

**University of California, Santa Barbara  
Chancellor's Outreach Advisory Board  
2019 Faculty Outreach Grant Proposals**

**FOG Committee Members**

Glenn Beltz, Associate Dean and Professor, College of Engineering (FOG Chair)  
Richard Duran, Professor, Gevirtz Graduate School of Education  
Viviana Marsano, Isla Vista Liaison & Senior Campus Orgs Advisor, Office of Student Life  
Don Lubach, Associate Dean and Director, Office of Student Life  
Mark Shishim, Director, Academic Initiatives, Student Affairs

**List of FOG Awardees**

**Chultuns, Maize and Maya Archaeology: A Multi-disciplinary Research Experience for Community College Students**

Gerardo Aldana, Chican@ Studies

Award: \$16,100

*This project is aimed at first- through third-year community college students within the Regional Alliance of Hispanic Serving Institutions (UCSB, Allan Hancock, Ventura, Oxnard, and Santa Barbara City colleges). The proposed project will expose community college students to culturally rich and relevant, high-level academic research in order to facilitate their transition not only to four-year institutions in general, but also specifically to R1 institutions like UC Santa Barbara. Students will be invited into an institutionalized network that will facilitate their transition to a four-year college even if they do not enroll at UC Santa Barbara.*

**Supporting Parents and Students in Creating Middle School Math Pathways**

Rebecca Mireles-Rios, Gevirtz Graduate School of Education

Award: \$17,596

*This project aims to implement meetings and workshops for middle school families with a focus on increasing the number of students and parents who both believe that college is an option and to increase understanding of the requirements needed to pursue their STEM related careers. We aim to identify the factors that lead to a middle school student being able to envision themselves as a scientist or engineer. By doing this, we gain key insights into the persistent underrepresentation of students of color in technical coursework and careers. The goal is to increase students and parents knowledge about various educational pathways since early math and science tracking most often determines if and where students end up going to college.*

**CCBER Junior Scientists – A Citizen Science Partnership Between Entomologists and 5<sup>th</sup> Grade Researchers**

Katja Seltmann, Cheadle Center for Biodiversity & Ecological Restoration (CCBER)

Janet Meyers, Cheadle Center for Biodiversity & Ecological Restoration (CCBER)

Award: \$17,632

*This junior citizen science program for 5<sup>th</sup> grade students at Isla Vista Elementary School will work with one or two UCSB leaders to gather scientific data over the course of a 3-month period on a number of ant and bumblebee species that reside at North Campus Open Space. One of the project goals is to foster an understanding of the whole ecosystem in support of biodiversity and develop a citizen science project that collects high quality research data on insect distributions in the restored North Campus Open Space (NCOS) wetland. This authentic science-based collaboration project will enhance the connection between research scientists and K-12 classrooms.*

**Oceans-to-Classrooms Pathways to STEM Careers**

Mark Brzezinski, Marine Science Institute

Scott Simon, Marine Science Institute

Award: \$8,672

*This projects aims to train UCSB undergraduates to work with UCSB and MSI science and education faculty and staff, and select teachers from UCSB partnership schools in Santa Barbara and Ventura Counties. The goal is to assess, teach and train other UCSB undergrads, and K-12 students, using specially designed curricula to improve environmental science literacy as well as improve the understanding of the breadth of STEM careers.*

**Total Awarded: \$60,000**