

## **CoSE Student Project Showcase 2022 Abstracts**

**May 3, 2022 in SF State Annex 1:**

<https://cose.sfsu.edu/student-project-showcase-program-and-abstracts>

### **SEO SCHOLARS' AWARDS at the CoSE Student Project Showcase 2022:**

#### **GRADUATE STUDENTS LIFE SCIENCES**

1ST Place

Entry Number: 12 GL

Protein-Protein Interaction Analysis of Kaposi's Sarcoma-Associated Herpesvirus and its Role in Host Viral Replication

By: Ernst Heinz V. Pulido

Cellular & Molecular Biology

Faculty Advisors: Dr. Erica L. Sanchez, Dr. Robyn Kaake (UCSF), and Dr. Scott Roy

2nd Place

Entry Number: 29 GL

Analgesics for Improved Welfare in Hummingbird Bobtail Squid (*Euprymna berryi*)

By: Skyler Deutsch, Christopher Seng, and Alyssa Ng

Marine Biology & Limnology

Faculty Advisor: Dr. Robyn Crook

3rd Place

Entry Number: 15 GL

Endocytosis as a regulator of Glucagon Receptor Signaling

By: Jan Mikhale Cajulao and Eduardo Hernandez

Cellular & Molecular Biology

Faculty Advisors: Dr. Erica L. Sanchez and Dr. Mark von Zastrow (UCSF)

#### **GRADUATE STUDENTS PHYSICAL SCIENCES**

3rd Place

Entry Number: 47 GP

Design and Evaluation of an IMU Sensor-based System for the Rehabilitation of Upper Limb Motor Dysfunction

By: Bao Tran

Electrical Engineering

Faculty Advisor: Dr. Xiaorong Zhang, Dr. Charmayne Hughes, and Zhuwei Qin

#### **UNDERGRADUATE STUDENTS LIFE SCIENCES**

1ST Place

Entry Number: 119 UL

Isolating Prostate Cancer-Selective Naphthoquinone Derivatives from *Streptomyces* sp. CP59-55

By: Devin Simbol

Chemistry

Faculty Advisors: Dr. Taro Amagata, Dr. Frederick A. Valeriote, and Dr. Mark Swanson

2nd Place

Entry Number: 106 UL

A Dominant Modifier Screen for Genetic Interactor of Jagunal in Drosophila

By: Jorge Inoja and Judy Abuel

Physiology

Faculty Advisor: Dr. Blake Riggs

3rd Places

Entry Number: 116 UL

Exploring the Regulation of Polyamine Biosynthesis and Degradation via Lysine Acetylation in E. coli

By: Pamela L. Caro De Silva

Biochemistry

Faculty Advisor: Dr. Misty L. Kuhn

Entry Number: 117 UL

Examination of the Structural Motifs that Underpin the GNAT Fold Across Diverse 3D Protein Structures

By: Phelan Glenn and Huy Duc Do

Biochemistry

Faculty Advisor: Dr. Misty L. Kuhn