



U-M RESEARCH AWARD AND EXPENDITURES REPORT  
OCTOBER 2023

**Received by the Regents  
October 19, 2023**

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 2024, which ended August 31.

Total research expenditures through the second month of FY24 totaled \$362 million, which is up 10.9 percent when compared to August 2022.

The number of research submissions through the second month of FY24 was down 2.2 percent, but the value of those submissions increased 15 percent when compared to August 2022.

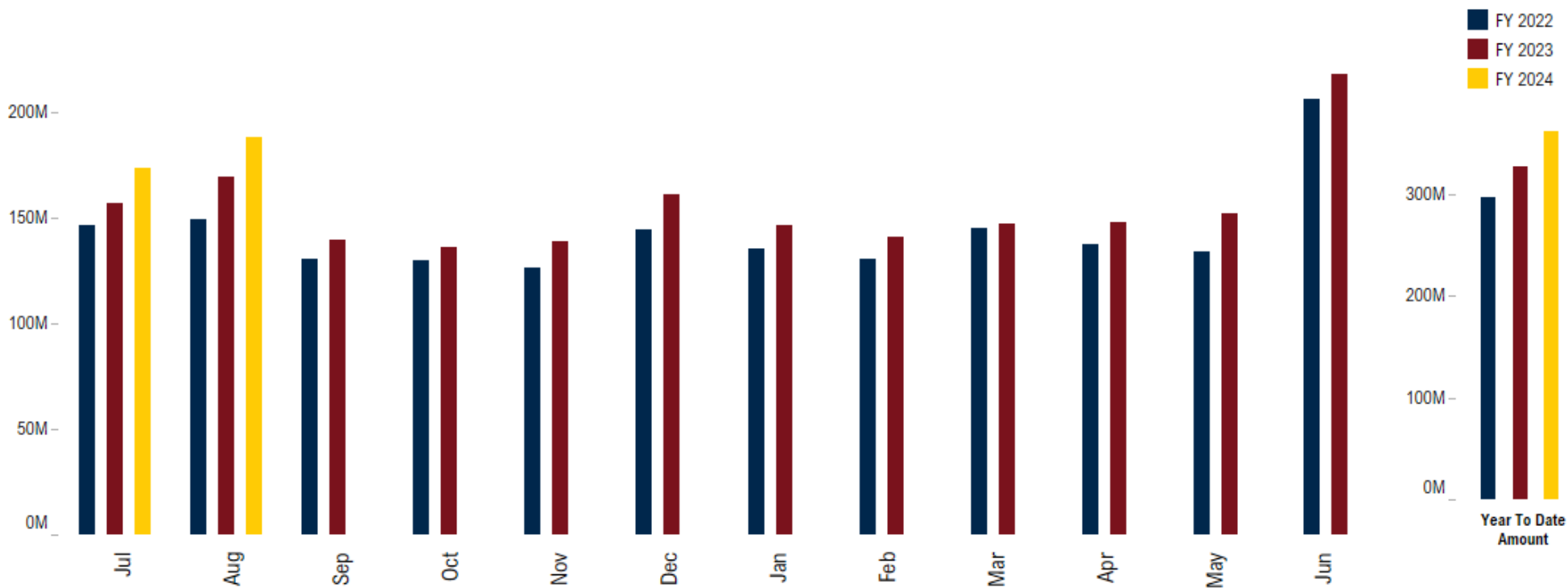
The number of new research awards from external sponsors through the second month of FY24 decreased 15.9 percent, and their value decreased 11.3 percent when compared to August 2022.

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

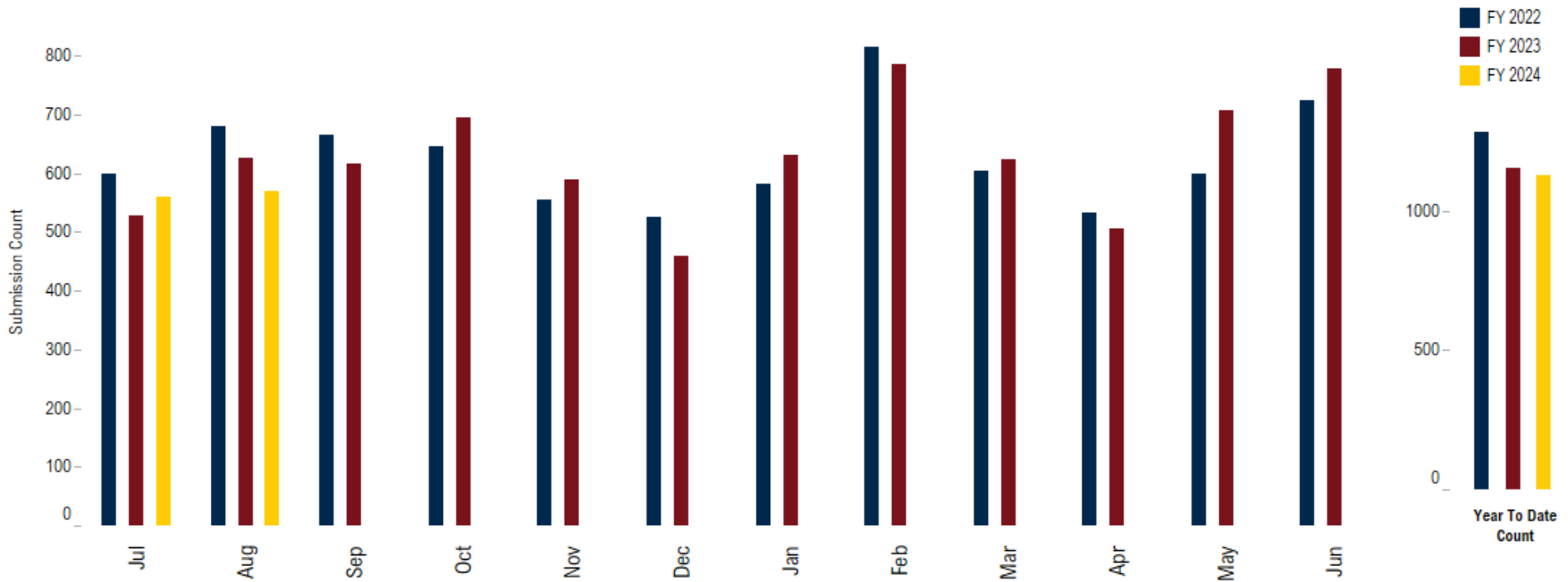
### Expenditures



### Year to Date

FY22: \$296,307,107  
FY23: \$326,752,551  
FY24: \$362,404,542

### Submissions by Count



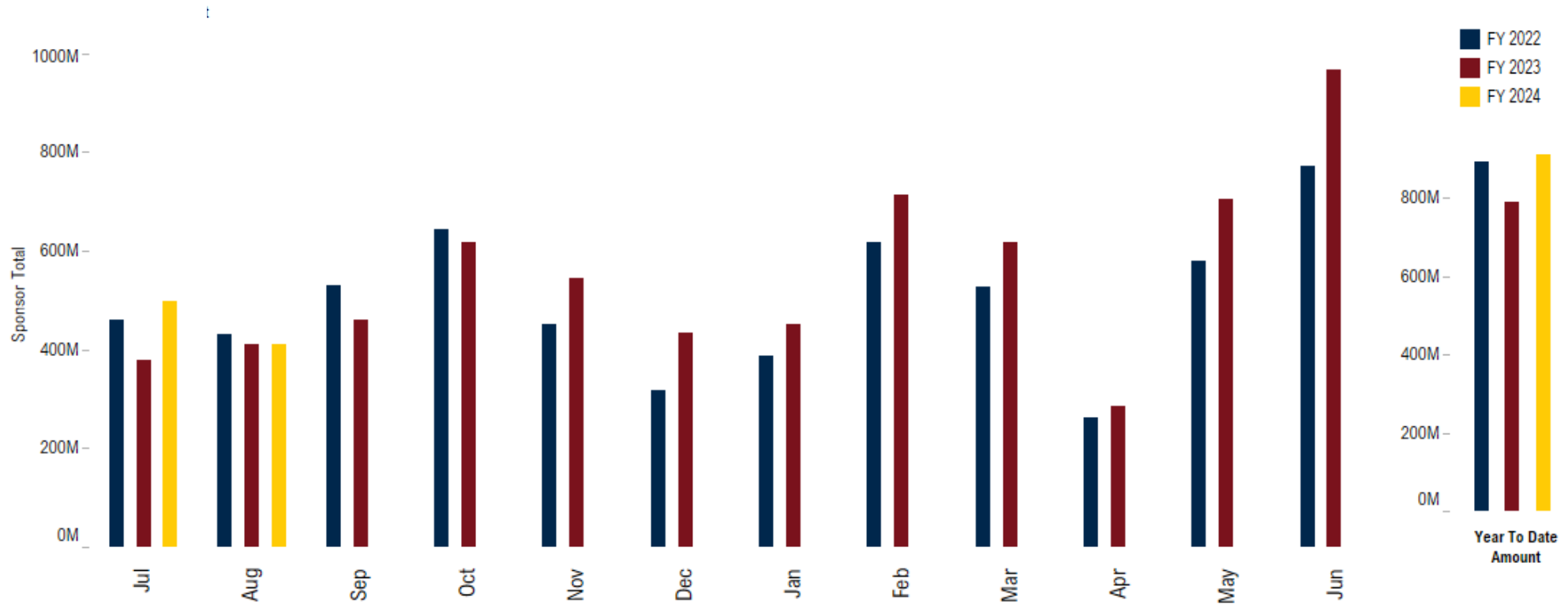
### Year to Date

FY22: 1,280

FY23: 1,154

FY24: 1,129

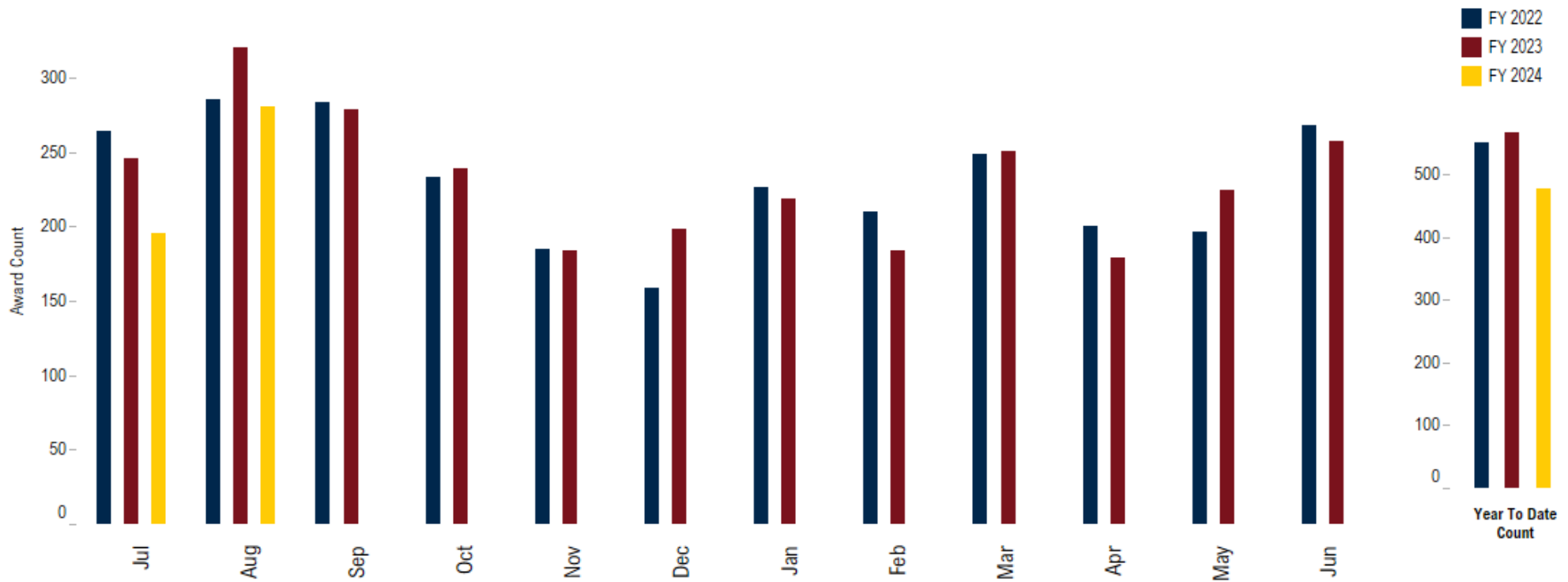
## Submissions by Amount



### Year to Date

FY22: \$893,248,023  
 FY23: \$790,880,644  
 FY24: \$909,676,003

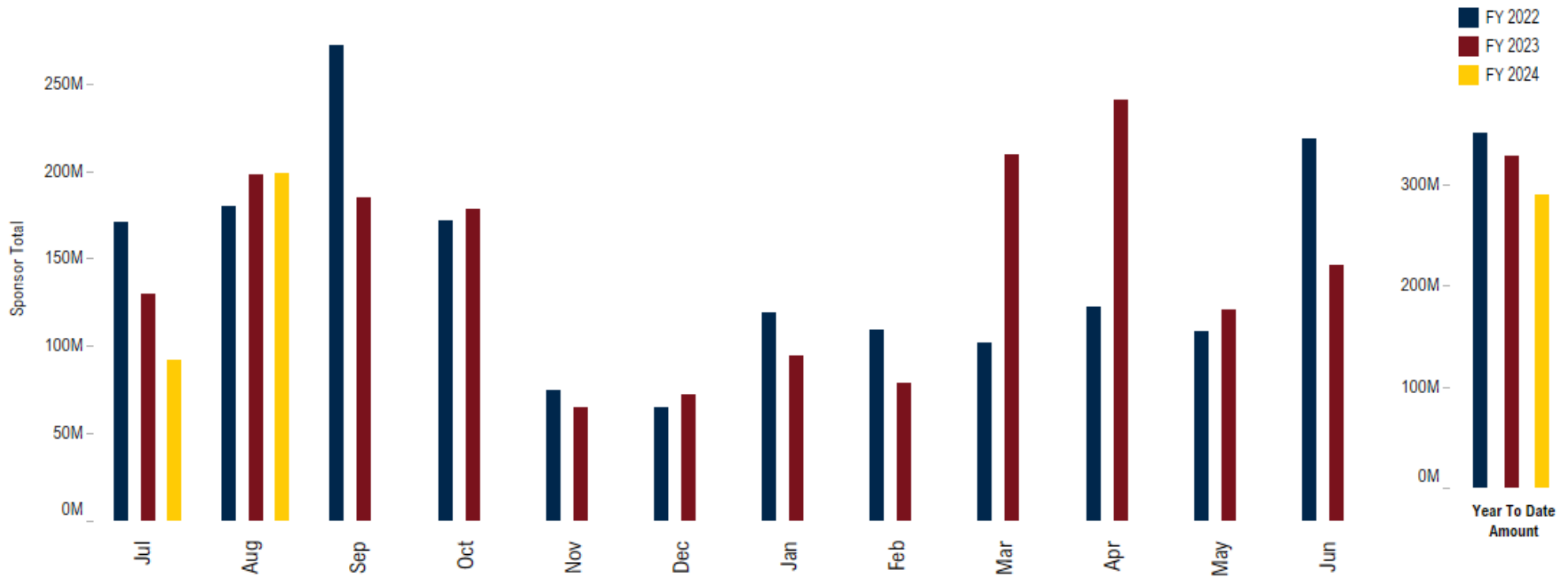
### Awards by Count



### Year to Date

FY22: 550  
FY23: 567  
FY24: 477

## Awards by Amount



### Year to Date

FY22: \$350,649,579

FY23: \$327,806,705

FY24: \$290,633,619

## Top Monthly Awards

### National Science Foundation

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Goldman, Rachel	Materials Science & Engin.	MRSEC: Center for Materials Innovations at Michigan	National Science Foundation	\$18,000,000	6.0
Zhang, Zheshen	EECS - ECE - OPT	C: Quantum-Enhanced Inertial Measurement Unit (QEIMU)	National Science Foundation	\$3,834,658	2.0
Settles, Isis	LSA Psychology	Collaborative Research: Broadening participation of marginalized scholars in STEM: The longitudinal influence of early-career climate experiences on professional pathways	National Science Foundation	\$1,363,480	5.0

### National Institutes of Health

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Birditt, Kira	SRC - Aging&Biopsychosoc Innov	UAS-CLEAR: A new nationally representative longitudinal study of caregiving experiences and well-being across the lifecourse	Health and Human Services, Department of-National Institutes of Health	\$4,720,148	4.7
Kaczorowski, Catherine	MM Neurology Department	Cell Type-Specific Proteins that Promote Resilience to Cognitive Aging and Alzheimer's Disease	Health and Human Services, Department of-National Institutes of Health	\$4,413,724	3.0
Cascalho, Marilia	MM Transplant Surgery (STX)	TNFRSF13B polymorphisms and immunity to transplantation	Health and Human Services, Department of-National Institutes of Health	\$3,858,409	5.0

# Top Monthly Awards

## Department of Defense

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Bloch, Anthony	LSA Mathematics	Unified Large-Scale Theoretical and Computational Frameworks for Invariance and Composition of Open Hybrid Dynamical Systems	Defense, Department of-Air Force, Department of the-Subcontracts	\$3,198,636	5.0
Gates, Deanna	School of Kinesiology	Regenerative Peripheral Nerve Interfaces to Enhance Function and Sensation in People with Transfemoral Amputation	Defense, Department of-Army, Department of the	\$1,500,000	4.0
Galban, Craig	MM Department of Radiology	Advanced Phenotyping Improves Diagnostic, Longitudinal Assessment, and Treatment Strategies for Deployment Related Respiratory Disease	Defense, Department of-Army, Department of the	\$1,178,939	3.0

## Department of Energy

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Burger, Milos	Nuclear Eng & Radiological Sci	CFA-23-29603; Optical Sensors for Impurity Measurement in Liquid Metal-cooled Fast Reactors	Energy, Department of	\$900,000	3.0
Hovden, Robert	Materials Science & Engin.	ROOM TEMPERATURE STABILIZATION OF ORDERED 2D CHARGE DENSITY WAVES IN ATOMICALLY THIN MATERIALS	Energy, Department of	\$875,000	1.0
Radaideh, Majdi	Nuclear Eng & Radiological Sci	DECP-29865; An Optimization and Control Hub for Advanced Reactors: A Step Toward Modernizing Nuclear Engineering Education	Energy, Department of	\$625,000	5.0





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# Top Monthly Awards

## Industry

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Vaishampayan, Ulka	MM Int Med-Hematology/Oncology	Biology of Cancer Case-Control Study	Roche Molecular Systems, Inc	\$9,077,946	5.0
Khaja, Minhajuddin	MM Department of Radiology	A Prospective, Multicenter, Pivotal Study with Randomized Controlled Prophylactic and Independent Therapeutic Cohorts to Evaluate the Safety and Efficacy of an Absorbable Inferior Vena Cava Filter for Pulmonary Embolism Prevention	Adient Medical, Inc.	\$1,673,441	4.8
Karimi, Yasmin	MM Int Med-Hematology/Oncology	A PHASE II STUDY EVALUATING THE SAFETY AND EFFICACY OF GLOFITAMAB IN COMBINATION WITH RITUXIMAB (R) PLUS CYCLOPHOSPHAMIDE, DOXORUBICIN, VINCRISTINE, AND PREDNISONE (CHOP) IN CIRCULATING TUMOR (ct)DNA HIGH-RISK PATIENTS WITH UNTREATED DIFFUSE LARGE-CELL LYMPHOMA.	Syneos Health, LLC	\$1,596,649	8.1

## Nonprofits

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Spitz, Joshua	LSA Physics	Toward a Measurement of the Atmospheric Neutrino Rate over Gigayear Timescales	Gordon E. and Betty I. Moore Foundation	\$1,250,000	5.0
Garner, Amanda	PHARMACY Medicinal Chemistry	Chemical Manipulation of RNA-Protein Interactions for RNA-Targeted Drug Discovery	Ono Pharma Foundation	\$1,035,000	3.0
Owen-Smith, Jason	SRC-Innovation, Networks & Knowledge	Breakthroughs in science: The role of funding approaches and investment balance across Stokes' quadrants	Wellcome Leap Inc	\$673,905	1.3