

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

Figure 1 shows that total research expenditures through the first nine months of FY 2020 are up 4.3 percent when compared to the previous fiscal year. The number of research submissions through March has increased 7 percent, as shown in Figure 2, and Figure 3 shows the value of those submissions are up 18.6 percent when compared to FY2019, which can be attributed to more substantial requests for research funding.

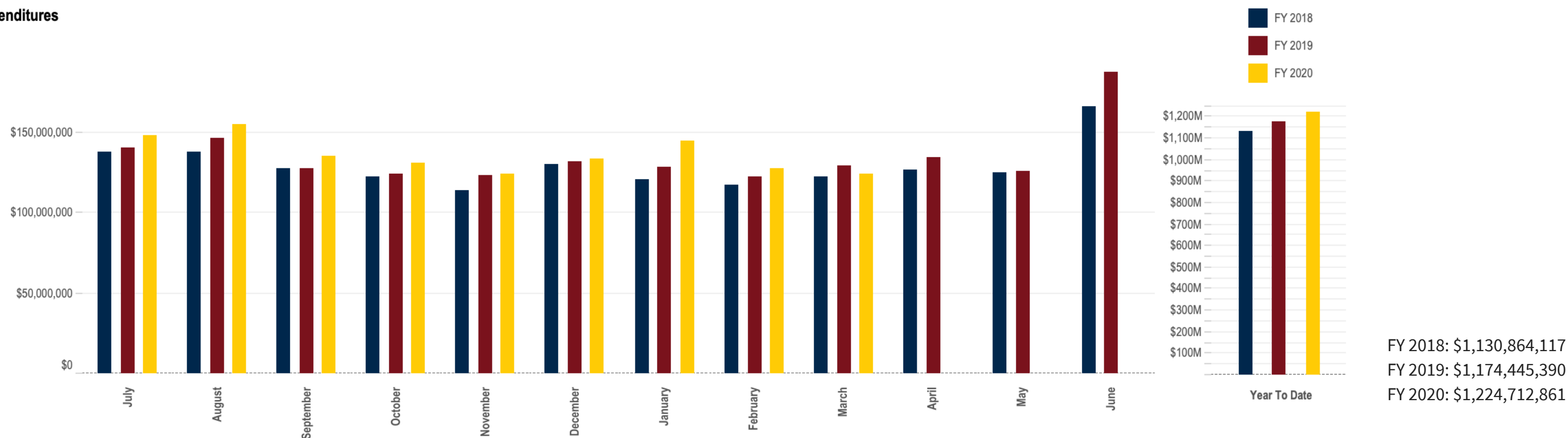
Figures 4 and 5* show the number of new research awards from external sponsors are down 1.5 percent, and their value has dipped by 14.7 percent. The university received three unusually large research awards during FY2019 in the amounts of \$32 million, \$35 million and \$48 million, whereas the largest 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

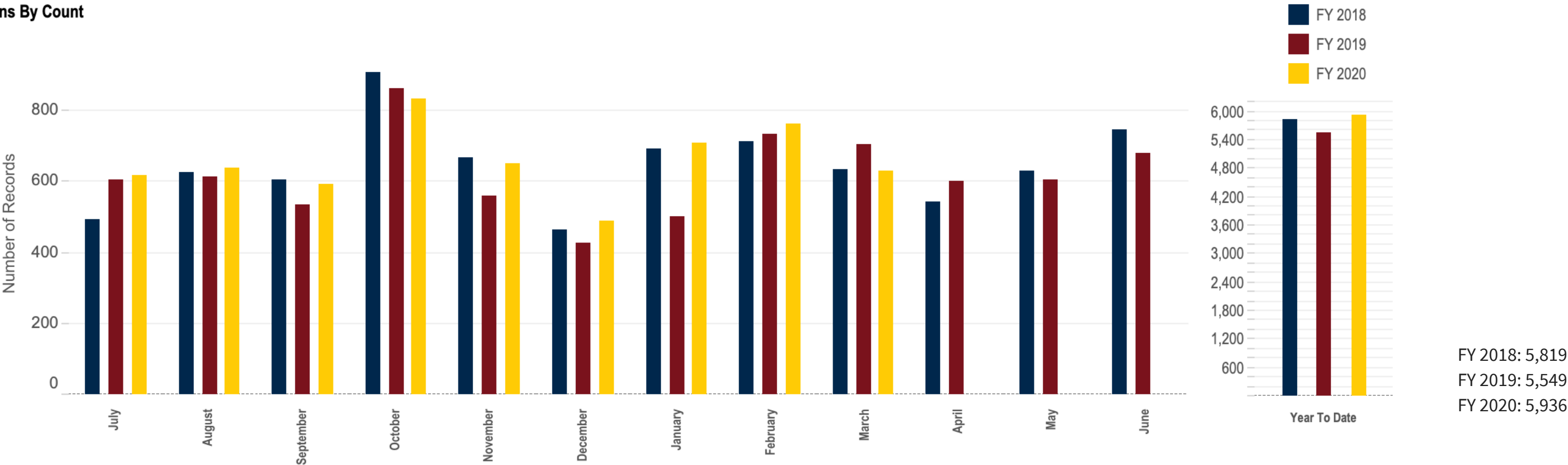


Figure 3

Submissions By Amount

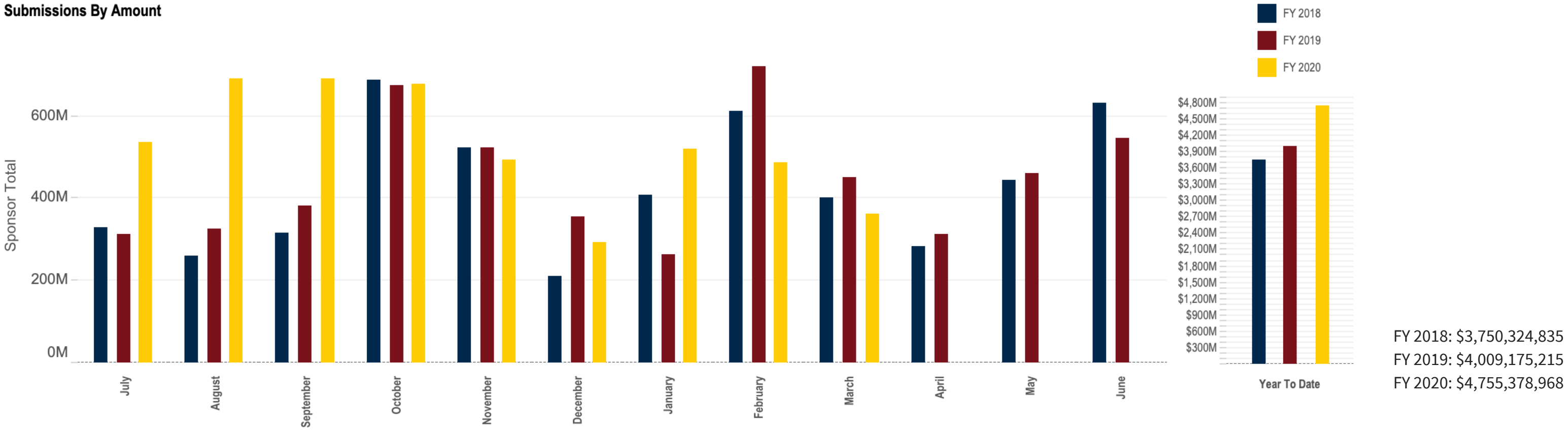


Figure 4

Awards By Count

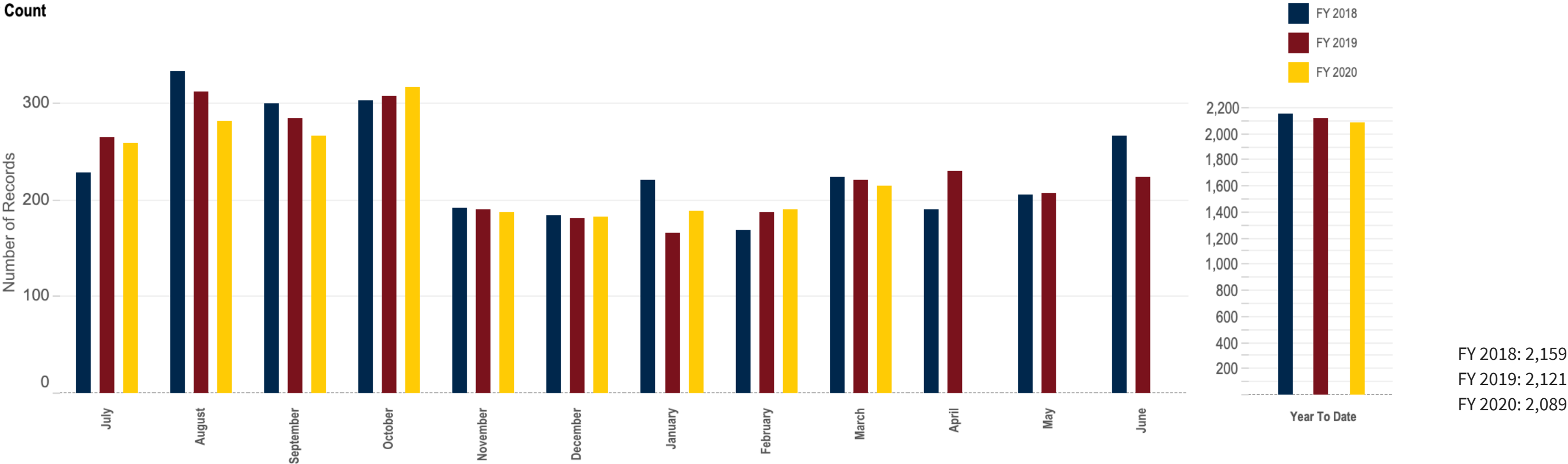
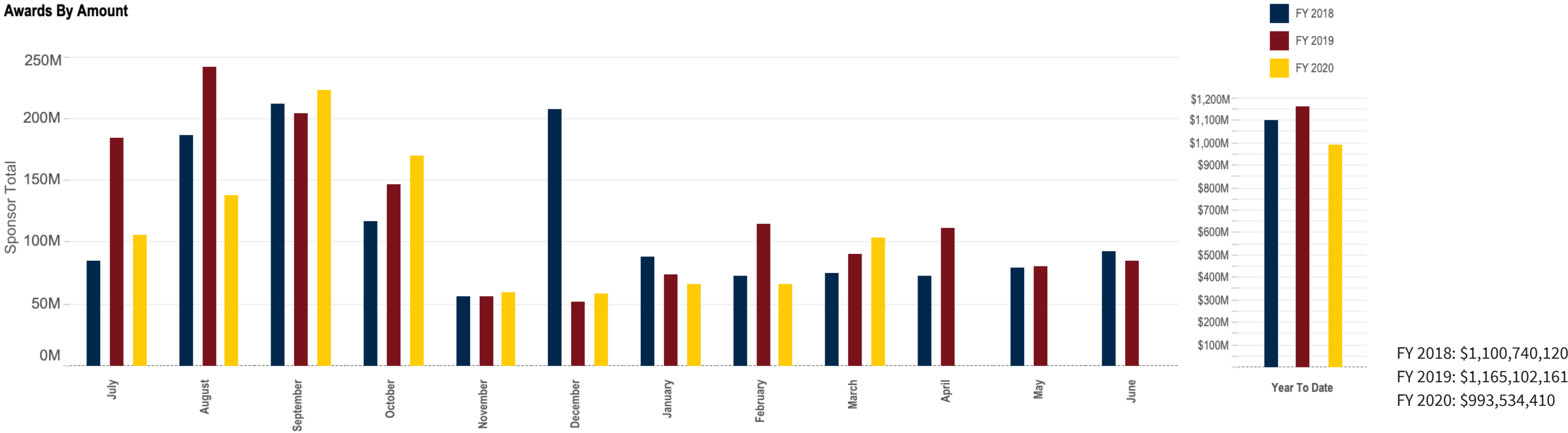


Figure 5

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: March 2020

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Shellhaas, Renee	Pediatrics-Neurology	Sleep-disordered breathing in infants with myelomeningocele	Health and Human Services, Department of-National Institutes of Health	\$3,644,770	4.9
Rainey, William	Molec & Integrative Physiology	Adrenal Origins of Aldosterone Excess	Health and Human Services, Department of-National Institutes of Health	\$3,234,470	5.0
Hollingsworth, John	Urology	Real-world effectiveness of preventive pharmacological therapy for patients with kidney stones	Health and Human Services, Department of-National Institutes of Health	\$3,041,231	5.0
Tsai, Billy	Cell and Developmental Biology	Mechanism of gamma-secretase action during HPV infection	Health and Human Services, Department of-National Institutes of Health	\$2,980,164	4.9
Carlozzi, Noelle	PM&R	Quality of Life in Caregivers of Traumatic Brain Injury: The power of the JITAI (just-in-time adaptive interventions) to improve outcomes for care partners of persons with traum..	Health and Human Services, Department of-National Institutes of Health	\$2,916,633	4.8
Han, Meilan	Int Med-Pulm./Critical Care	Prediction of COPD Progression by PRM	Health and Human Services, Department of-National Institutes of Health	\$2,758,900	4.0
Dlugosz, Andrzej	Dermatology Department	Cell fate decisions in Merkel cell carcinoma initiation and maintenance	Health and Human Services, Department of-National Institutes of Health	\$2,632,900	5.0
Mody, Lona	Institute of Gerontology	Physician Scientist Training in Age-Related Diseases	Health and Human Services, Department of-National Institutes of Health	\$2,522,806	5.0
Swiecicki, Paul	Int Med-Hematology/ Oncology	A Phase 3, randomized, placebo-controlled, double-blind clinical study of pembrolizumab (MK3475) with or without lenvatinib (E7080/MK-7902) to evaluate the safety and effi..	Merck Sharp and Dohme Research Laboratories	\$2,516,233	8.1
King, William	Kresge Hearing Research Inst	Noise-Induced Synaptic Loss and Vestibular Dysfunction	Health and Human Services, Department of-National Institutes of Health	\$2,500,591	4.0
Crawford, Howard	Molec & Integrative Physiology	Metaplastic Tuft Cells in Pancreatic Cancer	Health and Human Services, Department of-National Institutes of Health	\$2,441,679	5.0
Rao, Krishna	Int Med-Infectious Diseases	Data-Driven Interventions for Reducing C. difficile Incidence	Health and Human Services, Department of-Agency for Healthcare Research and Quality	\$2,402,891	4.8
Kardia, Sharon	Epidemiology Department	Harmonized Diagnostic Assessment of Dementia (DAD) for Longitudinal Aging Study of India (LASI)-Genomic study.	Health and Human Services, Department of-National Institutes of Health-Subcontracts	\$2,268,745	5.0
Clowney, Eleanor	LSA Molec./Cell./Develop. Bio	Generation and manipulation of combinatorial connectivity in olfactory perception	Health and Human Services, Department of-National Institutes of Health	\$2,183,925	5.0
Kanthi, Yogendra	Int Med-Cardiology	Purinergic regulation of Innate Immunity to promote Venous Homeostasis	Health and Human Services, Department of-National Institutes of Health	\$2,163,890	5.0
Cierpicki, Tomasz	Pathology Department	Targeting epigenetic reader GAS41	Health and Human Services, Department of-National Institutes of Health	\$2,046,859	4.0
Ghosh, Monalisa	Int Med-Hematology/ Oncology	A GLOBAL RANDOMIZED MULTICENTER PHASE 3 TRIAL TO COMPARE THE EFFICACY AND SAFETY OF JCAR017 TO STANDARD OF CARE IN ADULT SUBJEC..	Celgene Corporation	\$2,032,104	5.0
Shahinian, Vahakn	Int Med-Nephrology	Primary care involvement in End Stage Renal Disease Seamless Care Organizations (ESCOs) and the quality and costs of care for patients on chronic dialysis	Health and Human Services, Department of-Agency for Healthcare Research and Quality	\$1,999,997	4.8
Stringer, Kathleen	PHARMACY Clinical Pharmacy	Translational Metabolomics in Critical Care	Health and Human Services, Department of-National Institutes of Health	\$1,913,535	4.8
Sanford, Melanie	LSA Chemistry	Metal-Catalyzed Reactions for Organic Synthesis	Health and Human Services, Department of-National Institutes of Health	\$1,887,155	4.8