



BUILD
CSULB

Research Symposium



PSY 150, Psychology Building
Courtyard



July 28, 2022
5-8pm

POSTER SESSION 1



SHANNON CHAFFIN | Poster 1

Dr. Perla Ayala
Effect of Collagen Substrate on Cell Growth

Scholar, Year 1
College of Engineering



JACK KARAPETIAN | Poster 2

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 | Poster 4

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

POSTER SESSION 1



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 | Poster 9

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

POSTER SESSION 1



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

POSTER SESSION 2



DAVID QUIROZ | Poster 15

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 | Poster 17

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

POSTER SESSION 2



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. Cerevisiae**

Fellow
College of Natural Science & Mathematics



ROBERT BORN | Poster 24

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

Fellow
College of Natural Science & Mathematics

POSTER SESSION 2



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 | Poster 27

Dr. Deborah Fraser
Innate Immune Protein C1q Modulation of Fractalkine Signaling in Human Monocyte Cells

Fellow
College of Natural Science & Mathematics



AMBER SIMONPIETRI | Poster 28

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

THANK YOU

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.

The BUILD program is funded by NIH awards:
UL1GM118979; TL4GM118980; RL5GM118978

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