



U-M RESEARCH AWARD AND EXPENDITURES REPORT  
DECEMBER 2023

**Received by the Regents  
December 7, 2023**

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

Total research expenditures through the fourth month of FY24 totaled \$674 million, which is up 11.9 percent when compared to October 2022.

The number of research submissions through the fourth month of FY24 was up 9 percent, and the value of those submissions increased 22.7 percent when compared to October 2022.

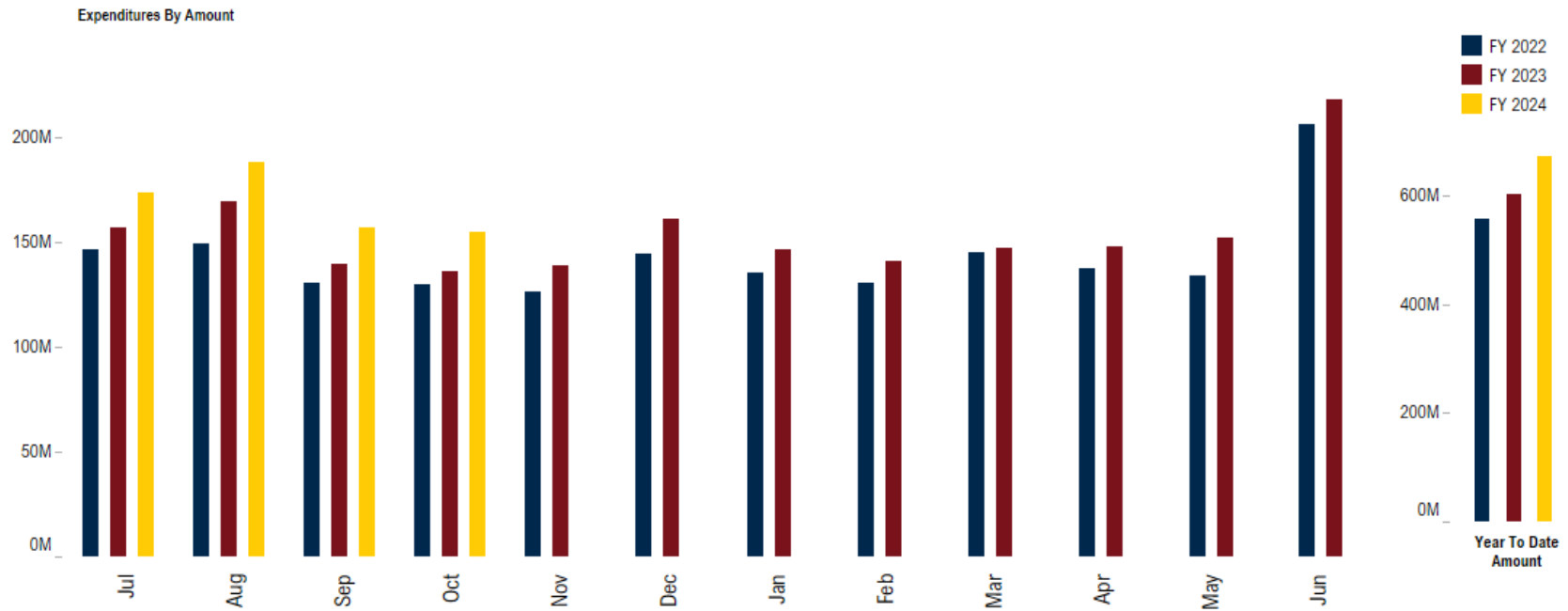
The number of new research awards from external sponsors through the fourth month of FY24 decreased 7.6 percent, but their value increased 11.9 percent when compared to October 2022.

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



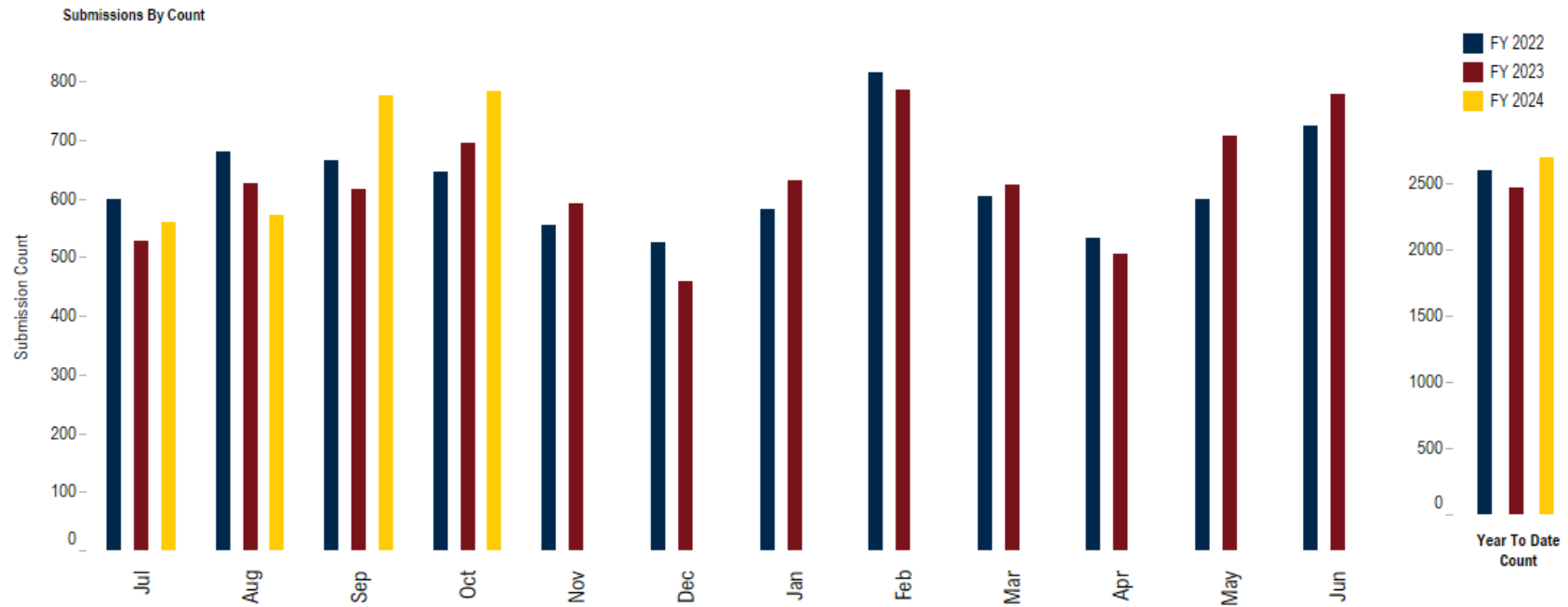
### Year to Date

FY22: \$557,282,984

FY23: \$603,113,714

FY24: \$674,663,828

### Submissions by Count



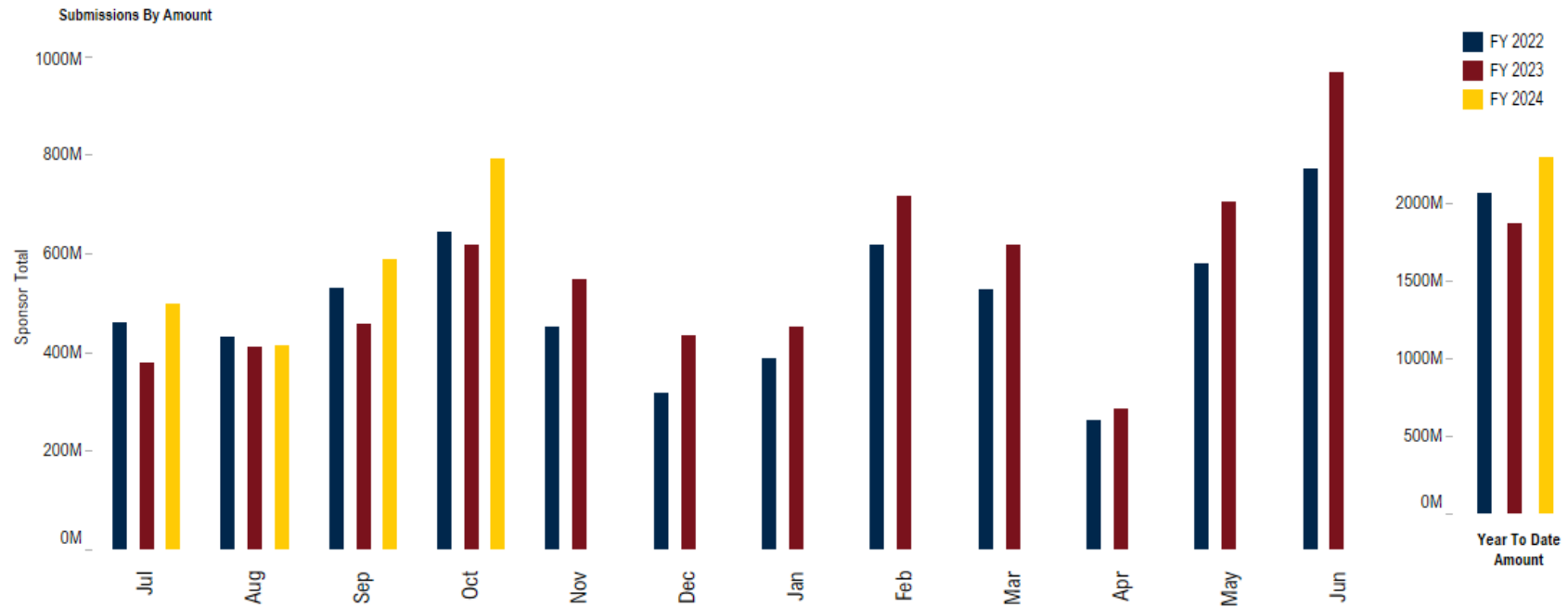
#### Year to Date

FY22: 2,592

FY23: 2,466

FY24: 2,688

## Submissions by Amount



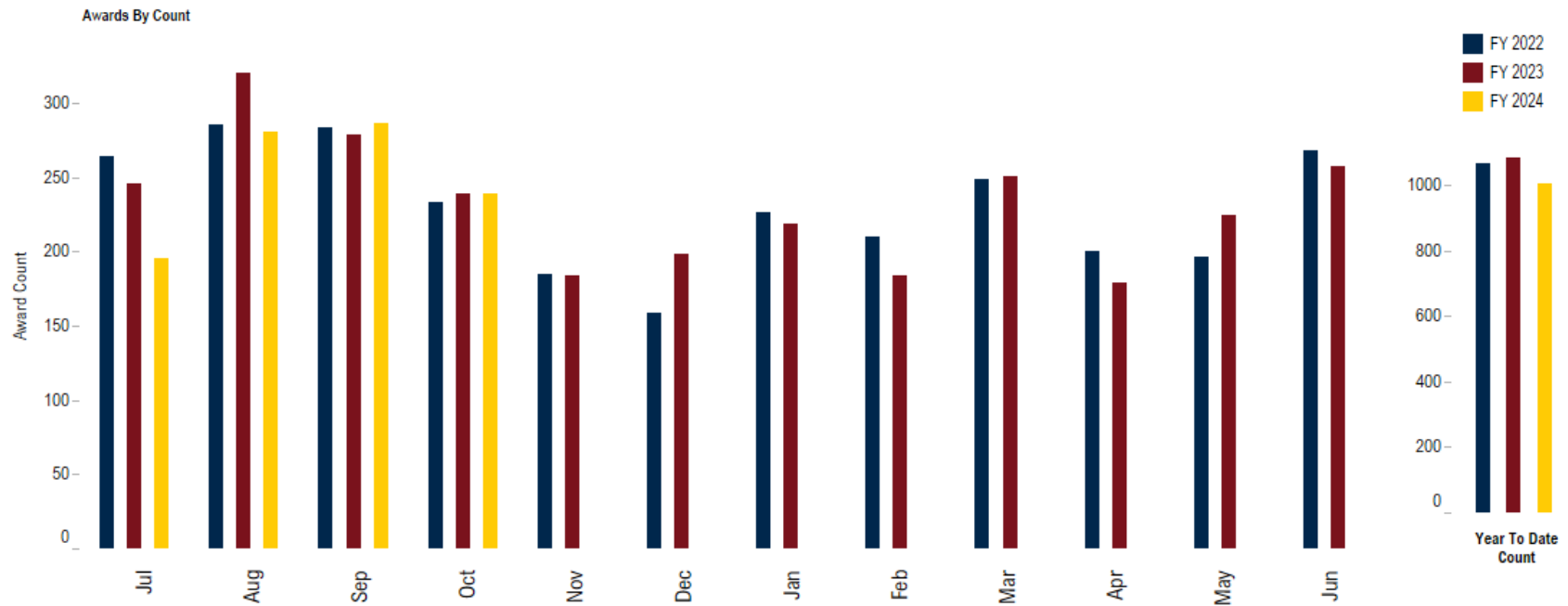
### Year to Date

FY22: \$2,064,539,203

FY23: \$1,867,831,475

FY24: \$2,291,046,907

## Awards by Count



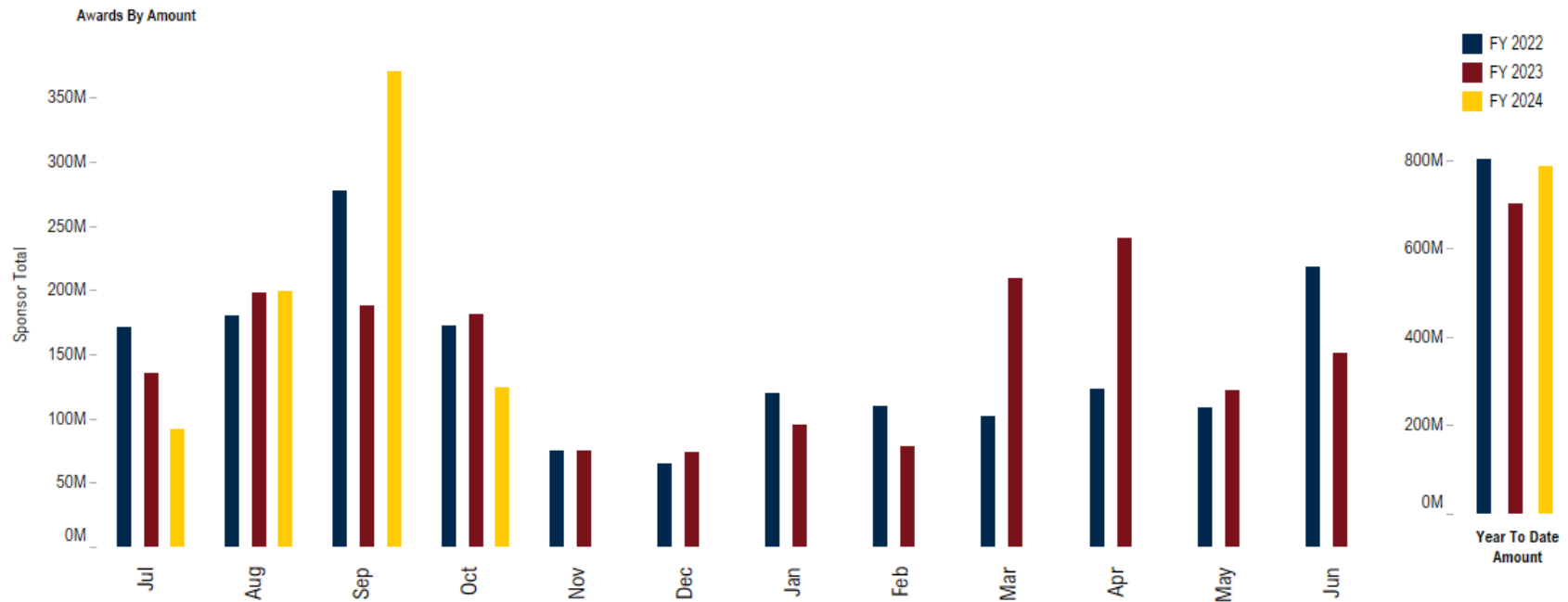
### Year to Date

FY22: 1,067

FY23: 1,085

FY24: 1,003

## Awards by Amount



### Year to Date

FY22: \$801,325,921  
 FY23: \$702,576,384  
 FY24: \$786,024,690

# Top Monthly Awards

## Top New Projects (October 2023) - NSF

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Johnson, Aaron	Aerospace Engineering	Collaborative Research: Research: Understanding and Scaffolding the Productive Beginnings of Engineering Judgment in Undergraduate Students	National Science Foundation	\$197,329	3.0
Krivokapic, Jelena	LSA Linguistics	Collaborative Research: The New York City Individual Differences Corpus: A resource for testing and refining hypotheses about individual differences in speech production	National Science Foundation	\$103,992	3.0

## Top New Projects (October 2023) - NIH

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Lawrence, Theodore	MM Rogel Cancer Center	Molecularly Targeted Radiosensitization of Locally Advanced Cancers	Health and Human Services, Department of-National Institutes of Health	\$10,330,750	5.0
Brummett, Chad	MM Anesthesiology Department	Cannabidiol for postoperative Opioid Reduction in primary total Knee arthroplasty – a randomized, 2x2 factorial, double-blind, placebo-controlled clinical trial (The CORK trial)	Health and Human Services, Department of-National Institutes of Health	\$6,088,829	5.0
Lei, Yu	DENT Periodontics and Oral Med	Advancing On-Slide and Optical Biopsy Tools to Detect High-Risk Oral Premalignancy	Health and Human Services, Department of-National Institutes of Health	\$3,383,510	4.9

# M | RESEARCH

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### Top Monthly Awards

#### Top New Projects (October 2023) - DOD

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Wilson, Steven	Economic Growth Institute	MICHIGAN DEFENSE RESILIENCY CONSORTIUM (MDRC)	Defense, Department of-Office of Local Defense Community Cooperation	\$4,997,965	3.0
Ying, Lei	EECS - ECE - Cspl	Understanding Social Network-Transcendent Online/Offline Behavioral Dynamics: From Data to Models to Prediction	Defense, Department of-Air Force, Department of the	\$2,373,651	3.0
Vaishampayan, Ulka	MM Int Med-Hematology/Oncology	Drug Development of ONC392, a Novel CTLA-4 inhibitor in Advanced Renal Cancer	Defense, Department of-Army, Department of the	\$2,064,247	4.0

#### Top New Projects (October 2023) - DOE

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Kuranz, Carolyn	Nuclear Eng & Radiological Sci	Center for High Energy Density Laboratory Astrophysics Research	Energy, Department of	\$12,500,000	5.0
Boehman, Andre	Mechanical Engineering	Medium Duty Off-Road DME Engine Achieving High Efficiency and Ultra Low Emissions	Energy, Department of	\$2,500,000	3.3
Mi, Zetian	EECS - ECE - SSEL	Gallium Nitride (GaN) Protected Tandem Photoelectrodes for High Efficiency, Low cost, and Stable Solar Water Splitting	Energy, Department of	\$1,000,000	3.0
Verma, Aditi	Nuclear Eng & Radiological Sci	CFA-23-29700; Engaging New Mexican communities in developing an equitable and just approach to siting advanced reactor facilities	Energy, Department of	\$1,000,000	3.0



# Top Monthly Awards

## Top New Projects (October 2023) - Industry

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Salami, Simpa	MM Urology	The Vallania Study: Multi-Cancer and Comorbidity Blood Sample and Clinical Data Collection for a Multiomics Screening Test Development	Freenome Holdings, Inc.	\$1,035,216	2.6
Burness, Monika	MM Int Med-Hematology/Oncology	A Randomized, Open-label, Phase 3 Study of Sacituzumab Govitecan Versus Treatment of Physician's Choice in Patients With Previously Untreated, Locally Advanced, Inoperable or Metastatic Triple-Negative Breast Cancer Whose Tumors Do Not Express PD-L1 or in Patients Previously Treated With Anti-PD-(L)1 Agents in the Early Setting Whose Tumors Do Express PD-L1	Gilead Sciences, Inc.	\$943,080	4.0
Yessayan, Lenar	MM Int Med-Nephrology	A Multi-Center, Randomized, Controlled, Pivotal Study to Assess the Safety and Efficacy of a Selective Cytopheretic Device in Patients with Acute Kidney Injury Requiring Continuous Kidney Replacement Therapy	ICON plc.	\$855,373	2.6

## Top New Projects (October 2023) - Foundations

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Seefeldt, Kristin	Poverty Solutions at U-M	SummerWorks 2024-2026: Washtenaw County Summer Youth Employment Program	The Ralph C. Wilson, Jr. Foundation	\$1,000,000	3.0
Merrill, Nathan	MM Int Med-Hematology/Oncology	Novel therapy to target DNA repair mechanisms in ethnically diverse breast cancer	Susan G. Komen for the Cure	\$450,000	3.0
Shanks, Trina	School of Social Work	Employment Equity Learning and Action Collaborative	Kellogg, W. K., Foundation	\$400,000	2.0