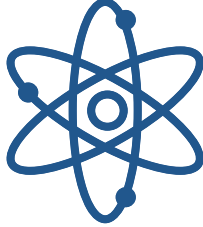


20  **21**

"Meeting of the Minds"

Student Research Symposium

Oral Presentations | Poster Presentations | Art Exhibits



Office of Student Research

20  21

"MEETING OF THE MINDS"
Student Research
Symposium

10th Annual "Meeting of the Minds" Student Research Symposium

April 15th, 2021

Hosted by





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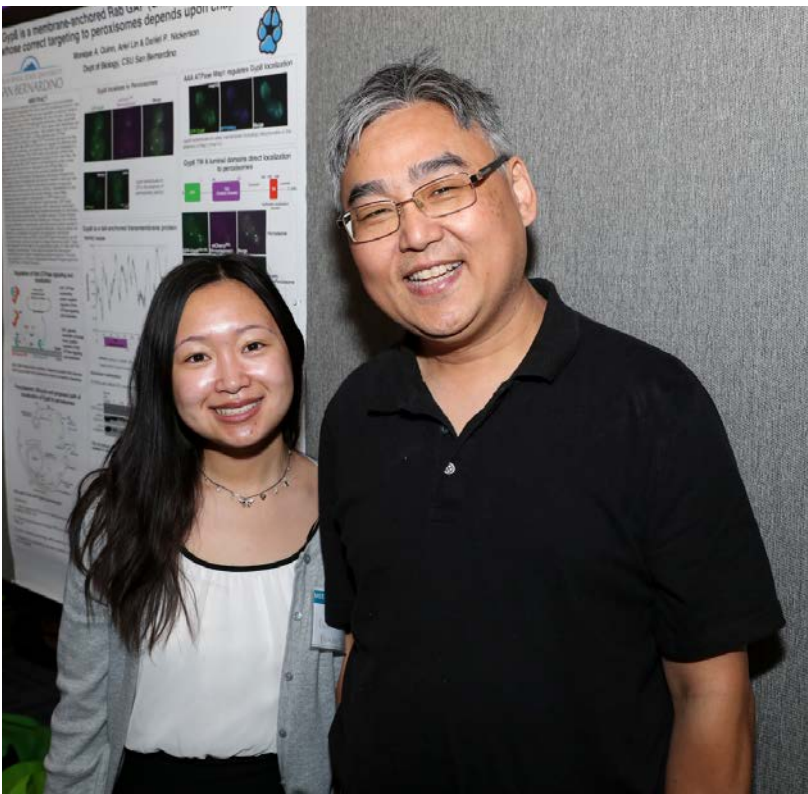
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Message from Dr. Dorota Huizinga



Dorota Huizinga, Ph.D.
Associate Provost for Academic Research
and Dean of Graduate Studies

Dear Colleagues and Students,

Welcome to the 10th annual "Meeting of the Minds" Student Research Symposium!

Over the past ten years, the "Meeting of Minds" has showcased research and creative activities of thousands of CSUSB students mentored by hundreds of faculty, and it became the CSUSB's flagship event! Many of the past participants moved on to very competitive graduate programs and successful professional careers. Like each year, this year's symposium brings together faculty and students from all disciplines across five academic colleges. And despite the challenges posed by the COVID 19 pandemic, more than 145 students are presenting their work in the oral and poster sessions, including three art exhibits! The students will compete for 20 awards, the winners of which are selected by faculty jurors who will score and rank all presentations. The awardees will be announced at Recognition of Faculty Mentors and Student Researchers on April 16th, 2021. Congratulations to all student presenters and their dedicated faculty mentors who have guided and encouraged students in their research!

I would like to thank President Tomás Morales and Provost Shar McMahan for their unwavering support of student research, and our distinguished guest speaker Dr. Azizi Seixas who is visiting us virtually from New York University to present on "Re-imagining Healthcare for All – Technology, Inequity and the Healthcare Gap." And, many, many thanks to the Office of Student Research for coordinating yet another year's symposium. I am very grateful for their extraordinary work on this and many other student-centered programs.

I hope that you enjoy CSUSB's 10th Meeting of the Minds!

-Dorota



Message from Dr. Ryan Keating



Ryan Keating, Ph.D.
Professor of History
Director, Office of Student Research

Dear Colleagues and Students:

It is with great pleasure that I have the opportunity to welcome you all to the Office of Student Research's (OSR) 10th annual "Meeting of the Minds" Student Research Symposium. For the past decade, this event has served as our office's keynote event—a space for students and their faculty mentors to showcase their research and creative projects—and a place for our campus community to celebrate the long tradition of excellence in research and mentorship at California State University, San Bernardino (CSUSB). This past year has truly tested our campus community in a multitude of ways, as the COVID-19 crisis has continued to impact all aspects of our lives and created seemingly insurmountable challenges. Yet, in spite of this, our students and faculty have persevered, displaying incredible resolve as they found unique ways to continue their research, scholarly, and creative activities in the face of the hardship. This year's "Meeting of the Minds" stands as a testament to their strength and commitment. I am humbled by your achievements, and hope that all of today's presenters take immense pride in the accomplishments showcased here today, and that all of the visitors from the campus community and beyond, applaud our students and their mentors for their continued commitment to excellence in research, scholarly, and creative activities at CSUSB.

I would like to extend my sincerest gratitude to our faculty mentors and volunteers who day-in and day-out go above and beyond in support of their students and the activities of the OSR. The growth of our office over the last decade, and our ability to support students in dynamic and creative ways, is largely made possible by your dedication to student success and the opportunities you provide to our students. Thank you all for your support and attendance today, and I hope you will continue to participate in future OSR events.

- Ryan



Agenda

"Meeting of the Minds" Student Research Symposium April 15th, 2021

11:30 a.m. - 12:00 p.m.

Opening Ceremony

11:30 a.m.

Welcome with Dr. Dorota Huizinga

11:40 a.m.

Special Remarks with President Tomás Morales

11:45 a.m.

Introduction with Dr. Ryan Keating, Director of OSR

12:00 p.m. - 12:50 p.m.

Guest Speaker

Dr. Azizi Seixas

Assistant Professor, NYU School of Medicine

Re-imagining Healthcare for All-Technology, Inequity, and the Healthcare Gap

1:00 p.m. - 2:00 p.m.

Poster Presentations & Art Exhibits

2:30 p.m. - 6:30 p.m.

Oral Presentations

2:30 p.m. - 4:00 p.m.

Student Presentations I

4:30 p.m. - 6:30 p.m.

Student Presentations II



Guest Speaker: Dr. Azizi Seixas



Azizi Seixas, Ph.D.

Assistant Professor, NYU School of Medicine

***Re-imagining Healthcare for All- Technology, Inequity,
and the Healthcare Gap***

Dr. Azizi Seixas is an Assistant Professor at NYU Langone Health in the Department of Population Health and Department of Psychiatry. Dr. Seixas' research broadly focuses on three areas: 1) multilevel determinants of sleep, brain and mental health, aging, and cardiovascular disease disparities, 2) long-term health consequences of cardiovascular disease (CVD) and mental health disparities, and 3) developing adaptive, group-tailored, and personalized behavior modification interventions, with the use of machine learning analytical tools and translational artificial intelligence, to improve health and well-being.

Dr. Seixas is recognized as one of the top 100 Inspiring Black Scientists in America by Cell Press. Dr. Seixas has over 100 high-impact peer-reviewed publications, book chapters, and conference presentations. His work appears in several media outlets such as CBS, CNN, NBC, Associated Press, The Guardian, Huffington Post, and he is the sleep expert for NBC Health News. He is currently the Chair for the American Academy of Sleep Medicine Young Investigator Research Forum, member of the Artificial Intelligence and Machine Learning sub-committee for the American Academy of Sleep Medicine, serves on the NCAA and Department of Defense Task Force on mental health, and the Director of Early Career Faculty Development for the Department of Population Health at NYU Langone Health.

Dr. Seixas is a prolific and well-sought-after speaker on a wide range of topics that include: the role of sleep on health and performance, how to improve sleep quality, personalizing one's lifestyle and health behaviors to achieve successful, fulfilling, and healthy lives, the use of technology (such as artificial intelligence, precision medicine, and machine learning) to improve health outcomes and health systems, social commentaries and solutions on how to improve healthcare, personalized and strategic career planning and development, and role of wrap-around mentorship in organizations and corporations for staff and executive development.



Outstanding Graduate Student Research & Creative Activities Awardee



Text



Outstanding Undergraduate Student Research & Creative Activities Awardee



Text



"Meeting of the Minds" Faculty Jurors

We would like to extend our deepest gratitude to our volunteer faculty jurors for their time and support of today's event.

College of Arts & Letters

Dr. Esteban Cardoba
Dr. Theo Mazumdar
Dr. Thomas Girshin

College of Business & Public Administration

Dr. Benjamin Becerra
Dr. Dhruv Khurana
Dr. Jing Zhang
Dr. Monty Van Wart
Dr. Victoria Seitz

College of Education

Dr. Jemma Kim
Dr. Nicole Klimow

Pfau Library

John Hernandez

College of Natural Sciences

Dr. Amir Ghasemkhani
Dr. Andreas Beyersdorf
Dr. April Karlinsky
Dr. Bilal Khan
Dr. David Maynard
Dr. Fadi Muheidat
Dr. Hani Aldirawi
Dr. Jason Burke
Dr. Jennifer Carhart
Dr. Jennifer Jin

Dr. Jeremy Mallari
Dr. Kasey Harding
Dr. Kimberley Cousins
Dr. Lua Lopez
Dr. Mahmood Nikbakhtzadeh
Dr. Neal Malik
Dr. Salome Mshigeni
Dr. V. Ambati
Dr. Wagner do Prado
Dr. Xiaoxu Jiang
Dr. Zhaojing Chen

College of Social & Sciences

Dr. Christina Hassija
Dr. Emily Carian
Dr. Fabian Borges
Dr. Hareem Khan
Dr. Jacob Jones
Dr. Leslie Amodeo
Dr. Luba Levin Banchik
Dr. Manpreet Dhillon Brar
Dr. Maria Santos
Dr. Michael Karp
Dr. Miranda McIntyre
Dr. Miriam Fernandez
Dr. Nerea Marteache
Dr. Nicole Collier
Dr. Rajrani Kalra
Dr. Reveka Shteynberg
Dr. Stacy Forcino
Dr. Zachary Powell



"Meeting of the Minds"

Poster Presenters

College of Arts & Letters

Monica Gutierrez

Faculty Mentor: Dr. Andre Harrington

Title: *Environmental Costume Design*

Rimie Marandy

Faculty Mentor: Dr. Brittany Bloodhart

Title: *Republicans vs. Democrats: The Impact of COVID-19 Media Consumption on Risk Perceptions and Health Behaviors*

Ordando Prieto

Faculty Mentor: Dr. Bradley Spence

Title: *Homosexuality and Religion*

Education

MacKenzie Feeken

Faculty Mentor: Dr. Roderick O'Handley

Title: *Systematic Review of Teacher Training Procedures for Implementing Evidence-Based Practices for Students with Autism Spectrum Disorder*

Natural Sciences

**Yazed Alkhotaifi, Ali Alharthi
& Yasser Moghrbel**

Faculty Mentor: Dr. Fadi Muheidat

Title: *Keep Track of Social Distance with Absolute Security!*

Business & Public Administration

**Xavier Espinoza, Raghavendra Kumar
Indla & Emiliana Merida**

Faculty Mentor: Dr. Benjamin Becerra

Title: *Development of a Novel Automated Prediction Tool for Pediatric Obstructive Sleep Apnea using Electronic Health Records*

Diana Olvera-Chavez

Faculty Mentor: Dr. Melika Kordrostami

Title: *Consumer Socialization Influence the Hispanic Cultures in the United States*

Justin Matthew Baisa

Faculty Mentor: Dr. Joseph Heras

Title: *Evolutionary Analysis of Hemoglobin Genes Across Multiple Species of Rockfishes (Genus: Sebastes)*

Sean Christopher Bonilla

Faculty Mentor: Dr. Nicole Dabbs

Title: *The Effects of Body Composition on Dynamic Balance in Collegiate Athletes*



**Julio Castaneda, Pablo Trujillo
& Ronaldo Torres**

Faculty Mentor: Dr. Fadi Muheidat
Title: CSE:GO

Anthony Castro

Faculty Mentor: Dr. Jason Burke
Title: *Characterization of Cancer Missense Mutations Within the Retinoblastoma Tumor Suppressor*

Luis Chavez

Faculty Mentor: Dr. Salome Mshigeni
Title: *Insurance a Gatekeeper to Mental Healthcare Access*

Luz Chavez

Faculty Mentor: Dr. Brett Stanley
Title: *Investigation of Cyanide Generation During Water Sanitation*

**Cesar De La Torre Castaneda
& Jacob Lacy**

Faculty Mentor: Dr. Timothy Usher
Title: *eVTOL Research*

Clarissa Fajardo & Connie Rodriguez-Flores

Faculty Mentor: Dr. Nicole Bournias-Vardiabasis
Title: *The Efficacy of a Senolytic Cocktail on the Health Span and Lifespan of a Transgenic A β -42 Line of Drosophila Melanogaster*

Cameron Fraser

Faculty Mentor: Dr. Laura Newcomb
Title: *Generation of Feline Macrophage Cell Lines to Study Feline Coronavirus*

Christian Graham

Faculty Mentor: Dr. Jeremy Dodsworth
Title: *Thermophiles Eating Together: Towards Understanding Compounds Involved in Syntrophic Interaction of Caldatribacterium and Thermodesulfobacterium*

Isaac Mendez

Faculty Mentor: Dr. Salome Mshigeni
Title: *The Prevalence of Flavored Tobacco Use Among College Students during a Pandemic*

Cynthia Milan, Brian Ayala, Miguel Jacuinde & Citlaly Garcia

Faculty Mentor: Dr. Fadi Muheidat
Title: *iGarage*

Alejandra Moreno Ramirez

Faculty Mentor: Dr. Daniel Nickerson
Title: *Using Biotin Proximity Labeling to Identify Novel Effectors of Rab5 Related to Lipid Metabolism*

**Miguel Pacheco, Buntaviret Soun
& Nicholas Yniguez**

Faculty Mentor: Dr. Fadi Muheidat
Title: *Household Verification System*

Gonzalo Perez Maldonado

Faculty Mentor: Dr. Kimberly Cousins
Title: *D-4 and It's Application Toward a Lithium-Ion Detector*



Sonia Perez-Gamboa

Faculty Mentor: Dr. Qingquan Sun

Title: *Improved Sensor Based Human Activity Recognition via Hybrid Convolutional and Recurrent Neural Networks*

Breanna Alexis Ramirez & Aaron Manansala

Faculty Mentor: Dr. Tomasz Owerkowicz

Title: *Effects of Exercise on Alligator Trabecular Bone*

Noelle Roddam & Maggie Santos

Faculty Mentor: Dr. Becky Talyn

Title: *Movement And Metabolism of the Agrototoxin Glyphosate through the Human Food Chain, a Pilot Study*

Roman Rodriguez Jimenez, Joshua De Los Santos & Arturo Verdugo

Faculty Mentor: Dr. Fadi Muheidat

Title: *Keep the Vision Alive. Go Where You Want to Be! Smart White Cane, an Adaptive Device for the Visually Impaired*

Paulina Rodriguez

Faculty Mentor: Dr. Jeremy Mallari

Title: *Optimization of Novel Inhibitors Against Falcilysin and Malarial Parasite Plasmodium Falciparum*

Anselmo Sanchez

Faculty Mentor: Dr. Nicole Bournias-Vardiabasis

Title: *Development of a Drosophila Melanogaster in Vivo Assay to Assess the Health Span and Lifespan of A β -42 Flies Treated with Nutraceuticals*

Joseph Spong

Faculty Mentor: Dr. Brett Stanley

Title: *Free vs. Bound Amino Acid Quantification in Proxy Wastewater Samples*

Briana Stabile

Faculty Mentor: Dr. Nicole Henley

Title: *Providing Information on Homelessness/Shelters*

Hao Thieu, Erik Lara & Edgar Alegria

Faculty Mentor: Dr. Fadi Muheidat

Title: *Relaxing and Learning with the Cube*

Miguel Varela

Faculty Mentor: Dr. Nicole Bournias-Vardiabasis

Title: *The Effects of Rhodelia Rosea on the Health Span and Lifespan of Transgenic Drosophila Melanogaster with an AB-42 Pathology*

Carlos Vargas Ochoa, Luis Cruz Ocana, Andres Hernandez, Tonny Kasih, Deisy Morales & Robert Tyo

Faculty Mentor: Dr. Sara Callori

Title: *Growth and Characterization of Nanometer Scale Functional Oxide Thin Films*

Sarah Vasquez

Faculty Mentor: Dr. Breanna Putman

Title: *Effects of Urbanization on Skin Microbiome of Sceloporus Occidentalis*



**Danielle Zamora, Jenna Maddox
& Sean Connolly**

Faculty Mentor: Dr. Daniel Nickerson

Title: *Using Bioinformatic Analysis to Identify Structural Features of the Rab GAP Gyp8 that Govern Protein Localization and Transport*

Kara Zorzoli

Faculty Mentor: Dr. Nicole Dabbs

Title: *Relationship Between Strength and Balance in Male Collegiate Athletes*

Social & Behavioral Sciences

Bryan Alvarez & Cheyenne Morales

Faculty Mentor: Dr. Dennis Amodeo

Title: *Impact of Specific Serotonin Receptor Modulation on Behavioral Flexibility*

Bryan Alvarez

Faculty Mentor: Dr. John Clapper

Title: *The Effects of Repeated Examples on Unsupervised Categorization*

Alexandra Amodeo

Faculty Mentor: Dr. Kelly Campbell

Title: *Sibling Mate Preferences: Can Siblings be Trusted with Your Mate?*

Sara Barnes & Ashley Richardson

Faculty Mentor: Dr. Stacy Morris

Title: *Associations between Adolescent Risk Behavior and Discrepancies in Parent-Adolescent Relationships*

Isabella Cantu

Faculty Mentor: Dr. José Muñoz

Title: *Inequalities in Education During the COVID-19 Pandemic*

Carina Castro

Faculty Mentor: Dr. Michael Lewin

Title: *The Role of Cognitive Fusion, Worry, and Rumination on the Mindfulness/Psychological Distress Relationship*

Kelly Ceron

Faculty Mentor: Dr. David Marshall

Title: *How Racism and Health Inequalities Affect Minorities*

Emily Connard

Faculty Mentor: Dr. Kelly Campbell

Title: *Online Dating Deceit: The Role of Problematic Internet Use in Catfish Relationships*

Emily-Anne del Rosario

Faculty Mentor: Dr. Stacy Forcino

Title: *The Effect of Maternal Sleep Quality and Household Crowding on Harsh Parenting Practices*

Rita Garcia

Faculty Mentor: Dr. Mark Agars

Title: *Household Responsibilities and Experiences of Work-Family Conflict and Well-Being among Fathers: The Role of Identity and Gender Role Belief*



Jazmine Gonzales

Faculty Mentor: Dr. Manpreet Dhillon Brar

Title: *Psychosocial Outcomes of Bullying: The Effects of Friendship Quality among Elementary School Children*

Caroline Greenhouse

Faculty Mentor: Dr. Christina Hassija

Title: *Assault Survivor Outcomes*

Caroline Greenhouse

Faculty Mentor: Dr. Christina Hassija

Title: *The Role of Social Support on Mental Health Outcomes among Survivors of Sexual Assault*

**Rebacca Harder, Maria Romero
& Catherine Perez**

Faculty Mentor: Dr. José Muñoz

Title: *First-Generation, Working Class, and Financially Insecure Persons' Experiences of Sociology Students at CSUSB*

Raeven Jones

Faculty Mentor: Dr. Janet Kottke

Title: *Impact of Efficacy on Core Self-Evaluations*

Nicole Kaleinani Tabuena

Faculty Mentor: Dr. Brittany Bloodhart

Title: *The Effect of Sport Typology on Athlete Motivation*

**Erika Kelley, Abrianna Newton
& Cindy Moreno**

Faculty Mentor: Dr. Kate Liszka

Title: *From Archives to Augmented Reality: An Egyptian Archaeological Site comes to Life Virtually*

Gabrielle Kelly, Benjamin Johnson, Jessica Benezah, Alexandra Tejada, Briana Vasquez & Melissa Espinoza

Faculty Mentor: Dr. Leslie Amodeo

Title: *Early Methylphenidate Exposure in Female Rats' Impact Probabilistic Choice Behavior in Adulthood*

Marvin Limaceja

Faculty Mentor: Dr. David Chavez

Title: *The Effects of COVID-19 Pandemic on Health, Financial, and Psychological Well-Being of the Latino and Latina Populations*

Marielena Lozano

Faculty Mentor: Dr. Janet Chang

Title: *Bridging the Gap*

Daicy Corina Magallon

Faculty Mentor: Dr. Michael Lewin

Title: *The Relationship between Emotional Dysregulation, Psychological Inflexibility and Emotional Eating*

Joe Mendoza & Xavier Resendez

Faculty Mentor: Dr. Ryan Keating

Title: *The Silent Service: Union War Widows in the Civil War Era*

Clarissa Montalvo

Faculty Mentor: Dr. Brittany Bloodhart

Title: *Marianismo, Acculturation, and Women's Movements*

Nazaret Montejano

Faculty Mentor: Dr. Sanders McDougall

Title: *Role of Serotonin in EEDQ-Induced Locomotor Activity in Prewanling Rats*



Samar Natour**Faculty Mentor:** Dr. Deirdre Lanesskog**Title:** *Designing a Mixed Method Longitudinal Study Of Social Workers' Competencies with Immigrants in Child Welfare***Samuel Quarles****Faculty Mentor:** Dr. Miranda McIntyre**Title:** *Devil's Advocacy: Testing a New Measure and Examining Psychological Correlates***Natalie Ramirez & Riana Melgoza****Faculty Mentor:** Dr. Deirdre Lanesskog**Title:** *Protective Factors in Parents Who Abuse Substances***Anabell Ramos****Faculty Mentor:** Dr. Stacy Forcino**Title:** *Depression and Anxiety in First-Time Mothers: Association with Responsive Feeding and Infant Sleep During COVID-19***Cecilia Ramos****Faculty Mentor:** Dr. Donna Garcia**Title:** *Invisibility's Outcomes on Women of Color***Cecilia Ramos****Faculty Mentor:** Dr. Donna Garcia**Title:** *Outcomes of Invisibility in STEM***Rayleen Razon****Faculty Mentor:** Dr. Mark Agars**Title:** *The Impact of Family-Supportive Supervisory Behaviors on Perceptions of Employees***Xavier Resendez & Joe Mendoza****Faculty Mentor:** Dr. Ryan Keating**Title:** *The Silent Service: Union Widows, Orphans, and Mothers in The Civil War Era***Xavier Resendez****Faculty Mentor:** Dr. Ryan Keating**Title:** *Race and Racism in the 19th Century US South West***Ashley Richardson & Carina Castro****Faculty Mentor:** Dr. Michael Lewin**Title:** *Empathy and Psychological Well-Being: The Role of Emotional Regulation and Psychological Inflexibility***Ashley Richardson & Sara Barnes****Faculty Mentor:** Dr. Stacy Morris**Title:** *Associations between Positive Youth Development and Discrepancies in Parent-Adolescent Relationships***Bianca Rivera & Aileen Lopez****Faculty Mentor:** Dr. Thomas Davis**Title:** *Perspectives on the Barriers Encountered by Foster Youth at the University Level***Melody Robinson****Faculty Mentor:** Dr. Christina Hassija**Title:** *Self-Blame, Shame, and Coping Self-Efficacy on Depression and Anxiety for Sexual Assault Survivors*



Roberta Salgado

Faculty Mentor: Dr. Mark Agars

Title: *Observing Gender Role Salience and Gender Role Flexibility as Potential Buffers between Levels of Household Responsibilities and Experiences with Work-Family Conflict and Role Overload*

Lewis Schneider

Faculty Mentor: Dr. Janet Kottke

Title: *The Weight of Scope, Pace, and Practices of Organizational Change During Evaluations of Acceptance of Organizational Change*

Adam Soleski

Faculty Mentor: Dr. Maria Santos

Title: *The Effect of Acculturative Stress on the Relationship between Behavioral Activation for Latinos and Quality of Life*

Johnathan Solomon

Faculty Mentor: Dr. Kevin Grisham

Title: *Life-Cycle Assessment of Apple Smartphone: Determining the Ecological Impact of Globalized Supply Chains*

Bailey Stumreiter

Faculty Mentor: Dr. Jason Reimer

Title: *Comparing Performance on Working Memory Tasks Administered Remotely Versus in the Lab*

**Jordan Taylor, Matthew Roe
& Constance Greenwood**

Faculty Mentor: Dr. Cynthia Crawford

Title: *The Role of the 5-HT1A and 5-HT1B Receptors on Mediating Behavior in Male and Female Preweanling Rats*

Alexandra Tejada

Faculty Mentor: Dr. Leslie Amodeo

Title: *The Role of Social Ethanol Consumption During Adolescence in Rats*

Giselle Tirado

Faculty Mentor: Dr. Eugene Wong

Title: *Utilizing Computerized Cognitive Training as an Intervention to Improve Processing Speed, Cognitive Flexibility, and Attention in School-Aged Children*

Sofia Torres-Crespo

Faculty Mentor: Dr. Mark Agars

Title: *Formation of Quality Leader-Member Relationships in the Context of Subtle Sexism*

Genesis Vargas

Faculty Mentor: Dr. Lisa Looney

Title: *The Effectiveness of Cognitive Training within High-Risk Children*

Maria Velasco

Faculty Mentor: Dr. Donna Garcia

Title: *Are Positive Stereotypes Really Positive?*



"Meeting of the Minds"

Art Exhibits

Alexander Perilli

Faculty Mentor: Dr. David Marshall

Major: Theatre Arts

Title: *The Psychology of Color in an Artistic Setting*

Andrew Duardo

Faculty Mentor: Dr. David Marshall

Major: Studio Art

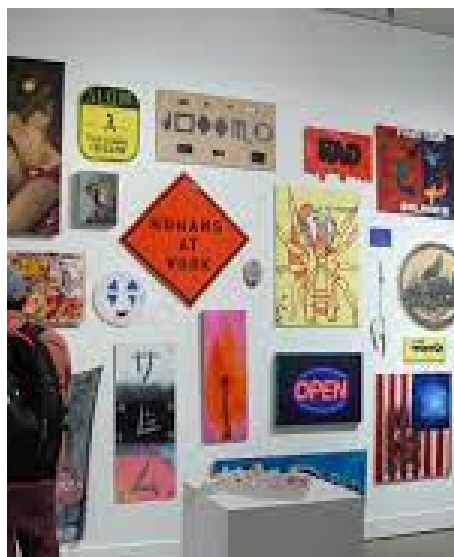
Title: *The Exploration of the Trans Body*

Jacob Hernandez

Faculty Mentor: None

Major: Studio Art

Title: *Anti Door Breaching Device 3D Printable*






"Meeting of the Minds"

Oral Presentation Schedule

Session 1

Time: 2:30 pm - 4:00 pm
Class Level: Undergraduate
Category: Behavioral and Social Sciences
 **Join Session**


2:30 Cheyenne Morales
Faculty Mentor: Dr. Dionisio Amodeo
Title: *Effects of Specific Serotonin Receptor Modulation on Repetitive Behaviors in Autism Spectrum Disorder*

2:50 Fawn Baxter
Faculty Mentor: Dr. Jacob Jones
Major: Biological Psychology
Title: *Physical Inactivity Increases Risk of Cognitive Impairment in Early Stage Parkinson's Disease*

3:10 Devon Gleason
Faculty Mentor: Dr. Sanders McDougall
Major: Biological Psychology
Title: *Cross-Sensitization*

3:30 Alexandra Tejada
Faculty Mentor: Dr. Leslie Amodeo
Major: Biological Psychology
Title: *The Role of Social Ethanol Consumption during Adolescence in Rats*

Session 2

Time: 2:30 pm - 4:00 pm
Class Level: Undergraduate
Category: Biological and Agricultural Sciences
 **Join Session**

2:30 Cameron Fraser
Faculty Mentor: Dr. Laura Newcomb
Major: Biology
Title: *Generation of Feline Macrophage Cell Lines to Study Feline Coronavirus*

2:50 Aileen Mendoza
Faculty Mentor: Dr. David Marshall
Major: Biology
Title: *What Effects will Rising CO2 Have on Wheat-BYDV Interactions?*

3:10 Leslie Navarro-Tamaura & John Alvarez
Faculty Mentor: Dr. David Rhoads
Major: Biology
Title: *Identification of Targets for Mutagenesis in a Plant Small Heat Shock Protein to Elucidate Mechanisms of Mitochondria-to-Nucleus Signaling*

Session 2 continued on next page



3:30 Joseph Spong**Faculty Mentor:** Dr. Brett Stanley**Major:** Chemistry**Title:** *Free vs. Bound Amino Acid Quantification in Proxy Wastewater Samples***Session 3**

Time: 2:30 pm - 4:00 pm**Class Level:** Graduate/Undergraduate**Category:** Humanities and Letters**Join Session**

3:50 Jordan Taylor, Matthew Roe &**Constance Greenwood****Faculty Mentor:** Dr. Cynthia Crawford**Major:** Psychological Sciences**Title:** *The Role of the 5-HT1A and 5-HT1B Receptors on Mediating Behavior in Male and Female Prewearing Rats***2:30 Stephanie Alfonso****Faculty Mentor:** Dr. Julie Taylor**Major:** Communication Studies**Title:** *Stigma and Sex: The Implication of Stigma on Sex Worker's Identities and the Organization***2:50 Joe Mendoza & Xavier Resendez****Faculty Mentor:** Dr. Ryan Keating**Major:** History**Title:** *The Silent Service: Union War Widows in the Civil War Era***3:10 Fernando Sanchez****Faculty Mentor:** Dr. Isabel Alonso**Major:** History**Title:** *Umm Kulthum and Aural Celebrity*



Session 4

Time: 2:30 pm - 4:00 pm

Class Level: Graduate/Undergraduate

Category: Interdisciplinary

 **Join Session**

2:30 Yazmine Hernandez-Aragon

Faculty Mentor: Dr. David Marshall

Major: Administration

Title: *International and Intercultural Communication: The American on Zoom*

3:10 Rimie Marandy

Faculty Mentor: Dr. Brittany Bloodhart

Major: English & Writing Studies

Title: *Republicans vs. Democrats: The Impact of COVID-19 Media Consumption on Risk Perceptions and Health Behaviors*

3:30 Frances Muro

Faculty Mentor: Dr. Rajrani Kalra

Major: Global Studies

Title: *Travel and Tourism in a Post-COVID World*

3:50 Diana Olvera-Chavez

Faculty Mentor: Dr. Melika Kordrostami

Major: Business & Public Administration

Title: *Consumer Socialization Influence the Hispanic Cultures in the United States*

Session 5

Time: 2:30 pm - 4:00 pm

Class Level: Graduate/Undergraduate

Category: Education

 **Join Session**

2:30 Anabell Ramos

Faculty Mentor: Dr. Roderick O'Handley

Major: Psychology

Title: *School Psychologists' Assessment and Intervention Practices in the Delivery of Social Skills Training for Students with Autism Spectrum Disorder*

2:50 Andres Sandoval & Ana Villanueva

Faculty Mentor: Dr. Edwin Hernandez

Major: Psychology

Title: *Exploring Structures of Institutional Support to Nurture the Educational Aspirations of Latino Young Men in Continuation High Schools*

3:10 Cassandra Cavazos

Faculty Mentor: Dr. Dionisio Amodeo

Major: Psychology

Title: *Effects of Serotonin Modulation on Restricted Repetitive Behaviors in Autism Spectrum Disorder*

3:30 MacKenzie Feeken

Faculty Mentor: Dr. Roderick O'Handley

Major: School Psychology

Title: *Systematic Review of Teacher Training Procedures for Implementing Evidence-Based Practices for Students with Autism Spectrum Disorder*



Session 6


Time: 4:30 pm - 6:00 pm**Class Level:** Graduate/Undergraduate**Category:** Health; Nutrition; and Clinical Sciences **Join Session****4:30 Crystal Rios****Faculty Mentor:** Dr. Kassandra Harding**Major:** Nutrition & Food Sciences**Title:** *New Mother's Child Care and Support Network Study: Infant Feeding Style Questionnaire***4:50 Anabell Ramos****Faculty Mentor:** Dr. Kassandra Harding**Major:** Psychology & Human Development**Title:** *Pregnancy, Birth, and Postpartum Experiences in First-Time Mothers during the COVID-19 Pandemic***5:10 Andres Garcia Garcia****Faculty Mentor:** Dr. Kassandra Harding**Major:** Public Health**Title:** *Applying the Health Action Process Approach to Responsive Feeding***5:30 Jessica Romero****Faculty Mentor:** Dr. Kassandra Harding**Major:** Public Health**Title:** *The Egocentric Social Network Analysis of Maternal Networks in the Inland Empire*

Session 7

Time: 4:30 pm - 6:00 pm**Class Level:** Undergraduate**Category:** Engineering and Computer Science **Join Session****4:30 Patrick Swick, Dae Eun Yim, Juan Zavala & Anthony Toma****Faculty Mentor:** Dr. Fadi Muheidat**Major:** Computer Engineering**Title:** *COVID Face Mask Recognition Lock***4:50 Miguel Pacheco, Buntaviret Soun & Nicholas Yniguez****Faculty Mentor:** Dr. Fadi Muheidat**Major:** Computer Engineering**Title:** *Household Verification System***5:10 Alejandro Hernandez, Edgar Gallegos & Manuel Rodriguez****Faculty Mentor:** Dr. Fadi Muheidat**Major:** Computer Engineering**Title:** *Delivery Drone with Automated and Manual Flight***5:30 Danielle Kelly & Ricardo Gutierrez****Faculty Mentor:** Dr. Fadi Muheidat**Major:** Computer Engineering**Title:** *Math Made Easy***5:50 Milli Patel****Faculty Mentor:** Dr. Nasrin Mohabbati**Major:** Supply Chain & Transportation Management**Title:** *Efficient Distribution of Marine Freight in Southern California*




Session 8

Time: 4:30 pm - 6:00 pm
Class Level: Graduate/Undergraduate
Category: Business; Economics; and Public Administration
 **Join Session**

- 4:30 Jim Reyes, Priyanka Mago & Paul Wilson**
Faculty Mentor: Dr. Nasrin Mohabbati
Major: Executive
Title: *Utilizing Data Analytics to Identify Variables that Dramatically Influence the Quality of Life in San Bernardino County*
- 4:50 Michelle Mejia**
Faculty Mentor: Dr. David Marshall
Major: Finance
Title: *Budgeting and Financial Stress*
- 5:10 Maria Velasco**
Faculty Mentor: Dr. Donna Garcia
Major: Psychology
Title: *Are Positive Stereotypes Really Positive?*
- 5:30 Joanna Hargas**
Faculty Mentor: Dr. Priyanka Yalamanchili
Major: Rehabilitation Counseling
Title: *Cultural Brokering Model as an Efficient Rehabilitation Counseling Method with Native American Communities*

Session 9

Time: 4:30 pm - 6:00 pm
Class Level: Graduate/Undergraduate
Category: Interdisciplinary
 **Join Session**

- 4:30 Colby Holloman, Angelica Gutierrez, Logan Ashbaugh, Samuel Jacuinde & Daniel Martinez**
Faculty Mentor: Dr. David Marshall
Major: Computer Science
Title: *Honors Book: A Digital Lounge for Students to Connect*
- 4:50 Xavier Aguirre**
Faculty Mentor: Dr. John Reitzel
Major: Criminal Justice
Title: *Crisis Intervention Team Training (CIT)*
- 5:10 Paige Cason**
Faculty Mentor: Dr. Angela Penaredondo
Major: English
Title: *Pursuing the Premiere Publication*
- 5:30 Cynthia Galindo-Guerrero & Mandi Bechard**
Faculty Mentor: Dr. Laura Wallace
Major: Mathematics
Title: *Teaching the Unit Circle for Deeper Understanding*



Session 10

Time: 4:30 pm - 6:00 pm**Class Level:** Undergraduate**Category:** Interdisciplinary **Join Session**

4:30 Robert Tyo**Faculty Mentor:** Dr. Matteo Crismani**Major:** Applied Physics**Title:** *The Mg+ Layer at Mars***4:50 Hyeongjun Yang & Justin Waterman****Faculty Mentor:** Dr. Fadi Muheidat**Major:** Computer Science**Title:** *AWS IoT and the Interconnected World – Aging in Place***5:10 Brizea Suarez****Faculty Mentor:** Dr. Kate Simonian**Major:** English Literature**Title:** *Ascendancy***5:30 Cesar De La Torre Castaneda
& Jacob Lacy****Faculty Mentor:** Dr. Timothy Usher**Major:** Physics**Title:** *eVTOL Research*

Session 11

Time: 4:30 pm - 6:00 pm**Class Level:** Graduate/Undergraduate**Category:** Behavioral and Social Sciences **Join Session**

4:30 Kailyn Alari**Faculty Mentor:** Dr. Amanda Rymal**Major:** Kinesiology**Title:** *Female Officials' Perspectives on Expanding their Presence in the Field***4:50 Marvin Limaceja****Faculty Mentor:** Dr. David Chavez**Major:** Psychology**Title:** *The Effects of COVID-19 Pandemic on Health, Financial, and Psychological Well-Being of the Latino and Latina Populations***5:10 Yenny Valenzuela & Carmen Uribe****Faculty Mentor:** Dr. Jacob Jones**Major:** Psychology**Title:** *Early Detection of Cognitive Decline in Parkinson's Disease: A Neuroimaging Study of Neuropsychological Criteria***5:30 Adam Soleski****Faculty Mentor:** Dr. Maria Santos**Major:** Psychology**Title:** *The Effect of Acculturative Stress on the Relationship between Behavioral Activation for Latinos and Quality of Life*



Acknowledgements

We would like to thank all of the faculty mentors and judges, and volunteers who contributed their time and effort towards the success of this event.

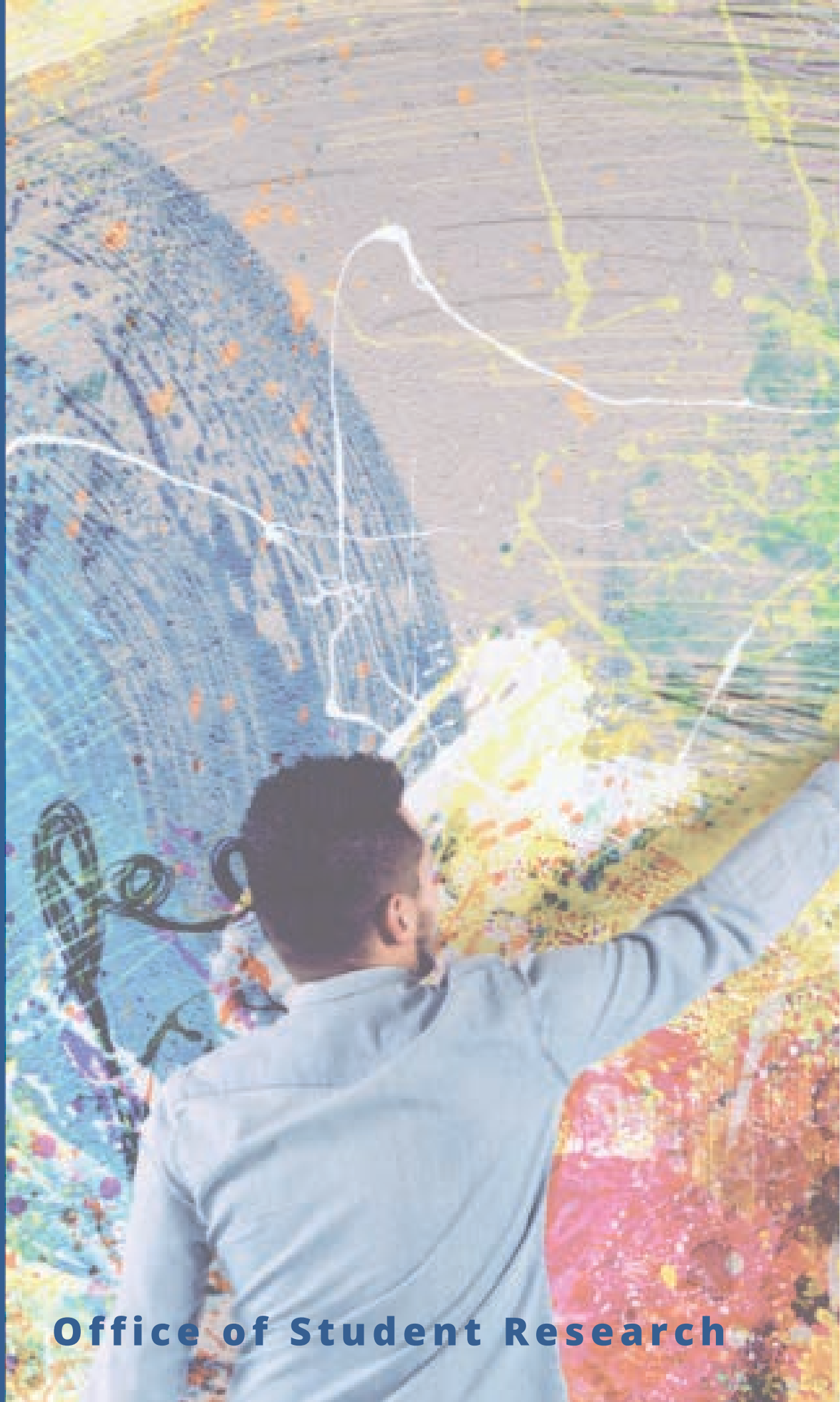
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Office of Student Research

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April 15th, 2021

Presented by:
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Dr. Ryan Keating, Director for the Office of Student Research
Daniele White, Program Coordinator
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