

This report summarizes the overall trends in grant and contract activity across all three campuses of the University of Michigan through the first half of Fiscal Year 2020, which ended December 31, 2019.

Figure 1 shows that total research expenditures through the first half of FY 2020 are up 4.9 percent when compared to the previous fiscal year. The number of research submissions through December has increased 6.1 percent, as shown in Figure 2, and Figure 3 shows the value of those submissions are up 31.9 percent when compared to FY2019, which can be attributed to more substantial requests for research funding.

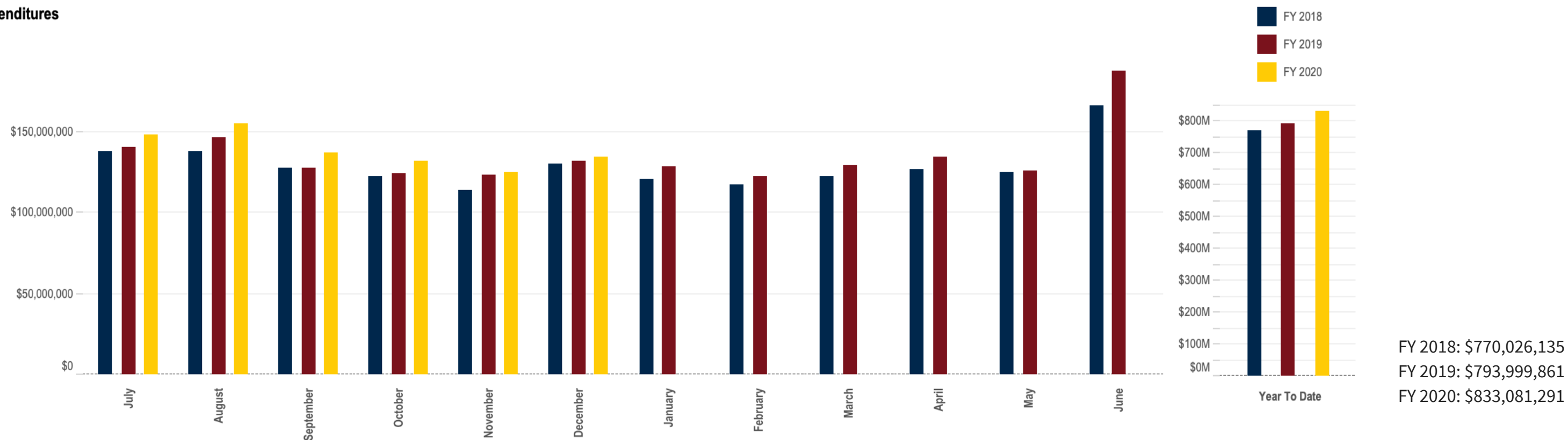
Figures 4 and 5* show the number of new research awards from external sponsors are down 3.2 percent, and their value has dipped by 13.9 percent. The university received several large research awards in early FY 2019, which explains the decrease in award value.

Rebecca Cunningham, Interim Vice President for Research

Craig Reynolds, Executive Director, Office of Research and Sponsored Projects

Figure 1

Expenditures



* Due to an August 2018 change in how awards are managed in the university's eResearch system, new award counts and amounts are now reported on a per project basis rather than per transaction basis. The differences in award counts and amounts before and after FY2019 can be partly attributed to this change to project-based reporting.

Figure 2

Submissions By Count

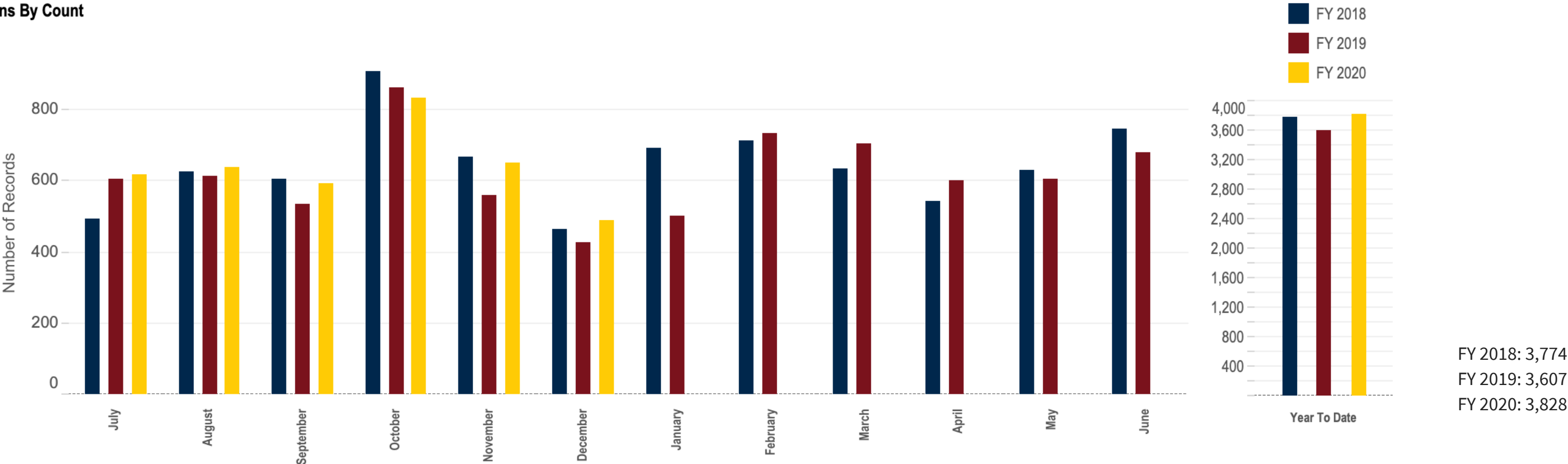


Figure 3

Submissions By Amount

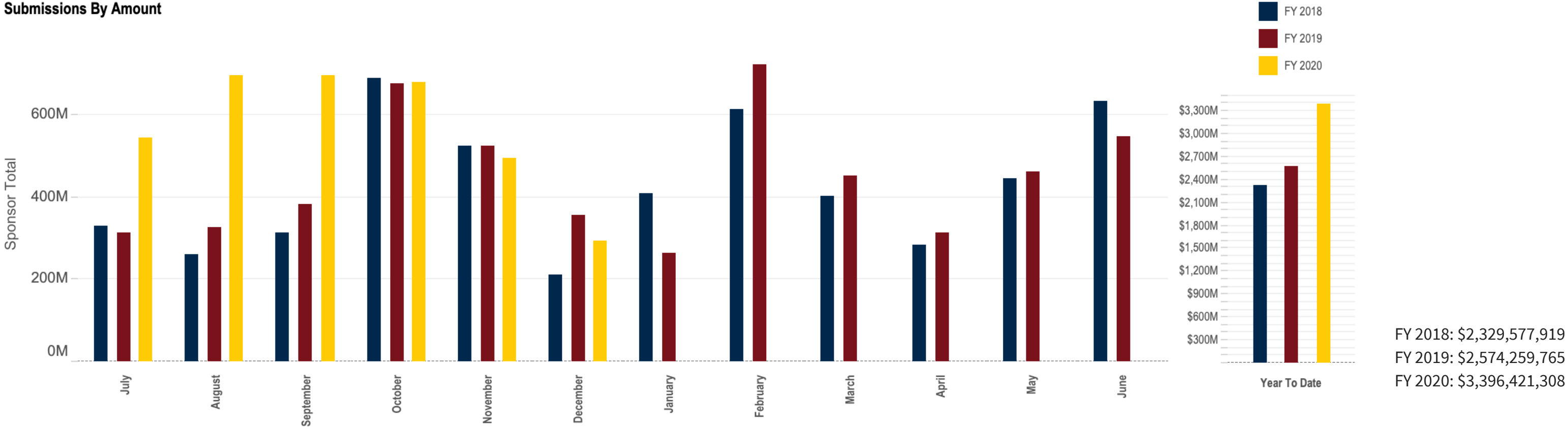


Figure 4

Awards By Count

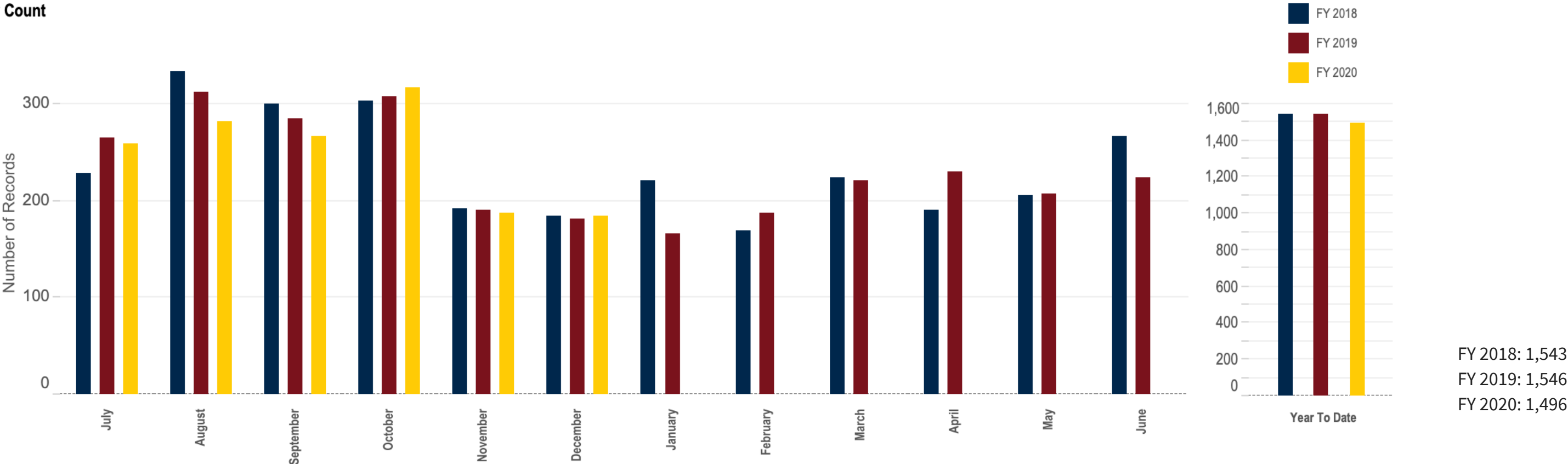
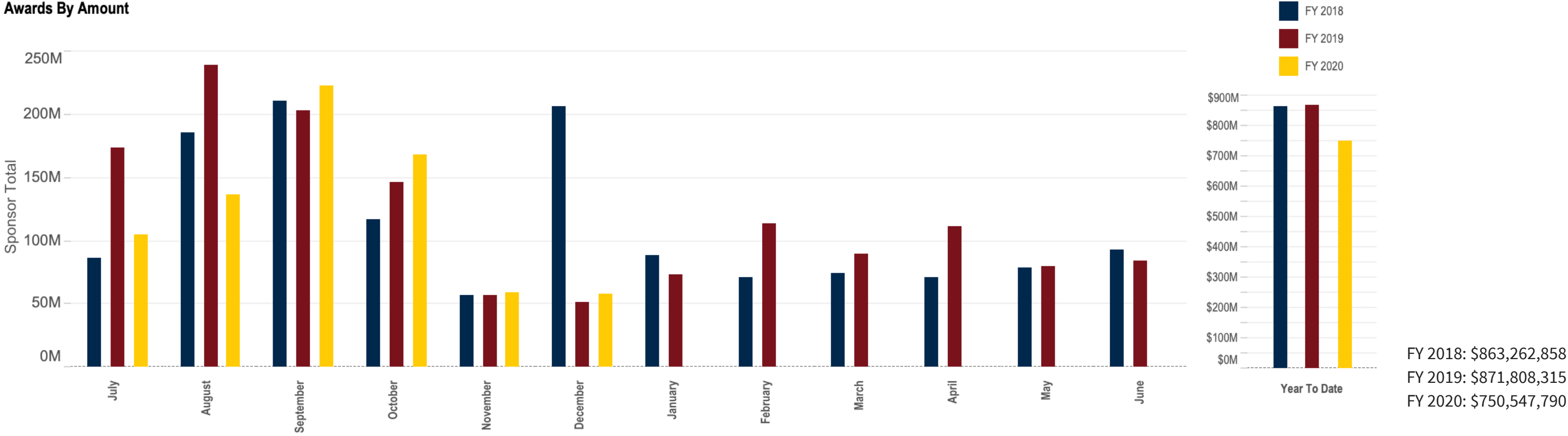


Figure 5

Awards By Amount



* Due to an August 2018 change in how awards are managed in the university's eResearch system, new award counts and amounts are now reported on a per project basis rather than per transaction basis. The differences in award counts and amounts before and after FY19 can be partly attributed to this change to project-based reporting.

Figure 6

20 Largest Project Awards: December 2019

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Collins, Kathleen	Int Med-Infectious Diseases	Integrative Single-Cell Analysis of Transcriptome, Epigenome, and Lineage in HIV Latency and Activation	Health and Human Services, Department of-National Institutes of Health	\$3,360,219	5.0
Sandoval, Darleen	Surgery Department	Mechanisms of Post-Bariatric Hypoglycemia	Health and Human Services, Department of-National Institutes of Health	\$2,797,710	3.9
Grembecka, Jolanta	Pathology Department	Development of ASH1L inhibitors for acute leukemia	Health and Human Services, Department of-National Institutes of Health	\$2,794,628	5.0
Wexler, Lisa	RCGD-General Research	Promoting Community Conversations about Research to end Native Youth Suicide in Rural Alaska	Health and Human Services, Department of-National Institutes of Health	\$2,567,320	3.3
Chang, Soo-Eun	Psychiatry Child Services	Neural oscillations underlying speech perception and production in childhood stuttering	Health and Human Services, Department of-National Institutes of Health	\$2,348,397	5.0
King, Philip	Microbiology and Immunology	Molecular pathogenetic mechanisms in CM-AVM	Health and Human Services, Department of-National Institutes of Health	\$2,159,632	3.9
Hawley, Sarah	Int Med-General Medicine	Improving Patient-Centered Communication in Breast Cancer: A RCT of a Shared Decision Engagement System (ShaDES)	Health and Human Services, Department of-National Institutes of Health	\$2,144,286	5.0
Zivin, Kara	Psychiatry Depression Center	Michigan's Section 1003 SUD Demonstration Project to Increase Substance Use Disorder Provider Capacity	Michigan, State of, Health and Human Services, Department of	\$2,009,511	0.9
Weiss, Stephen	Life Sciences Institute-Admin	Function of Membrane Type Matrix Metalloproteinase	Health and Human Services, Department of-National Institutes of Health	\$1,852,500	5.0
Xu, Shawn	Life Sciences Institute-Admin	Neural and genetic mechanisms underlying mechanosensation in C. elegans	Health and Human Services, Department of-National Institutes of Health	\$1,816,870	5.0
Gadgeel, Shirish	Int Med-Hematology/ Oncology	SMARTPLUS-106: Debio 1143 a SMAC Mimetic in Combination with Nivolumab in Patients Failing Prior PD-1/PD-L1 Treatment: A Basket Trial	Debiopharm International SA	\$1,720,137	5.0
Alam, Hasan	GSA - Acute Care Surgery (ACS)	MTEC-17-08 Multi-Topic-0340: The Effects of Complete and Partial Resuscitative Endovascular Balloon Occlusion of the Aorta (REBOA) with Pharmacologic Treatment in S..	Medical Technology Enterprise Consortium	\$1,607,524	2.1
Vecchiarelli, Anthony	LSA Molec./Cell./Develop. Bio	CAREER: ATP-driven Spatial Regulation of a Biomolecular Condensate in Bacteria	National Science Foundation	\$1,300,000	5.0
Mitchell, Colter	SRC-Pop., Neurodev., & Genet	Biological and social mediators of child wellbeing among ethnic groups in Fragile Families	Health and Human Services, Department of-National Institutes of Health-Subcontracts	\$1,141,734	5.0
Hoelter, Lynette	ICPSR - Business and Collectio	GMS Data Phase 2	Gates, Bill and Melinda, Foundation	\$1,062,539	10.0
Mueller, Jacob	Human Genetics Department	CAREER: Dose-dependent Genetic Mechanisms Driving X versus Y Chromosomal Conflict	National Science Foundation	\$1,020,236	5.0
Ye, Jing Christine	Int Med-Hematology/ Oncology	Phase 2 Study with Minimal Residual Disease (MRD) driven adaptive strategy in treatment for newly diagnosed multiple myeloma with upfront daratumumab-based therapy	Janssen Scientific	\$1,008,366	5.1
Rajapakse, Indika	Comp Med and Bioinformatics	Robust AI Guided by the Immune System	Defense, Department of-Defense Advanced Research Projects Agency (DARPA)	\$938,302	1.5
Landi, Enrico	Climate and Space Sciences Eng	Understanding solar wind acceleration from global models, remote sensing and in-situ observations	National Aeronautics and Space Administration	\$874,870	4.0
Mezuk, Briana	Epidemiology Department	Summer Training Program in Integrative Methods for Mental and Physical Health	Health and Human Services, Department of-National Institutes of Health	\$863,983	4.0