



U-M RESEARCH AWARD AND EXPENDITURES REPORT
FEBRUARY 2024

**Received by the Regents
February 15, 2024**

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

Total research expenditures through the first half of FY24 totaled \$996 million, which is up 10.4 percent when compared to December 2022.

The number of research submissions through the first six months of FY24 was up 8.4 percent, and the value of those submissions increased 13.5 percent when compared to December 2022.

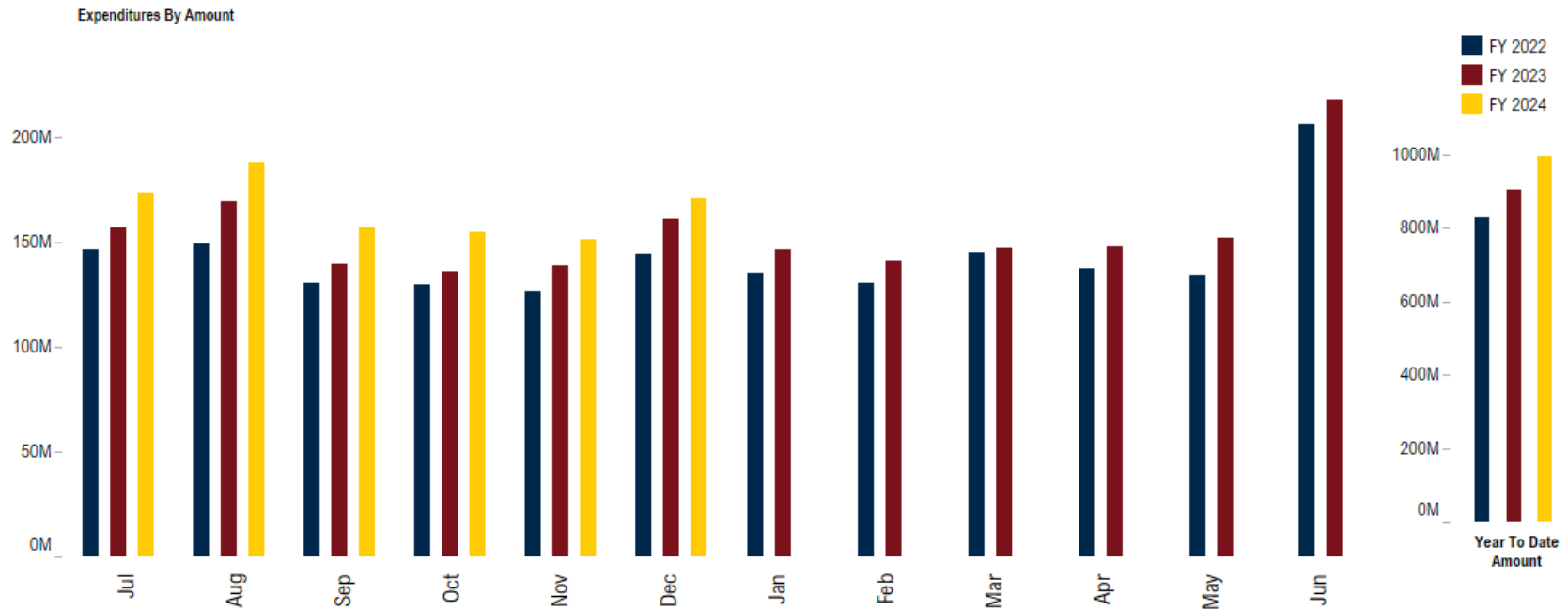
The number of new research awards from external sponsors through the first half of FY24 decreased 4.2 percent, but their value increased 12.1 percent when compared to December 2022.

Rebecca Cunningham, Vice President for Research and Innovation

Shandra White, Assistant Vice President for Research – Sponsored Projects

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

Expenditures



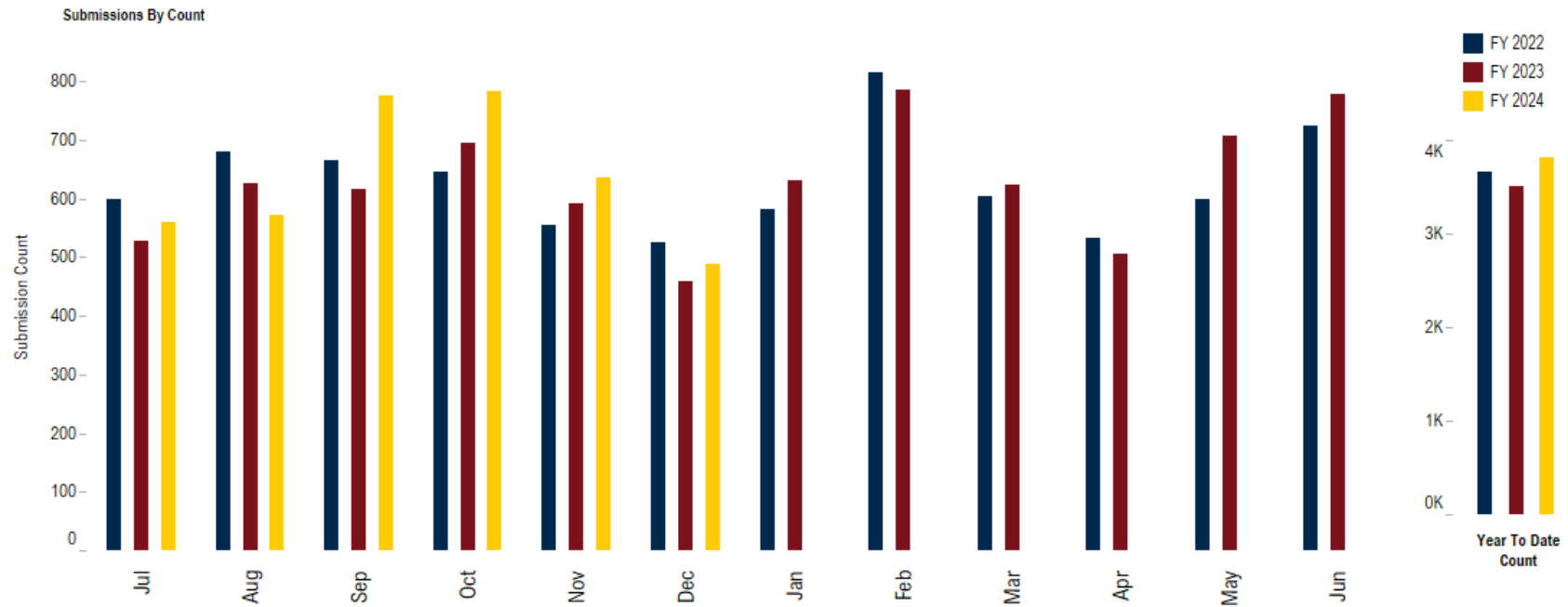
Year to Date

FY22: \$828,150,251

FY23: \$903,402,410

FY24: \$996,978,928

Submissions by Count



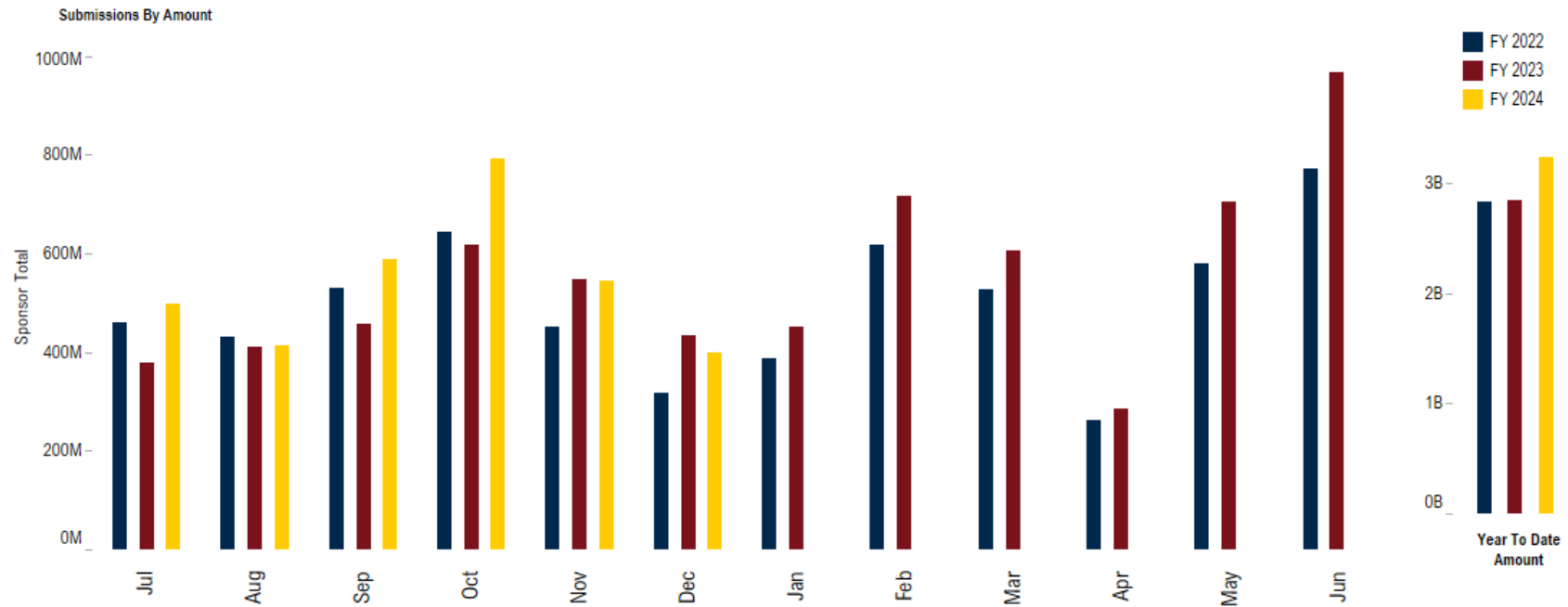
Year to Date

FY22: 3,671

FY23: 3,517

FY24: 3,813

Submissions by Amount



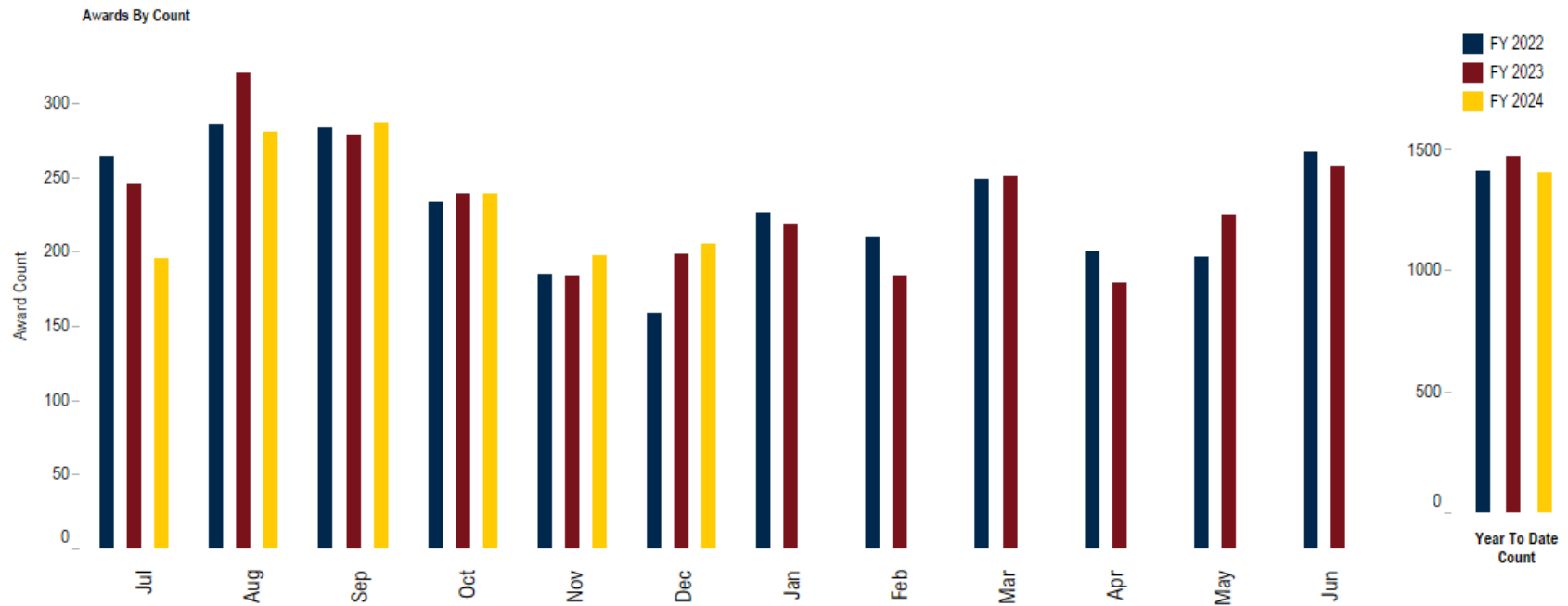
Year to Date

FY22: \$2,833,933,343

FY23: \$2,849,025,320

FY24: \$3,234,054,287

Awards by Count



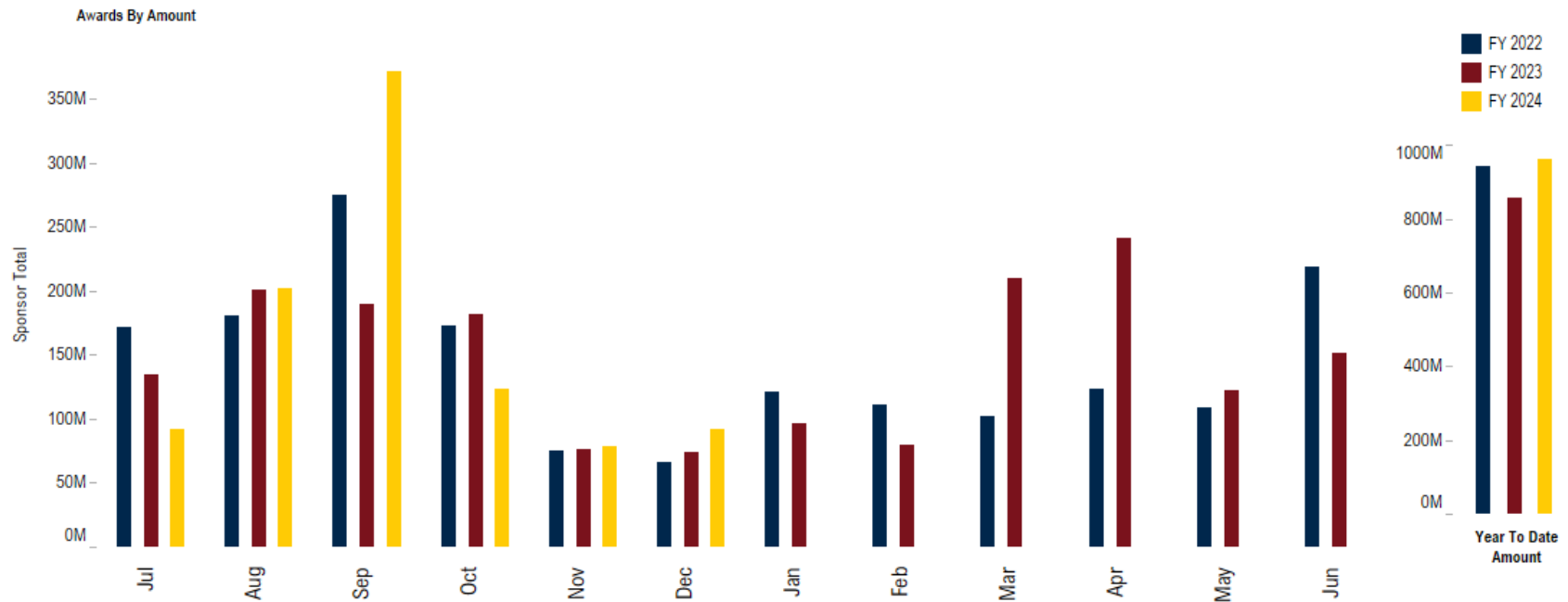
Year to Date

FY22: 1,411

FY23: 1,468

FY24: 1,406

Awards by Amount



Year to Date

FY22: \$941,593,896

FY23: \$857,891,063

FY24: \$961,357,062

Top Monthly Awards

Top New Projects (December 2023) - NSF

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Jensen, Paul	Biomedical Engineering	CAREER: Learning mechanistic models with automated experiments	National Science Foundation	\$1,370,964	5.0
Bridwell-Rabb, Jennifer	LSA Chemistry	CAREER: Breaking Down the Structure-function Relationships in Enzymes that Catabolize Chlorophyll	National Science Foundation	\$820,000	5.0
Friedman, Matt	LSA Paleontology Museum	Collaborative Research: Phenotypic and lineage diversification after key innovation(s): multiple evolutionary pathways to air-breathing in labyrinth fishes and their allies	National Science Foundation	\$204,461	3.0

Top New Projects (December 2023) - NIH

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
McInnis, Melvin	MM Heinz C. Prechter Bipolar R	Detecting dynamic fluctuations in emotion, mood, and functioning: A digital phenotyping approach to clinical monitoring in bipolar disorder	Health and Human Services, Department of-National Institutes of Health	\$3,624,337	4.9
Oldham, Justin	MM Int Med-Pulm./Critical Care	Prognostic Biomarker Development in Progressive Fibrosing Interstitial Lung Disease	Health and Human Services, Department of-National Institutes of Health	\$3,481,198	5.0
Harte, Steven	MM MICHR - Operations	CTSA Postdoctoral T32 at the University of Michigan	Health and Human Services, Department of-National Institutes of Health	\$2,092,000	10.0



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Top Monthly Awards

Top New Projects (December 2023) - DOD

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Mahesh, Krishnan	Naval Arch & Marine Dept	Center For Naval Research and Education (CNRE)	Defense, Department of-Navy, Department of the	\$14,320,600	5.0
Berenson, Dmitry	CoE Robotics	Adaptive Tool Use for Shipboard Maintenance Robots	Defense, Department of-Navy, Department of the	\$970,000	3.0
Raman, Venkat	Aerospace Engineering	Adaptive and Embedded Modeling of Highly Compressible Shock-laden Reacting Flows	Defense, Department of-Air Force, Department of the	\$904,336	5.0

Top New Projects (December 2023) - DOE

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Zuo, Lei	Naval Arch & Marine Dept	Wolverine Offshore Wind at University of Michigan CWC2024	Energy, Department of	\$2,000	3.0

Top Monthly Awards

Top New Projects (December 2023) - Industry

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Mody, Lona	MM IM-Geri & Palliative Med.	Evaluation of Quality-of-Life Improvements using UroShield for Patients Living in Long Term Care Facilities with Indwelling Urinary Catheters	NanoVibronix, Inc.	\$3,127,265	3.5
Chugh, Rashmi	MM Int Med-Hematology/Oncology	Open-Label Phase 2 Clinical Trial to Assess the Safety, Tolerability and Antitumor Activity of Genetically Engineered NY-ESO-1 Specific (c259) T Cells (GSK3377794) in HLA-A2+ Participants with NY-ESO-1- and/or LAGE-1aPositive Relapsed And Refractory Synovial Sarcoma	Adaptimmune, LLC	\$2,468,783	4.4
Kennedy, Robert	LSA Chemistry	New insights on sustainable materials and complex mixtures via advanced characterization	The Dow Chemical Company	\$1,583,978	3.0

Top New Projects (December 2023) - Foundations

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Baldrige, Ryan	MM Biological Chemistry Dept	Targeted protein degradation from novel cellular compartments	W. M. Keck Foundation	\$1,300,000	3.0
Forzani, Francesca	MARSAL EDUC - Teaching Works	INV-060023:University of Michigan "TeachingWorks Phase II	Bill and Melinda Gates Foundation	\$900,000	3.1
Chardoul, Stephanie	Survey Research Organization	Household Income and Child Development in the First 3 years of Life Continuation - Valhalla Charitable Foundation Funding	The Valhalla Charitable Foundation	\$862,500	1.0