# Conference Committee

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<tr>
<th>Name</th>
<th>Institution</th>
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<tr>
<td>Karen Alonzo</td>
<td>Stanford University</td>
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<tr>
<td>Bernie Day</td>
<td>Foothill College</td>
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<tr>
<td>Sarah Harmon</td>
<td>Cañada College</td>
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<td>Jessica Kaven</td>
<td>Cañada College</td>
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<td>Matthew Kennedy</td>
<td>City College of San Francisco</td>
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<td>Candace Klaschus</td>
<td>Las Positas College</td>
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<td>Sami Kudsi</td>
<td>City College of San Francisco</td>
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<td>Joyce Lee</td>
<td>Skyline College</td>
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<td>David Laderman</td>
<td>College of San Mateo</td>
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<td>Eva Mo</td>
<td>Modesto Junior College</td>
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<td>Jennifer Saito</td>
<td>Los Medanos College</td>
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<tr>
<td>Kristine Sawicki</td>
<td>Stanford University</td>
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<td>Colin Schatz</td>
<td>Las Positas College</td>
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<tr>
<td>Steve Schessler</td>
<td>Cabrillo College</td>
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<tr>
<td>Letitia Scott-Curtis</td>
<td>Cabrillo College</td>
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<tr>
<td>John Ulloa</td>
<td>Skyline College</td>
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# Acknowledgements

The Bay Honors Consortium thanks the Office of Undergraduate Admission at Stanford University for supporting this opportunity for community college honors students. We also acknowledge the following people for their invaluable contributions. They rock.

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<tr>
<td>Richard H. Shaw</td>
<td>Dean of Admission &amp; Financial Aid, Stanford University</td>
</tr>
<tr>
<td>Arash Daneshzadeh</td>
<td>Keynote Speaker</td>
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<tr>
<td>Jonathan Homrighausen</td>
<td>Modesto Jr. College Honors Graduate, Student Speaker</td>
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<tr>
<td>Michael Maehara Smith</td>
<td>Maehara Photography</td>
</tr>
<tr>
<td>Kasey Tyler</td>
<td>Administrative Associate, Stanford University</td>
</tr>
<tr>
<td>Maureen Willhoite</td>
<td>Program Layout, Los Medanos College</td>
</tr>
<tr>
<td>Ricoh Printing</td>
<td>Program Printing, Las Positas College</td>
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<tr>
<td>Stanford Taiko</td>
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Symposium Guests,

Welcome to the 8th Community College Honors Research Symposium at Stanford University!

The presentations in which you have invested countless hours reflect the scholarly work that Stanford celebrates. Your commitment to knowledge, passion for learning, and intense curiosity are the qualities that fuel the creation of innovative ideas and groundbreaking research. Today is a forum to celebrate the cultivation and exchange of ideas; an opportunity to appreciate the vast array of perspectives and experiences; a moment to reflect on the responsibility of intellectuals in a free society.

Stanford University was founded to promote the public welfare by exercising an influence on behalf of humanity and civilization. Pursuit of knowledge for its own sake is a beautiful, noble, and meaningful enterprise. Ultimately, however the research you will conduct at universities has an ethical purpose: To make the world a better place. Pressing issues plague our world – who will solve them? Who will conduct the scientific research that solves cancer? Who will perform the public policy research that offers a solution for the state of public education, the environment, or Social Security? You are the leaders who have the potential to work on these issues.

This research symposium is also a time to celebrate the unique perspectives of community college students. Your diverse backgrounds and life experiences add much-needed richness to classroom conversations and the overall intellectual quality of university communities. I commend you on your scholarship and wish you the very best in your academic, personal, and professional endeavors.

With warm regards,

Richard H. Shaw
Dean of Admission and Financial Aid
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Presentation Session Descriptions
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Schedule of Events

Opening Ceremony - Annenberg Auditorium. 9:00-9:30 a.m.
  Sarah Harmon, Emcee
  Arash Daneshzadeh, Keynote Speaker

Session I Presentations 9:45-10:45 a.m.

Session II Presentations 11:00-12:00 p.m.

Lunch 12:00-1:00 p.m.

Session III Presentations 1:15-2:15 p.m.

Closing Ceremony - Annenberg Auditorium 2:30-3:30 p.m.
  Performance by Stanford Taiko
  Jonathan Homrighausen, Student Speaker
  Modesto Junior College Honors Alumnus, Santa Clara University Transfer
  Bay Honors Consortium Honors Faculty of the Year Award
  The Katharine Award
  The Heslet Scholar Award

Admissions Workshop- Annenberg Auditorium 3:45-4:30 p.m.
  Kristine Sawicki & Karen Alonzo, Stanford University Undergraduate Admissions

Campus Tours
Session I Presentations 9:45-10:45 a.m.

All presenters and attendees are expected to arrive no later than 9:45 a.m. and stay for the entire session. Please refrain from entering the room once the session is in progress.
**Session I: 9:45 - 10:45 a.m.**

**Room 305**

**Wafa Zeidan**  
*Skyline College*  
*Mentor: Christine Case*

**Evaluation of the Antimicrobial Activity of Rhodiola Rosea**

An investigation into the effectiveness of the extract of a medicinal plant against microorganisms.

**Ciri Raguthu**  
*Las Positas College*  
*Mentor: Edward Brennan*

**Calcium Concentrations in Drinking Water**

An investigation into the variability of calcium in San Francisco Bay Area tap water.

**Phuong Tran**  
*American River College*  
*Mentors: Karen Pesis & Lori Smith*

**The Antibacterial Effects of Grapefruit Seed Extract on Staphylococcus Aureus**

A comparative analysis of the antibacterial properties of grapefruit seed extract and Neosporin®.

**Room 303**

**Collin Brown**  
*Los Medanos College*  
*Mentors: Marie Arcidiacono & David Zimny*

**The Tunisian Paradox**

*One Country’s Success at Fusing Western & Islamic Ideals*

An analysis of Tunisia’s surprising post Arab Spring political stability.

**Michael Nakada**  
*American River College*  
*Mentor: Alana Jeydel*

**Discrimination and the Welfare State**

*A Paradox of Scandinavian Social Democracy*

An assessment on the sustainability of social democracy in relation to the escalating xenophobia in northern Europe.

**Jody Strait**  
*Modesto Junior College*  
*Mentor: Bill Anelli*

**Conservatism and Fighting Global Warming**

*An Either/Or?*

An examination of the compatibility of 19th and 20th century conservative political philosophy with aggressive climate change mitigation policy.
Room 205

Allana Leigh  
Orange Coast College  
Mentor: Kat Carroll

**Lady and the Tramp**  
**Narrative, Intent & Gender Bias in the U.S. Legal System**  
An exploration of narrative, intent and gender bias in the U.S. legal system.

Amara Lawson-Chavanu  
Sacramento City College  
Mentor: Moira Magneson

**"Not a Lady, Nor a Nigger": Black Women, White Lynching and 'Controlling Images' (1886-1957)**  
A content analysis of popular images of Black womanhood and their impact on lynching.

Elisabeth Larson  
Los Angeles City College  
Mentor: Christina Heisser

**The Effects of Public Opinion on Reconstruction in the Postbellum South**  
Using political cartoons to understand Reconstruction's untimely end.

Room 203

Melissa Mokhtari  
Irvine Valley College  
Mentor: Christie Papagiannis

**Damming the Amazon: The Social Costs of Hydroelectric Dam Development in Northeastern Brazil**  
A case study of the Belo Monte Dam's threats to Brazilian social conditions.

Elizabeth Vo-Phamhi  
Skyline College  
Mentor: Nick Kapp

**Snails to the Rescue**  
**How Land Snail Eggs Could Help Stop Global Warming**  
A presentation of the biochemical mechanism by which snails convert atmospheric carbon dioxide into harmless organic material.

Rick Nee  
College of San Mateo  
Mentors: Paul Hankamp & Rob Komas

**Climate Change: Earlier Flowering Times' Link to Ecological Disturbances**  
Exploring the mechanism and impact of climate change's potential to create earlier flowering times.
Jenna Castellanos  
*Modesto Junior College*  
Mentor: Talitha Agan

**Diagnosing Cultural Anxieties in New Age Medicine**  

Patrycja Szafran  
*Cabrillo College*  
Mentor: Marcy Alancraig

**Sharing Is Caring**  
*The Power and Tradition of Reciprocal Altruism*  
Using Ohlone culture and philosophy to investigate contemporary wealth inequality solutions.

Galen Tsongas  
*City College of San Francisco*  
Mentor: Matthew Kennedy

**Kichwa Ecotourism**  
*Preserving Tradition in the Globalizing World*  
An examination of the benefits and detriments of ecotourism on an indigenous Amazon culture.

Gabriella Nunez  
*MiraCosta College*  
Mentor: Leah Cluff

**Primordial Past: Northwest Coast Native American Art**  
A presentation of Northwest Coast Native American art from a mythological, societal and cultural perspective.

Christopher Chien  
*MiraCosta College*  
Mentor: Leah Cluff

**The 'Ahh-ness' of Things**  
*An Eastern Look at French Impressionism*  
Impressionism underneath the lens of the Japanese aesthetic *mono no aware.*

Divyashish Kumar  
*College of San Mateo*  
Mentors: David Laderman & Mitchell Smith

**Reviving a Genre: New Wave Science Fiction Writers**  
How Postmodernism and British and American New Wave writers revitalized science fiction.
**Room 13**

**Stella Matteoli McNeil**  
*College of the Redwoods*  
*Mentors: Peter Blakemore & George Potamianos*

**Strikes in the Early 20th Century**  
**Workers, Employers, and Strikebreakers**  
An examination of activism and the role of violence in early 1900s labor disputes.

**Alexandra Golikov**  
*Modesto Junior College*  
*Mentors: Eileen Kerr, Mary Swier & Jason Wohlstadter*

**California’s Appalachia**  
**The Inequality of the Central Valley**  
An analysis of social and economic inequality in California’s Central Valley.

**Jessica Chase**  
*Foothill College*  
*Mentor: Scott Lankford*

**“I Just Don’t Have the Right Papers”**  
**The American Immigrant’s Path to Citizenship**  
A comparative analysis of citizenship paths for contemporary Latin American immigrants with 19th century Chinese and Irish.

**Room 219**

**Maribel Castaneda**  
**Jesus Garcia**  
**Lienchi Pham**  
**Antonio Rios**  
*Sacramento City College*  
*Mentors: Paul Frank & Nadine Kirkpatrick*

**Human Insectivores**  
An examination of the nutritional, economical and environmental components of entomophagy.

**Patrick Mogianesi**  
*Los Medanos College*  
*Mentor: Jennifer Saito*

**Petri Dish Pork: The Science & Ethics of In Vitro Meat**  
The science, economics and ethics of growing meat in a laboratory.

**Jingyuan Yang**  
*Cañada College*  
*Mentor: Paul Roscelli*

**China to California Wine Producers**  
**Evolve or Die?**  
A micro-economic analysis of the effects of shifting global consumer trends on premium California wine producers.
Room 217

Vinitra Swamy  
De Anza College  
Mentors: Donna Stasio & Kanako Suda

**Linguistic Disparities in a Multicultural Society**  
A comparative study of the English language learning intricacies of diverse ESL students.

Ian Rigby  
MiraCosta College  
Mentor: Lynne Miller

**The Genetics of Language**  
An investigation of the role of the FOXP2 gene in the physiology and evolutionary timeline of speech and language.

Maria Kossenko  
Foothill College  
Mentors: Ben Stefonik & Nick Tuttle

**The Limits of My Language Mean the Limits of My World**  
How native language acquisition influences foreign language learning.

Room 202

Tatymn Snider  
Sacramento City College  
Mentor: Paul Frank

**Is Cross-Cultural Psychology Fading?**  
**Globalization’s Effect on Psychological Cultural Identity**  
A cross-cultural examination of the rise in adolescent depression, anxiety, and suicide rates in China and the United States.

Bridget O’Brien  
MiraCosta College  
Mentor: Thao Ha

**Warped Vision: Visual Imagery and the Neurobiology of Body Dysmorphic Disorder**  
How visual imagery may exacerbate the severity of Body Dysmorphic Disorder.
Session II Presentations   11-12 p.m.

All presenters and attendees are expected to arrive no later than 11 a.m. and stay for the entire session. Please refrain from entering the room once the session is in progress.
### Room 305

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<tr>
<th>Presenter</th>
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<tr>
<td>Kayla Orlinsky, Milena Tintcheva</td>
<td>Protecting our Nurses</td>
<td>A mathematical model to demonstrate the risks of overcrowded waiting rooms on the spread of Ebola.</td>
</tr>
<tr>
<td>Emma Stavropoulos</td>
<td>What Can Evolutionary Game Theory Reveal About Cancer?</td>
<td>Evolutionary game theory may be used to analyze cancer cell populations and reveal optimal treatment conditions.</td>
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<tr>
<td>Farshud Sourourifar</td>
<td>Squaring a Circle</td>
<td>What a 3000 year old math puzzle suggests about problem solving.</td>
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<tr>
<td>Trevor Reynolds</td>
<td>The Living Document of a Dying Moment</td>
<td>A comparative analysis of the visual manifestation of impending mortality in five artists' photographs.</td>
</tr>
<tr>
<td>Sean Vallor</td>
<td>Nietzsche and Rothko</td>
<td>A comparative examination of the lives, works, and philosophies of Friedrich Nietzsche and Mark Rothko.</td>
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### Room 303

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Room 205

Ritvik Dhavale  
Foothill College  
Mentor: Scott Lankford

**Dracula: A Feminist Critique**  

Marlon Gaytan Jr.  
Skyline College  
Mentor: Kathleen Feinblum

**Monsters Among Us**  
A Literary Analysis of a Grotesque Social Paradigm  
An intertextual investigation of the modern creation of "monsters" through the oppression of marginal populations.

Beth Hightower  
De Anza College  
Mentor: Julie Pesano

**Ouroboros, Interrupted**  
Oedipal Impulses and Devastating Dichotomies  
An examination of Mary Shelly's Frankenstein through the lens of Oedipal instincts.

Room 203

Grace Babayan  
Los Medanos College  
Mentors: Marie Arcidiacono & Jennifer Saito

**Chick Magnet**  
How to Attract More Women into STEM Fields  
A case study analysis of STEM gender gap remediation interventions in East Contra Costa County.

Eleni Jacobson  
College of San Mateo  
Mentors: Jeremy Ball & Kimberly Escamilla

**Beauty is a Beast**  
Modern Manifestations of Naomi Wolf's *The Beauty Myth*  
How the gender gap in STEM and other male-dominated fields can be explained by society's obsession with women's appearances.

Devon Lukasiewicz  
MiraCosta College  
Mentor: Thao Ha

**Skin Over Skills: The Sexualization of Female Athletes**  
Using interviews and content analysis to demonstrate second-class treatment for women in action and combat sports.
Room 107

**Aric Deardorff**  
*MiraCosta College*  
*Mentor: Christopher Sleeper*

**The Fifth Great Awakening and the Battle for America’s Soul**  
An analysis of "Great Awakening" movements in American history and the potential for a contemporary revival.

**Janette Bustos**  
*Los Medanos College*  
*Mentors: Liana Padilla-Wilson & Jennifer Saito*

**The Rule of the Orisha: Santeria’s Undeserved Reputation**  
A historical and participant-observer analysis of Santeria religious practices in the Bay Area and Central Valley.

**Kelly Dailey**  
*Modesto Junior College*  
*Mentor: Andrew Hayes*

**U.S. Paganism: Countercultural Legacies**  
The influence of 1960s feminist and environmental concerns on the contemporary Pagan community.

Room 30

**Bahareh Sorouri**  
*Irvine Valley College*  
*Mentor: Jawad Ali*

**Neurolaw on Hold**  
An evaluation of the applicability of neuroscience in judicial court systems for determining culpability and intentionality.

**Nestor Aquino**  
**Rachel King**  
**Nicole Wassef**  
*Citrus College*  
*Mentor: Brian Waddington*

**Searching for the Fountain of Youth**  
**An Inquiry into the Function of Telomerase**  
The medical and social repercussions of the enzyme's telomerase's potential for extending life expectancy.

**Olivia Owens**  
*Cabrillo College*  
*Mentor: Steven Schessler*

**The NSA of DNA**  
**The Unauthorized and Secret Use of Human Tissue**  
An ethical analysis of the commercialization of human tissue collected by U.S. hospitals.
Room 13

Ciera Soliz
Las Positas College
Mentor: Mona Abdoun

A Population in the Shadows
Autistic Adults in America
A discussion of Autism Spectrum Disorder in American adults and its social effects.

Diego Huston-Isais
Sacramento City College
Mentor: Ann Lewis

The Future of Geriatrics
Attachment and Robotic Caregivers
How evolving human relationships with technology could impact geriatric care.

Anthony Lazzarino
Kevin Luong
American River College
Mentor: Michael Grofe

Are You Dating a Robot?
A presentation of a bot developed to carry on human-like conversations.

Room 219

Karan Arora
Los Medanos College
Mentor: Jennifer Saito

Made in Palo Alto
Stanford's Dominance in the Technology Start Up World
A critical and comparative examination of Stanford's tech entrepreneurship programs.

Mahnoor Mian
MiraCosta College
Mentor: Lynne Miller

Altruism and Risky Business
An exploration of the biological foundation for economic decisions.
Room 217

Colt Gordon
MiraCosta College
Mentor: Lynne Miller

Sex Sales and So Do People In Thailand
How the Thai government and US Military officials enable the exploitation of sex workers.

Vincent Tran
Fullerton College
Mentors: Jodi Balma & Sheilah Dobyns

Human Trafficking: Southeast Asia’s Victims
The weakness of the legal processes to reduce human trafficking amongst Southeast Asian victims in Western Nations.

Room 202

Jorge Mancillas
San Diego Mesa College
Mentors: Tanya Kravatz & Ron Ryno

ISIS and Gang Activity
A presentation of the emerging international model of gang violence and global terrorism.

Cole Barnett
Gus Gaytan
Lauren Melenudo
Alex Park
Pathik Sheth
Foothill College
Mentor: Eta Lin

The Risk Gap
Are self-reported perceptions of risk-taking reliable predictors of risky behavior?

Abigail Young
Cabrillo College
Mentor: Nick Rowell

Surviving Scandal: Comparing the Consequences of Scandal in Gubernatorial Politics
Which factors determine the severity of consequences for political actors in gubernatorial scandals?
All presenters and attendees are expected to arrive no later than 1:15 p.m. and stay for the entire session. Please refrain from entering the room once the session is in progress.
Room 305

Gabriela Moreno Lopez
El Camino College
Mentor: John Coroneus

MRI Hydraulically Actuated System For Biopsy Position
An examination of the impact of different transmission line fluids on biopsy needle placement.

Julio Luis Gopez
American River College
Mentors: Kristina Casper-Denman & Michael Sweet

The Double-Edge of Technology
Challenging the Paradigm of Safe Radiation Exposure
A critical evaluation of established radiation standards.

Zackary Crosley
Los Medanos College
Mentor: Jennifer Saito

Human Meltdown
Why the Fukushima Nuclear Disaster was Preventable
Using paradigm theory to analyze the psychological and cultural causes behind the catastrophe.

Room 303

Rachel King
Citrus College
Mentor: Senya Lubisich

The Weight of Her Heart: Wu Zetian in Perspective
An examination of historian bias towards the sole female Emperor of China and its effect on contemporary views of powerful women.

Wyatt Bennett
Modesto Junior College
Mentor: Al Smith

Age Undreamed
Eurasian Nomads, Gender, and Globalization
The unrecognized story of female nomads in early Eurasian history.

Rachel Anderson
Los Medanos College
Mentor: Kristen Koblik

Where Credit Is Due
How the Art World Reflects Evolving Sexual Politics
Tracing the development of sexism through the historical discredit of female artists.
Matthew Lambuth  
*Los Angeles City College*  
*Mentor: C. Marc Blake*

**The Dynamic Pulse**  
**Bringing Aleatoric Hip-Hop to Life**  
A performance demonstration of the use of a progressive automation clip to create music.

Dionne Pickard  
*College of San Mateo*  
*Mentors: Mohsen Janatpour & Darryl Stanford*

**The End of Individuality**  
**Sacrificing Earthling Identity**  
An analysis of the plausibility and sociological effects of extraterrestrial colonization.

Justin Tom  
*Skyline College*  
*Mentor: Mustafa Popal*

**Street Art: The Last Frontier of Individualism**  
How street art transforms traditional notions of art against the backdrop of commercialized public space.

Joseph Luck  
*El Camino College*  
*Mentor: Joan Thureson*

**Capitalism and Satisfaction: Measuring National Well-Being Through Wealth vs. Through Happiness**  
A comparative examination of the U.S. and Bhutan's economic and government ideologies.

Nicole Arasteh  
*Moorpark College*  
*Mentors: Laura Forsyth & Kelly Kent*

**Living in the Moment**  
**An Exploration on Mindfulness and Stress**  
Exploring the impact a 1-hour weekly mindfulness practice had on Moorpark College students.

Edwin DerSookiassian  
*Glendale Community College*  
*Mentor: Michael Harnett*

**Mind and Body Dualism**  
An inquiry into the effects of meditative practices on overall health.
Session III: 1:15 - 2:15 p.m.

Room 107

Anuninderjeet Virk  
Glendale Community College  
Mentor: Michael Harnett

Reaching Peak Performance With Visualizations
Exploring the mind-body connection through a visualization experiment.

Brianne Visaya  
Los Medanos College  
Mentors: Marie Arcidiacono & Jennifer Saito

[Insert Title Here]: Testing an Honors Program’s Claims of More Creative Curriculum
Do Los Medanos College's honors courses require more creativity than regular classes?

Karis Tanksley  
MiraCosta College  
Mentors: Lynne Miller & Bob Turner

How to Lose Students and Create Failures
How the structure of the reading brain suggests a disconnect between curriculum geared towards standardized testing and how children best learn to read.

Room 30

Travis McEntee  
Crafton Hills College  
Mentor: T.L. Brink

Bird of a Feather: Do Opposites Attract?
A presentation of two surveys exploring the personality dynamics of mate selection.

John Villanueva  
Los Medanos College  
Mentors: Liana Padilla-Wilson & Jennifer Saito

The Rise of the eAthlete  
What Online Gaming Means for the Future of Athletics
A comparative examination of the history, culture and impact of electronic versus traditional ball sports.

Heruy Wolde-Yohannes  
Mount San Antonio College  
Mentor: Rebecca Hatch

Eudaimonia: Aristotle’s Three Types of Friendships and Social Networking
How Aristotle's three components of friendship translate into our technologically obsessed society.
Christopher Pitts  
*College of the Redwoods*  
Mentors: Peter Blakemore & George Potamianos  

**Crafting Class**  
*Race, Labor and US Foreign Policy in the Philippines*  
A historical analysis of U.S. policy's role in the creation of a subordinate Filipino working class.

Josh Slowiczek  
*Cosumnes River College*  
Mentors: Martin Morales & Richard Schubert  

**Dogs of War, Days of Democracy**  
An analysis of the use and implications of private security contractors by the U.S.

Djineva Reneau-Tuzzolino  
*College of the Redwoods*  
Mentors: Peter Blakemore & George Potamianos  

**The Americanization Movement during the Progressive Era**  
A presentation of the many ways immigrants were indoctrinated into more "American" lifestyles from the 1890's to 1930's.

Room 219

Nicholas Eskow  
*Los Angeles City College*  
Mentor: Danielle Muller  

**Zones of Civilization: Amin Maalouf and the Vocabulary of History**  
An examination of the language used to describe history and modernity, and potential limitations thereof.

Kenny Davis  
*Saddleback College*  
Mentors: Margot Lovett & Jedrick Mularski  

**The Egyptian Arab Spring**  
*Social Media as a Basis for Social Identity*  
How Arab social identity formed in Egypt through social media during the Arab Spring.

Fatima Alamire  
*Irvine Valley College*  
Mentor: Jodi Titus  

**Hydropolitics: Waging a Water War**  
An investigation of the geopolitics of Palestinian water rights.
Taylor Buck
Sacramento City College  
Mentor: Sherri Patton

**The Consequences of Gender Classification in India and the American Colonies**
An analysis and comparison of third gender constructs in colonial United States of America and modern-day India.

Christian Barajas
Cabrillo College  
Mentor: Don Adkins

**Il Dolce Suono - The Sweet Sound**
An exploration into the practice of male genital mutilation to preserve the singing voice.

Emilia Vitti
El Camino College  
Mentors: Karen Whitney & Rachel Williams

**Swimming: A Pre-Industrial Historical Approach Regarding Masculinity, Gender Roles, and Homoeroticism**
A close analysis of Thomas Eakins' painting reveals challenges to traditional 19th century beliefs.

Eleanor Sammons
City College of San Francisco  
Mentor: Rebecca Ancheta

**I Think I Can: A Correlational Study**
How our beliefs in our own capacities impact overall life satisfaction.

Elizaveta Harvey
Orange Coast College  
Mentors: Teresa Scarbrough & Jessica Treglia

**Determinism or Free Will: Analysis of Rodion Raskolnikov's Actions in Crime and Punishment**
An exploration of deterministic suffering and free will in Dostoyevsky's *Crime and Punishment*.

Francisco Aviles Pino
Fullerton College  
Mentor: Alejandro Gradilla

**BROS: Practicing Freedom Through Civic Engagement**
A self-reflective case study of a program designed to empower and assist "at risk" young men.
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