

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

Figure 1 shows that total research expenditures through the fourth month of FY 2020 are up 6.3 percent when compared to the previous fiscal year. The number of research submissions through October increased 2.3 percent, as shown in Figure 2, and Figure 3 shows the value of those submissions jumped 53.9 percent when compared to October 2018, which can be attributed to more substantial requests for research funding.

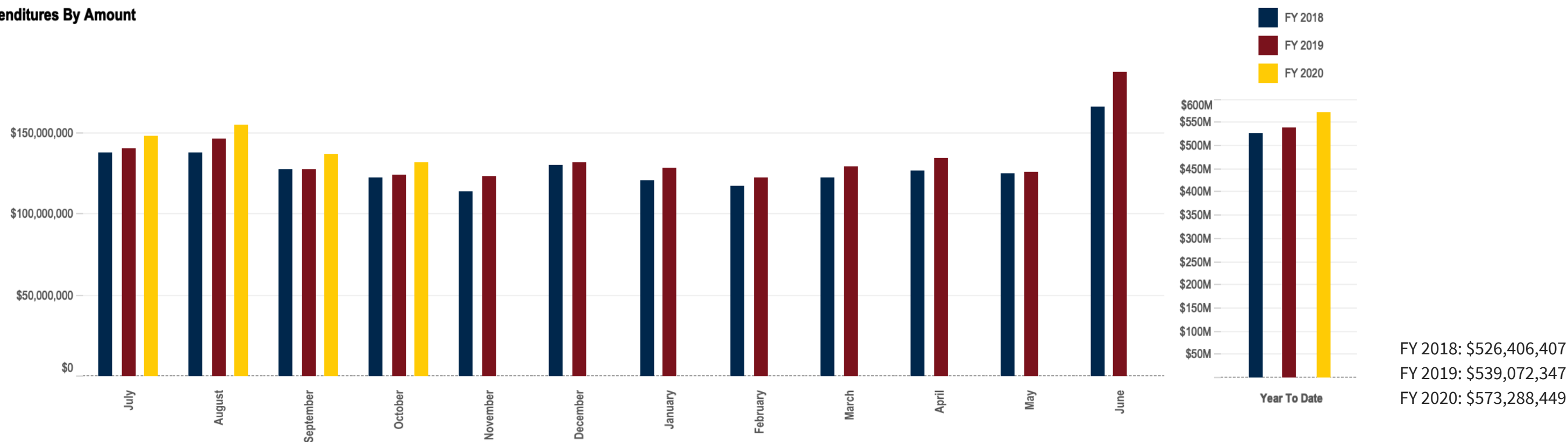
Figures 4 and 5* show the number of new research awards from external sponsors decreased 4.2 percent, and their value dipped by 17 percent. The university received several large research awards in early FY 2019, which explains the decrease in award value.

Rebecca Cunningham, Interim Vice President for Research

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

Figure 1

Expenditures 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 2

Submissions By Count

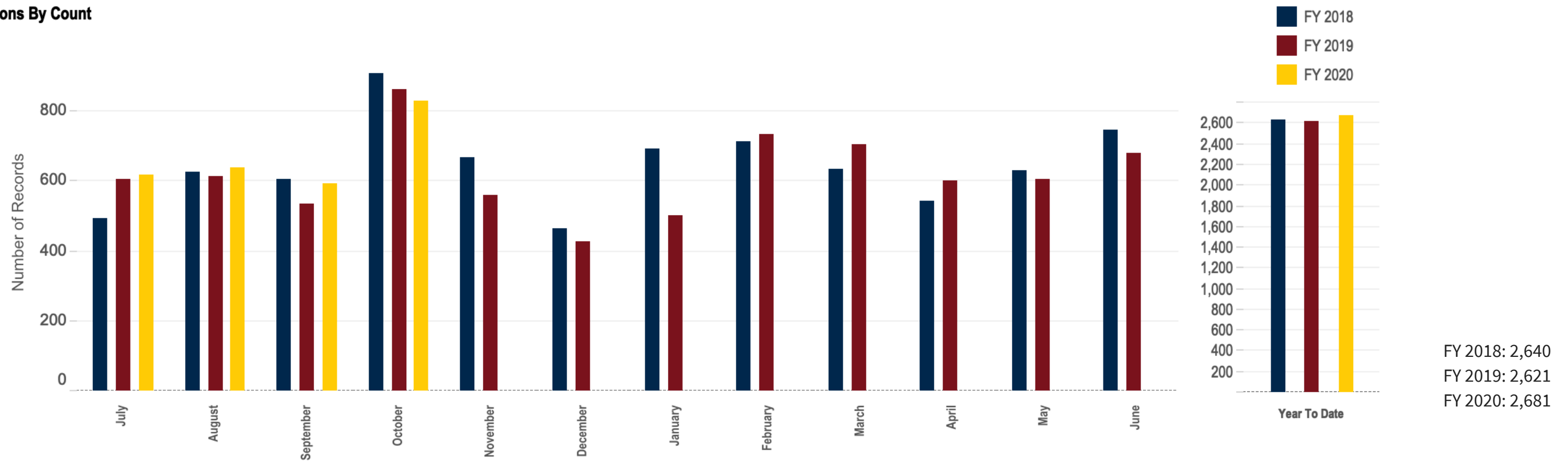


Figure 3

Submissions By Amount

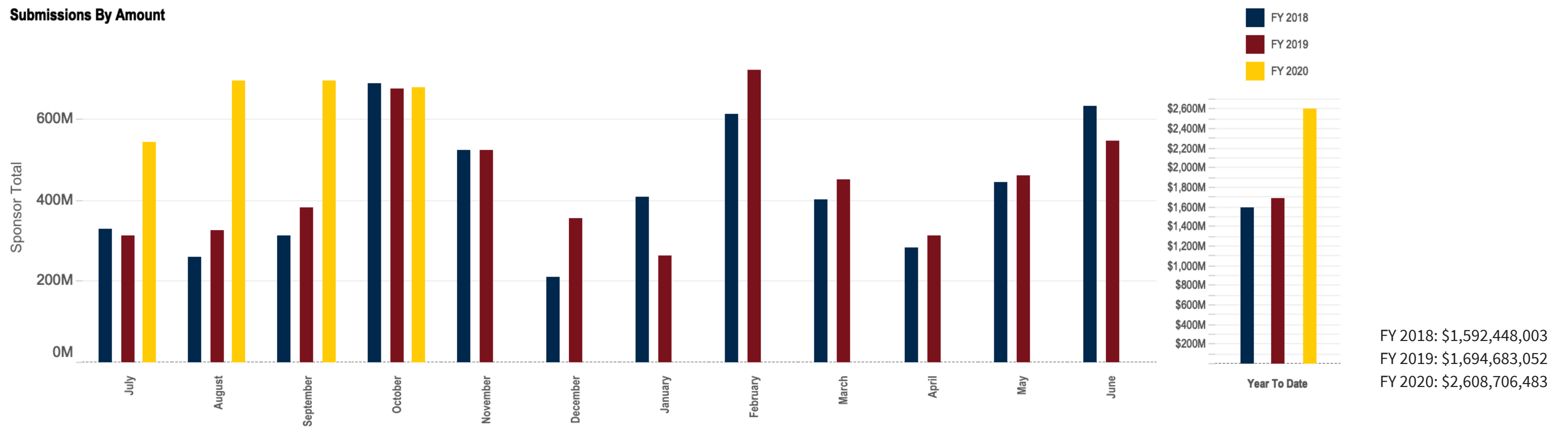


Figure 4

Awards By Count

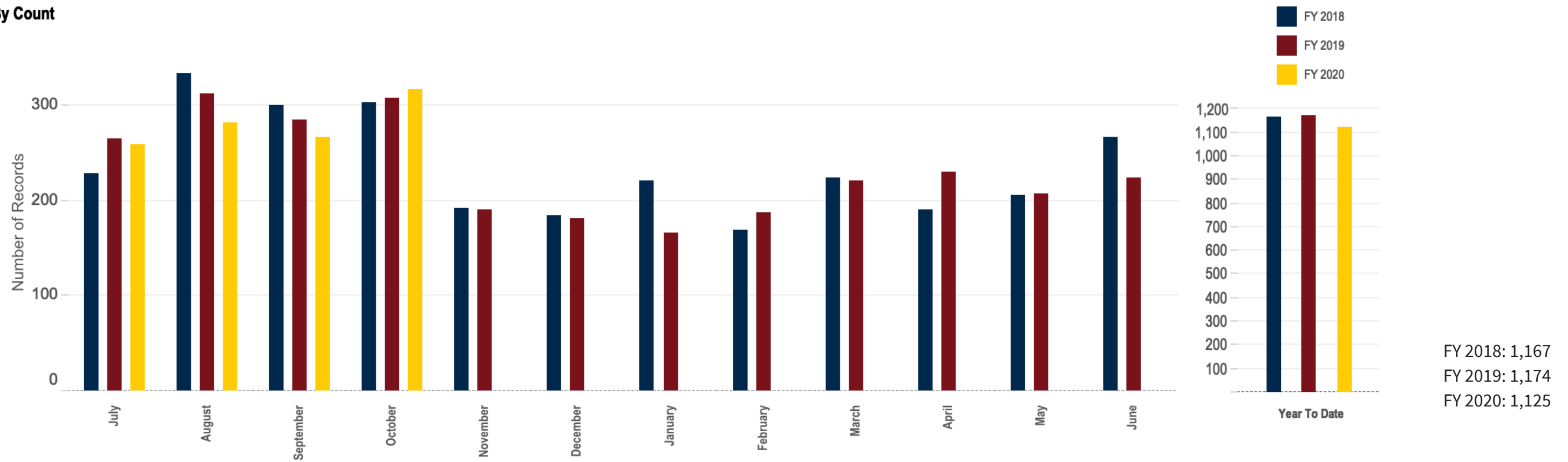
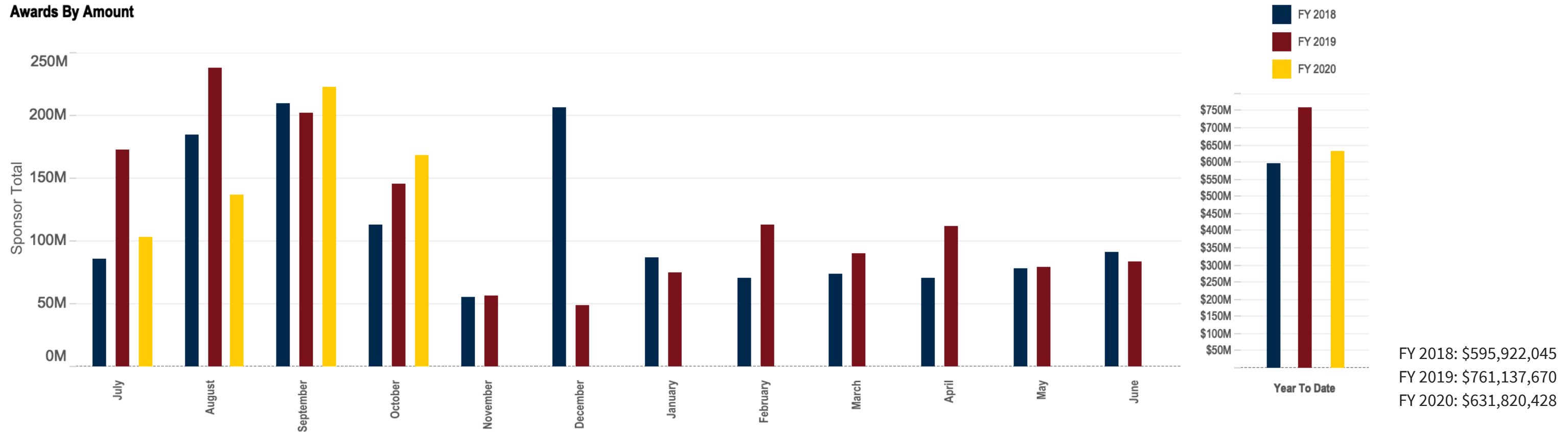


Figure 5

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: October 2019

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Pozzi, Sara	Nuclear Eng & Radiological Sci	Consortium for Monitoring, Technology, and Verification	Energy, Department of	\$25,000,000	5.0
Magee, John	Transplant Surgery (STX)	Childhood Liver Disease Research Network Data Coordinating Center	Health and Human Services, Department of-National Institutes of Health	\$14,872,450	4.7
Chinnaiyan, Arul	Rogel Cancer Center	Michigan Prostate SPORE	Health and Human Services, Department of-National Institutes of Health	\$9,215,218	5.0
Gardner, Thomas	Ophthalmology & Visual Science	JDRF and M-Diabetes Center of Excellence at the University of Michigan	Juvenile Diabetes Research Foundation International (JDRF)	\$9,000,000	5.0
Zimmerman, Marc	Hlth Behavior & Hlth Ed Dept	National Center for School Safety	Justice, Department of	\$5,999,289	3.0
Weir, David	SRC-Hrs	HCAP Harmonization in Irish, English, & American Studies	Health and Human Services, Department of-National Institutes of Health	\$3,813,694	3.7
Lei, Yu	DENT Periodontics and Oral Med	Robust Immuno-prevention Strategies for High-Risk Oral Epithelial Dysplasia	Health and Human Services, Department of-National Institutes of Health	\$3,799,975	4.9
Smrcka, Alan	Pharmacology Department	Development of G protein beta gamma subunit inhibitors to improve the safety and efficacy of opioid analgesics	Health and Human Services, Department of-National Institutes of Health	\$3,433,331	4.8
Chung, Kevin	Plastic Surgery Section	Clinical Trial for Surgery of the Ulnar Nerve (SUN) at the Elbow	Health and Human Services, Department of-National Institutes of Health	\$3,344,915	4.9
Kullgren, Jeffrey	Int Med-General Medicine	Integrating Behavioral Economics and Self-Determination Theory to Advance Patient Engagement in Diabetes Prevention	Health and Human Services, Department of-National Institutes of Health	\$2,862,505	4.8
Yoon, Euisik	COE EECS - ECE - SSEL	Ultra-flexible μ LED Optoelectrode Platform for Brain Circuit Mapping: a Longitudinal, Minimally Invasive Tool	Health and Human Services, Department of-National Institutes of Health	\$2,702,864	3.0
Swiecicki, Paul	Int Med-Hematology/Oncology	A multicenter phase I/II trial of a novel MDM2 inhibitor (APG-115) with or without platinum chemotherapy in p53 wild-type malignant salivary gland carcinoma.	Ascentage Pharma Group Corpora	\$2,618,286	4.9
Giger, Roman	Cell and Developmental Biology	Inhibitors of Synaptogenesis and Mental Health	Health and Human Services, Department of-National Institutes of Health	\$2,550,106	4.9
Cevidane, Lucia	DENT Orthodontics	Integrative Predictors of Temporomandibular Osteoarthritis	Health and Human Services, Department of-National Institutes of Health	\$2,545,710	4.7
Xu, Zhen	Biomedical Engineering	Transcranial Magnetic Resonance guided Histotripsy (tcMRgHT)	Health and Human Services, Department of-National Institutes of Health	\$2,363,399	3.7
Friedman, Charles	DLHS Division of LKS	Knowledge Grid (K-Grid) and Michigan Optimization Program (M-TOP)	Michigan, State of, Health and Human Services, Department of	\$2,220,079	1.0
Lemos, Maria	Sch for Environ and Sustain	Making Gulf Communities More Resilient: Scaling-up a Customized Vulnerability Assessment Template for Extreme Events in Gulf Cities	National Academy of Sciences	\$2,190,667	3.0
Albin, Roger	Neurology Department	University of Michigan Parkinson's Research Center of Excellence (UMPRCE): The Thalamus in Parkinson Disease	Parkinson's Disease Foundation	\$2,000,000	4.0
Li, Ming	LSA Molec./Cell./Develop. Bio	Ubiquitin-Dependent Protein Regulation and Quality Control of the Lysosomal Membrane	Health and Human Services, Department of-National Institutes of Health	\$1,638,000	5.0
Pawarode, Attaphol	Int Med-Hematology/Oncology	A phase 3, Multicenter, randomized, open-label Study to Compare the Efficacy and Safety of bb2121 Versus standard triplet regimens in Subjects with relapsed and ref..	Celgene Corporation	\$1,536,317	5.1