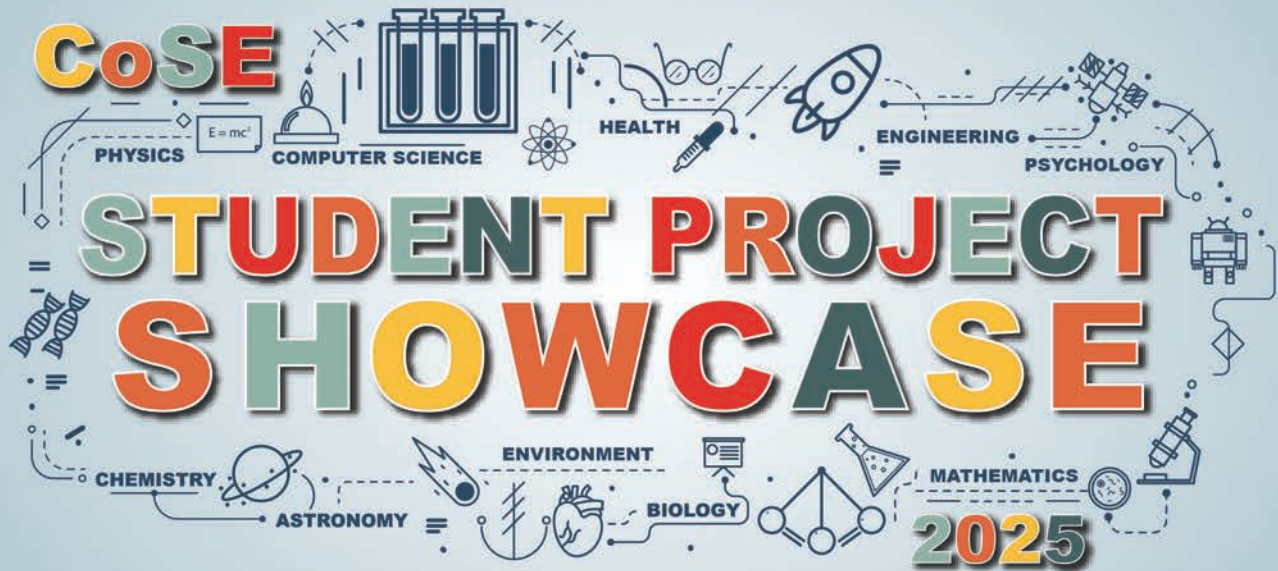




SAN FRANCISCO  
STATE UNIVERSITY

COLLEGE OF SCIENCE  
& ENGINEERING



**College of Science & Engineering  
Student Project Showcase**

Friday, May 2, 2025  
Student Life Event Center  
San Francisco State University



## **Welcome to the 2025 College of Science & Engineering Student Project Showcase!**

Since its launch in 1998, the Student Project Showcase has evolved into a dynamic celebration of innovation, collaboration and academic excellence. This annual event highlights the outstanding research and creative efforts of our students and the mentorship of dedicated faculty. Alumni, donors and industry partners play a vital role in making this showcase a success.



This year, we are proud to feature over 200 projects spanning disciplines from psychology to engineering. Each one reflects the diverse interests, rigorous scholarship and real-world focus of our students and faculty. These presentations demonstrate not only academic achievement, but also a deep commitment to addressing today's challenges and pushing the frontiers of knowledge.

This event gives students the opportunity to apply what they've learned in the classroom to current problems. By engaging in hands-on research, students gain practical experience that deepens their understanding and builds critical thinking, creativity and technical skills. Equally important is the experience of communicating their work. Translating complex scientific ideas for a broad audience is a vital skill that will serve them well in any future career, whether in research, industry, education or beyond.

As you explore the posters and demonstrations, you'll see the results of months — sometimes years — of hard work and collaboration. Many of these projects are supported by federal, state and nonprofit funding, including grants from the National Science Foundation and the National Institutes of Health. They represent the strength of our research community and the power of hands-on learning.

Thank you for being a part of this inspiring day. We hope the Showcase leaves you energized and hopeful for the future!

A handwritten signature in blue ink, appearing to read 'Carmen Domingo'.

Carmen Domingo, PhD  
Dean, College of Science & Engineering

## Program of Events

Time	Activity	Location
8 a.m.	Doors open for CoSE staff and presenters	Annex 1 Main Hall Floor
8:30 a.m.	Presenters set up posters	Annex 1 Main Hall Floor
11:30 a.m.	Judges arrive for lunch	Annex 1 Dressing Rooms
12:00 p.m.	Doors open to the public	Annex 1
1 p.m.	Opening remarks	Annex 1 Stage
1:10 p.m.	Judging begins	Annex 1 Main Hall Floor
3 p.m.	Late lunch is served (presenters)	Annex 2 Main Hall Floor
3 p.m.	Judging continues	Annex 1 Main Hall Floor
4 p.m.	Judging ends Judges begin deliberations	Annex 1 Rooms 104, 105, 106, 110
4:45 p.m.	Presentation of awards	Annex 1 Stage
5:30 p.m.	Closing remarks	Annex 1 Stage
6 p.m.	Event ends	Annex 1

Please use the QR code to view the online program and for project abstracts.



[cose.sfsu.edu/student-project-showcase-2025](http://cose.sfsu.edu/student-project-showcase-2025)

# Biochemistry, Cell & Molecular Biology (BCMB)

2025-BCMB-101

Battle of the X's: Utilizing Mitochondrial Phylogenies to Investigate X-Chromosome Imprinting

Isaac Walker

Department of Biology

Faculty Supervisor: Scott Roy

2025-BCMB-102

Restoring Equilibrium: Vacuole-Cell Size Scaling and Metabolic Adaptation During Post-Stress Recovery in *Saccharomyces cerevisiae*

Nathalie Vinluan Aquino

Department of Biology

Faculty Supervisor: Mark Chan

2025-BCMB-103

Distinct Effects of Wntless on WNT1 and WNT3A Signaling: A Difference in Binding Affinity

Benjamin Lee

Department of Biology

Faculty Supervisor: Laura (Kai) Burrus

2025-BCMB-104

Evaluating Reactive Enteric Glia-Derived Cytokine's Effect on Neuroinflammation and Enteric Neuron Viability

Tommy Luong

Department of Biology

Faculty Supervisor: Lily Chen

2025-BCMB-105

Structure-Function of Dual NAD-Kinase/NADP-Phosphatase Enzymes from Extremeophiles

Haneen Alkabbani

Department of Chemistry & Biochemistry

Faculty Supervisor: Eric Greene

2025-BCMB-106

Battle of the X's: Comparing Gene Expression Between Maternal and Paternal X Chromosomes

Leia Pineda, Mona Velazquez

Department of Chemistry & Biochemistry

Faculty Supervisor: Scott Roy

2025-BCMB-107

Antibiotic Disk Susceptibility Tests as a Way to Economically Screen Aminoglycoside Acetyltransferase Mutant Enzymes for Activity

Damon Holt, Alejandra Portillo, Leyla Riyhani, Gabriela Tozlovan, Ron Painter, Van Thi Bich Le

Department of Chemistry & Biochemistry

Faculty Supervisor: Misty L. Kuhn

2025-BCMB-108

Investigation of Plant Growth Properties in *Exiguobacterium*

Edmond Wong

Department of Biology

Faculty Supervisor: José R. de la Torre

2025-BCMB-109

ANTSR Region Diversity in Long Non-Coding RNA of *Hymenoptera*

Tyler McClure, Sean Velasquez

Department of Kinesiology

Faculty Supervisor: Scott Roy

2025-BCMB-110

Impact of Carbon Sources on Mitochondrial and Vacuolar Structures in *Saccharomyces cerevisiae*

Aya Alkabbani

Department of Biology

Faculty Supervisor: Mark Chan

2025-BCMB-111

Exploring the Upper Limits of Vacuole Size Scaling in *Saccharomyces cerevisiae*

Isabella Ibalio

Department of Biology

Faculty Supervisor: Mark Chan

2025-BCMB-112

Genetic Approaches for Vitamin B6 Biofortification

Rebecca Wong

Department of Biology

Faculty Supervisor: Zheng-Hui He

2025-BCMB-113

Exploring the Impact of Metal Toxicity on Cellular Structures and Vacuole Inheritance in *Saccharomyces cerevisiae*

Austin Irungu

Department of Biology

Faculty Supervisor: Mark Chan

2025-BCMB-114

The Sex Specific Function of CLIP Associating Protein II During Spermatogenesis in *Caenorhabditis elegans*  
Allen Michael Ramsey, Emma Harms, Elida Hernandez  
Department of Biology  
Faculty Supervisor: Diana Chu

2025-BCMB-115

Investigating a Nature-Based Intervention for Maintaining Relative Telomere Length and Resting Heart Rate in BIPOC TAY in the San Francisco Bay Area  
Isabella Ramirez, Rizelle Jugarap, Jessi Jeronimo  
Department of Biology  
Faculty Supervisor: Leticia Márquez-Magaña

2025-BCMB-116

Investigating Essential Genes for Mitochondrial Function Using Genomics in *Drosophila*  
Madison Raub  
Department of Biology  
Faculty Supervisor: Blake Riggs

2025-BCMB-117

Determining Optimal Application Time of Dichlorogamine for Harmful Algal Bloom Control  
Marie Spehlmann  
Department of Biology  
Faculty Supervisor: Zheng-Hui He

2025-BCMB-118

Investigating Jagn1 Role in Trafficking of Prospero, aPKC, and Numb During *Drosophila melanogaster* Embryogenesis  
Frank Wu, Laura Galvan, Nina Marcelo, Uzor Awuzie, Mikesha Carte  
Department of Biology  
Faculty Supervisor: Blake Riggs

2025-BCMB-119

FluorCam: Robotic Camera for Fluorescence Microscopy  
Addy Brien, Peter Chudinov, Diana Ceron, Isabella Estevez, Jacob Vazquez, Keezean Giron Paguio, Keith Carrtrell Curry, Leonard Matthias Chau, Alexandria Dolores Nesbeth  
School of Engineering  
Faculty Supervisor: Raymond Esquerra

2025-BCMB-120

Unveiling the Role of Soil Microbes in Vitamin B6 Homeostasis: Insights from the RUS1 Mutant in *Arabidopsis*  
Abigail Mora Lemus, Vivian Ho, Sydney Kenber, Jasmeeran Sidhu  
Department of Biology  
Faculty Supervisor: Zheng-Hui He

2025-BCMB-121

ENPPI Inhibition as a Therapeutic Target in Osteosarcoma  
Thomas A. Rodriguez, Borja Ruiz-Fernandez de Cordoba (UCSF)  
Department of Biology  
Faculty Supervisor: Cathy Samayoa

2025-BCMB-122

Building Disease-associated Tau Amyloids in vitro: Cryo-EM Insights of Polyanion-Induced Tau Fibrils  
Emily Hernandez  
Department of Chemistry & Biochemistry  
Faculty Supervisor: Eric Greene

2025-BCMB-123

Investigating the Role of the Glypican Dally in the Development of the *Drosophila* Central Nervous System  
Nina Nicole Marcelo  
Department of Biology  
Faculty Supervisor: Blake Riggs

2025-BCMB-124

Development and Application of Bioassays to Quantify the Potency of  $\beta$ -Lactam Antibiotics  
Mark Trujillo, Engie Ho, Nada Elshaer, Caitlin Davis  
Department of Chemistry & Biochemistry  
Faculty Supervisor: George Gassner

2025-BCMB-125

Defining the Sex-Specific Differences in the Meiosis I/II Transition of *C. elegans* Spermatogenesis Through CLS-2 Localization  
Emma Harms, Allen Ramsey, Elida Hernandez  
Department of Biology  
Faculty Supervisor: Diana Chu



2025-BCMB-126  
A Cell Free System for the Biocatalytic Production of Semisynthetic Penicillins  
Yingyi Huang, Tymesha Bovell, Huong Trinh, Claudia Harnish-Meyer, Chas Smith, Guillermo Rodriguez  
Department of Chemistry & Biochemistry  
Faculty Supervisor: George Gassner

2025-BCMB-127  
Mass Screening of Metabolites as Human Glutamine Synthetase Regulators  
Ryan Leung, Rowan Jacobs  
Department of Biology  
Faculty Supervisor: Eric Greene

2025-BCMB-128  
Quantifying the Total Germline in Male *Caenorhabditis elegans*  
Elida Hernandez, Allen Ramsey, Emma Harms, Arnie Nathan Maravillas  
Department of Biology  
Faculty Supervisor: Diana Chu

## **Civil & Mechanical Engineering (CME)**

2025-CME-201  
Balsa Wood Tower  
Aaron Iverson, Guadalupe Hernandez, Albert Pineda, Erick Garcia, Austin Luong  
School of Engineering  
Faculty Supervisor: Zhaoshuo Jiang

2025-CME-202  
Automatic Book Organizer  
Alexander Rudolph, Emiliano Perez, Michael Cabrera  
School of Engineering  
Faculty Supervisor: Hao Jiang

2025-CME-203  
Real Time Gait Analysis with a Low Cost Smart Shoe Insole  
Emely Villa, Dylan Thai  
School of Engineering  
Faculty Supervisor: David Quintero

2025-CME-204  
Smart Curtain Wall System  
Nuzhat Mohamedraeesh Shaikh  
School of Engineering  
Faculty Supervisor: Zhaoshuo Jiang

2025-CME-205  
Evaluating Structural Resilience in Green Infrastructure: Load Effects and Dynamic Behavior of Steel Moment Frames  
Denise Steffen  
School of Engineering  
Faculty Supervisor: Jenna Wong

2025-CME-206  
SSS and CTT  
Keven Gomez, Ramon Mesina Ramos, Hyago Ribeiro Mesquita  
School of Engineering  
Faculty Supervisor: George Anwar

2025-CME-207  
Torti-Auto  
Joshua Mark Garcia, Anthony Joseph Martinez, Melvin Yang, Kfir Bar, Mario Alfredo Miranda  
School of Engineering  
Faculty Supervisor: George Anwar

2025-CME-208  
NatureFlow - Outdoor Air Purifier  
Essa Alamri, Joshua Villalta, Lance Asido, Bao Nguyen  
School of Engineering  
Faculty Supervisor: Kenya Mejia

2025-CME-209  
Mixed-Used Balsa Wood Tower  
Jane Claire Gapol, Rebeca Passos Cerqueira, Alex Dadi, Noor Aldawoody, Michael Tsegay Edwaro  
School of Engineering  
Faculty Supervisor: Zhaoshuo Jiang

2025-CME-210  
Green Roofs' Impact on Structural Damping  
Minyi Huang  
School of Engineering  
Faculty Supervisor: Jenna Wong

2025-CME-211

Glass Heat: Stored Heat, Sustainable Future  
Alexander L. Scott, Brennan J. Phung, Suyash Krishan  
School of Engineering  
Faculty Supervisor: Kenya Mejia

2025-CME-212

Dynamic Analysis of Dam Structures Using Finite  
Element Modeling and Time History Analysis  
Edward Lorenzo Aranda-Munoz, Cody Stephenson  
School of Engineering  
Faculty Supervisor: Cheng Chen

2025-CME-213

Solar Sunblinds  
Benjamin Chu, Nathanael Albert, Max Western,  
Jorge Meza Moran  
School of Engineering  
Faculty Supervisor: Kenya Mejia

2025-CME-214

Modular and Adjustable School Desk Redesign  
Mario Martinez  
School of Engineering  
Faculty Supervisor: Kenya Mejia

2025-CME-215

Design and Development of a Universal Actuator  
Characterization Test Station for Wearable Robotics  
Ryan J. Hartnett, Jarren Bachiller Berdal  
School of Engineering  
Faculty Supervisor: David Quintero

2025-CME-216

Steel Bridge  
Angie Cardenas, Diego Lomeli, Yanni Michael Indindoli,  
Dominic Jason Tating, Amandeep Singh  
School of Engineering  
Faculty Supervisor: Zhaoshuo Jiang

2025-CME-217

Datsun S30 Rear Suspension  
Brandon Rapoza, Waylon Lau, Karina Anaya  
School of Engineering  
Faculty Supervisor: George Anwar

2025-CME-218

Deep Learning Based Analysis of Footstep Induced Floor  
Vibrations for Occupant Health Monitoring  
Joshua Bruce Mehlman, P.E., Tsering Yangchen Yonzon  
School of Engineering  
Faculty Supervisor: Zhuwei Qin

2025-CME-219

Multimodal Sensor Fusion of Peripheral Sensing and  
Vision for Continuous Grasping Control in Hand  
Rehabilitation Exoskeleton  
Oscar Vazquez, Josh Mehlman, Milton Tinoco  
School of Engineering  
Faculty Supervisor: David Quintero

2025-CME-220

Robotic Healthcare Teleoperation of a Vision-Guided  
Virtual Tunneling Control for Oral Feeding Assistance  
Elizabeth Kirwan  
School of Engineering  
Faculty Supervisor: David Quintero

2025-CME-221

Luginator 6000  
Saul Cervantes-Hernandez, Felix Gotovskiy,  
Vishu Vinayak Dubey  
School of Engineering  
Faculty Supervisor: George Anwar

2025-CME-222

Autonomous Shopping Cart  
Francesca Hudnall-Saez, Leo Doussot, Dmitriy  
Rybachenko  
School of Engineering  
Faculty Supervisor: George Anwa

2025-CME-223

Reinventing the Toilet Paper Holder  
Mehdi M. Omar Ali Mansour  
School of Engineering  
Faculty Supervisor: Hao Jiang

2025-CME-224

Analysis on Human Induced Vibration in Structures and  
Health Monitoring  
Tsering Yonzon, Josh Mehlman  
School of Engineering  
Faculty Supervisor: Zhaoshuo Jiang



2025-CME-225  
Pantograph Outboard Motor Hoist  
Grace Combs, Addison Lawrence, Lucas Barrosa  
School of Engineering  
Faculty Supervisor: Hao Jiang

2025-CME-226  
Utilizing Medial Images from Micro-CT Scans to  
Detect 3D Morphological Aspects of the Fallopian Tube  
Aaron Nolasco  
School of Engineering  
Faculty Supervisor: Mojtaba Azadi

## **Computer Science, Computer Engineering, Electrical Engineering (CSEE)**

2025-CSEE-301  
A Multimodal Transformer Framework to Forecast  
Engagement in Health Videos  
Andrew Dahlstrom  
Department of Computer Science  
Faculty Supervisor: Anagha Kulkarni

2025-CSEE-302  
The Thera-Boot  
Cameron Tuttle  
School of Engineering  
Faculty Supervisor: Alyssa Kubota

2025-CSEE-303  
RISC-V CPU  
Ethan Garcia, Ethan Weldon, Cannek Heredia,  
Ryan Kwong  
School of Engineering  
Faculty Supervisor: Hao Jiang

2025-CSEE-304  
Fall Detection  
Mutaz Albazian, Ifrah Rizwan, Benjamin Truong,  
Utkarsh Nath  
School of Engineering  
Faculty Supervisor: Hao Jiang

2025-CSEE-305  
Optimization of Optimal Buffer Insertion Under  
Electromigration Effect in Nanoscale Technologies  
Moiz Ahmed Khan, Josep Alberto Munguia,  
Luis Orellana, Bhargav Bhagawan Pawar  
School of Engineering  
Faculty Supervisor: Hamid Mahmoodi

2025-CSEE-306  
Hardware-Based Pseudorandom Number Generator  
Brandon Arca, Naomi Lozano, Roththida Sok,  
Shao Lin Lan  
School of Engineering  
Faculty Supervisor: Hao Jiang

2025-CSEE-307  
Machine Learned Ranking Algorithms in the Domain of  
E-Commerce and Business on Amazon  
Pragya Jha  
Department of Mathematics  
Faculty Supervisor: Luella Fu

2025-CSEE-308  
EnviroView Stereovision  
Devan Sudra, William Amezcua, Milton Tinoco,  
John Jakosalem  
School of Engineering  
Faculty Supervisor: Hao Jiang

2025-CSEE-309  
Course Buddy - A Course Selection & Recommendation  
System for Computer Science Department  
Shail Tejas Patel  
Department of Computer Science  
Faculty Supervisor: Jingyi Wang

2025-CSEE-310  
Centralizing Healthcare Staff COVID-19 Experiences  
from Social Media Platforms  
Parth Panchal, Akshar Gothi, Vikas Sharma,  
Lakshay Mittal, Sanjana Gaddamanugu  
Department of Computer Science  
Faculty Supervisor: Shahrukh Humayoun

2025-CSEE-311  
WebGraphViz: A WebGL-Based Interactive Graph  
Visualization Tool for Visual Data Management  
System (VDMS)  
Luis Aguilar  
Department of Computer Science  
Faculty Supervisor: Shahrukh Humayoun

2025-CSEE-312

Visual Exploration and Comparison of Multi-Classification Model with High Number of Classes  
Sai Praneeth Gudala, Yash Jitendrabhai Bhadiyadra,  
Aung Phyo, Durga Silva Lokesh Telaprolu  
Department of Computer Science  
Faculty Supervisor: Shahrukh Humayoun

2025-CSEE-313

Designing and Developing an Optimized RAG System  
with a Comparative Analysis of Vector Stores  
Siham Argaw  
Department of Computer Science  
Faculty Supervisor: Shahrukh Humayoun

2025-CSEE-314

Alzheimer's Disease Progression Probability  
Estimation with Alzheimer's Disease Neuroimaging  
Initiative Dataset  
Huong Trinh, Chad Kite, Mark Trujillo  
Department of Chemistry & Biochemistry  
Faculty Supervisor: Sara El Alaoui

2025-CSEE-315

Evaluating the Impact of Segmentation on Feature  
Extraction for Multi-Modal Brain Tumor Classification  
Iris Ella Cruz, Paige Camaya, Dona Inayyah Don Nazwim  
Department of Biology  
Faculty Supervisor: Sara El Alaoui

2025-CSEE-316

Evaluating Deep Learning Architectures for Early  
Pancreatic Cancer Detection in CT Imaging  
Oscar Rodriguez, Aries Socrates, Robert Ace Gonzales  
Department of Biology  
Faculty Supervisor: Sara El Alaoui

2025-CSEE-317

Using Deep Learning to Predict Presence of  
Oropharyngeal Cancer with the RADCURE Dataset  
Emory Adelman, Nehemiah Setiawan,  
Andrew Dahlstrom  
Department of Biology  
Faculty Supervisor: Sara El Alaoui

2025-CSEE-318

Improve Switch Magnetic Filter for Ocean Water  
Ricardo K. Miura  
School of Engineering  
Faculty Supervisor: Fhazhil Wamalwa

2025-CSEE-319

Virtual Reality Environment for Engineering (VREE):  
A 3D Virtual Reality Environment for Training Civil  
Engineering Students  
Aishwarya Magar, Monisha Mekala, Sneha Katturu,  
Shivani Bokka  
Department of Computer Science  
Faculty Supervisor: Shahrukh Humayoun

2025-CSEE-320

The Social Justice Syllabus Design Tool  
Supriya Rangaswamy, Mukesh Ramdam  
Department of Computer Science  
Faculty Supervisor: Shahrukh Humayoun

2025-CSEE-321

Making the Grade: Measuring Rigor and Bias in  
the Classroom  
Jonathan Jacobson  
Department of Computer Science  
Faculty Supervisor: Shahrukh Humayoun

2025-CSEE-322

AURA: Audio-Visual Emotion Recognition Assistant  
Aaryan Singh, Bisum Singh Tiwana, Ratish Sharma  
School of Engineering  
Faculty Supervisor: Sanchita Ghose

2025-CSEE-323

Environmental Sound Recognition  
Ian Fulton, Evan Nguyen, Phillip Le  
School of Engineering  
Faculty Supervisor: Hao Jiang

2025-CSEE-324

ViDeCanvas: Video Object Detection  
Visualization Canvas  
Areeb Abbasi  
Department of Computer Science  
Faculty Supervisor: Shahrukh Humayoun

2025-CSEE-325

Visual Analytics for Understanding Large-Scale  
Data Trends  
Naisarg Halvadiya  
Department of Computer Science  
Faculty Supervisor: Shahrukh Humayoun

2025-CSEE-326  
Enhanced Retrieval-Augmented Generation with Adaptive Query Rewriting and Caching  
Bryan Lee, Yuto Mori  
Department of Computer Science  
Faculty Supervisor: Robert Mateescu

2025-CSEE-327  
Modeling Metaphors: Analyzing Fine-Tuning Effects in ChatGPT  
Cassia Reddig  
Department of Computer Science  
Faculty Supervisor: Dragutin Petkovic

2025-CSEE-328  
Motor Skill Acquisition Error Measurement System  
Joshua R. Samson, Michael B. Cabrera, Milton Tinoco  
School of Engineering  
Faculty Supervisor: Alyssa Kubota

2025-CSEE-329  
Performance Analysis of Multiple Versions of Matrix Multiplication  
Xiaoxuan Wang  
Department of Computer Science  
Faculty Supervisor: E. Wes Bethel

## Environment (ENV)

2025-ENV-401  
Assessing Non-Native Species Prevalence Across Multiple Protection Levels in Central California  
Maggie Stoffer  
College of Science and Engineering  
Faculty Supervisor: Andrew Chang

2025-ENV-402  
Crab-solutely Resilient: Unraveling the Genomic Basis of Heat and pH Tolerance of Two Porcelain Crabs  
Cecilia Hodson  
Department of Biology  
Faculty Supervisor: Jonathon Stillman

2025-ENV-403  
Evaluating the Long-term Success of a Stream Restoration Project in San Pedro Creek, Pacifica, California  
Fiona Lawler  
School of the Environment  
Faculty Supervisor: Jerry Davis

2025-ENV-404  
Investigating the Impact of Host Blood Meal Identity on *Ixodes pacificus* Microbiome Using a Multi-Species Analysis of Small Mammals and Reptiles  
Mariah Angel Cuyson  
Department of Biology  
Faculty Supervisor: Andrea Swei

2025-ENV-405  
Morphological Diversity, Distribution, and Reproductive Mode of Epiphytic Lichens on *Baccharis pilularis*  
Katrina McCollough  
Department of Biology  
Faculty Supervisor: Jenna Ekwealor

2025-ENV-406  
Tracking Seasonality of Pathogens and Antimicrobial Resistant Genes Using San Francisco State University Wastewater  
Gabriela Franco  
Department of Biology  
Faculty Supervisor: Archana Anand

2025-ENV-407  
Genomic Assembly of the Galápagos Endemic Lava Gull (*Leucophaeus fuliginosus*): A Foundation for Species Conservation  
Jessica Martin  
Department of Biology  
Faculty Supervisor: Jaime Chaves

2025-ENV-408  
Evaluating Microplastic Contamination in Water and Sediment Across the San Francisco Bay  
Kyle Roe  
School of the Environment  
Faculty Supervisor: Archana Anand

2025-ENV-409  
The Effect of Key Climate Variables on Bee Distributions in California  
Jessie Davidson, George Brooder, Jem Dimaano-Soliza, Benjamin Gantt  
Department of Biology  
Faculty Supervisor: Gretchen LeBuhn

2025-ENV-410

A Core Insect Sex-Determination Gene Has Surprising Within-Species Diversity Across Hymenoptera (Bees, Ants, Wasps, etc.)

Anaya Flowers, Gwenndolyn Campbell

Department of Biology

Faculty Supervisor: Scott Roy

2025-ENV-411

Are We Exclusive? Genomic Conflict and Imprinting in Monogamous vs Polygamous Populations

Paige Camaya, Nico Fernandes

Department of Biology

Faculty Supervisor: Scott Roy

2025-ENV-412

Geobiological Controls on Travertine Accretion in Keane Wonder Spring, Death Valley National Park

Ruby Wang

School of the Environment

Faculty Supervisor: Yadira Ibarra

2025-ENV-413

Isolation and Characterization of Novel *Vibrio* Bacteriophages in Oysters and Sediment in the San Francisco Bay

Morgan Hernandez, Benjamin-Rafael Mingoa

Department of Biology

Faculty Supervisor: Archana Anand

2025-ENV-414

Investigating Safer and More Sustainable Methods for Synthesizing InP Shells to Strengthen Optical Performance of Near Infrared Emissive InAs Quantum Dots

Alexander Gomez, Marcello Garbo, Trang Le

Department of Chemistry & Biochemistry

Faculty Supervisor: Michael Enright

2025-ENV-415

Photoperiod Responses in Behavior and Corticosterone of a Facultative Migrant, the Anna's Hummingbird *Calypte anna*

Sam M. Sandoval, Chelsea B. Johnson, Jesus R. Ovalle, Maya Razniak, Graciela Bejarano

Department of Biology

Faculty Supervisor: Derrick JE Groom

2025-ENV-416

From the Diet of the Rhinoceros Auklet: Quantifying Microplastics in Juvenile Shortbelly Rockfish

Laila Sanahmadi

College of Science & Engineering

Faculty Supervisor: Ellen Hines

2025-ENV-417

The Effect of Microplastics (MP) in Prey (*Emerita analoga*) on the Foraging Success of Sanderlings (*Calidris alba*)

Nicholas Tumbale

Department of Biology

Faculty Supervisor: Jonathon Stillman

## Mathematics & Physical Science (MPS)

2025-MPS-501

Generalizing Lattice Point Enumeration

Thomas Kunze

Department of Mathematics

Faculty Supervisor: Matthias Beck

2025-MPS-502

Machine Learning for Detection of Multi-Planet Signals in Radial Velocity Surveys

Shvetha Chynoweth

Department of Physics & Astronomy

Faculty Supervisor: John Brewer

2025-MPS-503

The R-Process Alliance: Abundances of r-Process Enhanced Metal-Poor Stars from Portrait Spectra from McDonald Observatory

Peter Haramis

Department of Physics & Astronomy

Faculty Supervisor: Charli Sakari

2025-MPS-504

Reconstructing the Direction of Ultra-High-Energy Cosmic Rays Using a Simulation-Based Inference Approach

Zachary Mason

Department of Physics & Astronomy

Faculty Supervisor: Oscar Macias

2025-MPS-505

Electromagnetically Isolated Global Signal Estimation Platform

Dominic Vazquez

Department of Physics & Astronomy

Faculty Supervisor: Charli Sakari

2025-MPS-506

What Is That Smell? Oh, It's Ross 458c: Retrieving Atmospheric Properties with JWST

Gabriel Muñoz Zarazúa, Hansica Dutt Ganta, Anu Roy

Department of Physics & Astronomy

Faculty Supervisor: Eileen C. Gonzales

2025-MPS-507

Positive Semidefinite Matrix Factorizations

Kristen Dawson

Department of Mathematics

Faculty Supervisor: Serkan Hosten

2025-MPS-508

Evaluating and Mapping Demographic Disparities with Traffic Stop Data

Chad Kite

Department of Mathematics

Faculty Supervisor: Anandamayee Majumdar

2025-MPS-509

Direction Reconstruction of Ultra-High Energy Cosmic Rays with Simulation-Based Inference

Sarvesh Shinde

Department of Physics & Astronomy

Faculty Supervisor: Oscar Macias

2025-MPS-510

Denosing Radio Pulses from Air Showers Using Machine Learning Methods

Zhisen Lai

Department of Physics & Astronomy

Faculty Supervisor: Oscar Macias

2025-MPS-511

Nanowaveguide-Illuminated Fluorescence Correlation Spectroscopy at Micromolar Concentrations

Cristian Adrian Rodriguez, Daniel A. Castro

Department of Physics & Astronomy

Faculty Supervisor: Huizhong Xu

2025-MPS-512

A Tale of Two Dwarfs: Unveiling J1416+1348 B with JWST

Efrain Alvarado III, Ember Anastasia Vosmek-Park

Department of Physics & Astronomy

Faculty Supervisor: Eileen C. Gonzales

2025-MPS-513

Boundary Strata in Moduli Spaces of Genus-One Curves

Elijah Valverde

Department of Mathematics

Faculty Supervisor: Emily Clader

2025-MPS-514

d-Fold Partition Diamonds Through Posets

Kobe Wijesekera

Department of Mathematics

Faculty Supervisor: Matthias Beck

2025-MPS-515

Unveiling the Atmosphere of Ross 458c: a Brown Dwarf in Virgo

Hansica Dutt Ganta, Gabriel Munoz Zarazua,

Anuranj Roy

Department of Physics & Astronomy

Faculty Supervisor: Eileen C. Gonzales

2025-MPS-516

Photoelectrocatalytic Degradation of Lignin Model Substrates Using Quantum Dots

Sam Tanabe, Zoe Lambert

Department of Chemistry and Biochemistry

Faculty Supervisor: Michael Enright

2025-MPS-517

Tip-Enhanced Raman Spectroscopy

Jie Goodrich, Daniel Alejandro Castro

Department of Physics & Astronomy

Faculty Supervisor: Huizhong Xu

2025-MPS-518

Reconstructing Electric Field Signals from Extensive Air Showers Using Simulation Based Inference

Emily Weissling, Thomas McKinley

Department of Physics & Astronomy

Faculty Supervisor: Oscar Macias

2025-MPS-519  
Eulerian Polynomials for Bidirected Graphs  
Panya Sukphrane  
Department of Mathematics  
Faculty Supervisor: Matthias Beck

2025-MPS-520  
Fabrication of MoS<sub>2</sub>-Graphene Heterostructures  
for Application in High-Speed High-Responsivity  
Photodetectors  
Juan Pablo Campbell Naranjo, James Xu  
Department of Physics & Astronomy  
Faculty Supervisor: Huizhong Xu

2025-MPS-521  
Effect of Electronic Substituents on the Electrochemical  
Oxidation of Benzyl Alcohols  
Sean Spriggs  
Department of Chemistry & Biochemistry  
Faculty Supervisor: Jingjing Qiu

2025-MPS-522  
Constraining the Carbon-to-Oxygen Ratio in Ross 458c  
Anuranj Roy  
Department of Physics & Astronomy  
Faculty Supervisor: Elieen C. Gonzales

2025-MPS-523  
Investigation on the Influence of Nafion on Cobalt  
Electrocatalysts in the Oxygen Evolution Reaction  
Timothy Lin, Alexandra Guardado Menjivar  
Department of Chemistry & Biochemistry  
Faculty Supervisor: Jingjing Qiu

2025-MPS-524  
Quantum Dot Functionalization Through Surface  
Ligand Reactions  
Milo Sack  
Department of Chemistry & Biochemistry  
Faculty Supervisor: Michael Enright

2025-MPS-525  
Enhancing Photocatalytic C–O Bond Cleavage in Ligning  
Using CuAlS<sub>2</sub>/ZnS Quantum Dots: Synthesis Purification  
and Modification of Semiconductor Nanoparticles  
T. Fay Harris, Gabi Vazquez  
Department of Chemistry & Biochemistry  
Faculty Supervisor: Michael Enright

2025-MPS-526  
Bayesian Analysis of the Radio Signals Produced by  
Ultra-High-Energy Cosmic Rays  
Ryan Thong  
Department of Physics & Astronomy  
Faculty Supervisor: Oscar Macias

2025-MPS-527  
Faceted Copper Nanocubes for Selective CO<sub>2</sub> Reduction  
to High-Value Products  
Robert Lam, Jonah Salman Ambrose Glass-Hussain  
Department of Chemistry & Biochemistry  
Faculty Supervisor: Michael Enright

2025-MPS-528  
Numerical Simulation and Experimental Measurement  
for EM Enhancement of SERS  
Muyang Huang  
Department of Physics & Astronomy  
Faculty Supervisor: Huizhong Xu

2025-MPS-529  
Analyzing Size and Structural Effects on Photocatalytic  
Efficiency of CdSe Nanoparticles  
Emilio Aguilar, Chloe Peak, Kayla Lee  
Department of Chemistry & Biochemistry  
Faculty Supervisor: Michael Enright

2025-MPS-530  
Multiscale Modeling of Phase Evolution in Polymorphic  
Manganese Dioxide for Energy Applications  
Zorikto Erdyneev  
Department of Chemistry & Biochemistry  
Faculty Supervisor: Nicole Adelstein

2025-MPS-531  
Simulating Structure and Diffusivity in the Inorganic  
Components of the Cathode Electrolyte Interface  
Eshton Liu  
Department of Chemistry & Biochemistry  
Faculty Supervisor: Nicole Adelstein

2025-MPS-532  
Optimizing TiO<sub>2</sub> Anatase Thin Film Growth  
for Photocatalysis  
Gabriella Chavez, Luis Esquivel, Faven Berhane  
Department of Chemistry & Biochemistry  
Faculty Supervisor: Andrew Ichimura



2025-MPS-533  
Atmospheric Retrieval of L Class Subdwarf J1416A  
Ember Vosmek-Park, Efrain Alvarado III  
Department of Physics & Astronomy  
Faculty Supervisor: Eileen Gonzales

## Microbiology, Biomedical Science (MBS)

2025-MBS-601  
Localization of BR-Bodies in *Sinorhizobium meliloti*  
During Host Colonization  
Nima Pendar  
Department of Biology  
Faculty Supervisor: Joseph C. Chen

2025-MBS-602  
Antibiotic Producers in the Rhizosphere at SFSU:  
Antibiotic Activity and Plant Proximity  
Phway Phway Myat, Lykourgos A. Tsangaropoulos  
Department of Biology  
Faculty Supervisor: Brinda Govindan

2025-MBS-603  
A Conserved but Atypical ABC Transporter in the  
Alpha-Proteobacterium *Sinorhizobium meliloti* Confers  
Resistance to a Range of Antimicrobials  
Klara Christensen  
Department of Biology  
Faculty Supervisor: Joseph C. Chen

2025-MBS-604  
Spotting the Difference Between Healthy Lungs and  
COVID-19 in Medical Images  
Junyoung Kim, Abraham Zepeda, Maria Anjum  
Department of Computer Science  
Faculty Supervisor: Sara El Alaoui

2025-MBS-605  
Tumor Detection in Medical Images  
Adrian Lopez, Leinad Rivas, Victor Palacios  
Department of Mathematics  
Faculty Supervisor: Sara El Alaoui

2025-MBS-606  
Characterizing Environmental and Oyster Microbiomes  
for Oceanic Restoration  
Sanjiev Nand  
Department of Biology  
Faculty Supervisor: Archana Anand

2025-MBS-607  
Automating Kidney and Kidney Tumor Segmentation  
Using Deep Learning  
Carlos De Leon, Nathalie Aquino, Gwenndolyn  
Campbell  
Department of Computer Science  
Faculty Supervisor: Sara El Alaoui

2025-MBS-608  
Initial Menstrual Experiences May Moderate  
Future Menstruations  
Lorelei Tavernier  
Department of Psychology  
Faculty Supervisor: Erik Peper

2025-MBS-609  
Using Machine Learning for Assistance in Early Breast  
Cancer Detection  
Lupe Amigon, Isaac Walker, Manuel Duran  
Department of Computer Science  
Faculty Supervisor: Sara El Alaoui

2025-MBS-610  
Identifying Polyethylene Terephthalate (PET) Plastic  
Biodegradation Potential in *Exiguobacterium* sp.  
Brennan Withers  
Department of Biology  
Faculty Supervisor: José R. de la Torre

2025-MBS-611  
*Exiguobacterium*: A Clinical Aspect  
Louise Jae Dum Dumaya  
Department of Biology  
Faculty Supervisor: José R. de la Torre

2025-MBS-612  
Evaluating the Transferability of a CNN-Based HIV  
Drug Resistance Prediction Model Across Subtypes  
and Continents  
Estefanos Kebebew, Takkudzwa Chirenje,  
Tarnampreet Kaur, Kaylee Chow  
Department of Biology  
Faculty Supervisor: Pleuni Pennings

2025-MBS-613  
Remnants of Viral Sequences in SFSU *Exiguobacterium*  
Isabella Estevez  
Department of Biology  
Faculty Supervisor: José R. de la Torre

2025-MBS-614  
Comparative Genomic Analysis of Plastic-Degrading  
Enzymes in *Exiguobacterium* and *Ideonella sakaiensis*  
Julia Cedillo  
Department of Biology  
Faculty Supervisor: José R. de la Torre

2025-MBS-615  
What Genomic Features of *Exiguobacteria* Contribute  
to the Potential for Heavy Metal Resistance  
and Absorption?  
Henry Xie  
Department of Biology  
Faculty Supervisor: José R. de la Torre

2025-MBS-616  
Bioremediation Properties in *Exiguobacterium* strain  
BIOL402GW\_2A1  
Julian Vega  
Department of Biology  
Faculty Supervisor: José R. de la Torre

2025-MBS-617  
Evaluating the Role of *Exiguobacterium* in Arsenic and  
Pollutants in Soil  
Milca Valderrama  
Department of Biology  
Faculty Supervisor: José R. de la Torre

2025-MBS-618  
Methane Metabolism in a Novel Strain of  
*Exiguobacterium*  
Esha Prasad  
Department of Biology  
Faculty Supervisor: José R. de la Torre

2025-MBS-619  
Cross-Feeding in Bacterial Biofilms and its Impact on  
Branched-Chain Amino Acid Biosynthesis  
Taylor Kan  
Department of Biology  
Faculty Supervisor: José R. de la Torre

2025-MBS-620  
Antimicrobial Resistance Genes Acquired Through  
Horizontal Gene Transfer in *Exiguobacterium*  
Lykourgos A. Tsangaropoulos  
Department of Biology  
Faculty Supervisor: José R. de la Torre

2025-MBS-621  
Metagenomic Insights into AMR Gene Prevalence in  
Municipal Wastewater: A One Health Approach  
Michael Anthony Hajkowski  
Department of Biology  
Faculty Supervisor: Archana Anand

2025-MBS-622  
*Exiguobacterium* as a Potential Source of Antibiotics: A  
Genomic Analysis  
Katelyn Ha  
Department of Biology  
Faculty Supervisor: José R. de la Torre

2025-MBS-623  
The Environmental and Health Competency of UV  
Irradiation on *Pseudomonas*  
Daniel Alejandro Urista, Ashley Lim  
Department of Biology  
Faculty Supervisor: Lily Chen

2025-MBS-624  
Comparative Assessment of Microbe and AMR  
Dissemination in Wastewater Biosolids  
Katherine Dick, Alexandra Jose  
Department of Biology  
Faculty Supervisor: Archana Anand

2025-MBS-625  
Cdv Cell Division in the Thaumarchaeon  
*N. yellowstonensis*  
Juliana De Arman  
Department of Biology  
Faculty Supervisor: José de la Torre

2025-MBS-626  
Antibiotic Production in *Exiguobacterium acetylicum*  
Charles Frame  
Department of Biology  
Faculty Supervisor: José R. de la Torre

2025-MBS-627  
Larger Flexible Genomic Islands Contribute to the Environmental Adaptability of *Exiguobacteria*  
Denis Cruz  
Department of Biology  
Faculty Supervisor: José R. de la Torre

2025-MBS-628  
*Exiguobacterium*-Mediated Collagen Degradation: An Enzymatic Approach for Animal Glue Removal in Historical Restoration  
Michyla Huff  
Department of Biology  
Faculty Supervisor: José R. de la Torre

## Physiology, Zoology, Marine Science (PZMS)

2025-PZMS-701  
Temporal and Spatial Expression Patterns of TRPM1 and PKC $\alpha$  During Retinal Development in the Little Skate (*Leucoraja erinacea*)  
Elvira Magaña  
Department of Biology  
Faculty Supervisor: Ivan A. Anastassov

2025-PZMS-702  
Mapping the Distribution of Neuropeptides Typically Involved in Pain-Like Responses in an Insect Model of Nociception  
Gurleen Kaur, Angus Hamilton, Sathya Correa  
Department of Biology  
Faculty Supervisor: Megumi Fuse

2025-PZMS-703  
Tracking Expression of Rhodopsin and a GABA Transporter in a Single-Photoreceptor Type Retina  
Karina Rodriguez  
Department of Biology  
Faculty Supervisor: Ivan A. Anastassov

2025-PZMS-704  
Classifying Cell Types Using Single Nucleus RNA Sequencing in the Simplex Retina of Little Skate (*Leucoraja erinacea*)  
Andrew Lyon-Lee  
Department of Biology  
Faculty Supervisor: Ivan A. Anastassov

2025-PZMS-705  
Body Allometry of Adults is Maintained After Developmental Delays During Puberty in the Insect *Manduca sexta*  
Joana Navarro, Malea Tuimavave, Leslie Flores  
Department of Biology  
Faculty Supervisor: Megumi Fuse

2025-PZMS-706  
Examining Developmental Characteristics of Lamination and Quantifying Bipolar Cell Mitochondria in the Skate Retina  
Andre Tran  
Department of Biology  
Faculty Supervisor: Ivan A. Anastassov

2025-PZMS-707  
Molecular and Synaptic Organization of a Vertebrate Retina with a Single Photoreceptor Type  
Alexander Agredano  
Department of Biology  
Faculty Supervisor: Ivan A. Anastassov

2025-PZMS-708  
Mapping the Rod Photoreceptors of the Little Skate, *Leucoraja erinacea*, a Unique Retina Model  
Amir Chirar  
Department of Biology  
Faculty Supervisor: Ivan A. Anastassov

2025-PZMS-709  
Quantification and Structure of Mitochondria in Spiking Neurons of the Simplex Skate Retina  
Danica Damaso  
Department of Biology  
Faculty Supervisor: Ivan A. Anastassov

2025-PZMS-710  
How do Changes in Neural Dynamics Influence Behavior in *C. elegans* During Periods of Sleep-Like Quiescence?  
Ruben Castro Corral, Kevin Daigle  
Department of Biology  
Faculty Supervisor: Megumi Fuse

2025-PZMS-711  
A Bromoform Survey Across California Coastal Seaweeds  
Roman Marquez  
Department of Biology  
Faculty Supervisor: Zheng-Hui He

2025-PZMS-712  
The Seasonality of Metabolic Strategies in Anna's Hummingbird (*Calypte anna*)  
Chelsea B. Johnson, Sam M. Sandoval, Jesus R. Ovalle  
Department of Biology  
Faculty Supervisor: Derrick JE Groom

2025-PZMS-713  
Transgenerational Plasticity as a Mechanism of Heatwave Adaptation in *Petrolisthes cinctipes*  
Liliana Pruet  
Department of Biology  
Faculty Supervisor: Jonathon Stillman

2025-PZMS-714  
Changes in Environmental Memory and Navigational Paths of *Pagurus samuelis* When Exposed to Sudden Increased Temperatures  
Ysabelle Jiana Jose  
Department of Biology  
Faculty Supervisor: Jonathon Stillman

2025-PZMS-715  
Flight Energetics of Anna's Hummingbirds Using C-13 Labelled Bicarbonate  
Mauricio Cruz  
Department of Biology  
Faculty Supervisor: Derrick JE Groom

2025-PZMS-717  
Genomic Identification of Coastal Seaweeds in Half Moon Bay  
Kayley Camilleri  
Department of Biology  
Faculty Supervisor: Zheng-Hui He

## **Psychology, Human Geography, Science Education (SOC)**

2025-SOC-801  
Urges During Impulse Control: Implications for Motivation Science  
Clayton A. Taylor  
Department of Psychology  
Faculty Supervisor: Ezequiel Morsella

2025-SOC-802  
The Impact of Critical Incidents on Burnout in University Law Enforcement: Examining the Role of Trauma-Informed Wellness Programs  
Victoria Zaarour  
Department of Psychology  
Faculty Supervisor: Chris Wright

2025-SOC-803  
Response Distortion in Job Burnout Assessments: A Meta-Analytic Study  
Oliver Nocedal, Luma Suryavamsh  
Department of Psychology  
Faculty Supervisor: Kevin Eschleman

2025-SOC-804  
Linking Learning Assistants, Mentors, and Scholars (LLAMAS): LA Experiences  
Joselyn Espinoza Lopez, Austin Wada, Gabriel Munoz Zarazua  
Department of Physics & Astronomy  
Faculty Supervisor: Kim Coble

2025-SOC-805  
The Impact of Reflective Journaling on Undergraduates in Physics and Astronomy Labs  
Niah Freeman  
Department of Physics & Astronomy  
Faculty Supervisor: Kim Coble

2025-SOC-806  
Effective Leadership: How Does Job Stress Moderate the Relationship Between Leadership Styles and Employee Performance?  
Cristian Gomez  
Department of Psychology  
Faculty Supervisor: Chris Wright

2025-SOC-807  
Exploring Attentional Capture: Depth of Processing Distractors  
Sonia Pathak, Divya Shettigar  
Department of Psychology  
Faculty Supervisor: Ezequiel Morsella

2025-SOC-808  
Developing a Standardized Tool for Evaluating Equity in Higher Education Hiring Practices  
Nishka Vipul  
Department of Psychology  
Faculty Supervisor: Kevin Eschleman

2025-SOC-809

How Student Perceptions of Lab and Lecture Relate to Ideas on “Thinking Like a Chemist”

Seiham Alansary, Angelica Kochkarova  
Department of Chemistry & Biochemistry  
Faculty Supervisor: Michelle Sinapuelas

2025-SOC-810

Voices from Within: Incarcerated Workers on Labor and Liberty

Amber Avila, Caitlynn Blanquera, Cameron Chan, Nhan Doan, Jazmine Finuliar, Anya Kugler, Isabella Pacho, Andrew Rogel, Ryo Tuso, Carrie Lee Walker  
Department of Psychology  
Faculty Supervisor: Amy Smith

2025-SOC-811

Puzzling Failure to Replicate the Decoy Effect: Perceptual and Context-Dependent Task

Daniela Ibarra  
Department of Psychology  
Faculty Supervisor: Gaurav Suri

2025-SOC-812

The Role of Perceived Psychological Safety in Moderating the Impact of Workplace Incivility on Job Satisfaction and Turnover Intent

Yedid Chavez Jimenez  
Department of Psychology  
Faculty Supervisor: Chris Wright

2025-SOC-813

Beyond Preferences: Investigating the Relationship Between Choice and Instruction in an Emotion Regulation Context

Catalina Phe  
Department of Psychology  
Faculty Supervisor: Gaurav Suri

2025-SOC-815

Bilingualism and the Mind: Effects on Creativity and Cognitive Flexibility

Joohee Won  
Department of Psychology  
Faculty Supervisor: Kenneth Paap

2025-SOC-816

Fostering Inclusive Learning Environments: The Impact of Peer Mentors in STEM Education

Nicole Klee, Gabriel Munoz Zarazua, Nick Provenzano, Joselyn Espinoza Lopez, Jackson Morse, Dajeong Kim  
Department of Physics & Astronomy  
Faculty Supervisor: Jingyi Wang

2025-SOC-818

Enhancing STEM Retention by Identifying Cultural Capital Themes in Student Writing Using State-of-the-Art Language Models

Khalid Mehtab Khan  
Department of Computer Science  
Faculty Supervisor: Anagha Kulkarni

2025-SOC-820

Remote Work: Exploring Perceptions from Early Career Professionals

Julie Zhu, Kristina Gjika, Nishka Vipul  
Department of Psychology  
Faculty Supervisor: Diana R. Sanchez

2025-SOC-821

Neural Correlates of Habituation in the Reflexive Imagery Task

Bella Benzaken  
Department of Psychology  
Faculty Supervisor: Ezequiel Morsella

2025-SOC-822

Facilitating Personalized Learning with Real-time Support in STEM Using Large Language Models

Jose Torres, Andre Bouvier, Zhenyu Lin  
School of Engineering  
Faculty Supervisor: Zhuwei Qin

## **Thank you to all who made our Student Project Showcase a success:**

### **Planning Committee**

Teaster Baird, Jr.  
Ron Marzke  
Caroline Alcantara  
Holly Fincke  
Lannie Nguyen  
Adria O'Dea

### **Event Assistants**

Omeshree Rajanikant Bharodiya  
Sofia Michael Brazda  
Gwendolyn Campbell  
Manuel Paredes Cerano  
Denzel Dehoyos  
Krushit Moradiya  
Diya Patel  
Manan Hiteshkumar Patel  
Vrunda Alpesh Patel  
Tuan Pham  
Mikayla Robinson  
Sanjana Thiyagarajan  
Leo Hong Wen

### **SF State**

Vincent W. Cheung, College of Science & Engineering  
Carmen Domingo, College of Science & Engineering  
Noel F. De Dios, Integrated Waste Management  
Wilson Fan, CTRL+P Digital Print Shop  
Emanuel Francis, EFrancisWorks  
Nicholas Holmes, Capital Planning, Design and Construction  
Christopher E. Johansson, College of Science & Engineering  
Crystal Kam, College of Science & Engineering  
Vernon Piccinotti, Student Life Event Center  
Chris De La Torre, CTRL+P Digital Print Shop  
Jenny Tu, College of Science & Engineering  
Minling Zhang, College of Science & Engineering

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San Francisco State University



## Event Judges

Timothy Acker	Zhaoshuo Jiang
Henry Ainley	Katie Kulha
Imran Alavi	Bruce Manning
Haris Alijagic	Ornella Mattei
Ivan Anastassov	Kenya Mejia
Niny Arcila-Maya	Fjodor Melnikov
Mojtaba Azadi	Ellen Mills
Joseph Barranco	Alex Miłowski
Stephanie Bazarini	James Morris
Akhilesh Bhambhani	Devin Munoz
Diana Bogorodskaya	Alexander Ngo
Erin Bray	Anthony Ogawa
Renu C	Andrew Oliphant
Cristhian Cadena	Mitzy Porras
Lara Cala Alvarez	Zhuwei Qin
Juan Castillo	Kazi Rahman
Nicole Catly	Joseph Ramahi
Angus Chan	Jan Randall
Jenny Chang	Malori Redman
Singing Chen	Natalie Reeder
Emily Cole	Terry Reyes
Esmeralda Cuevas Juarez	Alexander Saeboe
Jerry Davis	Charli Sakari
Alan Deng	Eric Salgado
Michael Enright	Frederick Santana
Jessica Fielder	Alexander Schuster
Nancy Gerber	Steven Shia
Richard Gerber	Alan Shimoide
Melissa Hagan	Michelle Sinapuelas
Nazmul Haque	Anisha Singh
Shandy Hauk	Amy Smith
Zheng-Hui He	Jonathon Stillman
Tina Herrera	Elias Tannous
Esthelle Hoedt	Taimoor Tariq
Dustin Holley	Camilla Teng
Amy Hsu	Beth Walters
Hugh Hui	Qun Wang
Shahrukh Humayoun	Nancy Wilkinson
Shasta Ihorn	Jaclyn Wolf
Shyam Iyer	Chris Wright

**See you next year!**  
**Friday, May 1, 2026**

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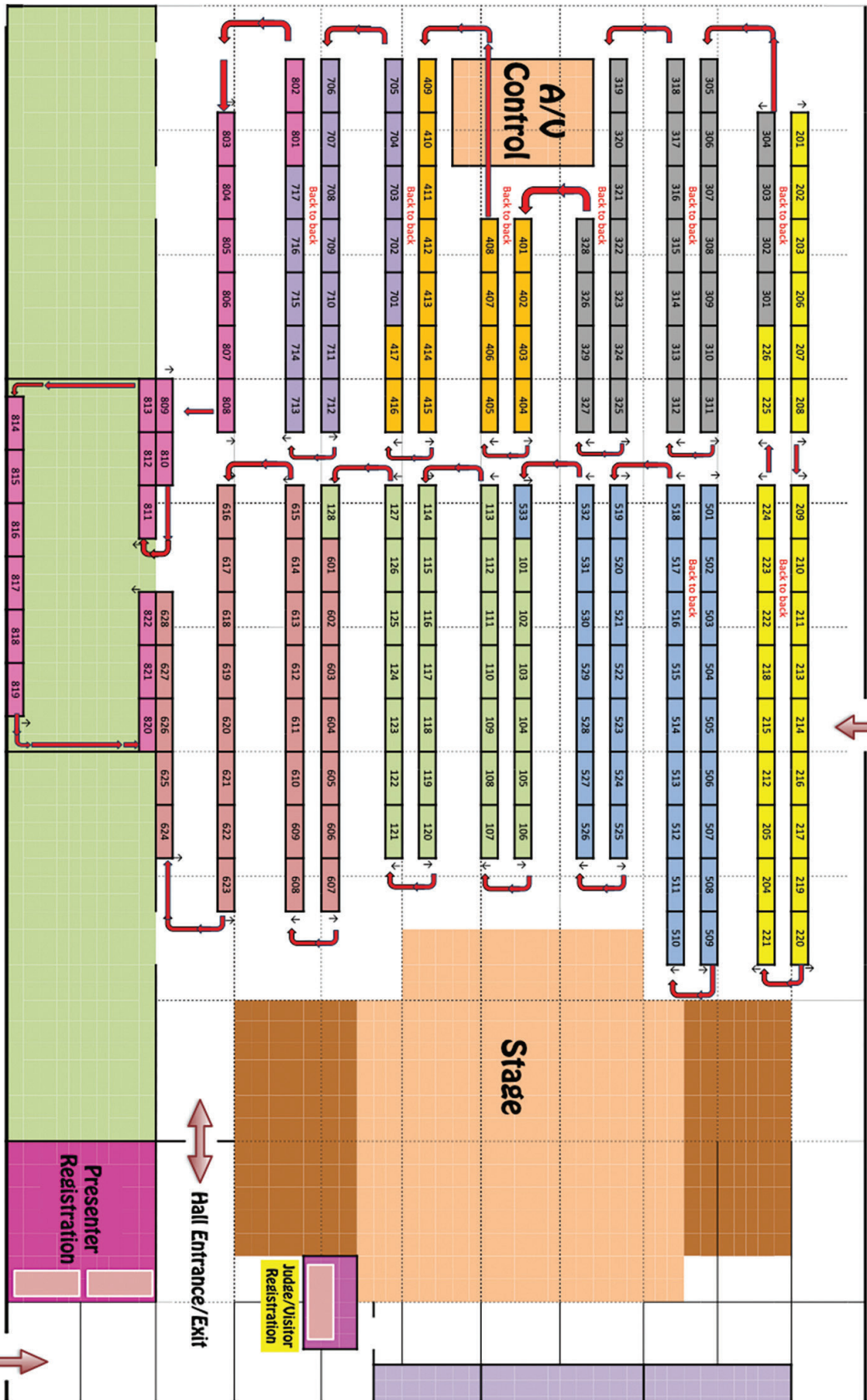


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- 200 Series: (CME) Civil & Mechanical Engineering
- 300 Series: (CSEE) Computer Science, Computer Engineering, Electrical Engineering
- 400 Series: (ENV) Environment
- 500 Series: (MPS) Mathematics & Physical Science
- 600 Series: (MBS) Microbiology, Biomedical Science
- 700 Series: (PZMA) Physiology, Zoology, Marine Science
- 800 Series: (SOC) Psychology, Human Geography, Science Education

**Main Building Entrance/Exit**  
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**Hall Entrance/Exit**



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