

U-M RESEARCH AWARD AND EXPENDITURES REPORT  
JUNE 2023

This report summarizes the overall trends in grant and contract activity across all three campuses of the University of Michigan through the first ten months of Fiscal Year 2023, which ended April 30.

Research expenditures through the first ten months of FY23 totaled \$1.48 billion, which is up 7.9 percent when compared to the first ten months of FY22.

The number of research submissions through the first ten months of FY23 was down 2.3 percent, but the value of those submissions increased 6 percent when compared to April 2022.

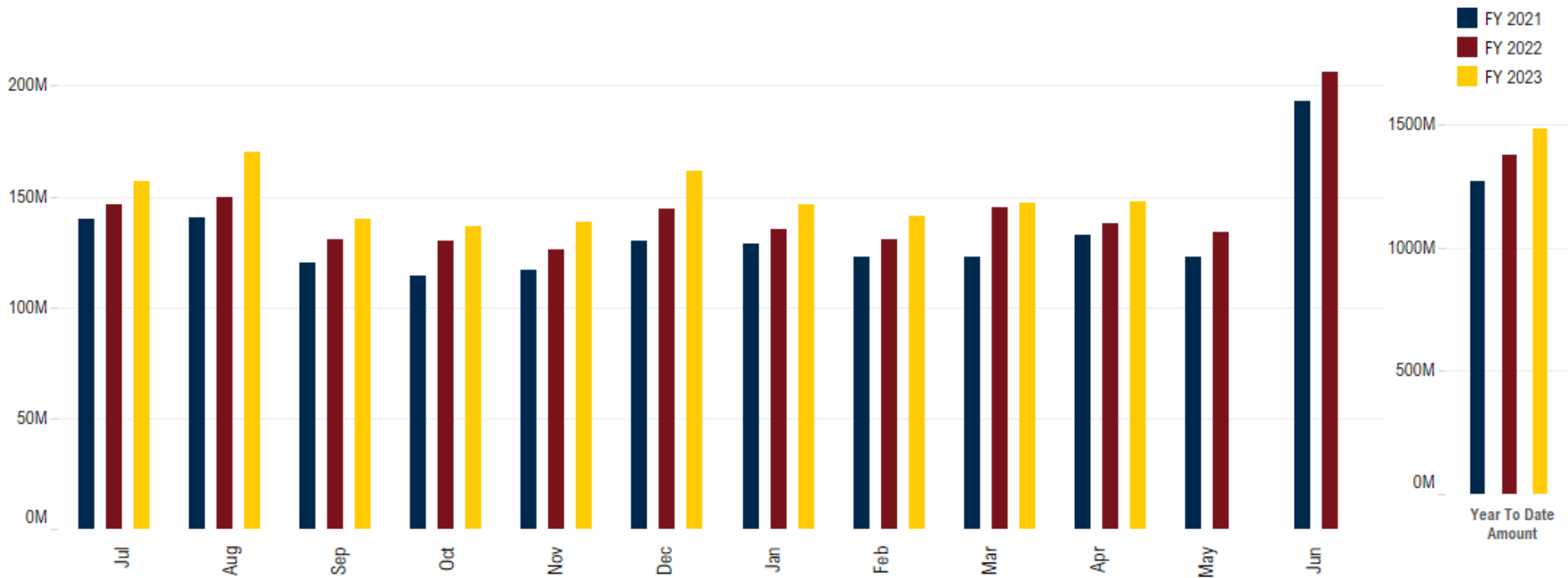
The number of new research awards from external sponsors through the first ten months of FY23 increased 0.3 percent, and their value increased 4.9 percent when compared to April 2022.

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



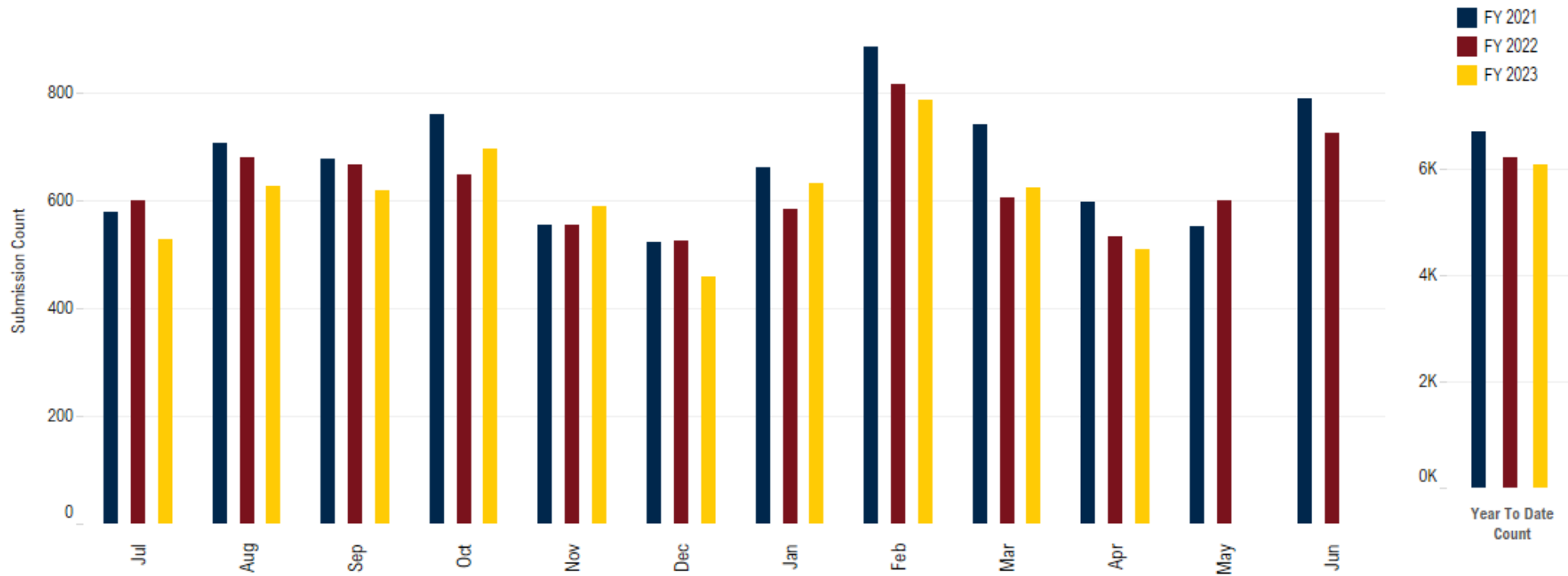
### Year to Date

FY21: \$1,268,720,655

FY22: \$1,376,973,175

FY23: \$1,486,376,168

## Submissions by Count



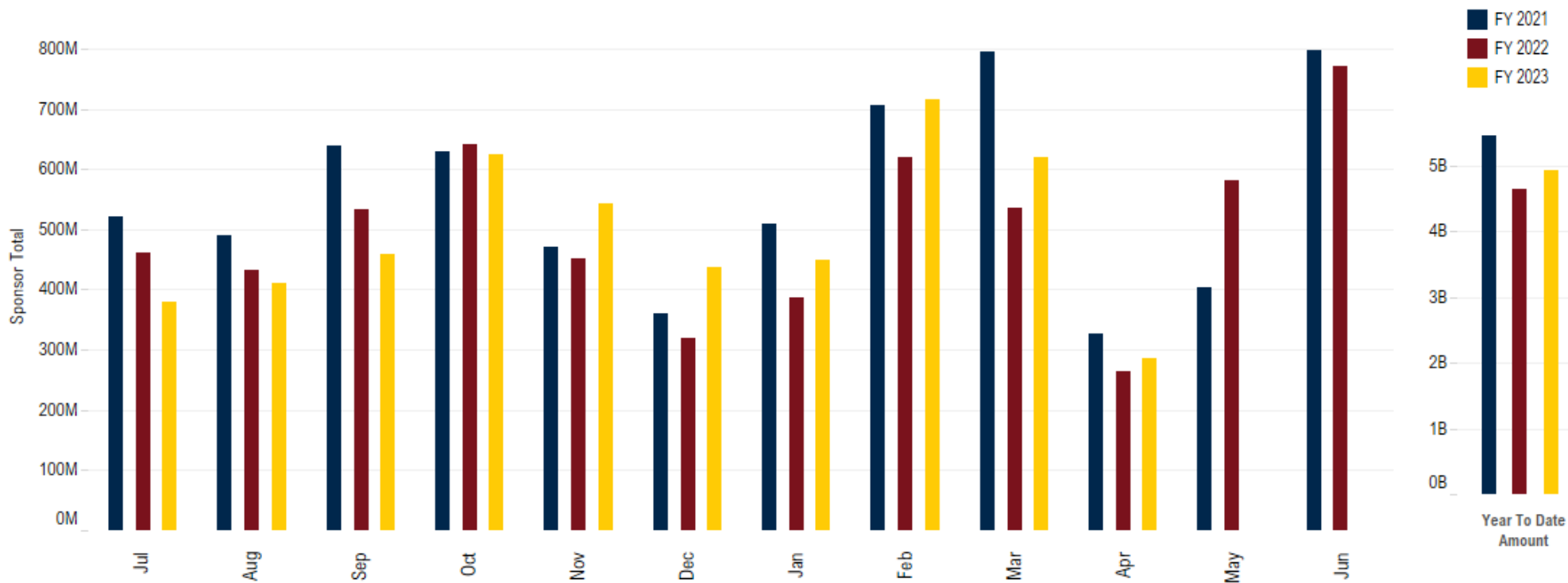
### Year to Date

FY21: 6,681

FY22: 6,207

FY23: 6,063

## Submissions by Amount



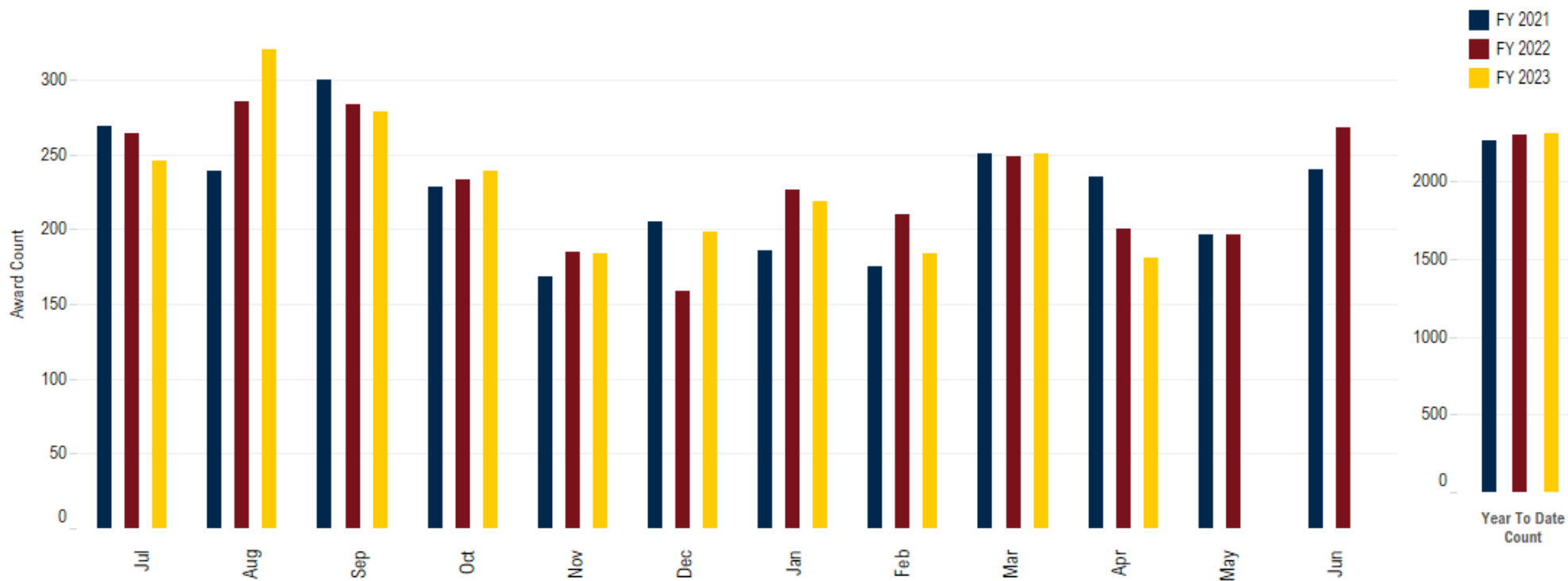
### Year to Date

FY21: \$5,443,062,608

FY22: \$4,644,410,712

FY23: \$4,924,631,670

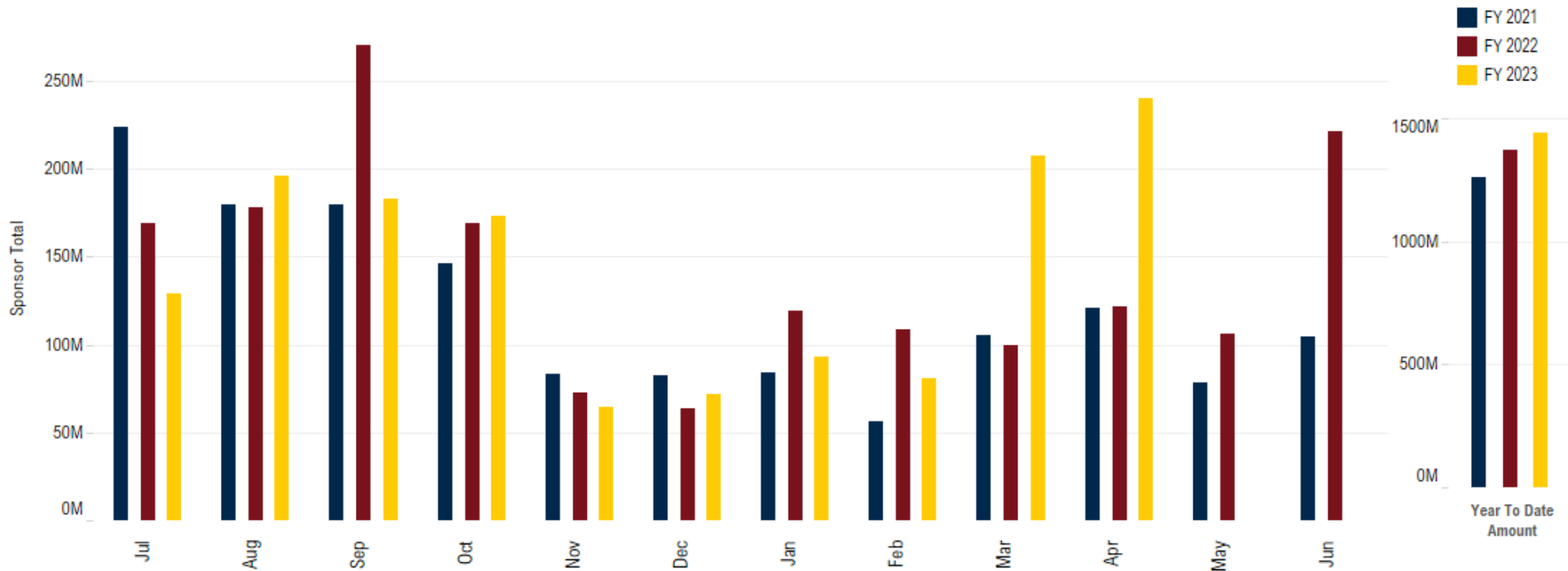
## Awards by Count



### Year to Date

FY21: 2,258  
FY22: 2,297  
FY23: 2,303

## Awards by Amount



### Year to Date

FY21: \$1,262,555,456

FY22: \$1,371,738,051

FY23: \$1,438,920,639

# Top Monthly Awards

## National Science Foundation

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Singh, Nirala	Chemical Engineering Dept	CAS-SC: Elucidating the Electrocatalytic Coupling of Nitrate and Carbon Dioxide: Toward Electron Efficient C-N Coupling	National Science Foundation	\$750,000	3.0
Shorter, K Alex	Mechanical Engineering	CAREER: Towards the creation of a dynamic modeling framework to generate new knowledge about swimming biological systems	National Science Foundation	\$724,026	5.0
Glotzer, Sharon	Chemical Engineering Dept	CDS&E: MPATHS - Microscopic Pathway Analysis Toolkit for High-throughput Studies	National Science Foundation	\$660,000	4.0

## National Institutes of Health

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Ellingrod, Vicki	MM MICHR - Operations	CTSA K12 Program at the University of Michigan	Health and Human Services, Department of-National Institutes of Health	\$8,100,000	5.0
Brown, Devin	MM Neurology Department	Towards personalized medicine: pathophysiologic contributions to post-stroke sleep apnea	Health and Human Services, Department of-National Institutes of Health	\$4,978,112	3.9
Zahodne, Laura	LSA Psychology	Mechanisms of inequalities in ADRD risk across race and place in the Michigan Cognitive Aging Project	Health and Human Services, Department of-National Institutes of Health	\$4,616,268	4.8

## Top Monthly Awards

### Department of Defense

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Hankenson, Kurt	MM Orthopaedic Surgery	Pivotal and Diverse Roles for Matricellular Proteins in Musculoskeletal Disorders	Defense, Department of-Defense Health Agency	\$8,351,133	4.0
Raman, Venkat	Aerospace Engineering	Graphics Processing Units based Computing System for Emerging Hypersonics Solvers	Defense, Department of-Air Force, Department of the	\$1,996,628	1.0
Kasikci, Baris	EECS - CSE - SYSTEMS	PRISM - Processing with Intelligent Storage and Memory	Defense, Department of-Defense Advanced Research Projects Agency-Subcontracts	\$985,500	0.9

### Department of Energy

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Nikolla, Eranda	Chemical Engineering Dept	Tuning Catalytically Active Single Sites in Non-stoichiometric, Mixed Metal Oxides for Oxygen Electrocatalysis	Energy, Department of	\$294,423	1.7
Sun, Jing	Naval Arch & Marine Dept	MECC DoE Competition; Sun	Energy, Department of	\$20,000	1.0



# Top Monthly Awards

## Industry

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Schott, Anne	MM Int Med-Hematology/Oncology	First-in-Human Study of Mutant-selective PI3Kα Inhibitor, RLY-2608, as a Single Agent in Advanced Solid Tumor Patients and in Combination With Fulvestrant in Patients With Advanced Breast Cancer	Relay Therapeutics, Inc	\$942,785	2.8
Dreslinski Jr, Ronald	EECS - CSE - CELAB	PANDO: Parallel Architecture for Native Data-Graph Analytics Operations	Advanced Micro Devices, Inc. (AMD)	\$907,164	3.0
Qin, Angel	MM Int Med-Hematology/Oncology	A Phase 3, Open-label, Randomized Study of Lazertinib with Subcutaneous Amivantamab Compared with Intravenous Amivantamab in Patients with EGFR-mutated Advanced or Metastatic Non-small Cell Lung Cancer After Progression on Osimertinib and Chemotherapy (PALOMA-3)	Janssen Research and Development, LLC	\$556,707	3.0

## Nonprofits

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Whyte, Kyle	Sch for Environ and Sustain	Indigenous Environmental Justice Catalyst	The Bay and Paul Foundations, Inc.	\$1,000,000	4.0
Parthasarathy, Shobita	FSPP STPP Cert Prog	Core support for Gerald R. Ford School of Public Policy's Science, Technology, and Public Policy Program to develop community partnerships to increase participation and impact of their technology policy research program	Ford Foundation	\$400,000	2.0
Kullgren, Jeffrey	MM IHPI 231135	Partnership between the University of Michigan National Poll on Healthy Aging and the Michigan Health Endowment Fund	Michigan Health Endowment Fund	\$155,000	0.8