

Senate Faculty Research Grant Awardees AY 17-18

Principal Investigator	Co-PI	Project Title	School(s)	Amount Funded
Boaz Ilan	-	Computational modeling for nonimaging solar concentrators	SNS	\$4,950.00
Stephanie Woo	-	Investigating the role of sept9a in inflammatory bowel disease	SNS	\$5,000.00
Liang Shi	Yanbao Ma	Accelerating Molecular Dynamics Simulation with Modified Short-Range Interactions	SNS, SOE	\$10,000.00
Chris Amemiya	Linda Hirst, Joel Spencer	Vertebrate chitin and its underlying biology and biophysics	SNS, SOE	\$15,000.00
Patti LiWang	-	Reactivation of latent HIV reservoirs using Tat targeting	SNS	\$5,000.00
Christine Isborn	Harish Bhat	Applying Deep Learning Methods to Develop New Models of Molecular Charge Transfer	SNS	\$10,000.00
Rudy Ortiz	Anna Beaudin, Nestor Oviedo	Functional Effects of Cannabidiol in Diabetes	SNS	\$11,146.07
Jeffrey Jenkins	Catherine Keske	Sense of Place in California National Parks – What is shaping it and how is it changing?	SOE	\$9,930.00
Ahmed Sabbir Arif	-	Miniature Predictive Keyboards to Enable Eyes-free Text Entry on/with Smartwatches	SOE	\$5,000.00
Valerie Leppert	-	Investigation of a Facile, Scalable Synthesis Route for Bismuth Oxyhalide 2D Structures for Photocatalytic Water Treatment	SOE	\$5,000.00
Chih-Wen Ni	-	The Role of STAB2 in Vascular Development in Response to Blood Flow	SOE	\$5,000.00
Jennifer Lu	-	Investigating polymer membrane for high selectivity and throughput	SOE	\$5,000.00

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Wan Du	Dong Li	Online Training and Inference of Machine Learning Models on IoT Devices for Emerging IoT Applications	SOE	\$8,600.00
Arvind Gopinath	Clarissa Nobile	Biophysical Properties of Candida albicans Biofilms on Mucus	SOE, SNS	\$10,000.00
Shawn Newsam	-	Acquisition of low-cost particulate sensors to support various research efforts on monitoring air pollution and studying its public health effects	SOE	\$2,518.93
Sandie Ha	-	Prenatal and Early Life Exposures to Ambient Air Pollution and Childhood Development	SSHA	\$4,550.00
ShiPu Wang	-	The Brush of Swords: U.S. Cold War Cultural Diplomacy and Taiwan's Postcolonial Visuality	SSHA	\$4,998.00
Justin Cook	-	Mapping and Digitizing Historic Civilization Borders	SSHA	\$4,960.00
Andrew Johnston	-	Children of War: The Long-run Impact of War-time Deployments on Children	SSHA	\$5,000.00
Aditya Dasgupta	-	Book Conference for Manuscript "Why Parties Collapse"	SSHA	\$3,432.00
Maria DePrano	-	Craftsmen's Possessions in Renaissance Florence	SSHA	\$5,000.00
Heather Bortfeld	Ramesh Balasubramaniam	Embodied Bilingualism	SSHA	\$10,000.00
Stephen Wooding	-	Amazonian agriculture: The origins of cassava, a cultural and nutritional icon	SSHA	\$4,890.00
Sarah Depaoli	-	How Alike are my Groups? Using Class Separation as a Post-hoc Measure of Model Assessment	SSHA	\$5,000.00
Nella Van Dyke	Irene Beattie	Intersectional Queer Identities and College Student Experiences	SSHA	\$10,000.00
Whitney Pirtle	-	Living Black in a Field of Brown: A exploration of the role of a living and learning center in shaping black identities at a Hispanic Serving Institution	SSHA	\$5,025.00