

This report summarizes the overall trends in grant and contract activity across all three campuses of the University of Michigan through April 30, 2020 — the first ten months of Fiscal Year 2020.

Figure 1 shows that total research expenditures through the first ten months of FY 2020 are up 2.5 percent when compared to the previous fiscal year. The number of research submissions through April has increased 6 percent, as shown in Figure 2, and Figure 3 shows the value of those submissions are up 19.5 percent when compared to FY2019, which can be attributed to more substantial requests for research funding.

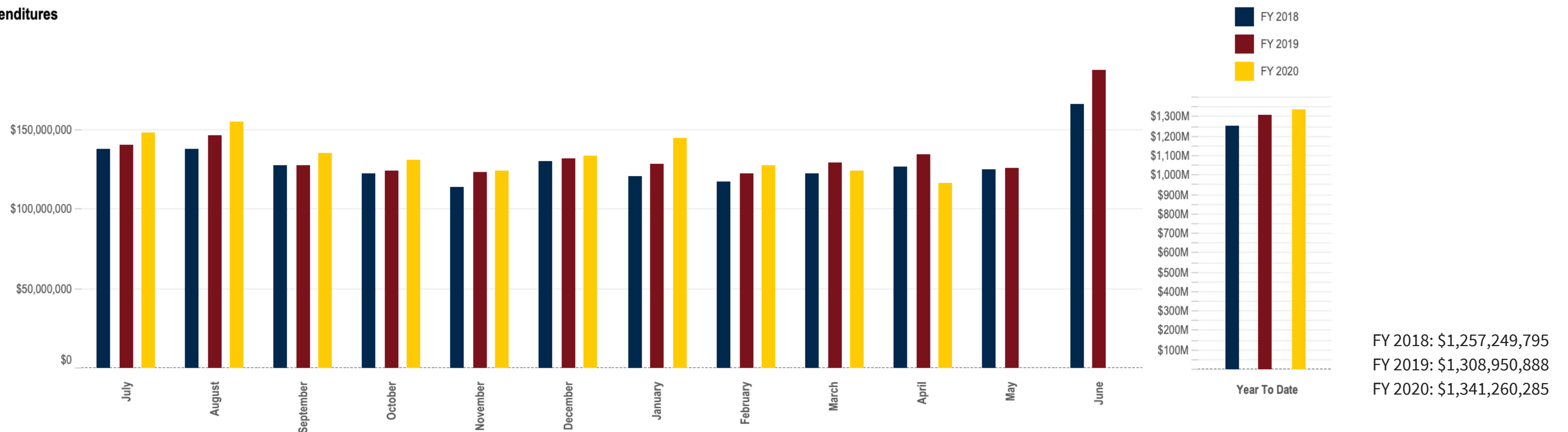
Figures 4 and 5\* show the number of new research awards from external sponsors are down 2.9 percent, and their value has dipped by 13.5 percent. The university received three unusually large research awards during FY2019 in the amounts of \$32 million, \$35 million and \$48 million, whereas the largest award received in FY2020 to date is \$25 million. These three awards totalling \$115 million help explain the university's current decrease in award value.

Rebecca Cunningham, Vice President for Research

Craig Reynolds, Assistant Vice President for Research-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

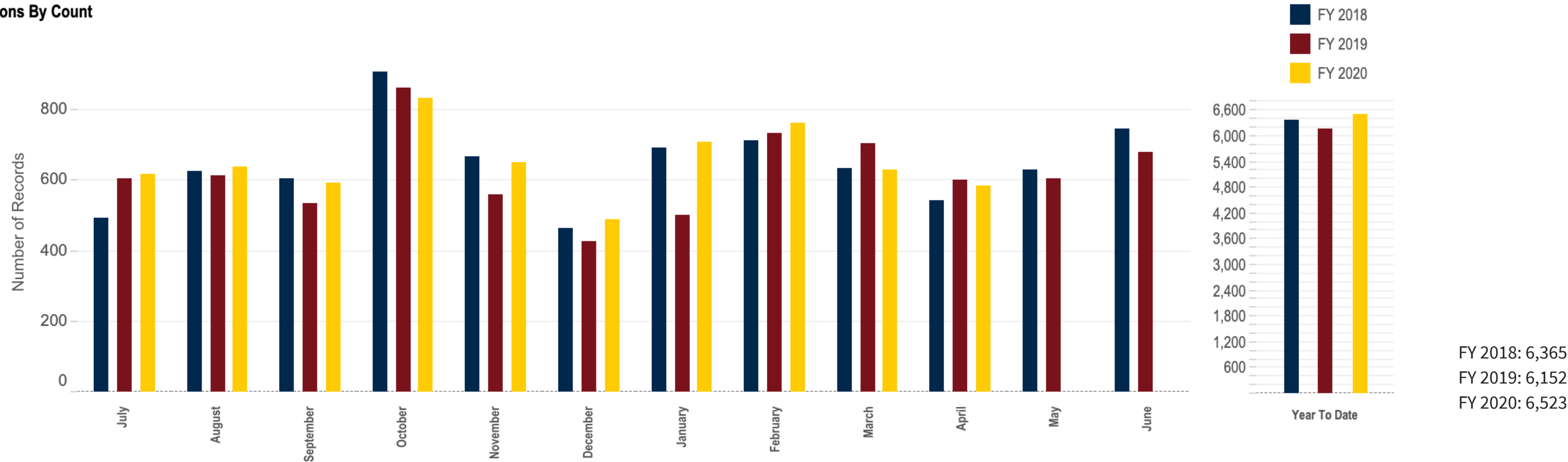


Figure 3

Submissions By Amount

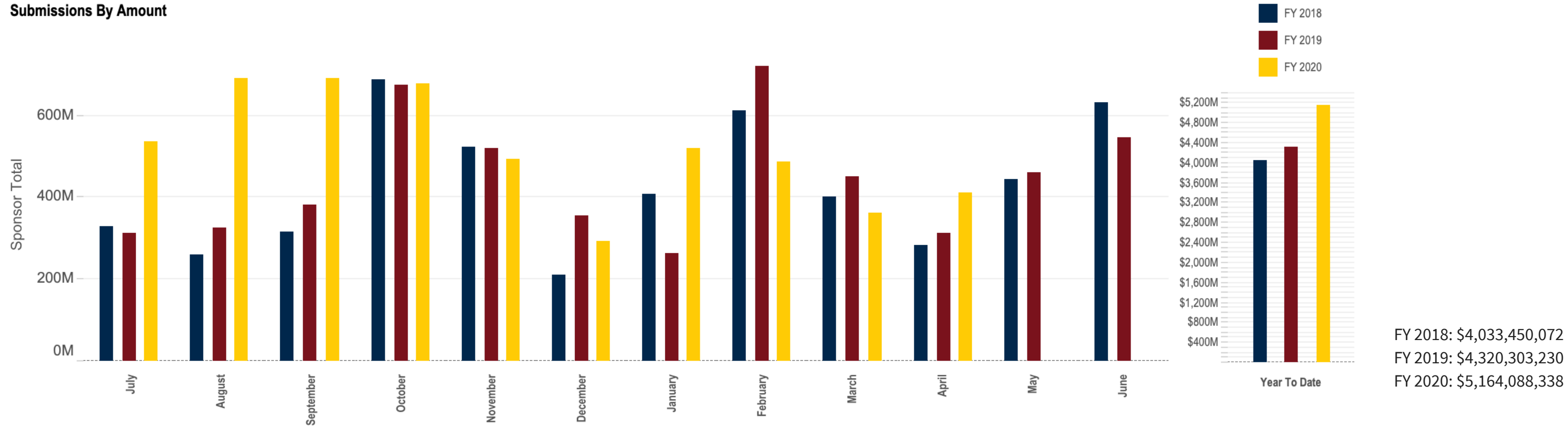


Figure 4

Awards By Count

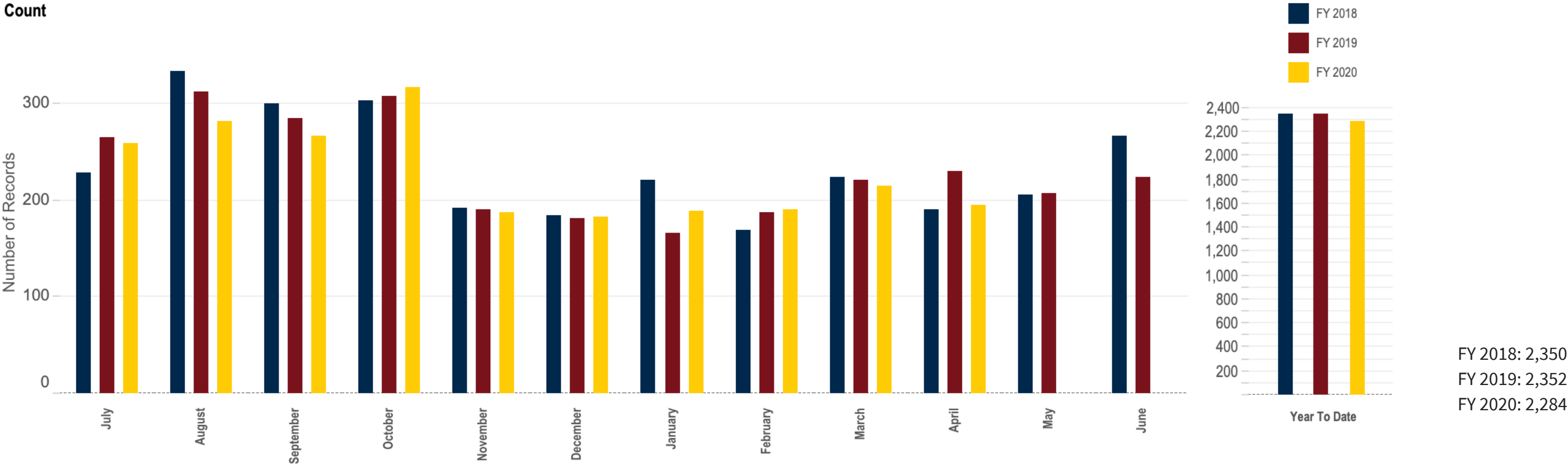
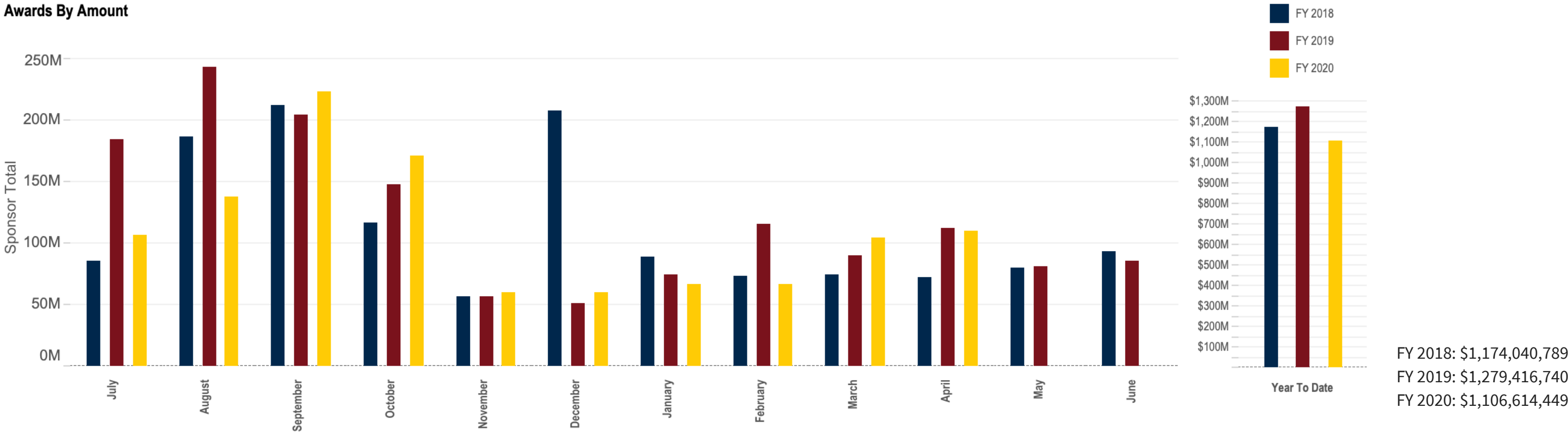


Figure 5

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: April 2020

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Heitzeg, Mary	Psych Substance Abuse	9/21 ABCD-USA CONSORTIUM: RESEARCH PROJECT SITE AT U MICHIGAN	Health and Human Services, Department of-National Institutes of Health	\$14,437,194	7.0
Xi, Guohua	Neurosurgery	Experimental Cerebral Hemorrhage: Mechanisms and Therapies	Health and Human Services, Department of-National Institutes of Health	\$8,431,264	8.0
Zhou, Bing	LSA Physics	MREFC: US ATLAS HL-LHC Upgrade Project - sMDT	National Science Foundation-Subcontracts	\$3,922,876	6.5
Dorsch, Michael	PHARMACY Clinical Pharmacy	A multifaceted adaptive mobile application to promote self-management and improve outcomes in heart failure	Health and Human Services, Department of-National Institutes of Health	\$3,067,379	5.0
Tso, Ivy	Psychiatry-ASAP	Disrupted eye gaze perception as a biobehavioral marker of social dysfunction: An RDoC investigation	Health and Human Services, Department of-National Institutes of Health	\$2,925,926	4.9
Corfas, Gabriel	Kresge Hearing Research Inst	The Roles of Neuronal Activity in Peripheral Nerve Myelination	Health and Human Services, Department of-National Institutes of Health	\$2,575,465	4.9
Arvan, Peter	Metabolism, Endo & Diabetes	Proinsulin Trafficking for Insulin Biosynthesis	Health and Human Services, Department of-National Institutes of Health	\$2,539,969	4.8
Moon, James	PHARMACY Pharmaceutical Sci	Novel biomaterials for IBD treatment	Health and Human Services, Department of-National Institutes of Health	\$2,537,732	4.0
Zhang, Yang	Comp Med and Bioinformatics	Advanced approaches to protein structure prediction	Health and Human Services, Department of-National Institutes of Health	\$2,488,164	5.0
Jackson, Trachette	LSA Mathematics	Multiscale Computational Models Guided By Emerging CellularDynamics Quantification For Predicting Optimum Immune Checkpoint And TargetedTherapy Schedules	Health and Human Services, Department of-National Institutes of Health	\$2,456,110	5.0
Zacks, David	Ophthalmology & Visual Science	Molecular Regulation of Photoreceptor Cell Death	Health and Human Services, Department of-National Institutes of Health	\$2,441,432	3.9
Pletcher, Scott	Institute of Gerontology	Career Training in the Biology of Aging	Health and Human Services, Department of-National Institutes of Health	\$2,393,255	5.0
Lama, Vibha	Int Med-Pulm./Critical Care	Translational dysregulation driving mesenchymal cell fibrogenic transformation and chronic lung allograft dysfunction	Health and Human Services, Department of-National Institutes of Health	\$2,370,168	14.7
Mapp, Anna	Life Sciences Institute-Admin	Probing transcriptional activation at the molecular level	Health and Human Services, Department of-National Institutes of Health	\$2,164,450	5.0
Nyati, Mukesh	Radiation Oncology - Can Bio	Development of a first-in-class mEGFR dimerization inhibitor	Health and Human Services, Department of-National Institutes of Health	\$2,096,110	5.0
Schwarz, Thomas	LSA Physics	MREFC: US ATLAS HL-LHC Upgrade Project (CSM)	National Science Foundation-Subcontracts	\$2,036,408	6.5
Duffy, Meghan	LSA Ecology & Evolutionary Bio	Meghan Duffy Investigator Award	Gordon E. and Betty I. Moore Foundation	\$2,025,000	5.0
Meddings, Jennifer	Int Med-General Medicine	Improving the Safety of Surgical Patients by Addressing Urinary Catheter Use, Urinary Retention, and Catheter Injury	Health and Human Services, Department of-Agency for Healthcare Research and Quality	\$2,000,000	5.0
Lyssiotis, Costas	Molec & Integrative Physiology	Stromal metabolism promotes therapeutic resistance in pancreatic cancer	Health and Human Services, Department of-National Institutes of Health	\$1,999,211	5.0
Xu, Shawn	Life Sciences Institute-Admin	Chemosensation and longevity in C. elegans	Health and Human Services, Department of-National Institutes of Health	\$1,844,310	4.9