



U-M RESEARCH AWARD AND EXPENDITURES REPORT  
JULY 2024

Received by the Regents  
July 18, 2024

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

Total research expenditures through the first eleven months of FY24 totaled \$1.82 billion, which is up 11.4 percent when compared to May 2023.

The number of research submissions through the first eleven months of FY24 was up 7.8 percent, and the value of those submissions increased by 15.5 percent when compared to May 2023.

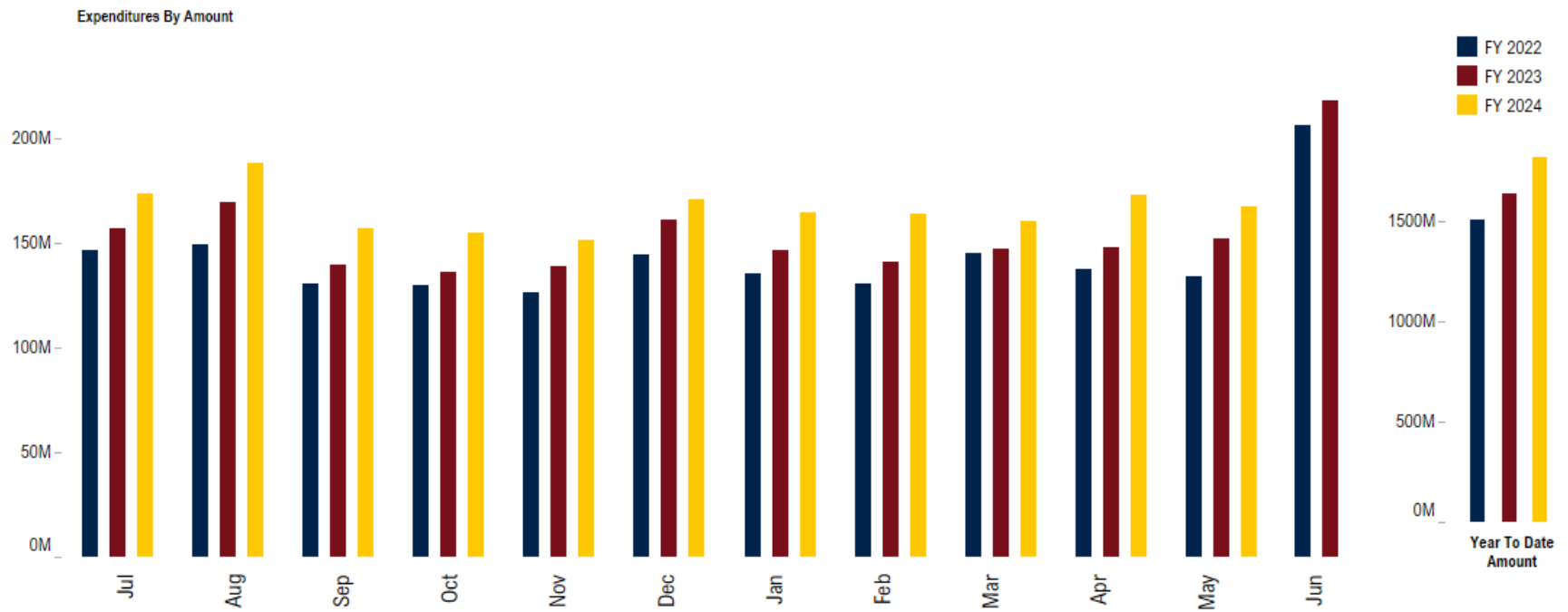
The number of new research awards from external sponsors through the first eleven months of FY24 was down 0.5 percent but their value increased 21.3 percent when compared to May 2023.

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



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## Expenditures



### Year to Date

FY22: \$1,511,159,319

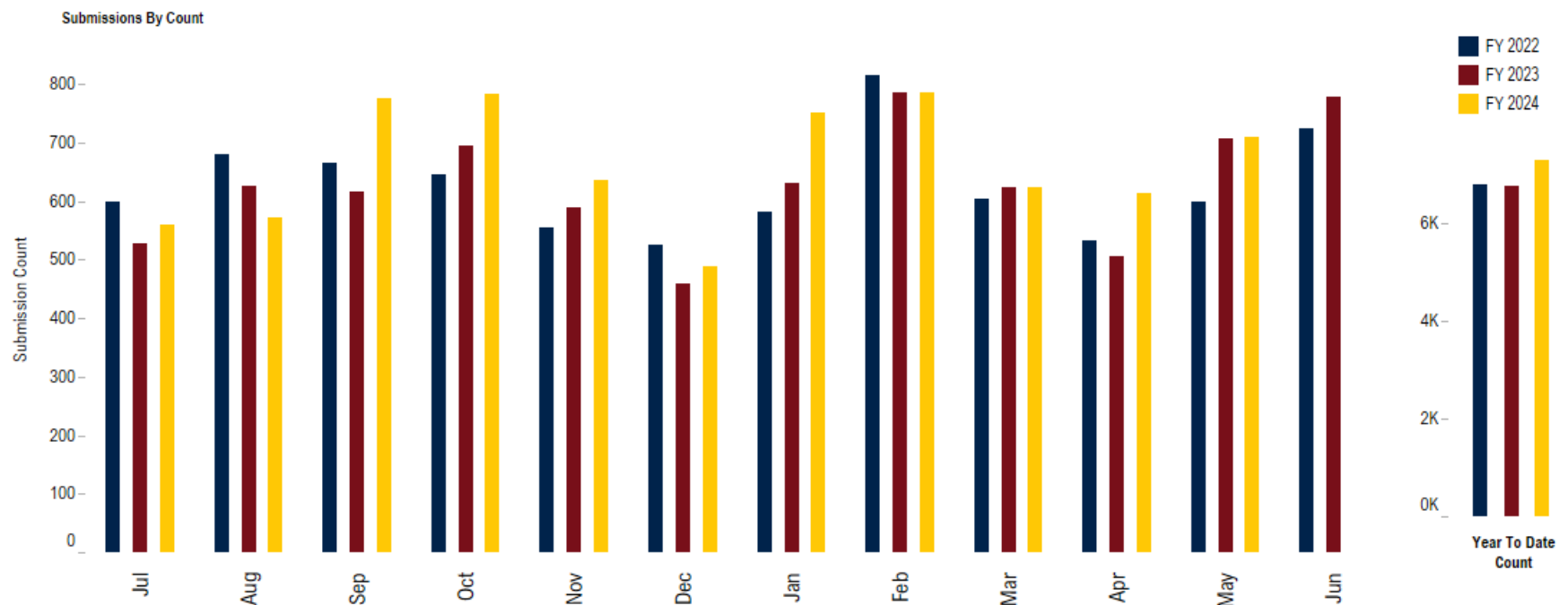
FY23: \$1,638,706,952

FY24: \$1,826,136,236



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## Submissions by Count



### YEAR TO DATE

FY22: 6,807

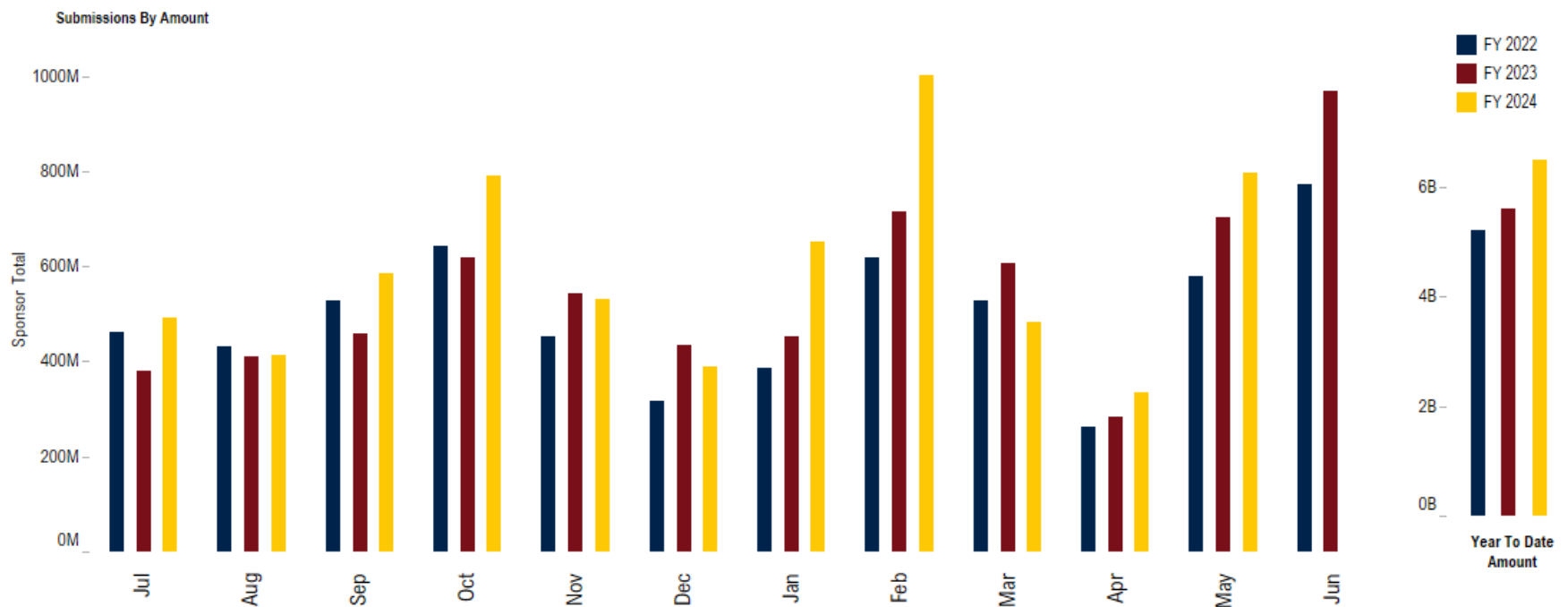
FY23: 6,770

FY24: 7,296



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## Submissions by Amount



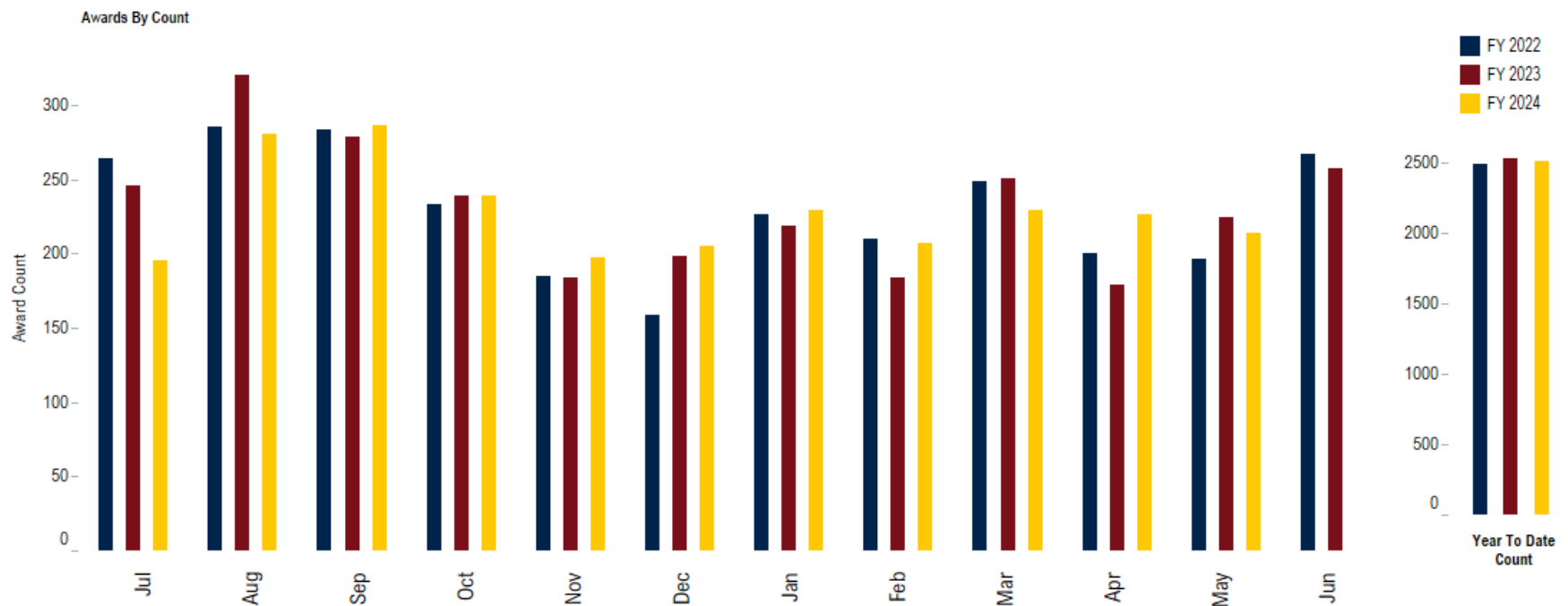
### YEAR TO DATE

FY22: \$5,209,972,429

FY23: \$5,606,528,933

FY24: \$6,475,891,923

### Awards by Count



#### YEAR TO DATE

FY22: 2,494

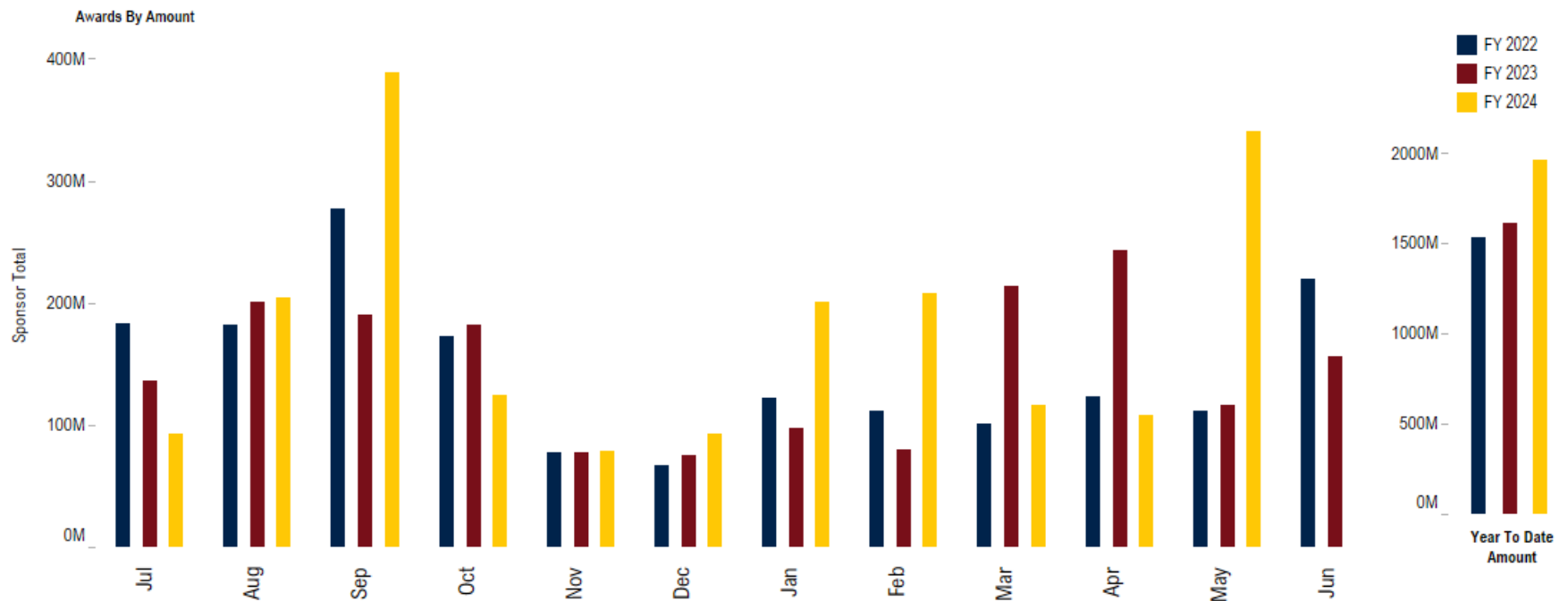
FY23: 2,526

FY24: 2,514

# M | RESEARCH

## U-M RESEARCH AWARD AND EXPENDITURES REPORT JULY 2024

### Awards by Amount



#### YEAR TO DATE

FY22: \$1,528,343,973

FY23: \$1,612,975,451

FY24: \$1,956,084,287



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## Top Monthly Awards

### Top New Projects (May 2024) - NSF

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Dick, Gregory	LSA Earth & Environmental Sci.	Great Lakes Center for Fresh Waters and Human Health	National Science Foundation	\$3,856,463	5.0
Pettersen, Claire	Climate and Space Sciences Eng	Collaborative Research: AGS-FIRP Track 3: Snow Sensitivity to Clouds in a Mountain Environment (S2noClIME)	National Science Foundation	\$1,795,958	3.0
Fazeli, Nima	CoE Robotics	CAREER: Dexterous Multimodal Object Manipulation and the Curious Case of Tactile Shadows	National Science Foundation	\$600,000	5.0
Willingale, Louise	EECS - ECE - USL	Measuring magnetic field dynamics generated by laser-driven electron beams in plasma channels	National Science Foundation	\$600,000	3.0

### Top New Projects (May 2024) - NIH

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Weir, David	SRC-Hrs	Health and Retirement Study: Yrs 35-40	Health and Human Services, Department of-National Institutes of Health	\$195,122,882	5.6
Smith, Albert	Biostatistics Department	Trans-Omics for Precision Medicine (TOPMed) Informatics Research Center (IRC)	Health and Human Services, Department of-National Institutes of Health	\$30,000,000	5.0
Marsh, Erica	MM Obstetrics & Gynecology Dpt	Partnering for Equity: An Academic and Community Alliance to Eliminate Disparities throughout the Fibroid Experience (PEACE)	Health and Human Services, Department of-National Institutes of Health	\$7,843,245	5.0



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## Top Monthly Awards

### Top New Projects (May 2024) - DOD

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Viswanathan, Venkat	Aerospace Engineering	Mechanistic Design of High-Capacity Cation-Rich Anion-Redox Cathodes with First-Principles Simulation, Compton Measurements and Scientific Machine Learning	Defense, Department of-Navy, Department of the	\$739,591	3.0
Huang, Xiaonan	CoE Robotics	Lightweight Soft Robotic Vehicles with Inflation-Based Locomotion	Defense, Department of-Navy, Department of the-Subcontracts	\$527,193	3.0
Gamba, Mirko	Aerospace Engineering	xGEO Robust and Adaptive space Domain AwaReness (xRADAR)	Defense, Department of-Air Force, Department of the-Subcontracts	\$325,000	2.0

### Top New Projects (May 2024) - DOE

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Zuo, Lei	Naval Arch & Marine Dept	Additive Manufacturing of Nanocrystalline Enhanced Magnetic Materials for Electrical Motors	Energy, Department of	\$2,600,247	1.6





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### Top Monthly Awards

#### Top New Projects (May 2024) - Industry

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Fecher, Leslie	MM Int Med-Hematology/Oncology	A Phase 3, Randomized, Double-Blind, Placebo- and Active-Comparator-Controlled Clinical study of Adjuvant V940 (mRNA-4157) Plus Pembrolizumab Versus Adjuvant Placebo Plus Pembrolizumab in Participants With High-Risk Stage II-IV Melanoma	Merck Sharp & Dohme LLC (fka Merck Sharp & Dohme Corp.)	\$2,431,381	5.0
Wong, Ka Kit	MM Department of Radiology	Phase 1b/3 global, randomized, controlled, open-label trial comparing treatment with actinium Ac 225 dotatate (RYZ101) to standard of care (SoC) therapy in subjects with inoperable, advanced, somatostatin receptor expressing (SSTR+), well-differentiated gastro-enteropancreatic neuroendocrine tumors (GEP-NETs) that have progressed following prior tre..	RayzeBio, Inc.	\$1,821,792	7.0
Leung, Denise	MM Neurology Department	A Phase 1, Safety Lead-in and Randomized, Open-label, Perioperative Study of Vorasidenib in Combination with Pembrolizumab in Subjects with Recurrent or Progressive Enhancing IDH-1 Mutant Astrocytomas	Servier Bio-Innovation LLC	\$1,111,435	9.9

#### Top New Projects (May 2024) - Foundations

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Pratt, Kerri	LSA Chemistry	The Quest to Discover New Chemical Reaction Mechanisms of the Atmosphere	Ross M Brown Family Foundation	\$2,000,000	5.0
Tsou, Eliza	MM Int Med-Rheumatology	Endothelial senescence in the pathogenesis of systemic sclerosis	Leo Foundation	\$576,319	3.0
Quinn, Camille	School of Social Work	Capacity Building and Partnerships with SJC Racial Equity Cohorts: A Renewal Proposal	John D. and Catherine T. MacArthur Foundation	\$500,000	2.0