

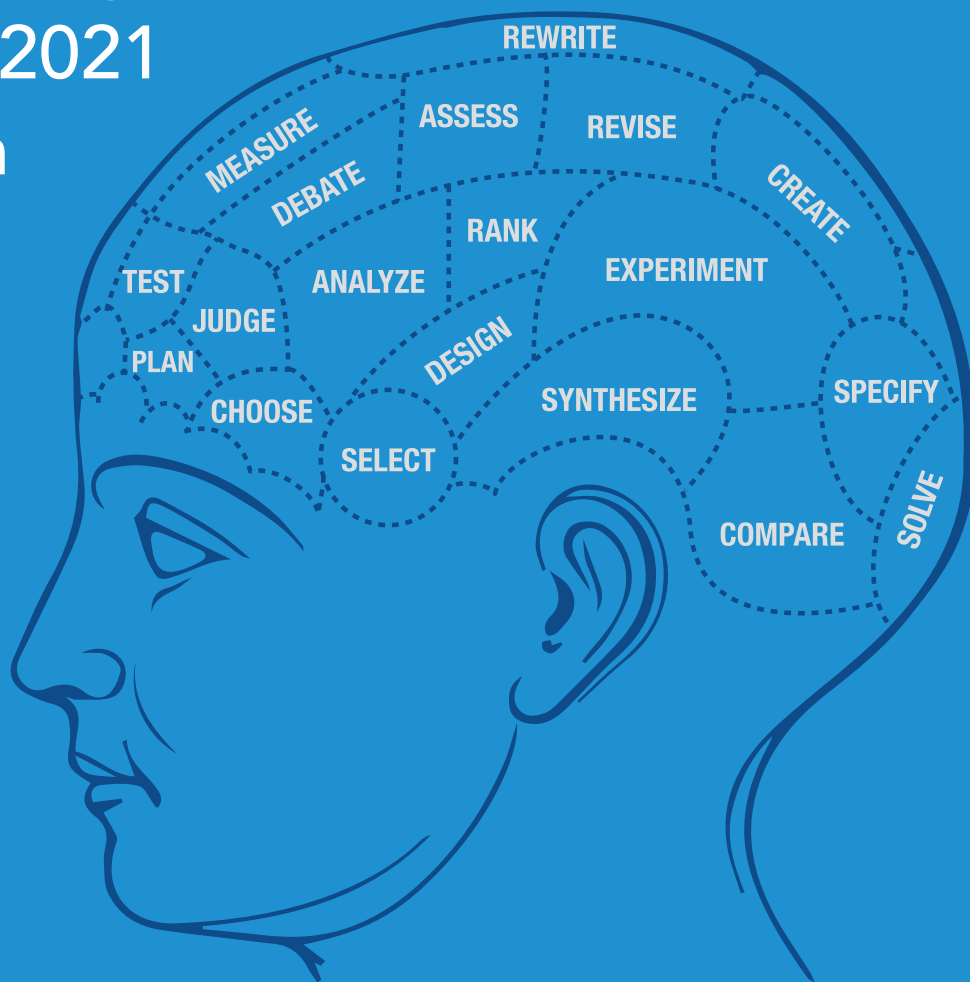
10th Annual Irvine Valley College and Saddleback College

# STUDENT RESEARCH SYMPOSIUM

Irvine Valley College

November 13, 2021

9 am – 3:30 pm





# 10<sup>th</sup> Annual Irvine Valley College/Saddleback College Student Research Symposium

**Saturday, November 13, 2021**

## **PROGRAM**

9-9:30	Welcome
9:30-11	Session 1 Oral Presentations: Choose Room A, B, C, or D
11-12	Keynote Address
12-12:30	Lunch at the Zoom Café
12:30-1:30	Session 2 Poster Presentations: Choose Gallery A, B, or C
1:30-3:00	Session 3 Oral Presentations: Choose Room A, B, C, or D
3-3:30	Closing and Awards

See schedule below for Zoom links

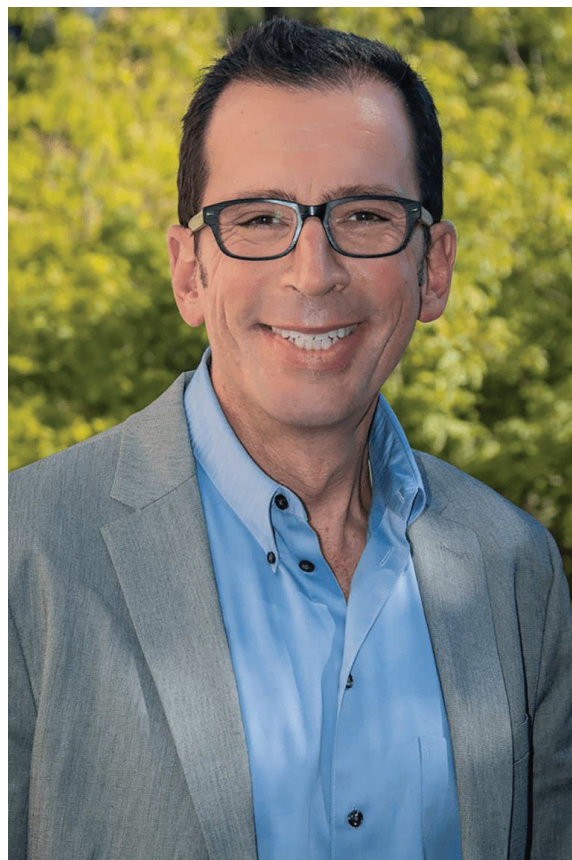
# Welcome Session

9-9:30 am

[Click Here to Join](#)



**Dr. John Hernandez**  
**President**  
**Irvine Valley College**



**Dr. Elliot Stern**  
**President**  
**Saddleback College**

# Session 1: Oral Presentations

9:30-11 am

## Room A: Zoom link

**John Ali**

Mentor: William Etter

**Moneyball: The Problem with Subsidized Sports Stadiums**

While sports stadiums may have some influence over local economies, their economic impact isn't great enough to warrant the use of tax dollars.

**Adnan Aman  
Shivum Berry**

Mentor: Ho Jin Lee

**The Federal Reserve's Impact on the Economy through Monetary Policy**

This paper explores how effective the Federal Reserve is at curbing economic downturns and preventing high periods of inflation through monetary policy.

**Yohann Byun**

Mentor: Mark Collinson

**The Unemployment Debate: The Controversy over Higher Minimum Wage's Impact on Employment**

Minimum wage increases have been considered harmful to employment, but businesses can make adjustments to accommodate wage hikes that mitigate employment effects.

**Alexandrea Wong**

Mentor: Mark Collinson

**A COVID-19 State: Economical Analysis and Critique of Comparative Labor Market Effects, Approaches, and Responses**

The Covid-19 pandemic has left many unemployed, which has raised desire and concern for more effective reform of unemployment support policies, outreaches, and programs.

# Session 1: Oral Presentations

9:30-11 am

## Room B: Zoom link

**Shireen Mohamdjawad**

Mentor: Benjamin Mis

**Beliefs and Attitudes Toward Complementary Alternative Medicine (CAM): Placebo as Cure**

This study looks at previous research done on complementary alternative medicine (CAM), people's beliefs and attitudes toward CAM, the placebo effect, and placebo effect responses.

**Ruth Castillo**

**Andrew Cook**

**Hazel Halili**

**Oubadah Alwan**

Mentor: Michael Cassens

**Social Proof Versus Authority Power**

Are you more likely to follow the directive of an authority figure or conform to the similar people around you? We propose a direct test!

**Tyler Wong**

**Brittany Kester**

**Sevilla Leuteneker**

**Lily Franklin**

Mentor: Michael Cassens

**The Interaction Between Person and Situation**

Can personality predict whether you are true to your character or succumb to social forces like an authority figure or a crowd?

**Junko Yen**

Mentor: Michael Cassens

**Are You Happy with Yourself?**

Does "being true to yourself" really bring us happiness? This study explores "happy living" with scientific studies—such as Authenticity and Time Perspective.

# Session 1: Oral Presentations

9:30-11 am

## Room C: Zoom link

**Fallon Lynn Bryan**

Mentor: Emily Liu

**Protecting ALL Children: Preventing Medical Professionals From Performing Gender Normalizing Surgeries on Intersex Children**

Medical professionals across the country perform “gender-normalizing” cosmetic surgeries on intersex children and infants, which have long-term impacts on these children’s mental and physical health.

**Aminah Khan**

Mentor: Emily Liu

**The Entertainment Industry’s Tokenization of the Hijab and its Islamophobic Implications**

This research analyzes Islamophobic biases within the entertainment industry and its contributions to the harmful portrayal of hijabis, resulting in increased in Islamophobia and discrimination.

**Karis Kim**

Mentor: Lewis Long

**The Reality of a Woman’s Social Status: A Feminist Perspective of Jane Austen’s *Northanger Abbey***

Austen represents Catherine Moreland’s experiences and Isabella Thorpe’s manipulative tactics for a “successful match” to explore feminine status and value in the Regency marriage market.

**Jenice Jo**

Mentors: Danelle Huggett and Emily Liu

**Childhood Thoughts: The Harmful Power and Effects of One Dimensional, Nurtured Perception**

Due to a child’s ability to create a strong moral foundation, it is significant to acknowledge the harmful effects of one dimensional teachings from society.

# Session 1: Oral Presentations

9:30-11 am

## Room D: Zoom link

**Dena Norouzi**

Mentor: Adam Ghuloum

**The Effects of the COVID-19 Pandemic on Single Mothers**

This literature review was conducted about all the different ways that single mothers were affected by the Covid-19 pandemic.

**Mehul Mullik**

Mentor: Emily Liu

**Misinformation: The Invisible Virus Hidden in The COVID-19 Pandemic**

My research is about the issue of misinformation in the COVID-19 pandemic, aimed to educate readers about the causes and possible solutions to prevent misinformation.

**Constanza Perez**

**Jerar Palian**

Mentor: Jennifer McKinney

**The Reasons Why We Should Be Taking Care of Our Coral Reefs**

Literature review of methods being utilized to combat the problem of global warming and ocean acidification, with CRISPR/Cas9 being the most effective option.

**Arman Meysami Tabriz**

Mentor: Keith Donavan

**Different Methods of Chemical Recycling of Plastics**

In this presentation, various methods of recycling plastics will be presented with specific emphasis on chemical recycling of plastics and Recent advances in chemical recycling.

# Keynote Address

## 11 am-12 pm

[Click Here to Join](#)

### **“Migrant Conversions: Money, Religion, and Global Projects of Peruvians in South Korea”**

**Dr. Erica Vogel**

**Saddleback College**



Erica Vogel is Professor of Anthropology at Saddleback College. She is a cultural anthropologist who conducts fieldwork primarily in South Korea, Peru, and Mexico looking at issues of globalization, migration, religious conversion, and transnational flows between Asia and Latin America. Her book called *Migrant Conversions: Transforming Connections Between Peru and South Korea* was published by the UC Press in 2020 and is based on 24 months of fieldwork in Peru and South Korea with migrants and their families, their religious leaders, and government officials. Her current research project is funded by a grant from Mellon/ACLS and is called “K-Pop in Mexico: Creating and Consuming Globalization through *La Ola Coreana*.” She is also a Co-PI with Claire Cesareo on an ethnographic pilot project called “Exploring Equity at Saddleback College.” She received her PhD in anthropology from the University of California, Irvine and held a Korea Foundation Postdoctoral Fellowship at the University of Illinois Urbana–Champaign.

### **Lunch at the Zoom Café**

**12-12:30 pm**

Following the keynote address, we invite you stay in the Zoom room and bring your lunch to enjoy some informal conversation and relaxation before our exciting afternoon presentations begin.



# Session 2: Poster Presentations

## 12:30-1:30 pm

To view posters, click on the presentation titles.

### Gallery A: Zoom link

**Ava Fakharpour**

Mentor: Julie Herold

#### The Impacts of Mental Health on Physical Health

While mental health has a significant impact on physical health, strategies can be implemented to improve mental health, ultimately, preventing disease and decreasing mortality rates.

**Gennavie M. Johnson**

Mentor: Kari Tucker

#### Yoga as a Means to Increase Resilience and Grit

In this quasi-experiment, we aimed to discover if practicing yoga twice a week for 3 weeks would increase a student's levels of Resilience and Grit.

**Sawsan Dibseh**

**Zoe Dietz**

**Jenny Lopez**

**Dena Nikooja**

**Elizabeth Zapata**

Mentor: Sarah Sabet

#### College Life: How the Pandemic Led to Decrease in Mental Health

Behavioral patterns and decision-making of college students during the pandemic led to a decrease in mental health reports.

**Lisa Sui**

Mentor: Zelida Keo-Trang

#### Secure Your Shares: Examining the Association of Attachment Prototypes and Distress Disclosure

This study explores the relationships between four attachment traits and distress disclosure, with additional consideration to possible gender and age differences to distress disclosure.

# Session 2: Poster Presentations

## 12:30-1:30 pm

To view posters, click on the presentation titles.

<b><u><a href="#">Gallery B: Zoom link</a></u></b>	
<b>Kirin Naicker</b> Mentor: Jennifer McKinney	<b>Bacterial Resistance to Antibiotics</b> Reducing bacterial resistance to antibiotics through medical and lifestyle changes.
<b>Nazanin Rouhghodsinia</b> Mentor: Jennifer McKinney	<b><u><a href="#">The Solution to Antibiotic Resistance</a></u></b> This paper describes and highlights a solution developed for the global issue of antibiotic resistance, which is mainly due to the evolutionary changes of bacteria.
<b>Ramsey Tawfik</b> Mentor: Lan Pham	<b>Evidence Hidden in the Data: Does the Increase of Carbon Emission Lead to Rise in Temperature?</b> Statistical analysis of carbon emission data to look for evidence of climate change.
<b>Anna Yuan</b> Mentor: Lan Pham	<b>Mathematical Modeling of Solar Irradiance in Irvine to Study Climate Change</b> Mathematical modeling of solar irradiance to study California's drought; examining evidence of climate change and global warming through changing trends.

# Session 2: Poster Presentations

## 12:30-1:30 pm

To view posters, click on the presentation titles.

### [Gallery C: Zoom link](#)

**Rachel Abalos**

Mentor: Chris Loeffler

[What We Left with the People We Left Behind: How the Legacies of Vietnam War and WW2 Continue to Hurt the Health of Vietnamese and Filipino Populations](#)

The Vietnam War and imperialism in the Philippines left lasting effects on the health of Vietnamese and Filipino populations from war environments and economic instability.

**Max Liu**

Mentor: Mark Bordelon

[The Current Assessments on the Rationality of PSHA and DSHA, and Drawbacks to Each Methodology](#)

My research project focuses on explaining the process of calculating seismic hazards, as well as comparing the pros and cons of each seismic hazard analysis.

**Rachel Tufford**

Mentor: Emily Liu

[The Need for Options: Analyzing the Current Treatment Options and Lack of Awareness for Trichotillomania](#)

Millions suffer globally from Trichotillomania; most of them have never received proper treatment. lack of research is evident due to the lack of proper awareness.

**Angel (Yiting) Xie**

Mentor: Emily Liu

[Barriers to Women Joining STEM: Looking at the Role of Mathematical Self-Concept and Self-Efficacy](#)

This research investigates low mathematical self-concept and self-efficacy as causes for the gender gap in STEM majors and provides recommendations to address this issue.

# Session 3: Oral Presentations

1:30-3 pm

## Room A: Zoom link

### **Anahi Aguilon**

Mentor: Anwar Hijaz

### **The Constitution and Modern Privacy Expectations of the Technological Age**

When technological disputes arise, courts rely on Constitutional laws and previous court rulings that predate the technological age; I investigate the resulting privacy issues.

### **Sara Abrahamsson**

Mentor: Bill Billingsley

### **Muralism and Marxism: Contextualizing Revolutionary Politics in Early 20th Century Mexican Art**

Inspired by the Mexican Revolution, Muralism reflected an interest in working class empowerment. This research will demonstrate how Muralists embraced Marxism within their artworks.

### **Nathan Akiyoshi**

Mentor: Joon Kil

### **Japanese American Redress: Factors that Led to the Civil Liberties Act of 1988**

This project explores the Japanese American Redress movement for their internment by Executive Order 9066 and their success through the Civil Liberties Act of 1988.

### **Kianna Dominick**

Mentor: Emily Liu

### **Reviving the Iran Nuclear Deal**

Although the Iran Nuclear Deal must be remedied and revised to prevent the threat of a future nuclear war.

# Session 3: Oral Presentations

1:30-3 pm

## Room B: Zoom link

### **Samira Feili**

Mentors: Martha Noel and  
Meredith Dorner

### **Advanced Reproductive Technologies for Primary Ovarian Insufficiency (POI) Using Bioengineering Techniques**

Methodologies for cellular and bioengineering techniques to create biological solutions primarily using stem cells to regain female reproduction function upon women with Primary Ovarian Insufficiency.

### **Hasan Jebory**

Mentors: Teresa Bear and  
Emily Liu

### **What Doesn't Kill You Makes You Stronger: The Problem with Teenagers Using SARMs to Build Muscle**

Teenage steroid use has been around since the rise of bodybuilding; however, the recent portrayal and easy accessibility of SARMs has exacerbated the problem.

### **Noor Razmdideh**

Mentor: Deanna Scherger

### **A Toxic Relationship: Understanding the Bond Between Afghanistan and the United States in Terms of Material Values**

Opioid production in Afghanistan has steadily increased under the Taliban, and has been marketed in America through overprescription, as both nations place profits over lives.

### **Mehdi Hajmollaahmad Naraghi**

Mentor: Rolando Ruiz-Vega

### **Brain Tumor Detection Using Deep Convolutional Neural Networks (CNN)**

Brain malignancies are among the most lethal cancers. Using CNN, we were able to detect brain cancers from 2D MRI images using open-source MRI datasets.

# Session 3: Oral Presentations

1:30-3 pm

## Room C: Zoom link

**Amber Ahsan**

**Alicia Hu**

**Ashley Jane Pagador**

Mentor: Michael Cassens

**To Style or Not to Style: The Development of a Style Self-Efficacy Measure**

How confident are you in your ability to present yourself in a stylish way? And why does it matter?

**Karis Kim**

**Kelly Kieu**

**Emily Otero**

Mentor: Michael Cassens

**Does Saying “Bitch” Mean You’re Sexist?: How Language Reveals Underlying Sexism**

“Hey bitches!” Does sexism still exist in our language use? This study explores how the words we use might be associated with gender.

**Yasaman Nassab**

Mentors: William Etter and  
Emily Liu

**A Comparison Between the Effects of Trauma from Children in El Salvador and Haiti**

Comparing effects of childhood trauma in the two distinct countries of El Salvador and Haiti to find common factors potentially perpetuating trauma despite cultural difference.

**Jasper Thomas**

Mentor: Benjamin Mis

**Linguistic Prescriptivism and Predictive Text**

This experiment explores a possible link between predictive text and linguistic prescriptivism, experimentally testing whether being exposed to predictive text will increase linguistic prescriptivist attitudes.

**Kelvin Vu**

**Jasmin Navarrete**

**Peroshat Saeidi**

Mentor: Benjamin Mis

**Quantitative Judgments of Advantages: How We Place Values on Desired Characteristics**

The perceptions of others plays an important role in the ways in which we interact with and judge individuals which are influenced by different characteristics.

# Session 3: Oral Presentations

1:30-3 pm

## Room D: Zoom link

**Anna Nahm**  
**Apoorva Gunti**  
**Anisha Samanta**  
Mentor: Kurt Meyer

**First and Foremost: How Online Community College Education Fails to Prioritize First-Generation Students**  
Online education is not one-size-fits-all. First-generation community college students face a second pandemic of self-doubt and drop rates.

**Sona Karun**  
Mentor: Benjamin Mis

**Impact of the College Prestige Structure on College Choice in Southern California**  
Karun examines the impact of U.S. News & World Report rankings on assessments of college instructional quality and socioeconomic bias in Southern California.

**Bryan Nguyen**  
Mentor: Liz Burkhalter

**How Social Media Empowers Generation Z to Engage in “Cancel Culture”**  
Social media platforms such as Twitter, Instagram, and Facebook empower Generation Z to enforce the “Cancel Culture” movement by amplifying and permitting online collective expression.

**Jenny Lopez**  
Mentors: Sarah Sabet and  
April Cabbage

**“Profit Over Country”: Facebook’s Role in Perpetuating Mental Illness, Media Addiction, and Division**  
A healthy online ecosystem can prevent social media addiction, mental illness, and division, assessing Facebook’s methods of perpetuating dangerous engagement lies the roadmap to reform.

# Closing Session and Awards

## 3-3:30 pm

[Click Here to Join](#)

Join us for presentation of awards for outstanding posters and research posters.

We also encourage you to consider submitting your abstract for the UCI Community College Honors Research Conference, which will be held online on March 26, 2022.

The Honors Transfer Council of California  
Proudly Announces  
**The 22nd Annual UCI  
Community College  
Honors Research  
Conference**  
March 26, 2022  
hosted virtually this year by  
the University of California, Irvine

Students who want to apply must submit to their campus Honors Program Director a 250-word research abstract that has been approved by their faculty mentor. Abstracts are due in early December. See the [student guide](#) and consult your campus Honors Program for campus-specific deadlines and instructions:

Professor Emily Liu

IVC Honors Program

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Professor Alannah Rosenberg

Saddleback College Honors Program

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