



RESEARCH SYMPOSIUM



September 10, 2021
4:30-7:15pm



McIntosh Humanities Building,
Courtyard


ANTONIO ARREGUIN | Poster 4

Dr. Maryam Haddad
Treatment of Contaminated Water using Recycled Plastics

 California State University Long Beach,
 College of Engineering

MARC BARCELOS | Poster 22

Dr. Yada Treesukosol
Relative RNA Expression of Opioid Receptors Subtypes to Ethanol in Reward Pathways

 California State University Long Beach,
 College of Liberal Arts

SABRINA CALDERON | Poster 28

Dr. Judy Brusslan
ANAC072 Contributes to the Regulation of Leaf Senescence

 California State University Long Beach,
 College of Natural Sciences and Mathematics

SAMID CEBALLOS | Poster 6

Dr. Panadda Marayong, I-Hung Khoo
The Design Optimization of a Powered Knee-Ankle Prosthesis for Amputee Trials

 Dr. Robert D. Gregg
 University of Michigan,
 College of Engineering

ROSHNI CHOKSI | Poster 19

Dr. Jim Miles
Familiarity and Working Memory: How Familiar Objects require less Working Memory Resources

 Dr. Timothy Brady
 University of California San Diego,
 College of Liberal Arts

DANNA DE BOER | Poster 23

Dr. Eric Sorin
Coarse-grained Model of Gecko Foot Keratin Spatula for Steered Molecular Dynamics Simulation's

 Dr. Tobias Materzok
 Technische Universität Darmstadt,
 College of Natural Sciences and Mathematics

ANA ESQUIVEL | Poster 29

Dr. Michael Schramm
Inherent Chirality of Au-Cavitands in Catalyzing the Cycloisomerization of Nitrogenous Enynes

 California State University Long Beach,
 College of Natural Sciences and Mathematics

VICTOR FLORES | Poster 3

Dr. Jesse Dillon
Genetic Characterization of Ampicillin-Resistant E. coli from a Southern California Beach and Tidal Channel

 California State University Long Beach,
 College of Natural Sciences and Mathematics



ANA GARCIA | Poster 14

Dr. Arturo R. Zavala

The Effects of Activating Serotonin 1B (5-HT1B) Receptors on Ethanol Preference in Adolescence Female and Male Rats

California State University Long Beach,
College of Liberal Arts



DEVIN GHIDELLA | Poster 21

Dr. Vennila Krishnan

The Role of Cognitive Impairment on Dual-Task Gait Performance

California State University Long Beach,
College of Liberal Arts



DAVID GUIRGUS | Poster 16

Dr. Bill Pedersen

How does exposure to computer science before college increase motivation to pursue a further study in computer science and related fields?

Dr. Dr. Judith Fan
University of California San Diego,
College of Liberal Arts



LYNN HA | Poster 11

Dr. Donna Spruijt-Metz

Stepping Towards a Healthy Lifestyle with HeartSteps

Dr. Donna Spruijt-Metz
University of Southern California,
College of Health and Human Services



CECILIA HEREDIA | Poster 27

Dr. Jesse Dillon

Effects of Wildfire on Soil Microbes in Chaparral Environments

Dr. Leah Stiemsma
Pepperdine University,
College of Natural Sciences and Mathematics



LAUREN LAKRITZ | Poster 17

Dr. Caitlin Fouratt

The Impact of Covid-19 on Venezuelan Refugees and Asylum Seekers in Costa Rica

California State University Long Beach,
College of Liberal Arts



CAMERON LARIOS | Poster 10

Dr. Bryan Rourke

Differences in Myoglobin Concentration Between Control Mice and Mice Selected for Wheel-Running Behavior

California State University Long Beach,
College of Health and Human Services



SILVIA LOPEZ TORRES | Poster 12

Dr. Evan Schick

The Effect of Menstrual Phase on Metabolic Parameters During Fasted and Fed Exercise

California State University Long Beach,
College of Health and Human Services


EMILY MARQUEZ | Poster 25

Dr. Hadi Tavassol

Directed Evolution of Metalloenzymes for Stereo-controlled Atom Transfer Radical Addition and Polymerization

Dr. Yang Yang

University of California Santa Barbara,
College of Natural Sciences and Mathematics


TYLER NELSON | Poster 15

Dr. Arturo Zavala

Using a Supervised Machine Learning Model to Detect Freezing Behavior in Mice

Dr. Victoria L. Corbit, Dr. Ilana B. Witten

Princeton University,
College of Liberal Arts


DAISY ORTIZ | Poster 2

Dr. Hadi Tavassol

Deposition of Lithium and Interfacial Process on Copper Surfaces in Liquid Electrolyte

California State University Long Beach,
College of Engineering


GABRIELA PENA CARMONA | Poster 7

Dr. Maryam Haddad

Remodeling BioSentinel's Microbial Metabolism Measurement System

Dr. Diana Gentry

National Aeronautics & Space Administration (NASA)
College of Engineering


MAKENA POLLON | Poster 31

Dr. Yang Lu, Erlyana Erlyana

An Analysis of Depressive Symptoms Among Varying Demographics of the United States During the COVID-19 Pandemic

Dr. Project Mentor

California State University Long Beach,
College of Natural Sciences and Mathematics


DREW RAMOS | Poster 8

Dr. Perla Ayala

Evaluating DDAO-Arachidonate Activation in Canine and Human Lung Tumors

Dr. Edward Delikatny

University of Pennsylvania,
College of Engineering


ADELINE ROSALES | Poster 20

Dr. Melawhy Garcia

A Survey of Public-Health Data Tracking & Communication Practices for Black, Indigenous, and People of Color (BIPOC) in Southern California to Combat the COVID-19 Pandemic

California State University Long Beach,
College of Liberal Arts


EMMA ROSAS | Poster 32

Dr. Erlyana Erlyana

Health-Seeking Behaviors among Children of Immigrant Families

California State University Long Beach,
College of Health and Human Services


ANGEL RUIZ | Poster 24

Dr. Fangyuan Tian

Metal-Organic Framework Thin-Films for Drug-Eluting Stent Coatings

California State University Long Beach,
College of Natural Sciences and Mathematics


KUNAAL SURHAYA | Poster 1

Dr. Ga-Young Kelly Suh

Application of 3D Printed Patient-Specific Models for Optimal Treatment of Carotid Arterial Diseases

Dr. Project Mentor
California State University Long Beach,
College of Engineering


MARIA SOTO | Poster 5

Dr. Maryam Haddad

Degradable Elastomers Based on Sustainable and Green Chemistry

Dr. Christopher Bates
University of California Santa Barbara,
College of Engineering


JOHANN TAILOR | Poster 30

Dr. Peter Ramirez

Utilizing CRISPR/Cas9 to determine the role of clathrin in enhancing HIV-1 Nef mediated infectivity

Dr. Project Mentor
California State University Long Beach,
College of Natural Sciences and Mathematics


COREY TANAKA | Poster 13

Dr. Kevin Valenzuela

Effects of Footwear on the 1-Repetition Maximum Deadlift

California State University Long Beach,
College of Health and Human Services


DIANA THAN | Poster 18

Dr. Courtney Ahrens

Predictors of Obtaining Restraining Orders

California State University Long Beach,
College of Liberal Arts


MELEIA VYRAK | Poster 26

Dr. Jesse Dillon

Characterization of Ampicillin-Resistant Escherichia coli Isolates from a Southern California Beach and Tidal Channel

California State University Long Beach,
College of Natural Sciences and 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:

5UL1GM118979-08; 5TL4GM118980-0; 5RL5GM118978-0

Building Infrastructure Leading to Diversity
1250 N. Bellflower Blvd. SSC-225
www.csulb.edu/build

RESEARCH SYMPOSIUM

