



U-M RESEARCH AWARD AND EXPENDITURES REPORT
JUNE 2024

**Received by the Regents
June 20, 2024**

This report summarizes the overall trends in grant and contract activity across all three campuses of the University of Michigan through the first nine months of Fiscal Year 2024, which ended April 30.

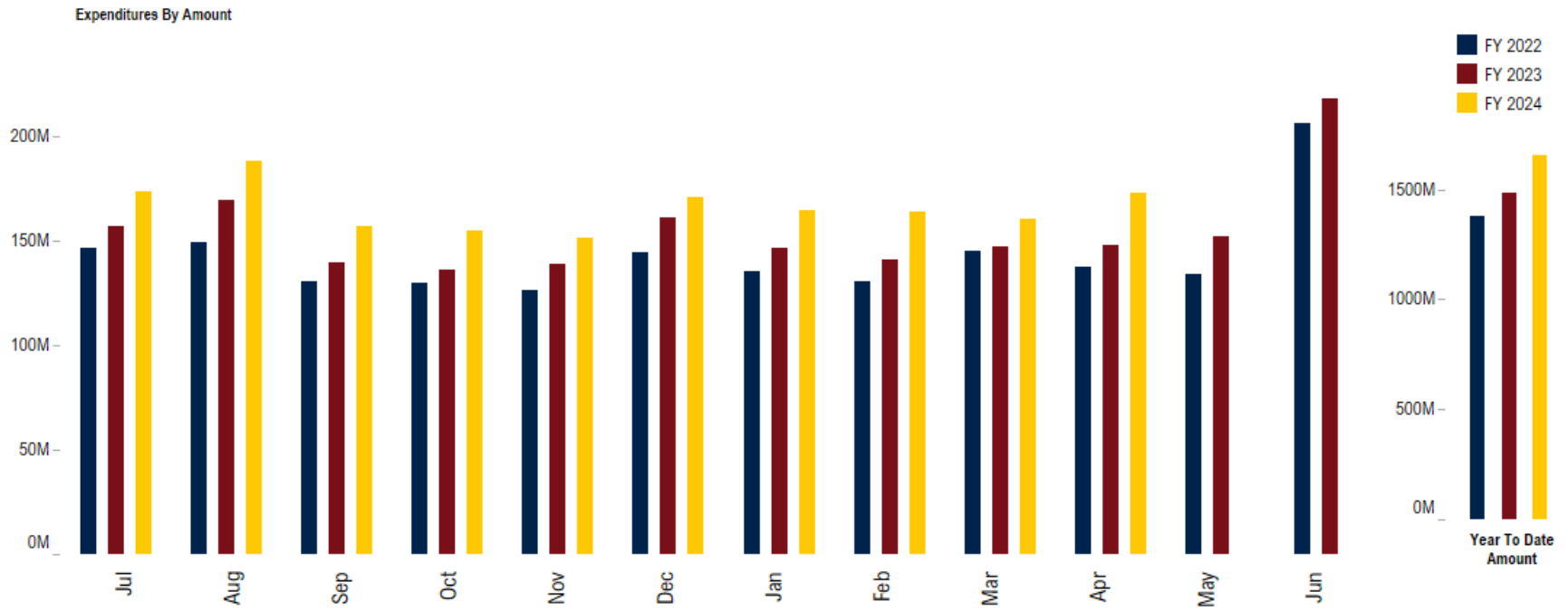
Total research expenditures through the first nine months of FY24 totaled \$1.65 billion, which is up 11.6 percent when compared to April 2023.

The number of research submissions through the first nine months of FY24 was up 8.6 percent, and the value of those submissions increased by 15.9 percent when compared to April 2023.

The number of new research awards from external sponsors through the first nine months of FY24 is the same as FY23, but their value increased 7.9 percent when compared to April 2023.

Arthur Lupia, Vice President for Research and Innovation (interim)
Shandra White, Assistant Vice President for Research - Sponsored Projects
Jason Owen-Smith, Associate Vice President for Research - Institutional Capabilities and Research Intelligence

Expenditures



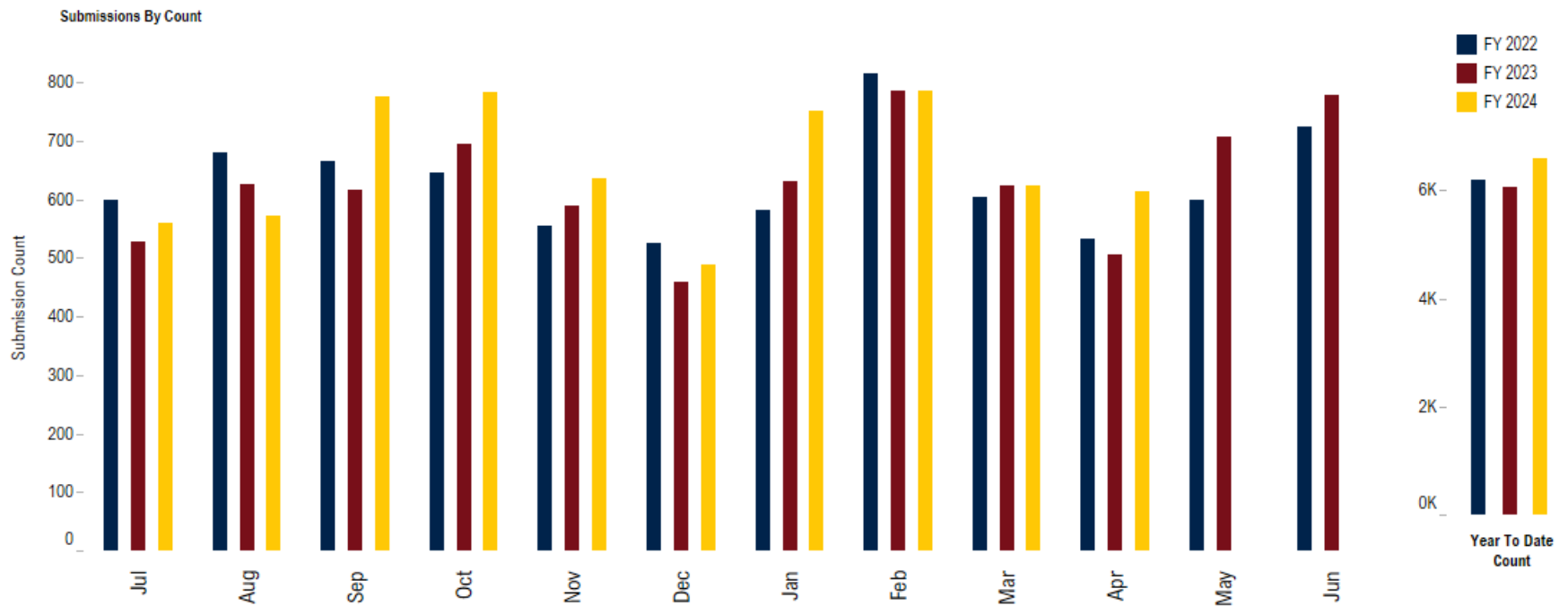
Year to Date

FY22: \$1,376,973,175

FY23: \$1,486,376,168

FY24: \$1,658,779,327

Submissions by Count



YEAR TO DATE

FY22: 6,207

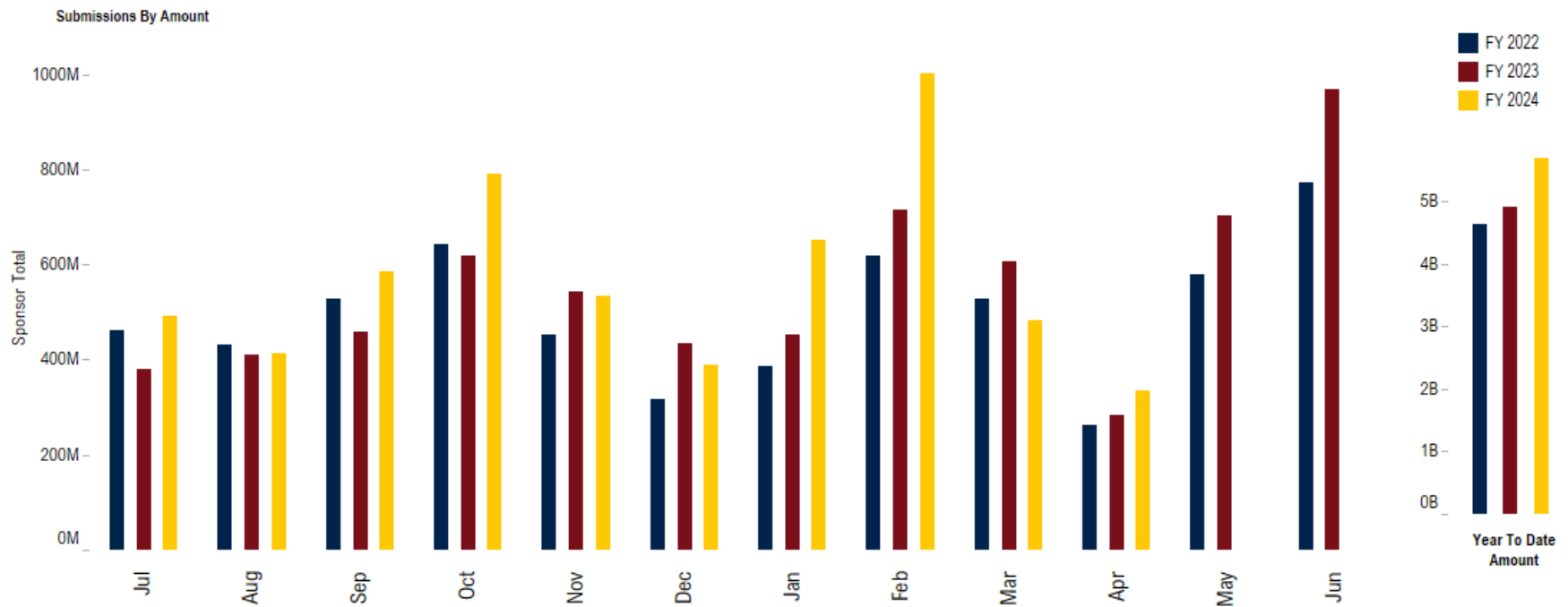
FY23: 6,062

FY24: 6,586

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Submissions by Amount



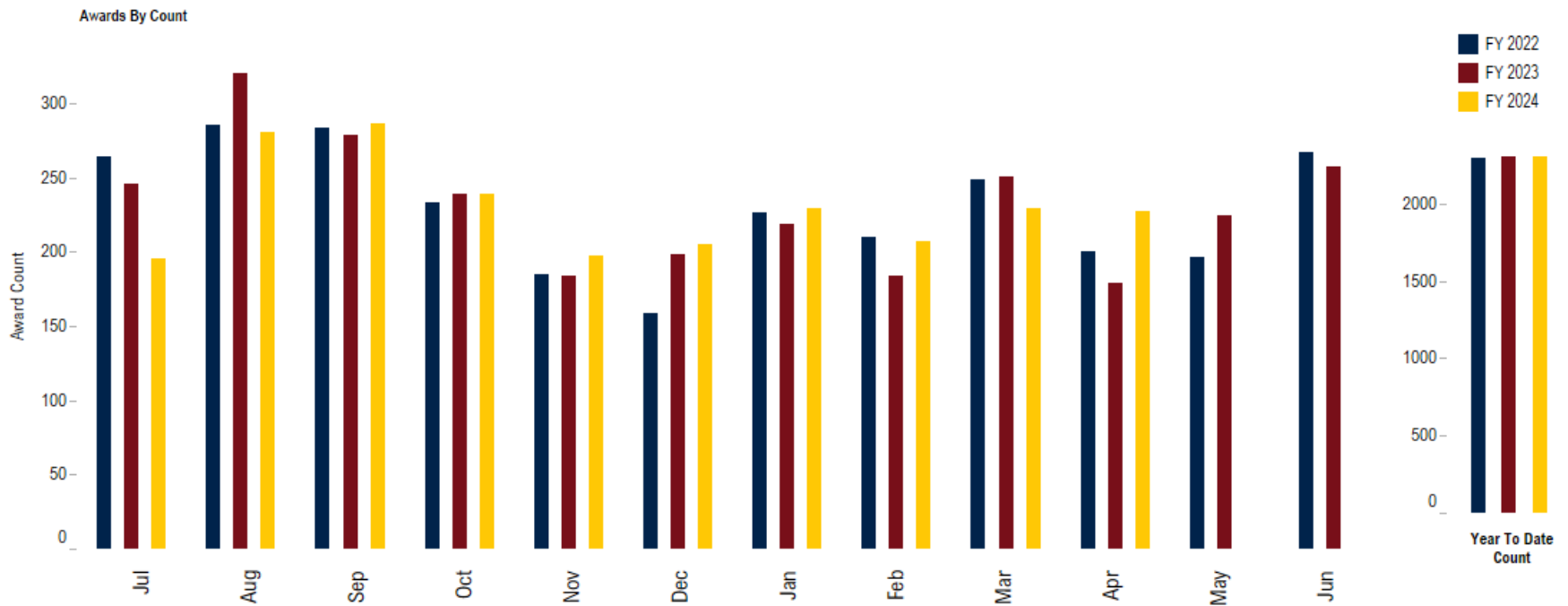
YEAR TO DATE

FY22: \$4,629,409,476

FY23: \$4,903,459,016

FY24: \$5,681,121,232

Awards by Count



YEAR TO DATE

FY22: 2,097

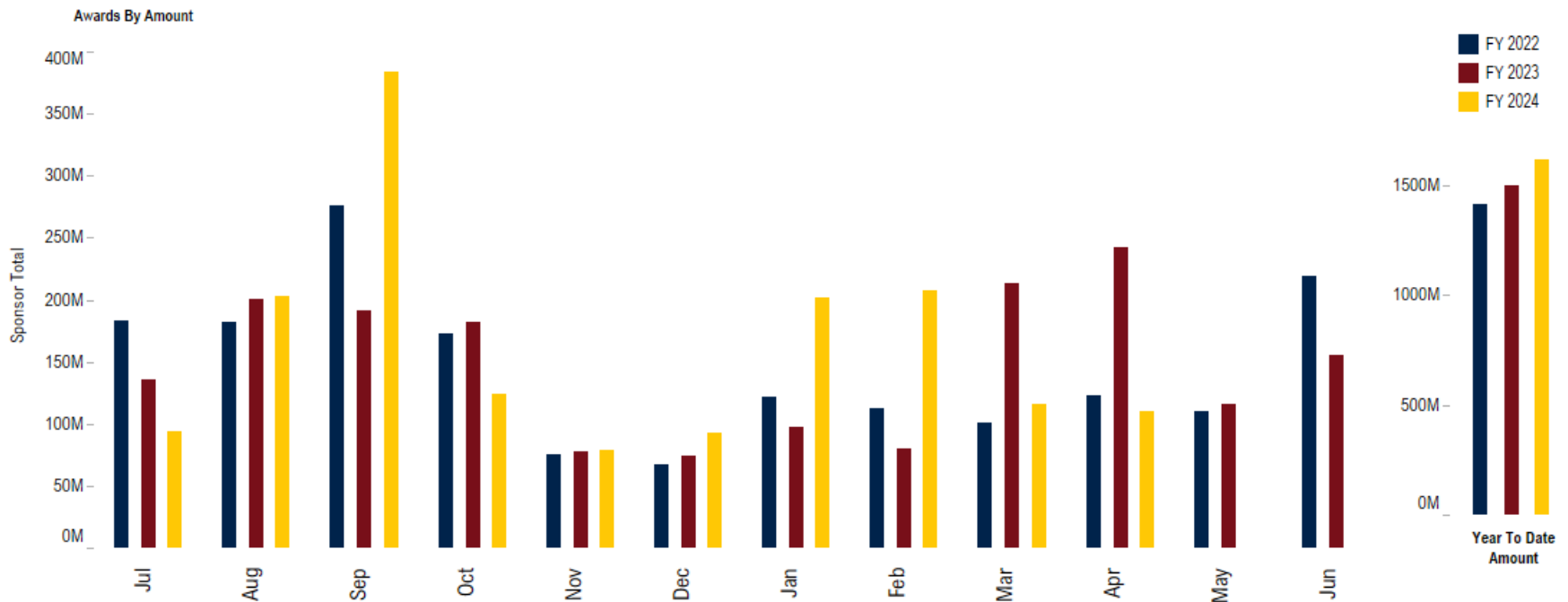
FY23: 2,301

FY24: 2,301

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Awards by Amount



YEAR TO DATE

FY22: \$1,415,571,632

FY23: \$1,494,794,983

FY24: \$1,613,002,044



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Top Monthly Awards

Top New Projects (April 2024) - NSF

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Heemskerk, Idse	MM Cell & Developmental Biology	CAREER: Mechanisms Underlying Temporal Integration of BMP Signaling in Cell Fate Decisions	National Science Foundation	\$1,813,312	5.0
Narayanasamy, Satish	EECS - CSE - CELAB	SHF: Medium: Custom Computing for Genome Sequencing	National Science Foundation	\$900,000	4.0
Jeannin, Jean-Baptiste	Aerospace Engineering	SHF: Small: A Hybrid Synchronous Language for Verifiable Execution of Cyber-Physical Systems	National Science Foundation	\$600,000	3.0

Top New Projects (April 2024) - NIH

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Lee, Sunghye	SRC-Survey Methodology Prog	Improving Inclusivity of Alzheimer's Disease and Related Dementias Research for Asian Americans and Latinx through Nationally Representative Hybrid Sampling.	Health and Human Services, Department of-National Institutes of Health	\$4,915,928	4.8
Verhey, Kristen	MM Cell & Developmental Biology	Kinesin Motors and Microtubule-based Trafficking	Health and Human Services, Department of-National Institutes of Health	\$4,123,720	4.9
Klionsky, Daniel	Life Sciences Institute-Admin	The mechanism and regulation of autophagy	Health and Human Services, Department of-National Institutes of Health	\$3,871,445	5.0



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Top Monthly Awards

Top New Projects (April 2024) - DOD

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Grbic, Anthony	EECS - ECE - Rad	Perfectly-Matched Metamaterials	Defense, Department of-Air Force, Department of the	\$525,000	3.0
Tuteja, Anish	Materials Science & Engin.	A unified testing, evaluation, research, and development facility for ice- and snow-modulating materials.	Defense, Department of-Navy, Department of the	\$484,005	1.0
Marquis, Emmanuelle	Materials Science & Engin.	Harnessing solid-state transformation pathways in complex alloys	Defense, Department of-Air Force, Department of the	\$279,987	3.0

Top New Projects (April 2024) - DOE

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Cooper, Daniel	Mechanical Engineering	A Midwest Circular Economy in Automotive Extrusions through Innovations in Alloy Design for Recycling and Low-Energy Scrap Processing	Energy, Department of	\$1,600,000	1.5
Nikolla, Eranda	Chemical Engineering Dept	Support for U.S. Participants at the 18th International Congress on Catalysis	Energy, Department of	\$25,000	1.0



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Top Monthly Awards

Top New Projects (April 2024) - Industry

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Raiman, Stephen	Nuclear Eng & Radiological Sci	AN EXPERIMENTAL PROGRAM FORASSESSMENT, MEASUREMENT, AND MITIGATION OF CORROSION IN CHLORIDE SALT MELTS	TechSource, Inc.	\$1,429,190	1.0
Jia, Xianzhe	Climate and Space Sciences Eng	Particle Environment Package (PEP) for the ESA-led Jupiter Icy Moon Explorer (JUICE) Mission Phase E	The Johns Hopkins University Applied Physics Laboratory LLC	\$1,066,756	11.5
Cobain, Erin	MM Int Med-Hematology/Oncology	Phase 3, Open-Label, Randomized Study of Datopotamab Deruxtecan with or without Durvalumab Versus Investigator's Choice of Therapy in Patients with Stage I-III Triple Negative Breast Cancer who have Residual Invasive Disease in Breast and/or Axillary Lymph Nodes Following Neoadjuvant Systemic Therapy and Surgical Resection (TROPION-Breast03)	AstraZeneca AB	\$888,803	5.0

Top New Projects (April 2024) - Foundations

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
O'Brien, Elle	School of Information	Generative AI and the Future of Research Software	Sloan, Alfred P., Foundation	\$331,595	3.0
Lowande, Kenneth	CPS-Research	Enforcing Inequality: Do Federal Subsidies Disproportionately Militarize Police in Low-Income and Minority Communities?	Sage, Russell, Foundation	\$165,796	2.0
Yadlapalli, Swathi	MM Cell & Developmentl Biology	RNA as the Nexus Between Sleep and Neurodegeneration	Silicon Valley Community Foundation	\$100,000	1.5