

Academic Senate Committee on Research Faculty Grant Recipients 2021

PI	Co-PI(s)	Project Title	School	Amount Funded
David Ardell	-	Summer Research Funding for Theoretical Investigations into the Origin of Cells	SNS	\$9,746.00
Daniel Beller	-	Predicting Liquid Crystal-Mediated Hierarchical Self-Assembly of Nanoparticles	SNS	\$10,000.00
Gordon Bennett	-	Developing gene manipulation technologies to test fundamental hypotheses in animal-bacterial interactions	SNS	\$10,000.00
Hui Cai	-	Exploring Novel Quantum States in Two-Dimensional Materials under Extreme Pressure	SNS	\$9,999.49
Michael Cleary	-	VU-tagging: a chemical/genetic method for identification of cell type-specific mRNAs	SNS	\$9,940.00
Danielle L. Edwards	-	Testing how barriers to reproduction form during the process of speciation	SNS	\$10,000.00

Petra Kranzfelder	Erik Menke, Laura Beaster-Jones	Transforming Teaching and Learning in the Sciences at a Hispanic-Serving Institution through a Graduate Teaching Assistant Program	SNS	\$9,924.00
Ramendra Saha	-	A study of BAF complex functions in neurons using novel inhibitors	SNS	\$10,000.00
Michael Scheibner	-	Evading Noise in Sensing with Semiconductor Quantum Materials	SNS	\$10,000.00
Sachin Goyal	-	Pre-symptomatic Diagnosis of Parkinson's Disease Using Machine Learning	SOE	\$10,000.00
Hua Huang	Miguel Á. Carreira-Perpiñán	Tongue shape estimation via magnetic sensing: recording device and AI-based algorithms	SOE	\$20,000.00
Hyeran Jeon	Dong Li	Enabling Large Model Training on Heterogeneous Memory through Runtime Data Management and Architecture Support	SOE	\$19,000.00

Victor Muñoz	-	Synthetic Host Decoys Based on Fluorescence Protein Biosensing and Multivalent Adhesion for Instant Molecular Diagnostics: COVID-19 Detection as Proof of Concept	SOE	\$10,000.00
Shijia Pan	-	TeethVib: Detecting Teeth Ill-Fitting Through Mouth-Guard Vibration Sensing	SOE	\$10,000.00
Xiaoyi Lu	Wan Du	A Networking and Data Processing Infrastructure for Collaborative Research on Agriculture between UC Merced and Merced College	SOE	\$20,000.00
Paul Almeida	-	Preservation and Analysis of Central American Protest Music	SSHA	\$7,530.42
Aditya Dasgupta	-	Pre-colonial States and Contemporary Agricultural Development	SSHA	\$10,000.00
Mariaelena Gonzalez	-	Effects of covid-19 on substance use among a Latino young adult enrolled in college	SSHA	\$10,000.00
Tom Hansford	-	Public Attitudes Regarding the U.S. Constitution	SSHA	\$8,980.00

Brad LeVeck	-	Leadership and Collective Intelligence in Bargaining Games	SSHA	\$10,000.00
Manuel M. Martín-Rodríguez	-	Literature and Historiography in the Borderlands of Colonial America	SSHA	4,880.00
Muey C. Saeteurn	-	Custodians of Tea: A History of Tea Producers in Late-Colonial and Independent Kenya	SSHA	\$5,000.00
Beth K. Scaffidi	-	Isotopic Markers for Malnutrition, Disease, and Biological Sex in Human Skeletons	SSHA	\$10,000.00
Andrew Shaver	-	Media Reporting on International Affairs	SSHA	\$10,000.00
Ketki Sheth	-	Do Financial Incentives Change Beliefs? A Field Experiment in Uganda	SSHA	\$9,907.50
Meredith Van Natta	-	COVID-19 & Immigrant Serving Community Clinics in California's Central Valley	SSHA	\$10,000.00

Total: \$274,907.41