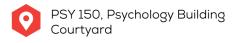


# Research Symposium





July 28, 2022 5-8pm



SHANNON CHAFFIN

Poster 1

Dr. Perla Ayala Effect of Collagen Substrate on Cell Growth

Scholar, Year 1 College of Engineering



**JACK KARAPETIAN** 

Dr. Joseph Kalman

Simulating Combustion Conditions of Military Technologies to Identify Mechanisms of Pollutant Formation

Scholar, Year 1 College of Engineering



**ROHAN PATEL** Poster 3

Dr. Maryam Haddad

Reducing the Health Impacts of Municipal Solid Wastes by Converting Them to Valuable Materials

Scholar, Year 1 College of Engineering



**GABRIELA PENA CARMONA** 

Dr. Perla Ayala

Bioengineering a Scaffold for a Myocardial Fibrosis Model

Scholar, Year 2 College of Engineering



**VICTORIA MIN** 

Poster 5

Dr. Virginia Gray Observing Nutrition Educators Balance Rigor & Grace during the COVID-19 Pandemic

Scholar, Year 1 College of Health & Human Services

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MAEVE ALLEN Poster 6

Dr. Courtney Ahrens

The Importance of Hope Among Intimate Partner Violence Survivors

Scholar Year 1 College of Liberal Arts



**NICHOLAS BANUELOS** Poster 7

Dr. Pitiporn Asvapathanagul Bacterial Community of Food Waste Anaerobic Digesters For Biological Hydrogen Production

Scholar, Year 1 College of Liberal Arts



**TESS NGUYEN** Poster 8

Dr. Araceli Gonzalez

Depression Symptoms and Self-Stigma on Help-Seeking Attitudes

Scholar, Year 1 College of Liberal Arts



**JEREMIAH SABALE** 

Dr. William Pedersen That's not fair! Social condition moderates the mediating effect of social pain on the relationship between group size

and unfairness appraisal Scholar, Year 1 College of Liberal Arts



**ALINA TRAN** Poster 10

Dr. Kim Vu

Can Implementation of Design Principles Increase the Ease of Use and Continuance of Use for Mobile Health Apps?

Scholar, Year 1 College of Liberal Arts



KARAMA AL-UBIDY Poster 11

Dr. Lijuan Li Synthesis and Characterization of Dinitrosyl Iron Complexes Containing Pyrazole Ligands

Scholar, Year 1 College of Natural Science & Mathematics



KATRINA JENSEN Poster 12

Dr. Jason Schwans

Determining the Inhibition Effectiveness of Fmoc-Lys(CH3)3-O- in Comparison to Fmoc-Lys-O- Against Butyrylcholinesterase to Use in Treatments for Alzheimer's Disease

Scholar, Year 1 College of Natural Science & Mathematics



ANAIS JOHNSON Poster 13

Dr. Young-Seok Shon

Synthesis of Hydroxy-terminated Alkanethiolate-Capped Pd Nanoparticles for Green Catalysis In Environmentally Benign Organic Solvents

Scholar, Year 1 College of Natural Science & Mathematics



MELEIA VYRAK Poster 14

Dr. Jesse Dillon

Characterization of Ampicillin-Resistant Coliforms from a Southern California Beach and Tidal Channel

Scholar, Year 2 College of Natural Science & Mathematics





**DAVID QUIROZ** 

Dr. Perla Ayala

C2C12 Cell Differentiation on Fibrin Gel Scaffolds to Engineer Skeletal Muscle

Fellow

College of Engineering



**KHANH NGOC TRAN** 

Poster 16

Dr. Perla Ayala

Role of Matrix Composition on Fibroblasts in a 3D Model

Fellow

College of Engineering



ANAYELI HERNANDEZ

Dr. Caitlin Fouratt

The Impact of COVID-19 on Asylum Applicants Fleeing to Costa Rica: A Case Study on Two Salvadoran Refugees

Fellow

College of Liberal Arts



**EMILY MONTES** 

Poster 18

Dr. Jesse Dillon

Assessing Impacts of the Huntington Beach Oil Spill on Benthic Invertebrate Communities in Talbert Marsh

Fellow

College of Liberal Arts



TAMMY NGUYEN

Poster 19

Dr. Arturo Zavala

The Effects of Activating Glucagon-like Peptide-1 (GLP-1) Receptors on the Expression of Methamphetamine Preference in Adolescent Rats

Fellow

College of Liberal Arts



**JASON PHAN** Poster 20

Dr. Leilani Madrigal The Impacts of Mental Health on Collegiate Student-Athletes

Fellow College of Liberal Arts



**ISABEL RAMIREZ-FLORES** 

Poster 21

Dr. Janet Muniz Health and Wellness in Urban Planning

Fellow College of Liberal Arts



ANNIE TONG Poster 22

Dr. Araceli Gonzalez Do Anxiety and Self-stigma Predict Mental Health Treatment Preferences?

Fellow College of Liberal Arts



**EMILY ANIYA** Poster 23

Dr. Editte Gharakhanian Role of PAH1 in the Fitness of S. Cerebisiae

Fellow

College of Natural Science & Mathematics



**ROBERT BORN** Poster 24

Dr. Selena Nguyen-Rodriguez Physical Activity, Perceived Stress, and Academic Performance in Minority Youth

College of Natural Science & Mathematics

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KIMBERLY IZARRARAS

Poster 25

Dr. Deepali Bhandari

Visualization of the Nuclear Localization of the Unfolded Protein Response Sensor ATF6 Using Fluorescence Microscopy

Fellow

College of Natural Science & Mathematics



SAMANTHA PEREZ

Poster 26

Dr. Deepali Bhandari

Detecting Cleavage of the Unfolded Protein Response Sensor AFT6 Using Western Blotting

Fellow

College of Natural Science & Mathematics



**NATALIA SHCHERBAKOVA** 

Dr. Deborah Fraser

Innate Immune Protein C1q Modulation of Fractalkine Signaling in Human Monocyte Cells

Fellow

College of Natural Science & Mathematics



AMBER SIMONPIETRI

Dr. Kelly Young

Photoperiod Alters Ovarian mRNA Expression of Genes in the Retinoic Acid Pathway

Fellow

College of Natural Science & Mathematics



**ISABEL VILLAFUERTE** 

Poster 29

Dr. Douglas Place

Change to Spare: Understanding the Developmental Timing of Food-induced Plasticity During Larval Development of the Pacific Sand Dollar

Fellow

College of Natural Science & Mathematics

We thank the National Institutes of Health, the campus administrators and staff at CSULB, our advisory board members, and our community college and research partners, as well as our BUILD faculty mentors, our BUILD team, and students and their families for all of their contributions to make the CSULB BUILD Initiative a success.

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