



Office of Research

FY 2019 OVPR Pilot/Seed Grants

Principal Investigator(s)	Department(s)	Project Title	Funded Amount
Albrecht, Eric	Molecular & Cellular Biology	MT1X Mediated Zinc Trafficking in Endothelial Cells	\$7,500
Das, Sandip	Electrical Engineering	Microfluidic Energy Harvesting Device for Self-Powered Bioimplantable Electronics	\$10,795
Han, Meng	Information Technology	Cyber Data Privacy in Internet of Things	\$6,965
Hudson, Martin	Molecular & Cellular Biology	Transcription Factor Control of Nervous System Development	\$7,173
Kang, Mingon	Computer Science	Identification of Unknown Tumor Subtypes of Glioblastoma Multiforme Patients with Multi-Omics Data	\$11,634
Park, Jungkyu	Mechanical Engineering	Development of Strong 3D Carbon Nanomaterials with High Thermal Performance under Deformation	\$14,964
Seo, Youngguk	Civil Engineering	Do Our Winter Snow and Ice Control Shorten the Life of Road Pavements?	\$14,979
Shariar, Hossein & Qian, Kai	Information Technology	Mobile Software Security Assurance with Dynamic and Static Analysis Techniques	\$12,544
Tekes, Ayse	Mechanical Engineering	Development of Low Cost Portable Lab Equipment Design for Undergraduate Dynamics, Vibrations and Control Courses	\$12,168
Wang, Larry	Mathematics	Further Study on Quantization and Frame Construction with a New Tool	\$6,000
Worthy, Roneisha	Civil Engineering	Research in Early Formation of Women Engineers: KSU Case Study	\$13,444
Xu, Xiaohua	Computer Science	Jamming Resistant 5 th Generation Communications Under the Physical Interference Model	\$11,634
			\$129,800