montezuma Hall

480 2:15 pm QQ
Good-bye ANOVA and Hello SEM: Using Structural Equation Models in Place of Analysis of Variance
Ayn Hatfield, Psychology (U)

481 2:15 pm RR
My Analysis on Repeat: Using Structural Equation Models to Perform Repeated Measures Analysis of Variance
Saba Tavoosi, Psychology (U)

482 2:15 pm SS
Dust Yourself Off and Try Anew: Replicating Multivariate Analysis of Variance Through Structural Equation Modeling
Justine Poulin, Statistics (U)

483 2:15 pm TT
Taste Perception and Habitual Caffeine Use: A fMRI Study
Eleni Kapoulea, Psychology (M)

484 2:15 pmUU
Latent Class Analysis of Racial Attitudes
Angela Horvath, Social Work (M)
**Friday, March 2, 2018**

**Session E: Poster Presentations**

**Session E-1**

**Poster Health and Nutrition and Clinical Sciences 4**
Friday, March 2, 2018, 4:00 pm
Location: Montezuma Hall

**492 4:00 pm A**
BMI is Associated with Perceived Pleasantness of Sweet and Fatty Solutions
Morgan Marvin, Psychology (U)

**493 4:00 pm B**
A fast-start pacing strategy does not improve locomotor fatigue dynamics but does improve supra-critical power work capacity
Abby Villacarlos, Exercise Physiology (M)

**494 4:00 pm C**
Moderation of Postprandial Glucose Responses to Single, Short Exercise Bouts by Fitness and Sex
Jeff Moore, Exercise Physiology, Nutritional Sciences (M)

**495 4:00 pm D**
The Acute Effect of Moderate Intensity Stair Climbing on Postprandial Blood Glucose
Cameron Vinoskey, Exercise Physiology and Nutritional Science (M)

**496 4:00 pm E**
Sex differences in postprandial glucose response to short bouts of exercise
Eric Bartholomae, Exercise Physiology and Nutritional Sciences (M)

**497 4:00 pm F**
Association between habitual sleep patterns and endogenous pain modulation in people with and without chronic spine pain
Sonnen Olson, Physical Therapy (D)
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Session E-2
Poster Engineering and Computer Science 10
Friday, March 2, 2018, 4:00 pm
Location: Montezuma Hall

498 4:00 pm  G
A New Website for Seamless Navigation of the Argo Data Set
Tyler Tucker, Applied Mathematics (M)

499 4:00 pm  H
Experimental Study of Radio Frequency Energy Harvesting Internet of Things
Julia Cai, Computer Science (U)

500 4:00 pm  I
Experimental Study of Wireless Quality of Service Performance on Windows and Macintosh Devices in Realistic Settings
Edwin Perez, Computer Science (U)

501 4:00 pm  J
SDSU Schedule
Luka Chkhetiani, Electrical Engineering (U)

502 4:00 pm  K
Deep Learning Wildfire prediction
Shota Amashukeli, Computer-Engineering (U)

503 4:00 pm  L
Handwritten Optical Image Recognition of non-Latin characters
Davit Soselia, Computer Engineering (U)

Session E-3
Poster Biological and Agricultural 10
Friday, March 2, 2018, 4:00 pm
Location: Montezuma Hall

504 4:00 pm  M
Capsicum annuum’s Potential as an Anticancer Treatment
Paula Bejar, Biology (U)

505 4:00 pm  N
Phylogenetic Relationships Among Iguanid Genera and the Evaluation of Discordance between the Mitochondrial and Nuclear Genomes
Kimberly Cole, Biology (U)

506 4:00 pm  O
The Effects of Water Table and Thaw Depth Levels on Carbon Dioxide and Methane Fluxes in the Arctic
Bahar Sabouri, Biology (U)

507 4:00 pm  P
Identifying Novel UNC-45 Interacting Partners in Drosophila
Mark Sanders, Biology (U)

508 4:00 pm  Q
GIV Regulates Downstream Integrin Signaling and Focal Adhesion Formation
Navin Rajapakse, Biology (U)

509 4:00 pm  R
A Closer Look at the Skin of Sharks
Taylor Dillon, Marine Biology (U)

Session E-4
Poster Physical and Mathematical Sciences 13
Friday, March 2, 2018, 4:00 pm
Location: Montezuma Hall

510 4:00 pm  S
From Mars to Medicine: A Closer Look Into Boron Nitride Nanotubes
Joe Olivieri, Biology (U)

511 4:00 pm  T
Kinetics of Histidine Induced Silver Nanoparticle Aggregation
Josiah Smith, Chemistry (U)

512 4:00 pm  U
Modification and application of nanopore Black Silicon
Michael Fairchild, Chemistry (U)

513 4:00 pm  V
Effects of Halide Salts on Citrate Capped Silver Nanoparticles
Zachary Smith, Chemistry Bachelor of Science (U)

514 4:00 pm  W
Unexpected Dependence of Silver Nanoparticle Synthesis on the Rate of Reactant Mixing
Bernice Villa-Real, Biochemistry (U)
Identification of Ligands Bound to Silver Nanoparticle Surfaces by Raman Spectroscopy
Joe Sanchez, Chemistry (U)

Session E-5
Poster Behavior and Social Sciences 18
Friday, March 2, 2018, 4:00 pm
Location: Montezuma Hall

Identification of Ligands Bound to Silver Nanoparticle Surfaces by Raman Spectroscopy
Joe Sanchez, Chemistry (U)

Session E-6
Poster Biological and Agricultural 11
Friday, March 2, 2018, 4:00 pm
Location: Montezuma Hall

Evaluation of Macrophage mRNA Expression after Conditioned Cancer Media Treatments
Warsan Artan, Biology - Political Science (U)

Diversity of methanotrophic bacteria in California Coastal prairies
Brianna Anaya, Biology (U)

Integrating bHLH Repressors into the Midline regulatory network
Zachary Ip, Biology (U)

Searching for UNC-45 Gene Interacting Partners Using CRISPR
Danitza Loya, Biology (U)

Effects of Moderate Voluntary Ethanol Consumption on the Rat and Human Gut Microbiome
Natalie Pinkowski, Biology (U)

Session E-7
Poster Behavior and Social Sciences 19
Friday, March 2, 2018, 4:00 pm
Location: Montezuma Hall

Health Literacy and Healthcare Utilization in Latino/Hispanic Populations with Chronic Health Conditions
Ivette G. Gimenez-Torres, Psychology (U)

Cultural Explanatory Models of Cancer: From the Imperial Valley to Osaka, Japan
Fernanda Figueroa, Psychology (U)
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Session E-8
Poster Physical and Mathematical Sciences 14
Friday, March 2, 2018, 4:00 pm
Location: Montezuma Hall

533 4:00 pm PP
Atroposelective Alkylation of Diaryl Ethers via Dynamic Kinetic Resolution
Amy Jackson, Chemistry (U)

534 4:00 pm QQ
New Synthetic Method of N-Heterocyclic Carbenes
Daniel Cassaro, Chemistry (U)

535 4:00 pm RR
A Nucleophilic Atroposelective Kinetic Resolution of Selective Pyrrolopyrimidine Kinase Inhibitors
Tiffany Duong, Biology (U)

536 4:00 pm SS
Computational Studies of Catalyst-Controlled Regioselective Chlorination of Phenols
Lalena Janke, Chemistry (U)

Session E-9
Poster Behavior and Social Sciences 20
Friday, March 2, 2018, 4:00 pm
Location: Montezuma Hall

537 4:00 pm TT
Negative Affect Surveillance of Twitter
Ilana Goldflam, Linguistics (M)

538 4:00 pm UU
Lexical Access and Organization of Language in Monolingual and Bilingual 18-Month-Olds
Lauren Thayer, Psychology (U)

539 4:00 pm VV
The Relationship Between Executive Function and Language Skills in Bilingual Children
Mackenzie Hurley, Speech, Language, and Hearing Sciences (U)

540 4:00 pm WW
Effects of Social Media Addiction on Self-Esteem and Friendship Satisfaction
Paola Vicencio, Psychology (U)

541 4:00 pm XX
The Effect of Tattoos on Employment
Jasmine Nguyen, Marketing (U)

542 4:00 pm YY
Using smartphones to train cognitive control processes: will we promote aphasia recovery?
Kimaya Desai, Computer Science (M)

Session E-10
Poster Interdisciplinary 14
Friday, March 2, 2018, 4:00 pm
Location: Montezuma Hall

543 4:00 pm ZZ
Intrapersonal Barriers and Facilitators to Cervical Cancer Screening of Women with HIV in Surat, India
Asha Abdullahi, Political Science - Public Health (U)
544 4:00 pm   AAA
A qualitative exploration of the substance use continuum from initiation to treatment among transgender and gender nonconforming young adults
Cassandra Morales, Public Health (U)

545 4:00 pm   BBB
Perceived Stress and Quality of Life in older Persons Living with HIV
Vanessa Serrano, Psychology (U)

546 4:00 pm   CCC
How Transparent is American Sign Language to Non-Signers?
Lucyl Florencio, Speech, Language, and Hearing Sciences (U)

547 4:00 pm   DDD
Seasonal and Spatial Distribution of Particle-bound Polycyclic Aromatic Hydrocarbon in San Ysidro, CA
Rachelle De Ocampo, Public Health (U)

548 4:00 pm   EEE
Structural Revision and Total Synthesis of the Correct Enantiomeric Form of Micromide, a Highly Potent Anti-Tumor Agent from Cyanobacteria
Ann Baac, Chemistry (ACS) (U)
Acknowledgements

Our thanks and appreciation to the following individuals, units and groups for their support of student involvement in research, scholarship and creative activities.
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