



November 29, 2018

CSUPERB is pleased to announce 2019 Howell-CSUPERB Research Scholar Awards have been made to 12 students from 8 different CSU universities, totaling \$42,000.

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 recruiting, training and retaining students interested in careers in women's health research. Howell-CSUPERB Scholars show great professional promise academically and in research programs. Each scholar will conduct faculty-mentored research projects during the spring and summer of 2019.

The Howell-CSUPERB Scholars for 2019 are (in alphabetical order):

**1. Rebeca Almeida** (Public Health & Ethnic Studies, Cal Poly, San Luis Obispo)

Award: \$3,500 for the proposal titled "Mammographic Breast Density and Acculturation: Looking at Chinese Immigrants."

Mentor: Marilyn Tseng, Kinesiology & Public Health

**2. Autumn Barker** (Biology, Cal Poly, San Luis Obispo)

Award: \$3,500 for the proposal titled "Effect on Lactobacillus on Escherichia coli biofilm formation."

Mentor: Alejandra Yep, Biological Sciences

**3. Jan Cajulao** (Microbiology, San Francisco State University)

Award: \$3,500 for the proposal titled "Friends or Foes - the Effect of Probiotic Microbiota on Group B Streptococcus."

Mentor: Lily Chen, Biology

**4. Samantha Crawford** (Biochemistry, San Diego State University)

Award: \$3,500 for the proposal titled "Novel Detection of Biomarkers of Breast Cancer using Microfluidics and Nonlinear Multi-photon laser wave-mixing detection."

Mentor: William Tong, Chemistry and Biochemistry

**5. Martey Haw** (Biology, San José State University)

Award: \$3,500 for the proposal titled "Molecular Analysis of Metastasis in Cancer Cells with Increased Intracellular pH."

Mentor: Bree Grillo-Hill, Biological Sciences

**6. Emmanuelle Issa** (Mathematics, California State University, Fresno)  
Award: \$3,500 for the proposal titled "MUC16 Specific Antibody Treatment of Ovarian Cancer."  
Mentor: Cory Brooks, Chemistry

**7. Katia Niño** (Biology, California State University, Fullerton)  
Award: \$3,500 for the proposal titled "Quantification and Dynamic Mapping of the Aminoglycoside Resistance Protein AAC(6)-Ib."  
Mentor: Marcelo Tolmasky, Biological Sciences

**8. Danielle Reynolds** (Biology, San Diego State University)  
Award: \$3,500 for the proposal titled "The Protective Role of ATF6 Under Stress Conditions Caused by Pregnancy and Childbirth."  
Mentor: Chris Glembotski, Biology

**9. Ashley Schwartz** (Mathematics, San Diego State University)  
Award: \$3,500 for the proposal titled "Mathematical and Computational Models Analyzing the Effect of Common Toxins on Embryonic Development in the Zebrafish Model."  
Mentor: Uduak George, Mathematics and Statistics

**10. Khadija Shafiq** (Biotechnology, Cal Poly, Pomona)  
Award: \$3,500 for the proposal titled "Evaluating gD3pep Liposomal Vaccines Containing Different Adjuvants in an Intravaginal HSV-1 Mouse Model."  
Mentor: Jill Adler-Moore, Biology

**11. Jennifer Sih** (Biology, San Diego State University)  
Award: \$3,500 for the proposal titled "Determining the Crystal Structure of two Human MYH7 Myosin Mutations causative of Hypertrophic Cardiomyopathy."  
Mentor: Sanford Bernstein, Biology

**12. Kara Zeman** (Biochemistry, California State University, Sacramento)  
Award: \$3,500 for the proposal titled "Optimization of the Synthesis of Octavalent Glycodendrimers as Anti-HIV Agents."  
Mentor: Katherine McReynolds, Chemistry