

Academic Senate Committee on Research Faculty Grant Awardees 2019

PI	Co-PI(s)	Project Title	School(s)	Amount Funded
Anna Beaudin	Jennifer Hahn-Holbrook, Kirk Jensen	Influence of maternal infection during pregnancy on infant immune development	SNS, SSHA	\$10,000
Chih-Chun Chien	-	Characterization of topological effects on thermal transport in 2D systems	SNS	\$5,000
Changho Kim	Mayya Tokman	Multiscale Modeling of Cell Membrane Electroporation	SNS	\$10,000
Mike Colvin	Patti LiWang	Interdisciplinary Investigation of the vCCI: Chemokine Binding Interaction	SNS	\$9,500
Juris Grasis	Chris Amemiya	Generation of Monoclonal Antibodies 'Lampribodies' for Basal Metazoan Holobionts	SNS	\$10,000
Roummel Marcia	-	Photon-Limited Imaging via Deep Learning	SNS	\$3,214.65
Son C. Nguyen	Mehmet Z. Baykara	Atomic-Resolution Mapping of Ion Adsorption at Water-Metal Interfaces by Atomic Force Microscopy	SNS, SOE	\$10,000
Maxime Theillard	-	Shining the light at active interfaces: Multi-scale modeling of multi-species active fluids	SNS	\$5,000
Fred Wolf	-	Valence encoding in Drosophila motivational circuit elements	SNS	\$3,214.65
Venkattraman Ayyaswamy	-	Irrigation water enrichment using ambient air plasmas	SOE	\$4,999.20
Miguel Á. Carreira-Perpiñán	-	Learning decision trees and deep nets with the TAO algorithm	SOE	\$5,000

Po-Ya Abel Chuang	-	High Performance Catalyst Design and Preparation for Urea Water Electrolysis	SOE	\$5,000
Tom Harmon	-	Socio-Environmental Strategies for Adaptive Freshwater Ecosystem Management	SOE	\$4,500
Anand Bala Subramaniam	-	Actualizing large-scale synthesis of mesoscale amphiphilic compartments for drug delivery, vaccines, and artificial cells	SOE	\$5,000
Kristina Backer	Heather Bortfeld	Dissociating Lexical and Statistical Influences on Bilingual Speech Perception	SSHA	\$10,000
Christina Torres- Rouff	-	Coastal Influence on Formative Period (300BC-AD500) Oasis Populations in Northern Chile's Atacama Desert	SSHA	\$5,000
Charlie Eaton	-	Asymmetry by Design? Identity Obfuscation and Consumer Predation in For-Profit Higher Education	SSHA	\$4,700
Christian Fons- Rosen	-	How Access to Distant Knowledge Has Shaped Innovation Over the Last Decades	SSHA	\$5,000
Haifeng Huang	-	Experiencing Advanced Democracy: How International Education Affects Political Attitudes of Students from a Developing and Authoritarian Society	SSHA	\$5,000
Jayson Beaster- Jones	Anne Zanzucchi	Gateway to Merced	SSHA	\$10,000
Dalia Magaña	-	How Spanish-speakers talk about mental health: Metaphor analysis in depression and anxiety discourse	SSHA	\$4,998.63

Denise D. Payán	-	A Systematic Review of Obesity Policies in California (1999-2018)	SSHA	\$4,872.88
Ren Liu	-	A Novel Psychometric Model for Personality Classification and Diagnoses of Behavioral and Mental Disorder	SSHA	\$5,000
Karl E. Ryavec	-	India Historical GIS: 1891 Census Pilot Study	SSHA	\$5,000
Melissa Sands	Alexander Theodoridis	Partyism in the Wild	SSHA	\$10,000
Michael Spivey	Jeffrey Yoshimi	VR Eye-tracking for Perception & Consciousness Research	SSHA	\$10,000
Fanis Tsoulouhas	-	Business Commonality, Standardization, Fragmentation and Product Cycles	SSHA	\$5,000

Total: \$175,000