

This report summarizes the overall trends in grant and contract activity across all three campuses of the University of Michigan through May 31, 2020 — the first 11 months of Fiscal Year 2020.

Figure 1 shows that total research expenditures through the first 11 months of FY 2020 are up 1 percent when compared to the previous fiscal year. The number of research submissions through May has increased 6 percent, as shown in Figure 2, and Figure 3 shows the value of those submissions are up 20.1 percent when compared to FY2019, which can be attributed to more substantial requests for research funding.

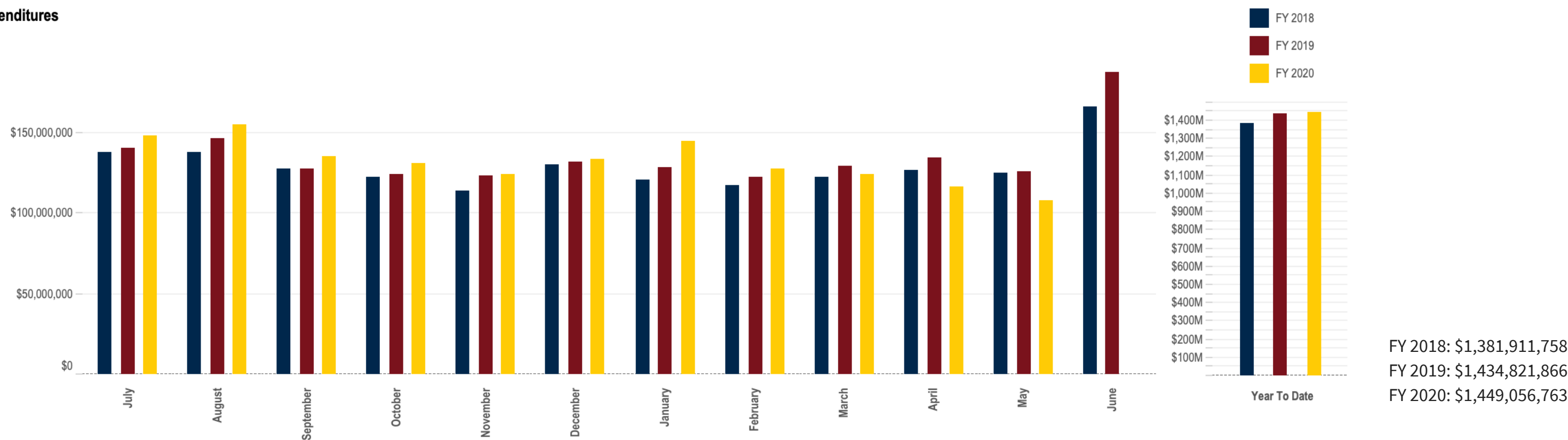
Figures 4 and 5\* show the number of new research awards from external sponsors are down 2.5 percent, and their value has dipped by 6.1 percent. The university received three unusually large research awards during FY2019 in the amounts of \$32 million, \$35 million and \$48 million, whereas the largest award received in FY2020 to date is \$31 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

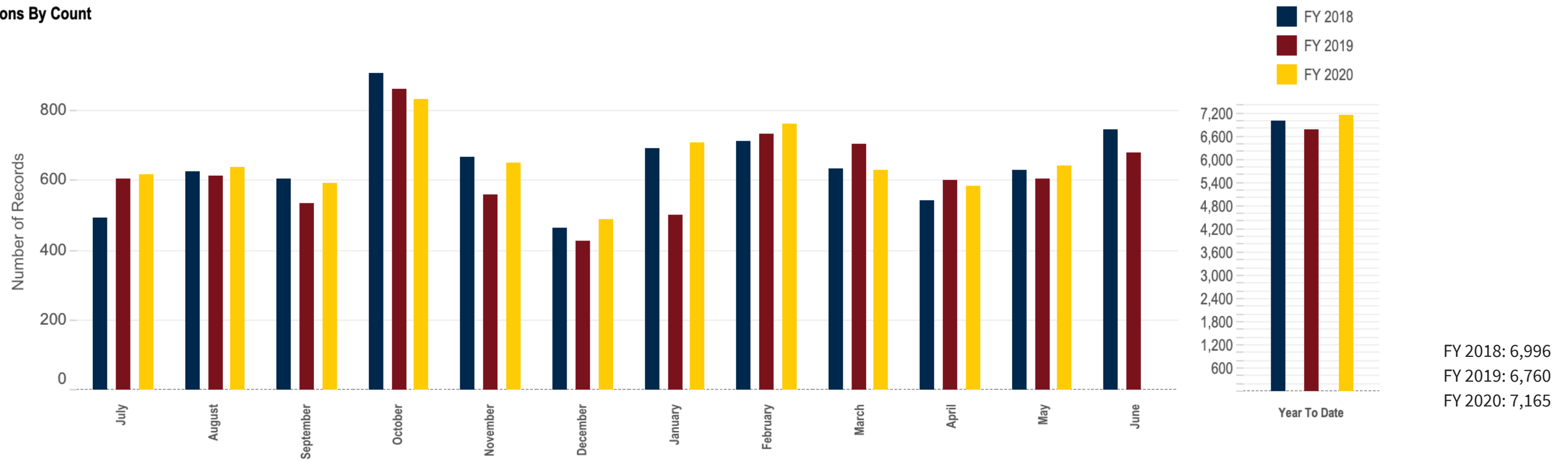


Figure 3

Submissions By Amount

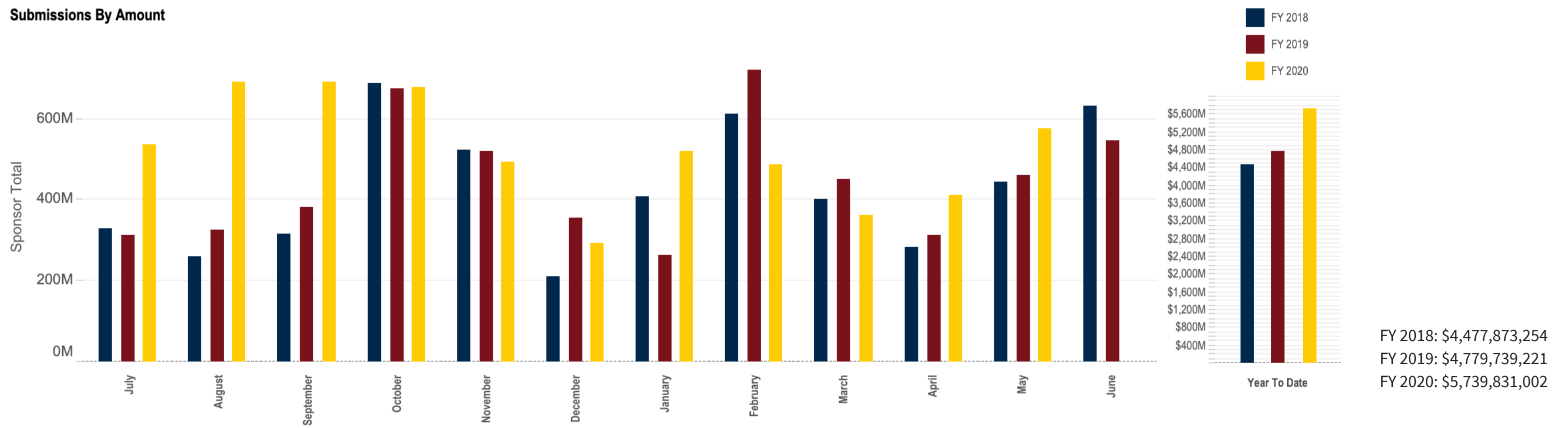


Figure 4

Awards By Count

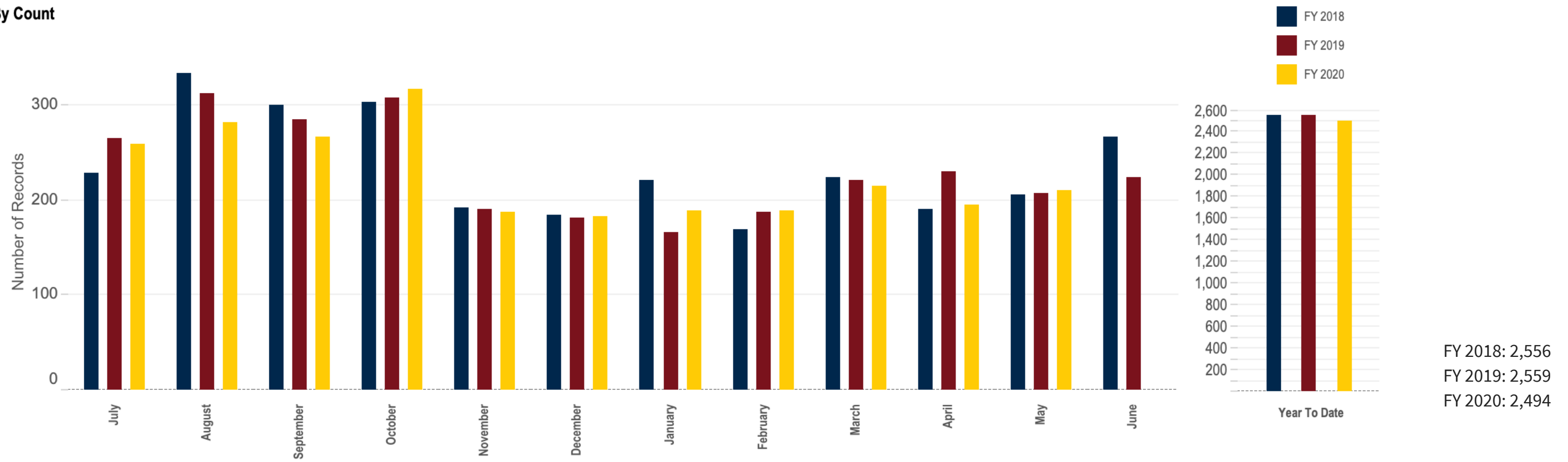
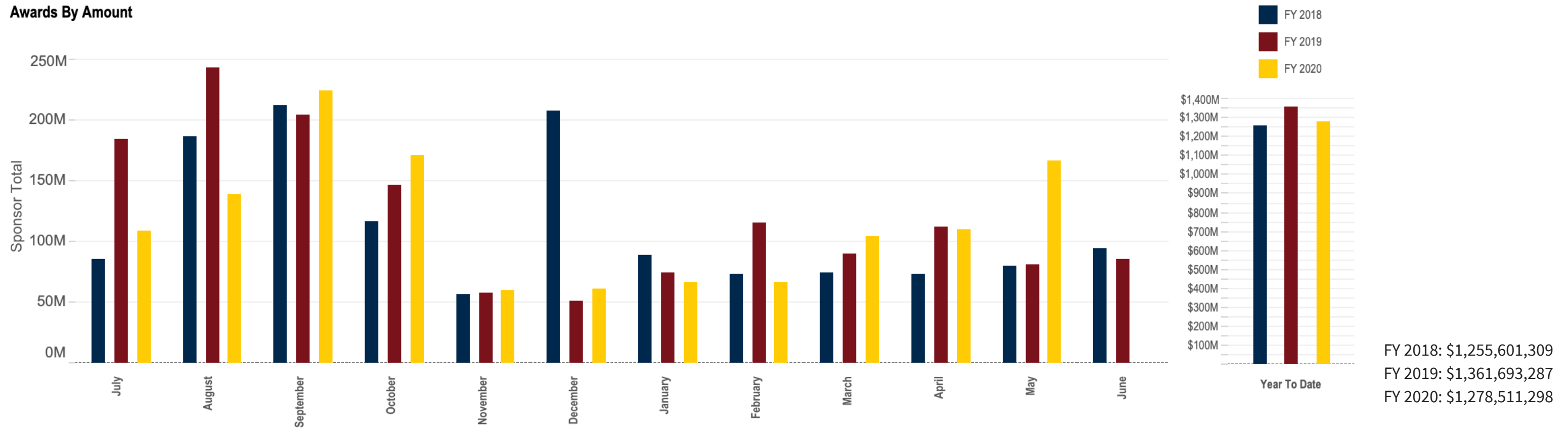


Figure 5

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: May 2020

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Kohn, David	DENT Bio & Materials Science	Michigan-Pittsburgh-Wyss Regenerative Medicine Resource Center: Advancing Dental, Oral, and Craniofacial Regeneration to Clinical Trial Initiation	Health and Human Services, Department of-National Institutes of Health	\$31,440,626	5.0
Dittmar, Amy	Ofc Provost & Exec VP Acad Aff	Institutional Portion of the Higher Education Emergency Relief Fund Formula Grants Authorized by Section 18004(a)(1) of the Coronavirus Aid, Relief, and Economic ..	Education, Department of	\$12,622,026	1.0
Durham, Tammie	Fin Aid-Grants/Loans/Workstudy	Emergency Financial Aid Grants to Students under the Coronavirus Aid, Relief, and Economic Security CARES Act - Ann Arbor	Education, Department of	\$12,622,026	1.0
Forrest, Stephen	COE EECS - ECE - SSEL	Continuation Funding: Breaking Down Barriers in Organic Electronics	Universal Display Corporation	\$8,098,444	3.0
Dolinoy, Dana	Environmental Health Sciences	Environmental Epigenomics and Precision Environmental Health	Health and Human Services, Department of-National Institutes of Health	\$6,942,422	7.9
Bakulski, Kelly	Epidemiology Department	DNA Methylation, Genetics, and Modifiable Risk Factors of Dementia in a Nationally Representative, Multi-Ethnic Cohort	Health and Human Services, Department of-National Institutes of Health	\$3,662,021	4.9
Allen, Katherine	Dbn Financial Aid Awards	COVID 19: CARES Act Funding-Dearborn-19/20	Education, Department of	\$3,494,565	1.0
Yang, Bo	Cardiac Surgery	Defining mechanisms of aortic root aneurysm in Loey's-Dietz syndrome using patients' induced pluripotent stem cells and genome editing	Health and Human Services, Department of-National Institutes of Health	\$3,467,855	5.0
Zou, Weiping	Surgery Department	Metabolic impact on T cell-mediated cancer immunity and therapy	Health and Human Services, Department of-National Institutes of Health	\$3,232,135	5.0
Dewaraja, Yuni	Department of Radiology	Bringing Capacity for Theranostic Dosimetry Planning to the Nuclear Medicine Clinic	Health and Human Services, Department of-National Institutes of Health	\$3,037,291	5.0
Chugh, Rashmi	Int Med-Hematology/Oncology	Open-Label Phase 2 Clinical Trial to Assess the Safety, Tolerability and Antitumor Activity of Genetically Engineered NY-ESO-1-Specific (c259) T Cells (GSK3377..	PPD Investigator Services, LLC	\$2,954,787	6.9
Robinson, Leah	School of Kinesiology	The CHAMP Afterschool Program: Promoting Physical Activity & Health in Children	Health and Human Services, Department of-National Institutes of Health	\$2,609,255	4.8
Huang, Steven	Int Med-Pulm./Critical Care	The Role of KCNMB1 and the Large Conductance Potassium (BK) Channel in Myofibroblast Differentiation and Pulmonary Fibrosis	Health and Human Services, Department of-National Institutes of Health	\$2,569,320	10.2
Xu, Shawn	Life Sciences Institute-Admin	An unexpected role of glutamate receptors in the peripheral nervous system	Health and Human Services, Department of-National Institutes of Health	\$2,565,410	4.8
Nallamothu, Brahmajee	Int Med-Cardiology	Wearables In Reducing risk and Enhancing Daily Life-style (WIRED-L)	American Heart Association, Inc.	\$2,500,000	4.0
Shaughnessy, Meghan	SOE-Educational Studies	Teachers as learners of equitable discussion practices	National Science Foundation	\$2,498,566	5.0
Iwase, Shigeki	Human Genetics Department	A Neuron-specific Methyl-histone Regulatory Complex	Health and Human Services, Department of-National Institutes of Health	\$2,410,855	4.9
Reddy, Pavan	Int Med-Hematology/Oncology	COPII dependent regulation of T cell alloimmunity	Health and Human Services, Department of-National Institutes of Health	\$2,358,326	4.0
Hague, Michael	Flint Student Aid Need Based	CARES Act- Emergency Financial Aid Grants to Students-Flint	Education, Department of	\$2,300,077	1.0
Zemans, Rachel	Int Med-Pulm./Critical Care	Role of TGFβ/BMP Antagonism in Regeneration of the Alveolar Epithelium After Lung Injury	Health and Human Services, Department of-National Institutes of Health	\$2,016,256	4.0