



U-M RESEARCH AWARD AND EXPENDITURES REPORT  
SEPTEMBER 2023

**Received by the Regents  
September 21, 2023**

This report summarizes the overall trends in grant and contract activity across all three campuses of the University of Michigan through the first month of Fiscal Year 2024, which ended July 31.

Total research expenditures through the first month of FY24 totaled \$173 million, which is up 10.8 percent when compared to July 2022.

The number of research submissions through the first month of FY24 was up 6.1 percent, and the value of those submissions increased 31.2 percent when compared to July 2022.

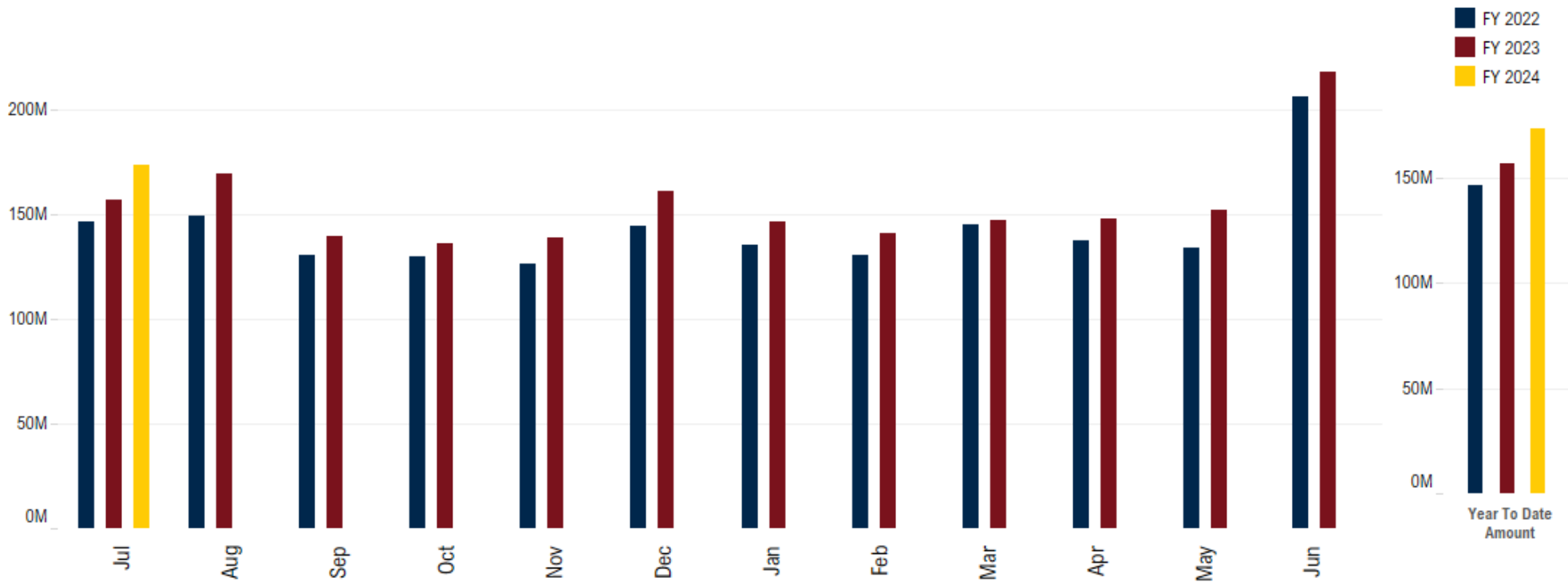
The number of new research awards from external sponsors during the first month of FY24 decreased 20.3 percent, and their value decreased 29.2 percent when compared to July 2022.

Rebecca Cunningham, Vice President for Research

Shandra White, Assistant Vice President for Research – Sponsored Projects

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

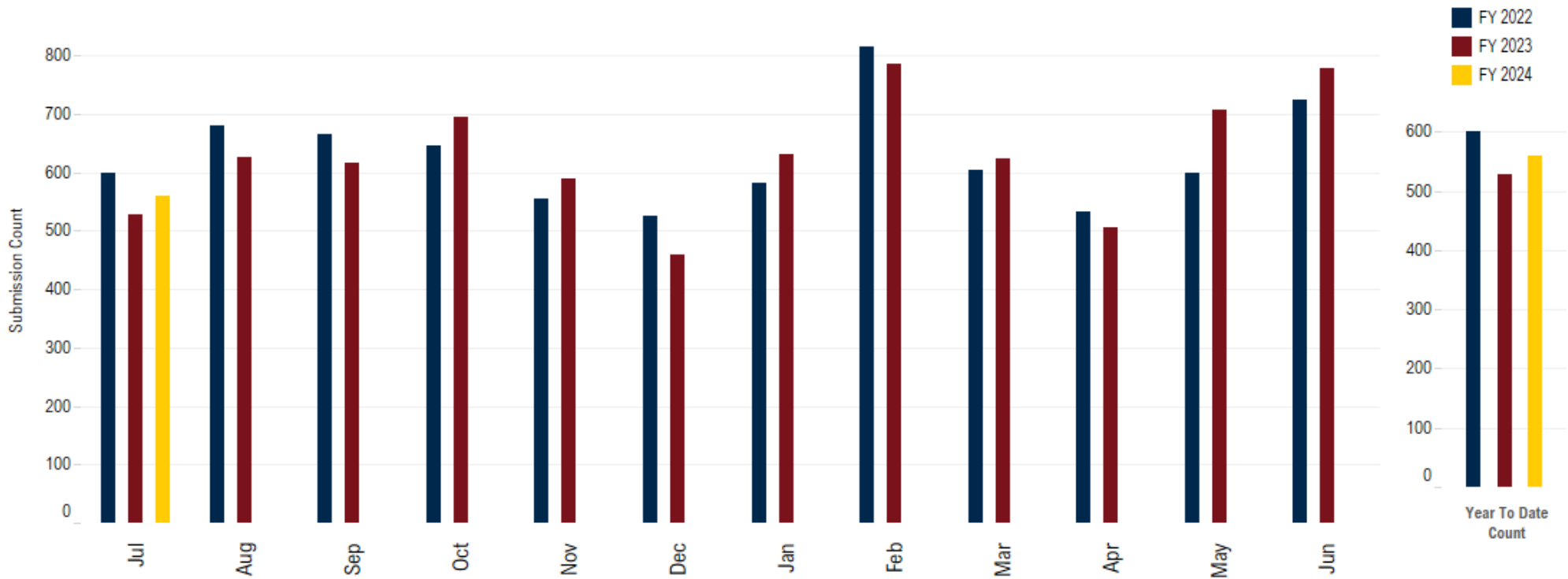
## Expenditures



### Year to Date

FY22: \$146,673,129  
 FY23: \$156,976,696  
 FY24: \$173,863,421

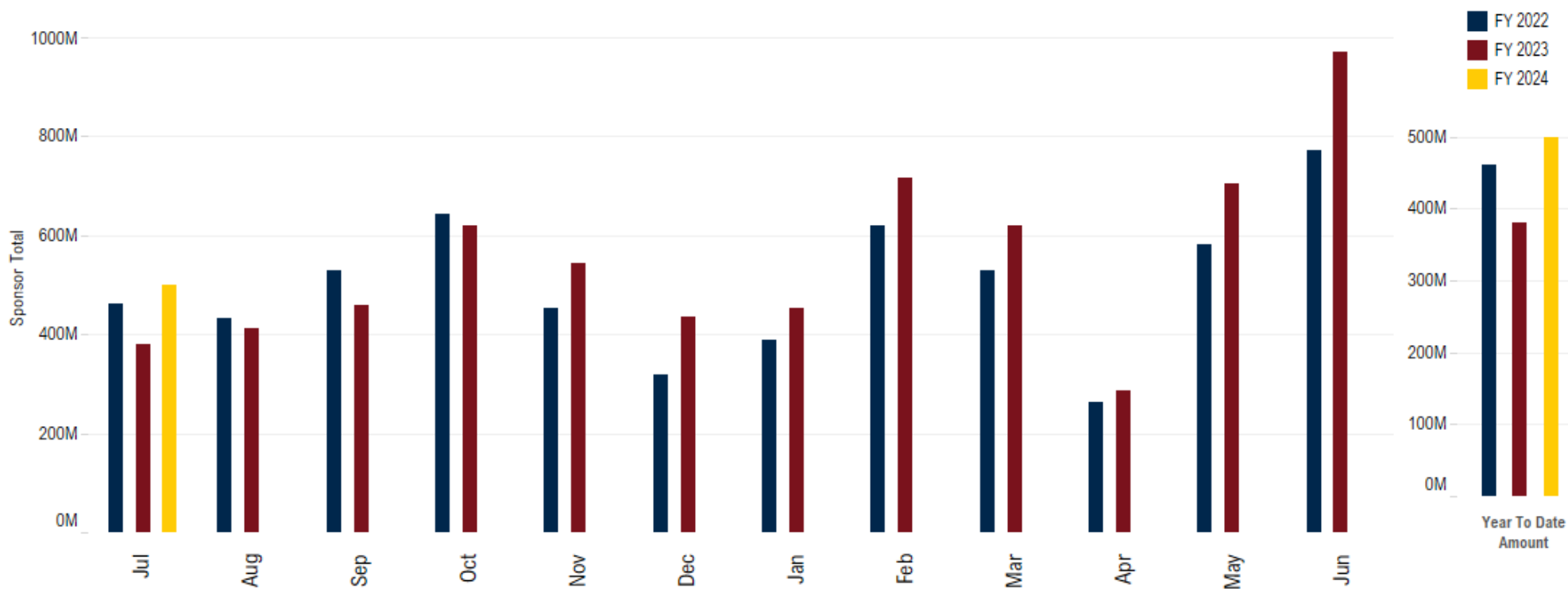
## Submissions by Count



### Year to Date

FY22: 599  
FY23: 528  
FY24: 560

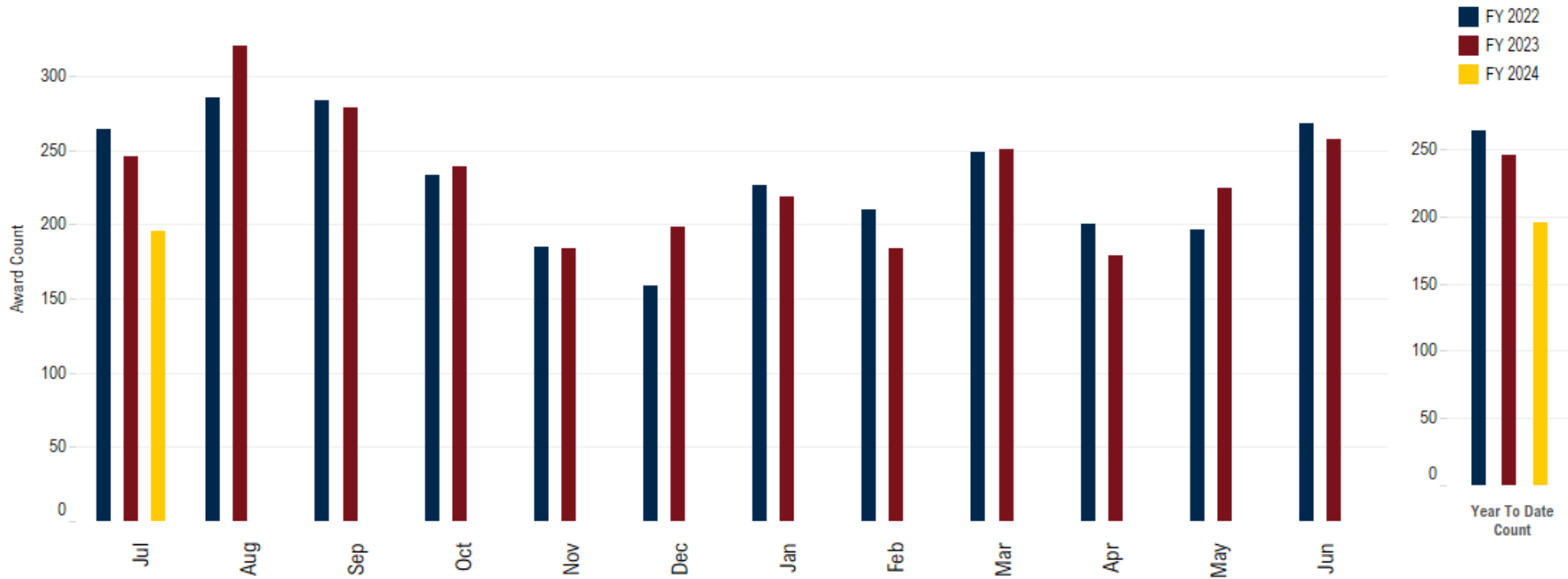
## Submissions by Amount



### Year to Date

FY22: \$461,087,080  
 FY23: \$379,763,032  
 FY24: \$498,272,692

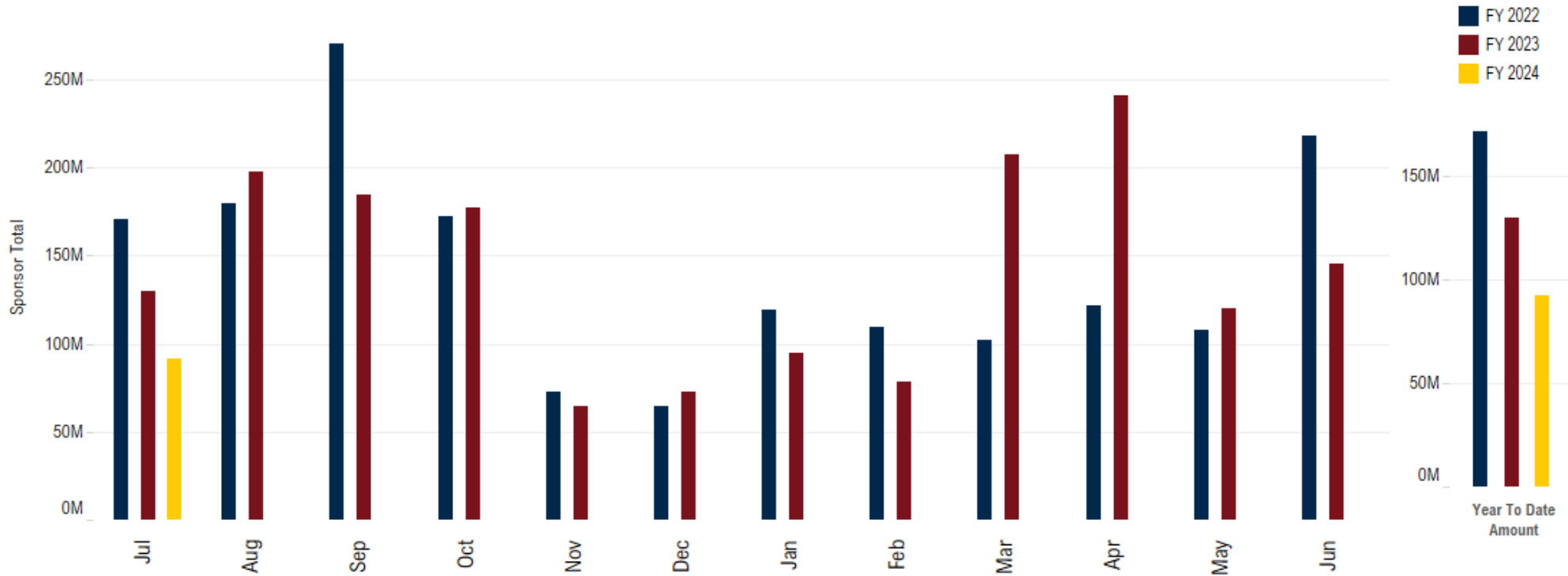
## Awards by Count



### Year to Date

FY22: 264  
FY23: 246  
FY24: 196

## Awards by Amount



### Year to Date

FY22: \$170,952,791

FY23: \$129,776,600

FY24: \$91,937,135

## Top Monthly Awards

### National Science Foundation

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Hughes, Sara	Sch for Environ and Sustain	DISES: Governing Green Stormwater Infrastructure for Just and Adaptive Urban Flood Management	National Science Foundation	\$1,549,418	5.0
Settles, Isis	LSA Psychology	Collaborative Research: Increasing Inclusion and Equity of Minoritized STEM Faculty: Examining the Role of Epistemic Exclusion in Scholar(ly) Evaluation Practices	National Science Foundation	\$1,167,737	5.0
Wang, Lu	EECS - CSE - AI	Argument Graph Supported Multi-Level Approach for Argumentative Writing Assistance	National Science Foundation	\$849,799	3.0

### National Institutes of Health

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Dickson, Robert	MM Int Med-Pulm./Critical Care	Multidisciplinary Training Program in Lung Disease	Health and Human Services, Department of-National Institutes of Health	\$4,215,785	5.0
Burris, Nicholas	MM Department of Radiology	Non-invasive hemodynamic and biomechanic imaging methods for early risk prediction in aortic dissection	Health and Human Services, Department of-National Institutes of Health	\$3,268,108	4.8
Bagge, Courtney	MM Psych HlthSvc Outcome Rsrch	Mixed methods examination of warning signs within 24 hours of suicide attempt in hospitalized adults	Health and Human Services, Department of-National Institutes of Health	\$3,115,457	3.9

### Top Monthly Awards

#### Department of Defense

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Gamba, Mirko	Aerospace Engineering	Data Driven Analysis Tool for Predicting High-Speed Airbreathing Engine Performance	Defense, Department of-Office of the Secretary-Subcontracts	\$168,000	2.7
Mahesh, Krishnan	Naval Arch & Marine Dept	LES simulation of cavitation inception caused by vortex-vortex interactions	Defense, Department of-Navy, Department of the	\$50,000	1.0

#### Department of Energy

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Zuo, Lei	Naval Arch & Marine Dept	HCC 2023 Competition; Zuo	Energy, Department of	\$5,000	1.0





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# Top Monthly Awards

## Industry

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Pianko, Matthew	MM Int Med-Hematology/Oncology	A Dose Escalation and Expansion Study of ABBV-383 in Combination with Anti-CancerRegimens for the Treatment of Patients with Relapsed/Refractory Multiple Myeloma	AbbVie Inc.	\$3,373,974	7.0
Vaishampayan, Ulka	MM Int Med-Hematology/Oncology	A Phase 1 Study with ABBV-CLS-484 Alone and in Combination in Subjects with Locally Advanced or Metastatic Tumors	Calico Life Science LLC	\$927,975	4.0
Goldstein, Cathy	MM Neurology Department	Polysomnography Validation of the Sansa Device	Huxley Medical, Inc.	\$788,463	0.7

## Nonprofits

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Akil, Huda	MM Michigan Neuroscience Inst	Can Resilience to Stress and Depression Be Enhanced? Genetic, Circuit and Behavioral Studies	Hope For Depression Research Foundation	\$2,189,731	3.0
Hammoud, Saher	MM Human Genetics Department	Towards the Future of Fertility: Defining Building Blocks and Establishing New Methods for in Vitro Gametogenesis	Silicon Valley Community Foundation	\$2,000,000	4.1
Goldsmith, Bryan	Chemical Engineering Dept	Repurposing Waste: Fertilizer Production from Carbon Dioxide and Nitrate	W. M. Keck Foundation	\$1,300,000	3.0