



December 21, 2021

CSUPERB is pleased to announce 2022 Howell-CSUPERB Research Scholar Awards have been made to 10 students from 7 different CSU universities, totaling \$35,000.

CSUPERB partners with the Doris A. Howell Foundation for Women's Health Research (<http://www.howellfoundation.org/>) to fund promising undergraduate student research projects in topics related to women's health. Together the Howell Foundation and CSUPERB recognize that research experience is critical to engaging and graduating students interested in careers in women's health. In fact, the great majority (>87%) of Howell-CSUPERB scholars go on to apply successfully for graduate degree programs and industry jobs. Each scholar will conduct faculty-mentored research projects during the spring and summer of 2022.

The Howell-CSUPERB Scholars for 2022 are (in alphabetical order):

1. **Andrea Abelian** (Electrical Engineering, California State University, Los Angeles)
Award: \$3,500 for the proposal titled "Characterizing Spreading Depolarizations for Electrophysiology-Based Stroke Therapy"
Mentor: Deborah Won, Electrical Engineering
2. **Yazmine Bedolla** (Biology, California State University, Fresno)
Award: \$3,500 for the proposal titled "Influence of a VHH Crystallization Chaperone on the Structure Determination of MUC1 and MUC16 Specific Antibodies by X-ray Crystallography"
Mentor: Cory Brooks, Chemistry and Biochemistry
3. **Jane Cox** (Biology, California State University, Northridge)
Award: \$3,500 for the proposal titled "Role of LCN2 In Mediating Premetastatic Breast Cancer Progression"
Mentor: Jonathan Kelber, Biology
4. **Stephanie Duarte-Amezcu**a (Biological Sciences, Cellular and Molecular option, California State University, Chico)
Award: \$3,500 for the proposal titled "Predicting Scoliosis based on Neurological Differences during Development"
Mentor: Kristen Gorman, Biological Sciences
5. **Jason Guerrero** (Biochemistry, California State University, Dominguez Hills)



Award: \$3,500 for the proposal titled “Identification of Novel Natural Products with Selective Cytotoxicity against a Breast Cancer Cell Line”

Mentor: Erin McCauley, Chemistry & Biochemistry

6. **Lily Harrison** (Biology, San Diego State University)

Award: \$3,500 for the proposal titled “Does non-nutritive sweetener consumption affect embryonic and pancreas development?”

Mentor: Kari Sant, Public Health

7. **Joanne Mendez** (Biological Sciences Conc. Systems Physiology, San José State University)

Award: \$3,500 for the proposal titled “Probing pH sensitive regulation of the oncogene Myc”

Mentor: Bree Grillo-Hill, Biological Sciences

8. **Guadalupe Romero Viramontez** (Biology, California State University, Fresno)

Award: \$3,500 for the proposal titled “Binding Mechanism of Antibodies to Sea-Urchin-Argin (SEA) Domains in MUC16 for the Study of Pancreatic Cancer Immunotherapy”

Mentor: Cory Brooks, Chemistry and Biochemistry

9. **Luke Tomaneng** (Biology, California State University, Northridge)

Award: \$3,500 for the proposal titled “Determining the role of RAI14 in pancreatic cancer using live-cell imaging”

Mentor: Jonathan Kelber, Biology

10. **Ranel Tuplano** (Biology, California State University, Northridge)

Award: \$3,500 for the proposal titled “Differentiating CD98hc and LAT1/2 functions in eIF5A1/2-dependent migration of triple negative breast cancer cells”

Mentor: Jonathan Kelber, Biology