

Research Council AY 2022-2023 Funded Projects			
Title	Sector	Applicant	Awarded Amount
Online Learning Modules to Support Speech-Language Pathologists in Academic	Arts, Humanities, Social & Behavioral Sciences	Kelley, Elizabeth	13,814
Critical Wisdom: Reading the "Canterbury Tales" through Proverbs	Arts, Humanities, Social & Behavioral Sciences	Kramer, Johanna	8,602
Assessing geographical distribution of early childhood special education services for children with autism spectrum disorder and other developmental delays	Arts, Humanities, Social & Behavioral Sciences	James, Alexandra	9,150
Christian Pulp: Material Religion in the Age of Paper	Arts, Humanities, Social & Behavioral Sciences	Gregory, Rabia	14,426
A History of Nuclear Fracking	Arts, Humanities, Social & Behavioral Sciences	McFarland, Victor	8,960
Incomplete and Unstable Preferences	Arts, Humanities, Social & Behavioral Sciences	Weirich, Paul	11,700
Composition, Education, and Performance: Expanding Representation and Diversity within French Horn Music	Arts, Humanities, Social & Behavioral Sciences	Collins, Amanda	8,100
Sunlight on the Banana Plantations	Arts, Humanities, Social & Behavioral Sciences	Goelkel-Garcia, Viviana	1,000
RC Summer Fellowship "Adapting Kafka"	Arts, Humanities, Social & Behavioral Sciences	Strathausen, Carsten	14,504
Discovering ancient Amazonian archaeological sites	Arts, Humanities, Social & Behavioral Sciences	Walker, Robert	15,000
Research on Fourier Multiplier Theory	Arts, Humanities, Social & Behavioral Sciences	Grafakos, Loukas	15,000
Subvention for Translation of Celia en la revolución	Arts, Humanities, Social & Behavioral Sciences	Ugarte, Michael	4,400
Exploring Weight Stigma, Perceived Body Image, and Healthcare Utilization: Perspectives of Black women	Arts, Humanities, Social & Behavioral Sciences	Ramseyer-Winter, Ginny	9,341
Examining communities' perceptions and tourism-related social capital associated with the Rock Island Trail development	Arts, Humanities, Social & Behavioral Sciences	Xu, Shuangyu	14,979
Drinking Water Behaviors, Concern for Drinking Water Infrastructure, and Support for Spending Among Local Elected Officials	Arts, Humanities, Social & Behavioral Sciences	Switzer, David	15,000
Barriers and Facilitators to Family-Engaged, Trauma-Informed School Practices	Arts, Humanities, Social & Behavioral Sciences	Santiago, Rachel	14,914
Understanding Typology, Facilitators, and Barriers to Advanced Practice Registered Nurse Use in Missouri Long Term Care Facilities	Arts, Humanities, Social & Behavioral Sciences	Johnson, Alisha	6,020
Forgotten Leader: Examining the challenges and barriers of Assistant Principals of Color to Principalship	Arts, Humanities, Social & Behavioral Sciences	Lee, Se Woong	13,354
every.single.one: art, cancer & transformation	Arts, Humanities, Social & Behavioral Sciences	Sampson, Cheryl	14,681
Multimedia Recording Project: Commissioned Works for Solo Percussionist	Arts, Humanities, Social & Behavioral Sciences	Arns, Megan	14,400
The Copy Box	Arts, Humanities, Social & Behavioral Sciences	MacNeel, Brian	975
3D Biomechanics of the TMJ and Ear in Mammals	STEM	Holliday, Casey	14,500
A multiproxy approach to examine the Ediacaran-Cambrian boundary in the Death Valley region	STEM	Selly, Tara	14,829
Customizable Multifunctional Neural Probe Accelerating Individualized Neuroscience Studies and Precision Medical Treatments	STEM	Wang, Yi	12,110
Understanding Inter-kingdom Communication among beneficial soil fungi, host plant, and parasitism	STEM	Park, Soyoon	15,000
Impact of Hand, Wrist, and Forearm Range of Motion on PRO after Non-Hand Injury	STEM	London, Daniel	15,000

Do Extracellular Vesicles Act as Carrier Pigeons Between the Placenta and Brain	STEM	Rosenfeld, Cheryl	15,000
Identification and characterization of polar growth machinery in the bacterial plant pathogen <i>Agrobacterium tumefaciens</i>	STEM	Brown, Pamela	14,976
12/15-LO in resolution of Lyme Arthritis	STEM	Brown, Charles	15,000
Mitigating Dielectric Breakdown in Wurtzite Alloy-Based Ferroelectric Random-Access Memories	STEM	Meng, Andrew	15,000
Development of Innovative Physics-Informed Data-Driven Model for COBRA-TF Critical Heat Flux Prediction in Support of Future Nuclear Energy Sustainability	STEM	Jin, Yue	15,000
Exploration of Two- Dimensional Halide Double Perovskites as Novel Photocatalyst for CO2 Reduction	STEM	Zhu, Peifen	15,000
Establishing an Ice Lithography Research Hub at MU	STEM	King, Gavin	15,000
Whence cyanotoxins?	STEM	North, Rebecca	14,975
Characterization of the involvement of follicle stimulating hormone and granulosa cells on the acquisition of DNA methylation of mouse oocytes	STEM	Rivera, Rocio	15,000
Pushing the frontier with the James Webb Space Telescope	STEM	Yan, Haojing	14,196
Untargeted Metabolomic Analysis of Blood Plasma for the Identification of Potential Therapeutic Biomarkers of CLN2 Disease	STEM	Morgan-Jack, Brandie	15,000
Exploring Emergent Interfacial Magnetism in Artificial Heterostructures	STEM	Bian, Guang	14,981
Development and testing of Fu-VIT cancer survivorship roadmap for primary care clinicians	STEM	Becevic, Mirna	9,456
Probiotic Bacterium-Mediated IL-10 Delivery into Colorectal Cancer	STEM	Gomez-Gutierrez, Jorge	15,000
Novel approaches to treating chronic pseudomonas lung colonization	STEM	Holliday, Zach	13,800
Mosquito insecticide resistance in mid-Missouri	STEM	Beersten, Brenda	15,000
ssRNA interactions with TLR3	STEM	Lange, Margaret	14,700
Revealing the Origin of the Diverse Morphology of Distant Galaxies with the James Webb Space Telescope	STEM	Guo, Yicheng	14,596
Emergent multiferroicity in novel polar magnets	STEM	Heitmann, Tom	14,941
Targeting Early Markers in Cerebral Small Vessel Disease: Endothelial Dysfunction →Cerebrovascular Remodeling →BBB Dysfunction	STEM	Ma, Lixin	15,000