

U-M RESEARCH AWARD AND EXPENDITURES REPORT  
SEPTEMBER 2022

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

Total research expenditures through the first month of FY23 totaled \$156 million, which is up 7 percent when compared to the first month of FY22.

The number of research submissions through the first month of FY23 was down 11.9 percent, and the value of those submissions decreased 17.2 percent when compared to the first month of FY22.

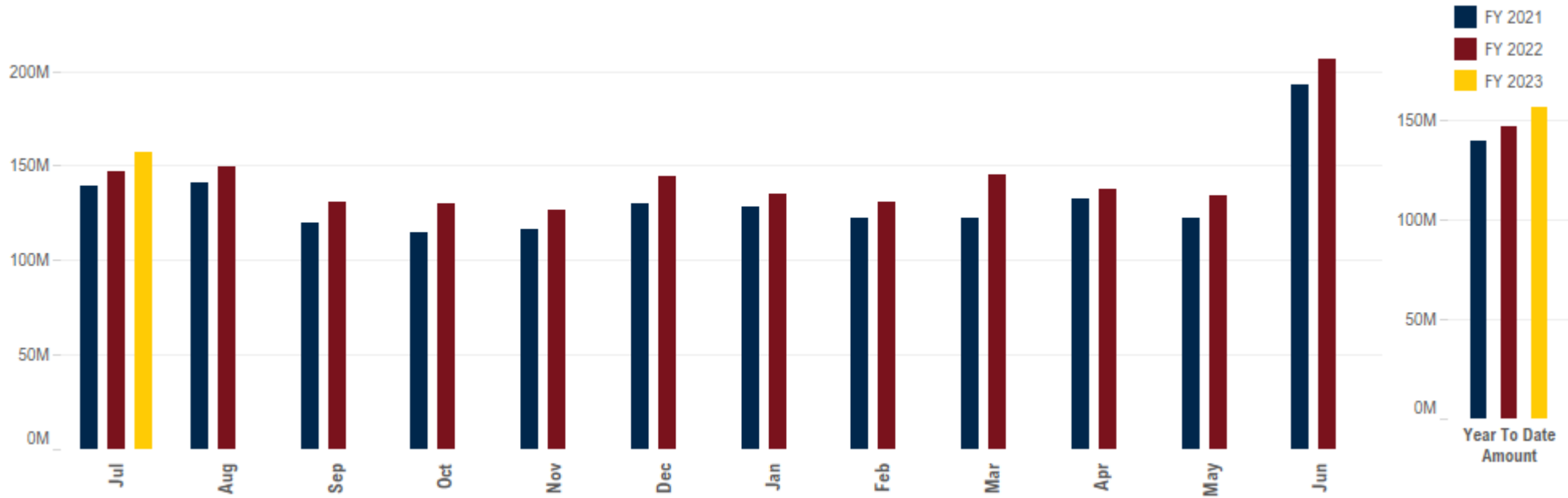
The number of new research awards from external sponsors through the first month of FY23 decreased 6.8 percent, and their value decreased 25.8 percent when compared to July 2021.

Rebecca Cunningham, Vice President for Research

Craig Reynolds, Assistant Vice President for Research - Sponsored Projects

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

## Expenditures



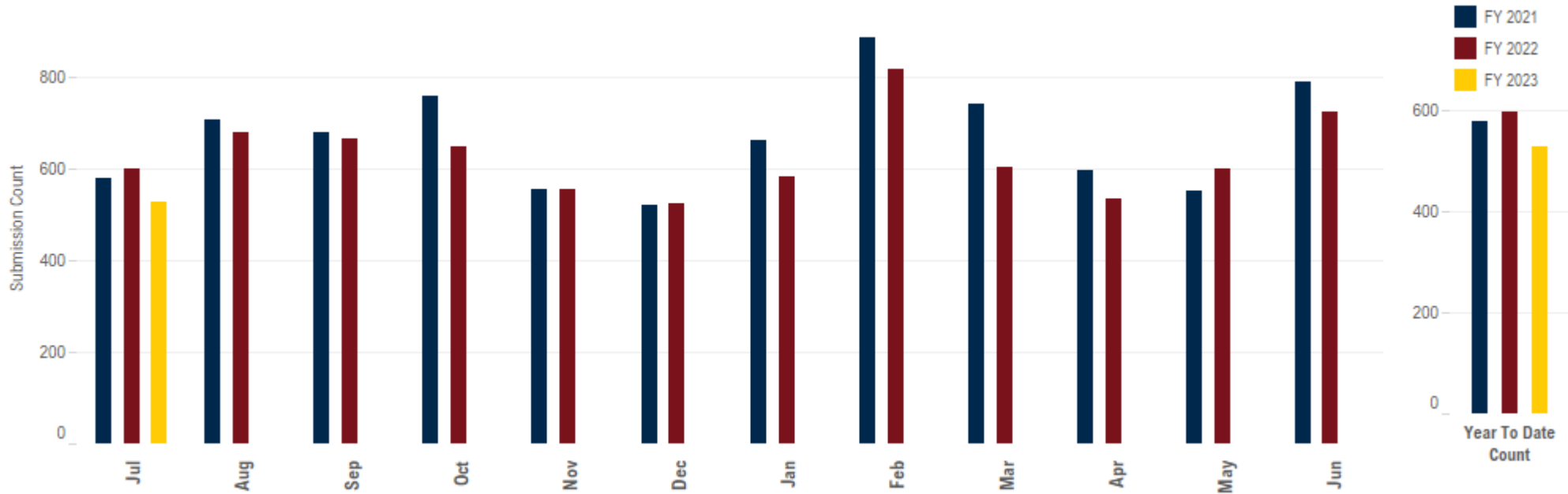
### Year to Date

FY20: \$139,742,982

FY21: \$146,673,129

FY22: \$156,976,696

## Submissions by Count



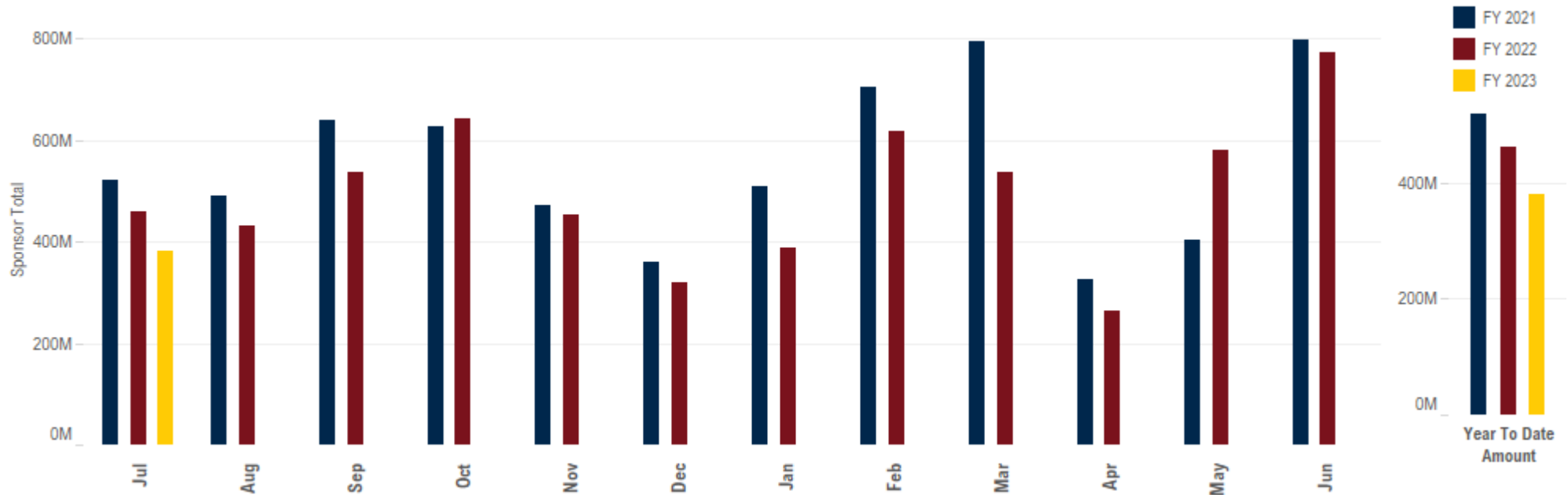
### Year to Date

FY20: 579

FY21: 599

FY22: 528

## Submissions by Amount



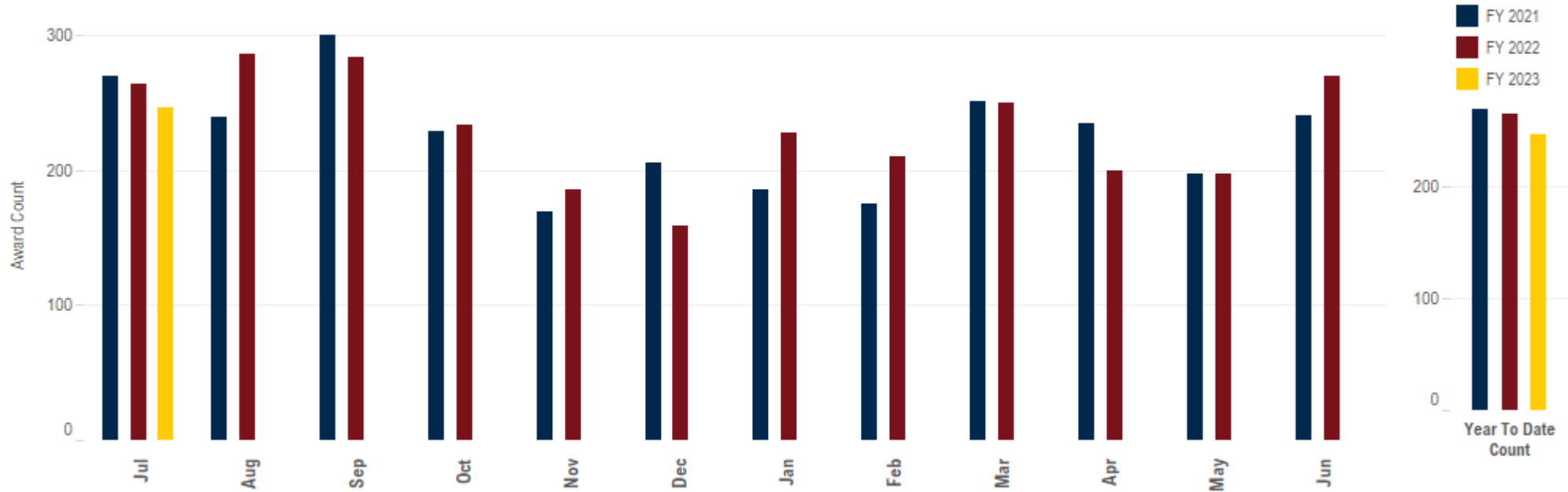
### Year to Date

FY20: \$520,145,152

FY21: \$460,693,550

FY22: \$381,467,731

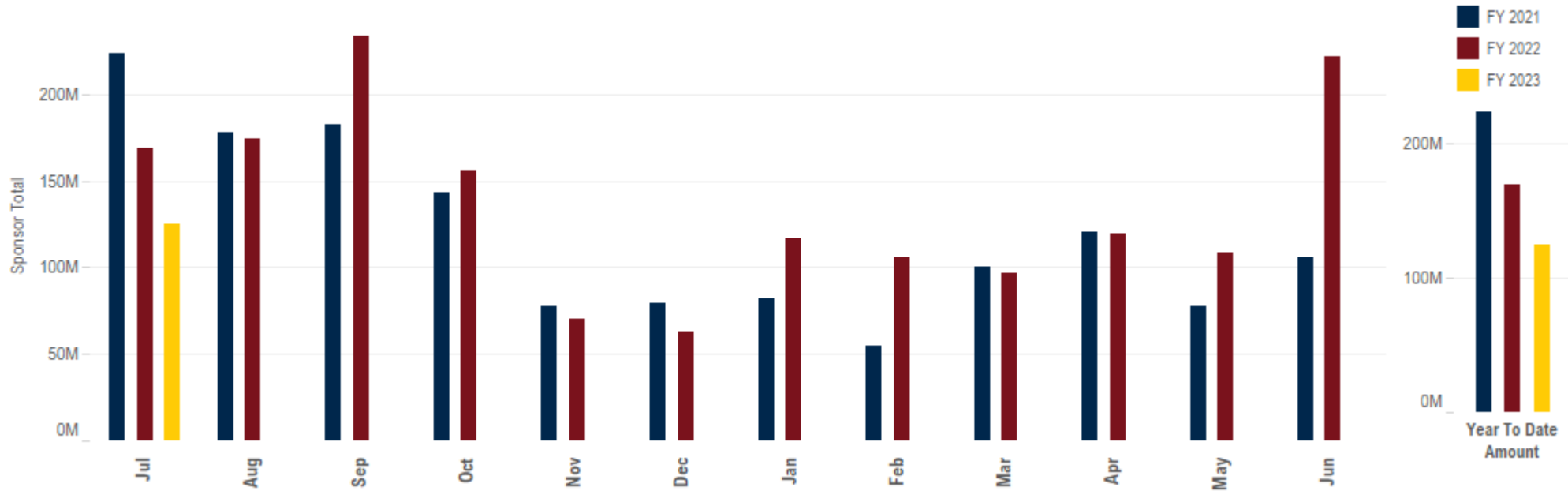
### Awards by Count



### Year to Date

FY20: 269  
FY21: 264  
FY22: 246

## Awards by Amount



### Year to Date

FY20: \$224,033,052

FY21: \$168,782,347

FY22: \$125,163,195

# Top Monthly Awards

## National Science Foundation

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Valentino, Nicholas	CPS-Research	The 2024 American National Election Studies (ANES)	National Science Foundation	\$13,999,656	4.0
Smith, Stephen	LSA Ecology & Evolutionary Bio	IntBIO COLLABORATIVE RESEARCH: Integrating fossils, genomics, and machine learning to reveal drivers of Cretaceous innovations in flowering plants	National Science Foundation	\$1,031,115	3.0
Sension, Roseanne	LSA Chemistry	Visualizing Ultrafast Chemical Reaction Dynamics	National Science Foundation	\$525,000	3.0
Szymczak, Nathaniel	LSA Chemistry	Design of Lewis-Acid Appended Catalysts for Cooperative Activation	National Science Foundation	\$525,000	3.0

## National Institutes of Health

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Puthenveedu, Manoj	MM Cellular Molecular Bio Grad	Cellular and Molecular Biology at Michigan	Health and Human Services, Department of-National Institutes of Health	\$4,162,895	5.0
Eisenberg, Joseph	Epidemiology Department	Zoonotic Uropathogenic Escherichia coli in Northwest Ecuador: Incidence and Risk Factors	Health and Human Services, Department of-National Institutes of Health	\$3,586,362	5.0
Mobley, Harry	MM Microbiology and Immunology	E. coli virulence gene expression in clinical UTIs in women	Health and Human Services, Department of-National Institutes of Health	\$3,494,948	5.0

### Top Monthly Awards

#### Department of Defense

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Shin, Kang	EECS - CSE - SYSTEMS	Achieving the Security and Reliability of Semi-Autonomous Cyber-Physical Systems	Defense, Department of-Navy, Department of the	\$828,263	3.0
Shorter, K Alex	Mechanical Engineering	Integration and field evaluation of the next generation high-fidelity sound and movement tags to investigate behavioral response	Defense, Department of-Navy, Department of the	\$551,060	2.7
Arruda, Ellen	Mechanical Engineering	Self-triggered reconfigurable composite topological mechanical metamaterials	Defense, Department of-Navy, Department of the	\$473,720	1.0





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# Top Monthly Awards

## Industry

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Krauss, John	MM Int Med-Hematology/Oncology	daNIS-3: An open-label, multi-center, phase II platform study evaluating the efficacy and safety of NIS793 and other new investigational drug combinations with standard of care (SOC) anti-cancer therapy for the second line treatment of metastatic colorectal cancer (mCRC)	Novartis Pharmaceuticals Corporation	\$2,084,655	3.7
Stein, Joshua	MM Ophthal. & Visual Science	Study of the Natural History and Burden of Disease for Patients with X-Linked Retinitis Pigmentosa	Janssen Scientific Affairs, LLC	\$1,683,813	2.2
Gudjonsson, Johann	MM Dermatology Department	ETHNIC DIFFERENCES IN MECHANISM OF ACTION TO DUPILUMAB	Regeneron Pharmaceuticals, Inc.	\$1,343,588	1.8

## Nonprofits

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Clark, Zoe	Michigan Radio	Criminal Justice Reporting in Michigan	Public Welfare Foundation, Inc.	\$200,000	2.0
Mueller-Smith, Michael	Pop Studies-Research	Children and the US Justice System	Casey, Annie E., Foundation	\$150,000	1.0
Pasek, Josh	CPS-Research	Reducing Racial Polarization in Reactions to Police Use of Force: Identifying Mechanisms and Testing Interventions	Sage, Russell, Foundation	\$146,215	2.0