

U-M RESEARCH AWARD AND EXPENDITURES REPORT  
MARCH 2023

This report summarizes the overall trends in grant and contract activity across all three campuses of the University of Michigan through the first seven months of Fiscal Year 2023, which ended January 31.

Research expenditures through the first seven months of FY23 totaled \$1.05 billion, which is up 9 percent when compared to the first seven months of FY22.

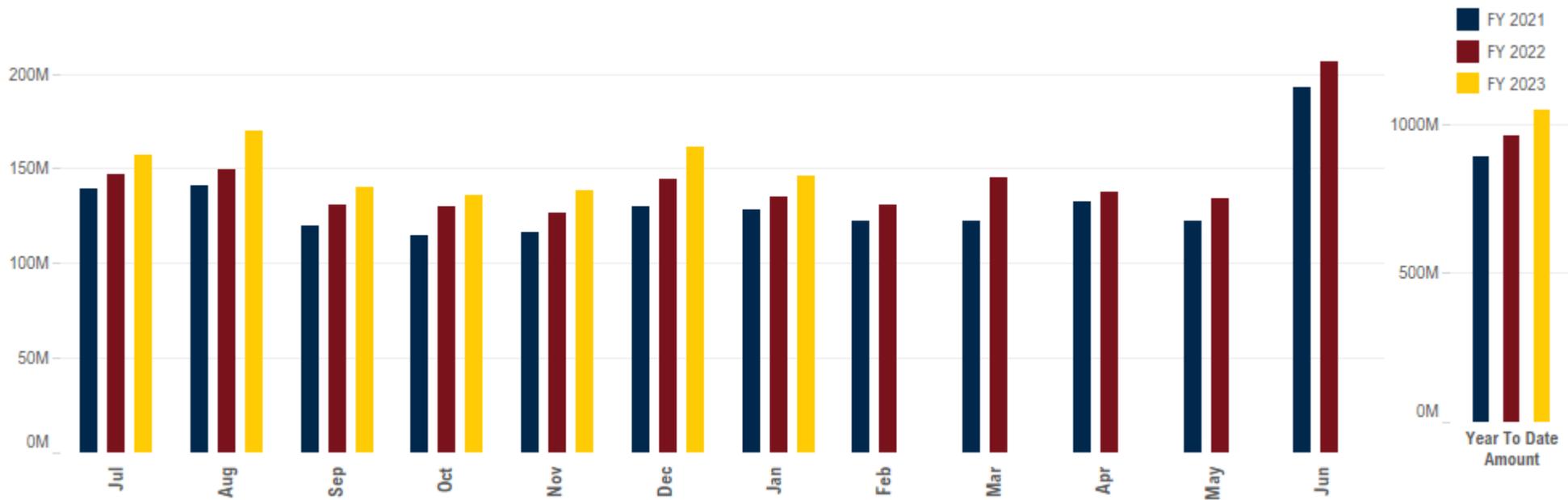
The number of research submissions through the first seven months of FY23 was down 2.5 percent, but the value of those submissions increased 2.7 percent when compared to January 2022.

The number of new research awards from external sponsors through the first seven months of FY23 increased 3.2 percent, but their value decreased 12.7 percent when compared to January 2022.

Rebecca Cunningham, Vice President for Research

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

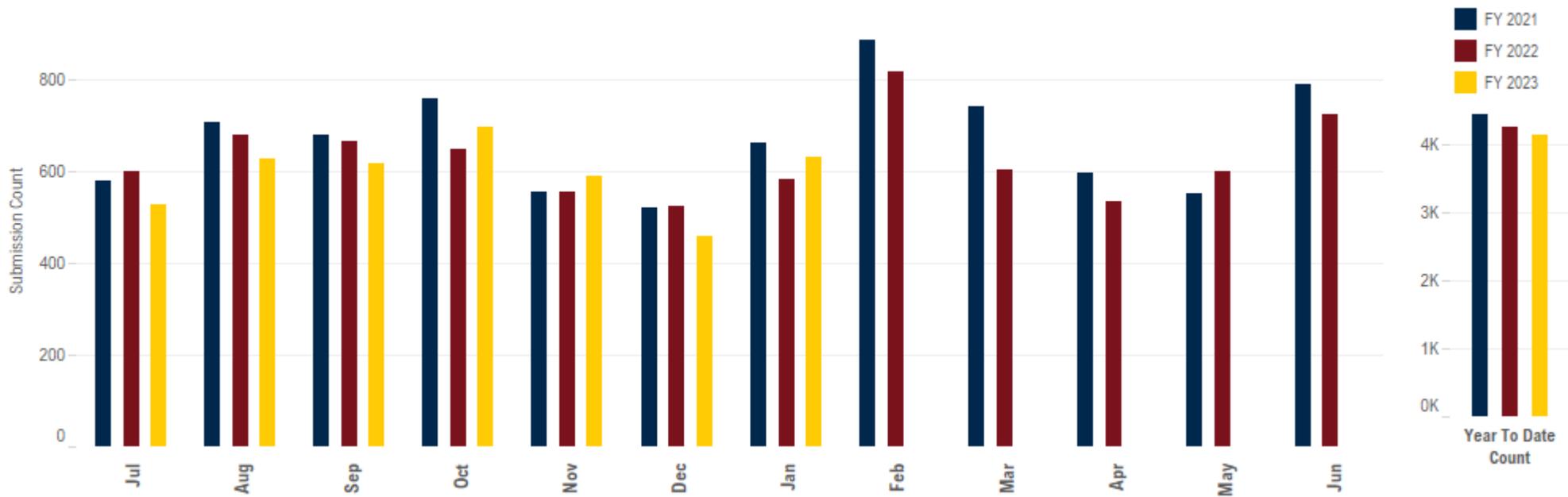
### Expenditures



### Year to Date

FY21: \$890,587,620  
FY22: \$ 963,372,185  
FY23: \$1,049,992,879

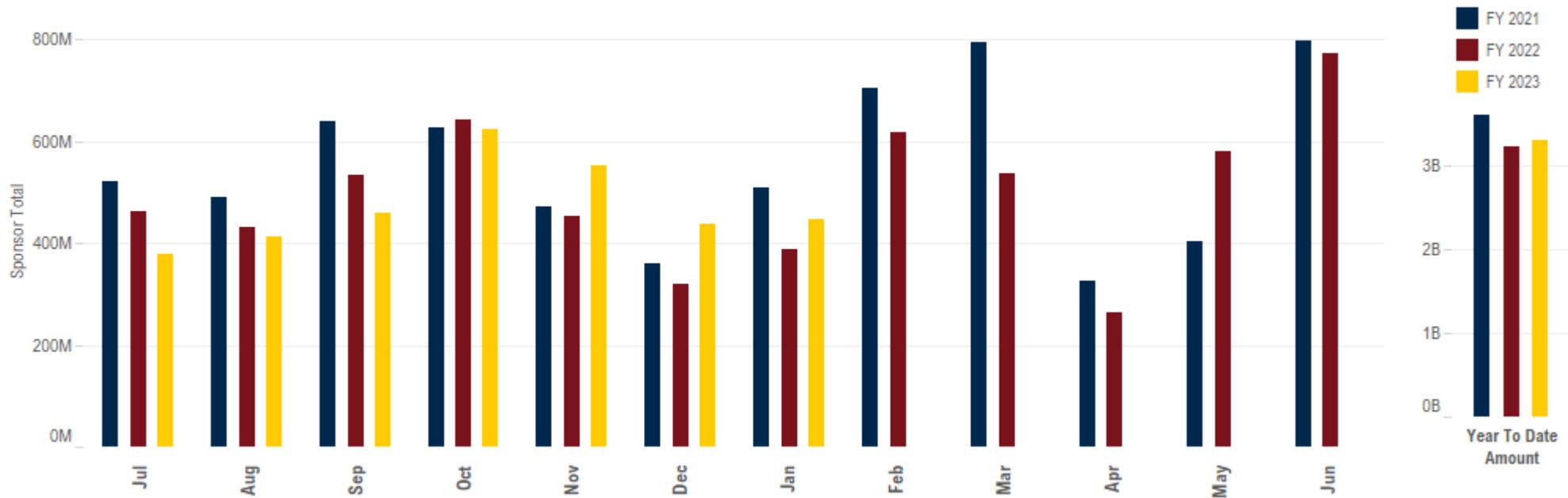
### Submissions by Count



### Year to Date

FY21: 4,459  
FY22: 4,254  
FY23: 4,146

## Submissions by Amount



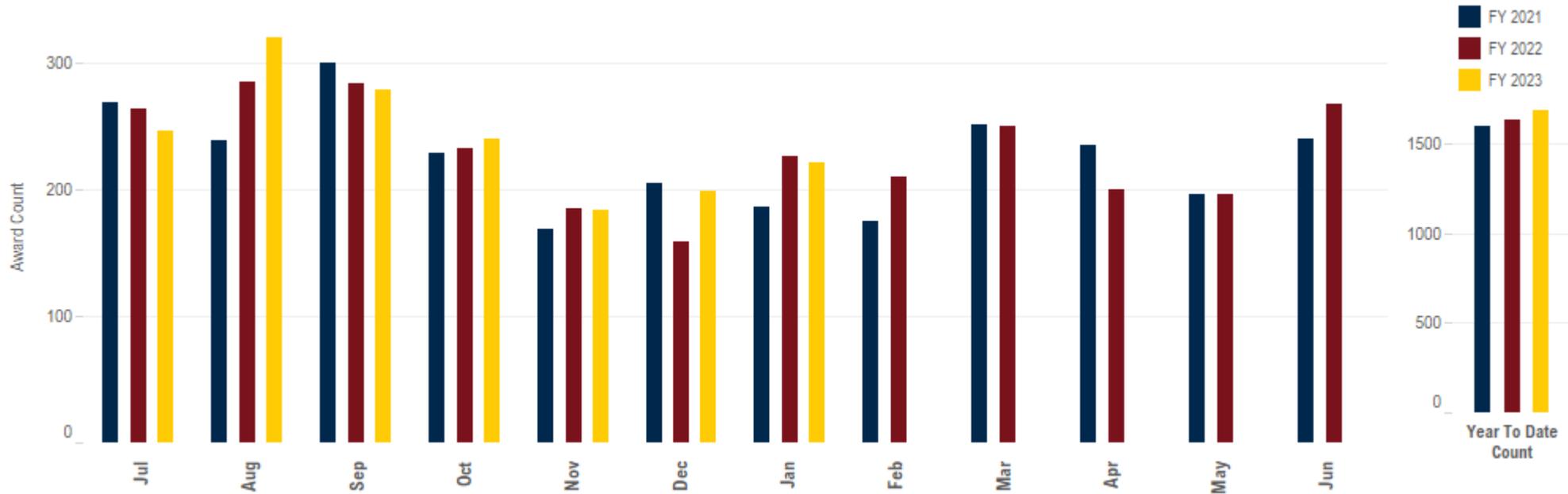
### Year to Date

FY21: \$3,616,897,790

FY22: \$3,227,183,553

FY23: \$3,315,530,189

## Awards by Count



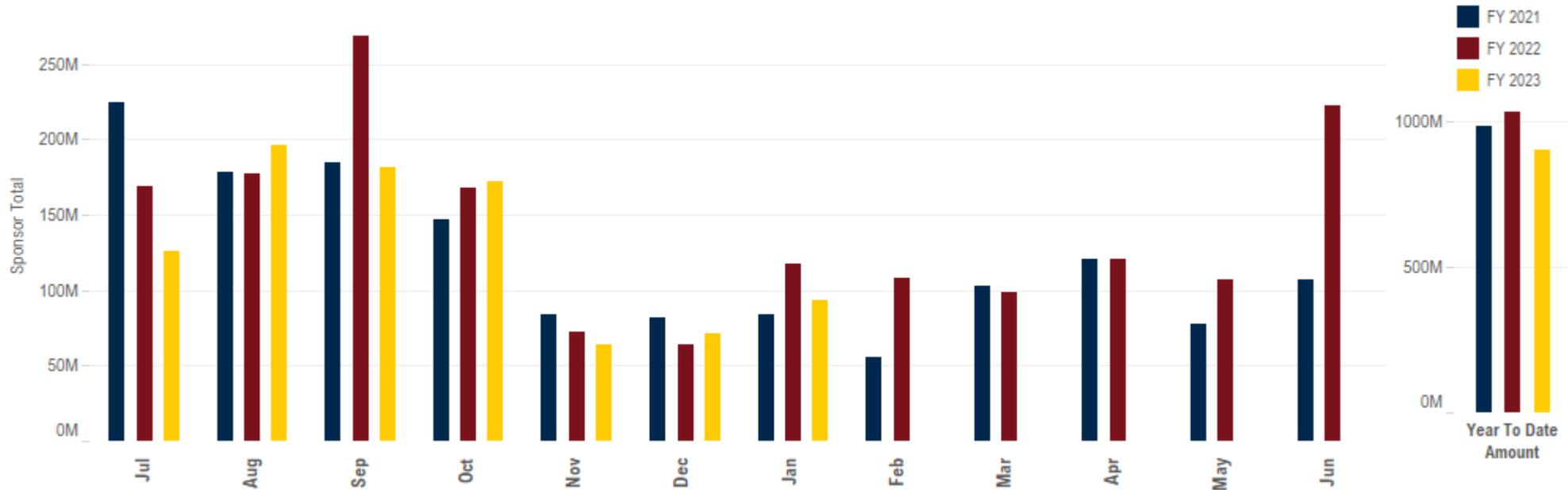
### Year to Date

FY21: 1,597

FY22: 1,638

FY23: 1,690

## Awards by Amount



### Year to Date

FY21: \$984,248,667  
 FY22: \$1,036,055,082  
 FY23: \$904,498,532

## Top Monthly Awards

### National Science Foundation

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Cernak, Timothy	PHARMACY Medicinal Chemistry	CAREER: Merging Graph Theory and Automation for Chemical Synthesis	National Science Foundation	\$770,000	5.0
Lee, Euiwoong	EECS - CSE - Theory	CAREER: Towards Optimal Approximabilities for Clustering	National Science Foundation	\$650,000	5.0
Saranurak, Thatchaphol	EECS - CSE - Theory	CAREER: Theory for Dynamic Graph Algorithms	National Science Foundation	\$650,000	5.0
Omar, Cyrus	EECS - CSE - IS	CAREER: Live and Direct Programming Environments	National Science Foundation	\$550,000	5.0
Truong, Linh	LSA Mathematics	CAREER: Heegaard Floer homology and low-dimensional topology	National Science Foundation	\$550,000	5.0

### National Institutes of Health

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Colacino, Justin	Environmental Health Sciences	Developmental Exposures, Stem Cell Reprogramming, and Breast Cancer Disparities	Health and Human Services, Department of-National Institutes of Health	\$3,098,518	4.8
Mitchell, Colter	SRC-Pop., Neurodev., & Genet	The longitudinal impact of the COVID-19 pandemic and related multi-level mitigation and contextual factors on health and socioeconomic outcomes of individuals and families from a vulnerable population	Health and Human Services, Department of-National Institutes of Health	\$3,044,940	4.6
Meier, Helen	SRC-Pop., Neurodev., & Genet	The impact of redlining and place-based systemic racism on health inequalities at mid-life	Health and Human Services, Department of-National Institutes of Health	\$2,979,468	5.0

### Top Monthly Awards

#### Department of Defense

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Flynn, Michael	COE EECS - ECE - SSEL	Digitally Assisted CMOS Relaxation Oscillator based Quantum inspired computing (DACROQ)	Defense, Department of-Air Force, Department of the	\$653,805	1.0
Gates, Deanna	School of Kinesiology	Assessment of the control and utility of multi-grip prosthetic hands	Defense, Department of-Army, Department of the	\$349,059	2.0
Oconnor, Caitlin	MM Int Med-Genetic Medicine	Determining a role for PP2A in the development and treatment of endometriosis	Defense, Department of-Army, Department of the	\$312,000	2.0

#### Department of Energy

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Wooldridge, Margaret	Mechanical Engineering	REMEDY using SABRE	Energy, Department of	\$2,278,401	3.0
McCroy, Charles	LSA Chemistry	Center for Closing the Carbon Cycle (4C)	Energy, Department of	\$620,000	4.0

## Top Monthly Awards

### Industry

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Qin, Angel	MM Int Med-Hematology/Oncology	A PHASE I-III, MULTICENTER STUDY EVALUATING THE EFFICACY AND SAFETY OF MULTIPLE THERAPIES IN COHORTS OF BIOMARKER-SELECTED PATIENTS WITH LOCALLY ADVANCED, UNRESECTABLE STAGE III NON-SMALL CELL LUNG CANCER	F. Hoffmann-La Roche Ltd	\$1,608,339	10.0
Turnier, Jessica	MM Pediatrics-Rheumatology	A single-cell atlas to accelerate precision medicine in JDM	Chan Zuckerberg Initiative (CZI), LLC	\$1,600,000	2.0
Yu, Stella	EECS - CSE Division	DARPA Fiddler Program	Signature Wall Solutions, LLC	\$1,271,620	1.2

### Nonprofits

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Cole, Elizabeth	LSA Natl Ctr Inst Diversity	Capacity Partner Support for PoS Ecosystem – Leadership Capacity	Bill and Melinda Gates Foundation	\$1,200,000	3.2
Hampstead, Benjamin	MM Psychiatry-Neuropsychology	Use of the KF Modified Story Memory Technique to Improve New Learning and Memory in Individuals with Mild Cognitive Impairment	Kessler Foundation	\$1,044,685	4.7
Fryberg, Stephanie	LSA Psychology	Flexible Support to RISE	John D. and Catherine T. MacArthur Foundation	\$500,000	3.0
Girdwood, John	Flint Educational Opportunity	Promise Scholars- Mott	Charles Stewart Mott Foundation	\$500,000	4.0