

U-M RESEARCH AWARD AND EXPENDITURES REPORT
OCTOBER 2022

This report summarizes the overall trends in grant and contract activity across all three campuses of the University of Michigan through the second month of Fiscal Year 2023, which ended August 31.

Total research expenditures through the second month of FY23 totaled \$326 million, which is up 10.3 percent when compared to the second month of FY22.

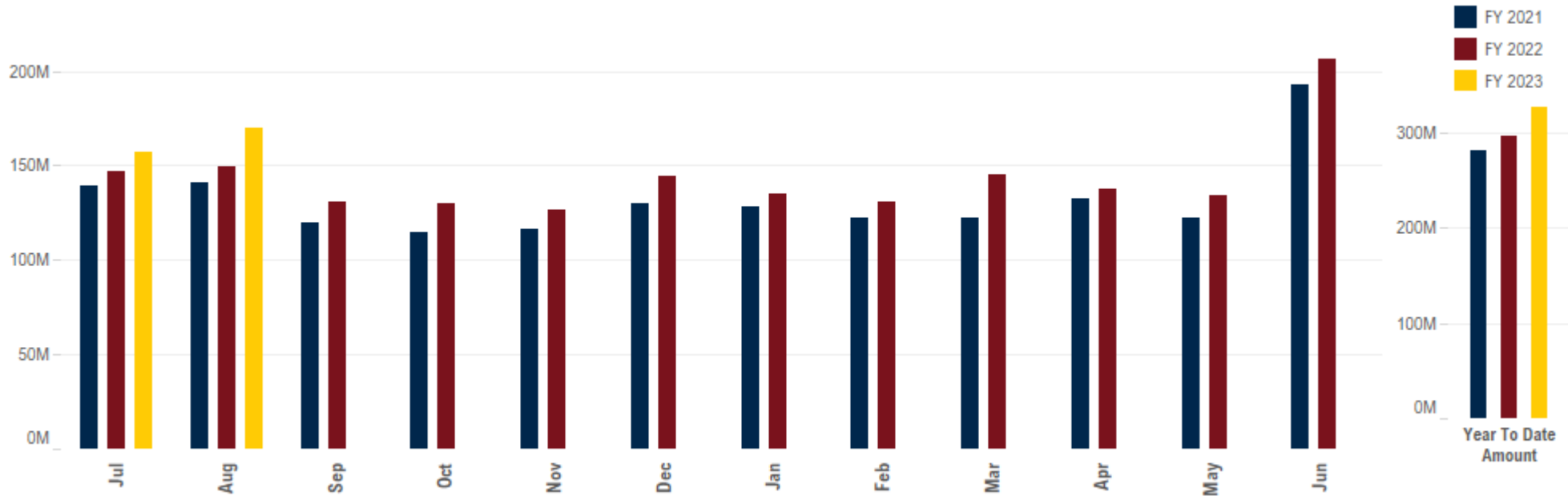
The number of research submissions through the second month of FY23 was down 9.8 percent, and the value of those submissions decreased 11.2 percent when compared to the second month of FY22.

The number of new research awards from external sponsors through the second month of FY23 increased 3.3 percent, but their value decreased 7.1 percent when compared to August 2021.

Rebecca Cunningham, Vice President for Research

Jason Owen-Smith, Executive Director, Research Analysis and Data Integration Office

Expenditures



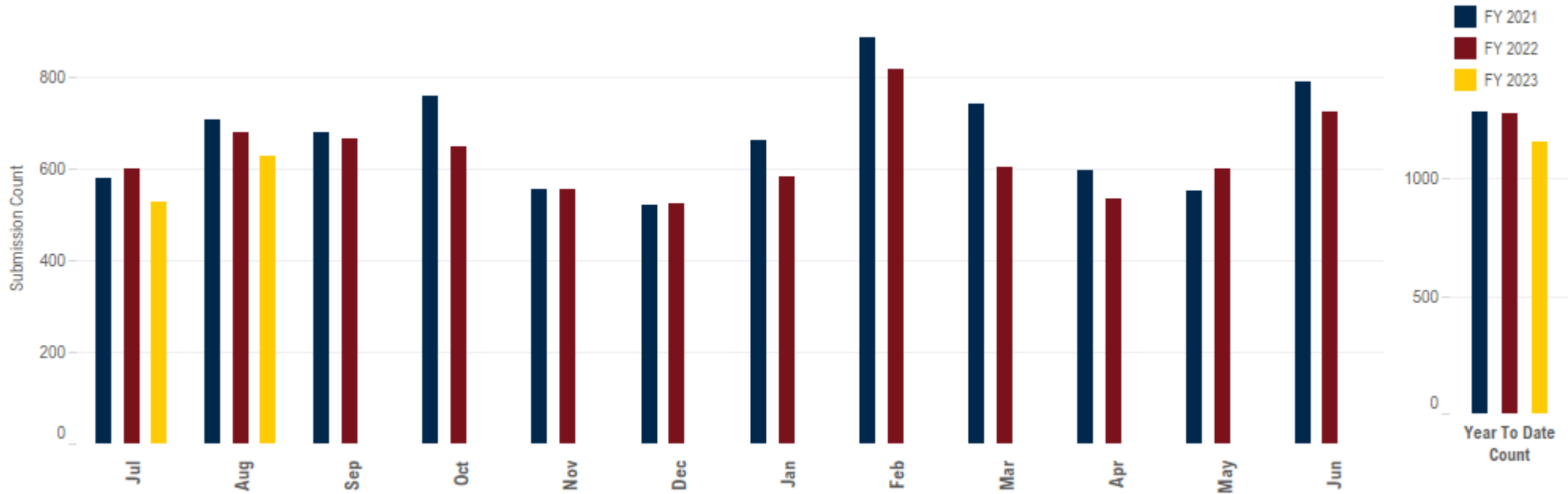
Year to Date

FY21: \$280,552,568

FY22: \$296,307,107

FY23: \$326,752,551

Submissions by Count



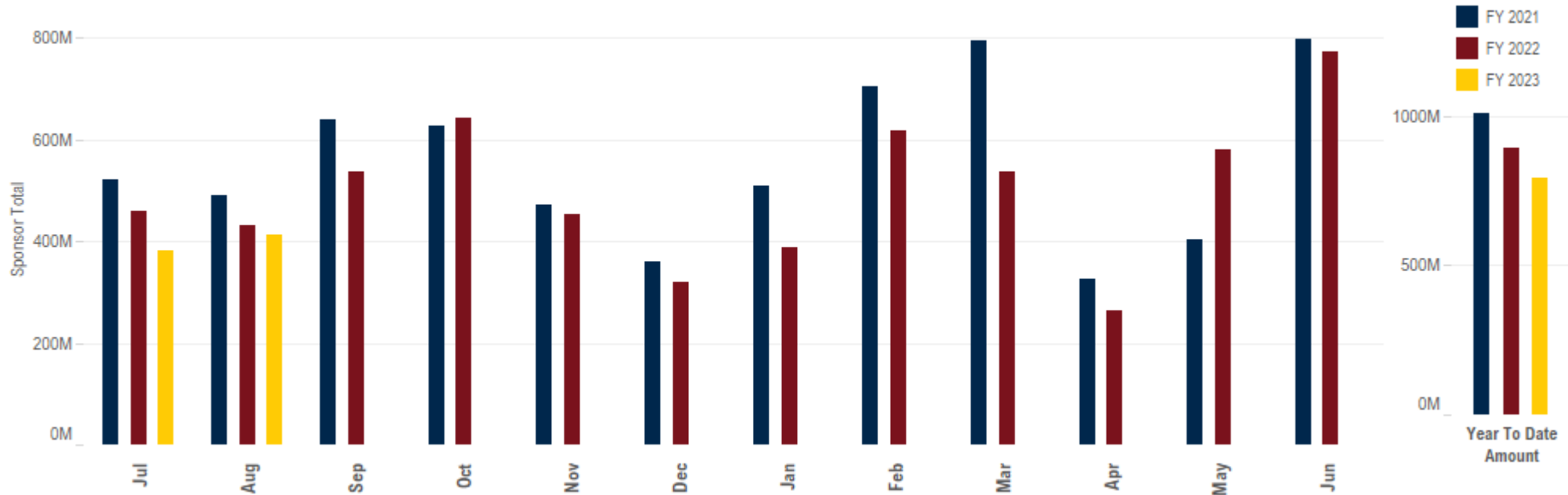
Year to Date

FY21: 1,285

FY22: 1,279

FY23: 1,154

Submissions by Amount



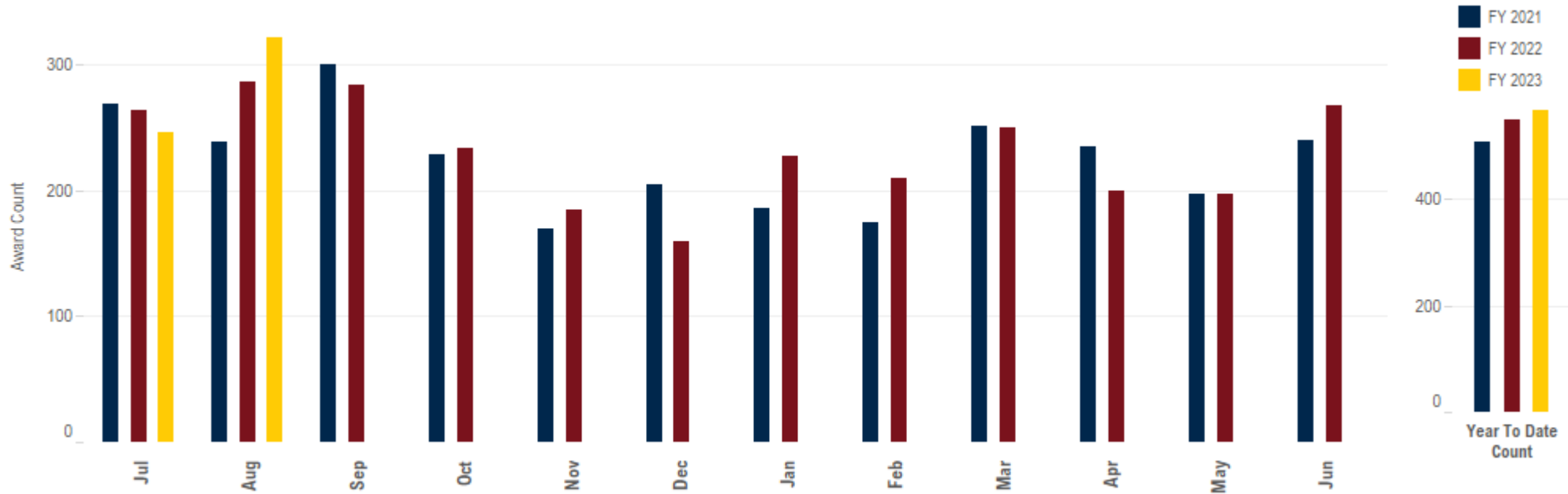
Year to Date

FY21: \$1,010,189,880

FY22: \$893,351,381

FY23: \$793,525,064

Awards by Count



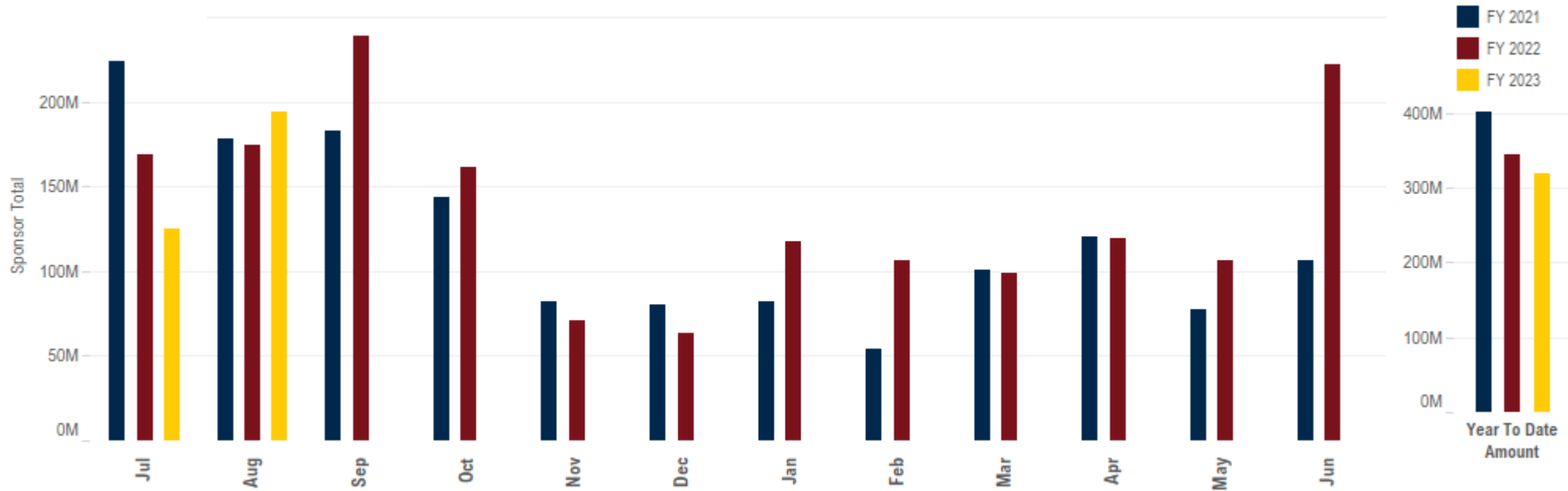
Year to Date

FY21: 508

FY22: 550

FY23: 568

Awards by Amount



Year to Date

FY21: \$402,250,017

FY22: \$343,838,765

FY23: \$319,526,820

Top Monthly Awards

National Science Foundation

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Kollman, Kenneth	CPS-Research	The Seventh Module of the Comparative Study of Electoral Systems (CSES)	National Science Foundation	\$1,229,967	4.0
Gallimore, Alec	Aerospace Engineering	Center: Track 4: Creating a Teaching Engineering Equity Center	National Science Foundation	\$1,199,904	2.0
Calabrese Barton, Angela	SOE-Educational Studies	Supporting Consequential Learning in Middle School STEM through Rightful Familial Presence	National Science Foundation	\$1,119,976	3.0

National Institutes of Health

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Fan, Xudong	Biomedical Engineering	High performance wearable body odor sensor arrays for disease detection and monitoring	Health and Human Services, Department of-National Institutes of Health	\$5,505,413	4.8
He, Yongqun - Oliver	MM Lab Animal Medicine Unit	VIOLIN 2.0: Vaccine Information and Ontology LInked kNowledgebase	Health and Human Services, Department of-National Institutes of Health	\$3,692,855	4.8
Freddolino, Peter	MM Biological Chemistry Dept	Structure-based functional annotation of microbial genomes	Health and Human Services, Department of-National Institutes of Health	\$3,632,779	5.0

Top Monthly Awards

Department of Defense

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Knight, Jason	MM Int Med-Rheumatology	*Endothelial Cells and the Origins of Antiphospholipid Vasculopathy	Defense, Department of-Army, Department of the	\$749,948	3.0
Arbic, Brian	LSA Earth & Environmental Sci.	Diagnosis and Validation of the Time and Spatial Variability of Remotely Generated Internal Waves in Global Ocean Simulations	Defense, Department of-Navy, Department of the-Subcontracts	\$659,444	3.0
Raman, Venkat	Aerospace Engineering	Multiphase Detonation of Liquid Aero propulsion Fuels	Defense, Department of-Navy, Department of the-Subcontracts	\$632,608	3.0

Department of Energy

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Jorns, Benjamin	Aerospace Engineering	Understanding the Spatiotemporal Spectra of Transport-Inducing Instabilities in Low Temperature Plasmas	Energy, Department of	\$749,998	5.0
Raithel, Georg	LSA Physics	Collaborative Research: Particle and electric-field imaging in cold and dusty plasmas	Energy, Department of	\$558,166	1.0



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Top Monthly Awards

Industry

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Dahlerus, Claudia	MM Int Med-Nephrology	Evaluation of the End-Stage Renal Disease Treatment Choices Model and the Kidney Care Choices Model	Lewin Group	\$2,410,032	4.0
Moon, Stephanie	MM Human Genetics Department	VCP-driven RNA:protein Remodeling in Neurodegeneration	Chan Zuckerberg Initiative (CZI), LLC	\$1,600,000	4.0
Seeley, Randy	MM Surgery Department	Rodent model of DMR	Fractyl Laboratories, Inc.	\$1,094,769	2.5

Nonprofits

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Hall, Raymond	Flint Safety	UM-Flint DPS Support	Charles Stewart Mott Foundation	\$1,500,000	3.0
Spence, Jason	MM Int Med-Gastroenterology	Spatiotemporal multi-organ developmental maps from the same individual	Silicon Valley Community Foundation	\$601,701	1.0
Leplatte, Dayna	MM Psychiatry Child Services	Implementing Collaborative Care in School Based Clinics	Michigan Health Endowment Fund	\$500,000	2.0