

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

Figure 1 shows that total research expenditures through the first nine months of FY 2019 are ahead of the previous year by 3.9 percent. It is important to note that total research expenditures for FY 2018, which closed on June 30, 2018, reached a record high of \$1.55 billion.

The number of research submissions through March was down 4.7 percent when compared to last year, as shown in Figure 2. Figure 3, however, shows the value of those submissions is up 7.1 percent when compared to FY 2018.

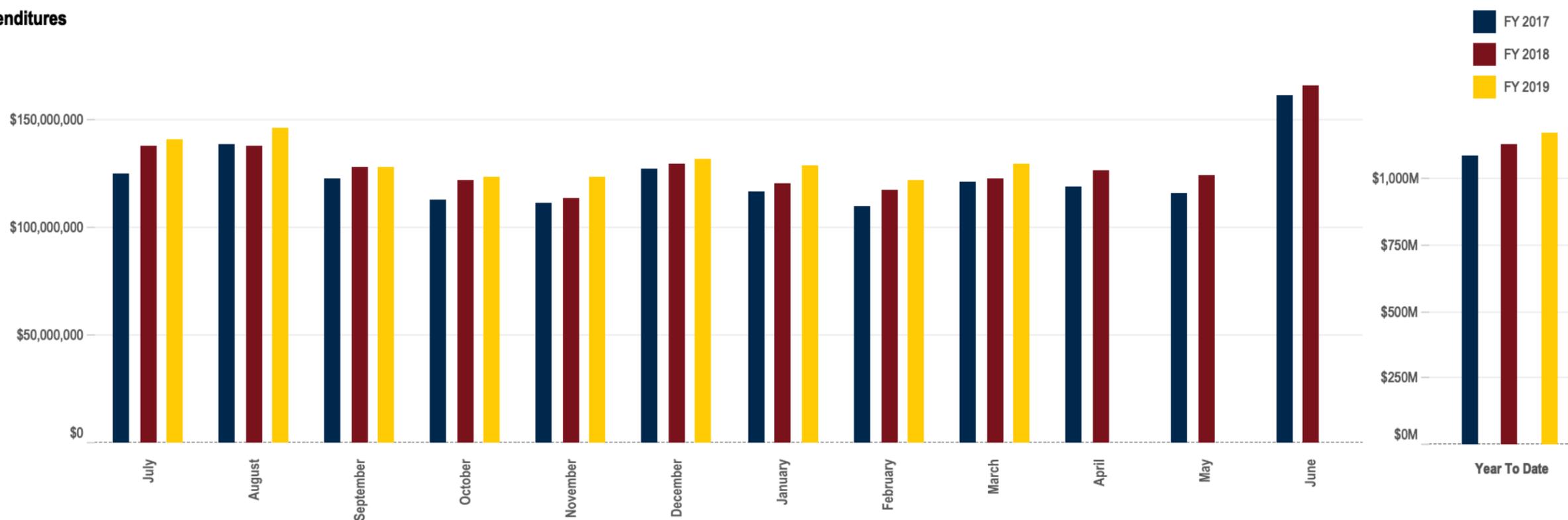
Figures 4 and 5 show the number of new research awards from external sponsors are down 1.8 percent, but their value increased by 6.8 percent when compared to the previous fiscal year — led in this reporting period by a \$7.5 million award to support advocacy, education and research in stroke prevention and treatment.

S. Jack Hu, Vice President for Research

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

Figure 1

Expenditures



FY 2017: \$1,086,754,204  
 FY 2018: \$1,130,864,117  
 FY 2019: \$1,174,445,390

Figure 2

Submissions By Count

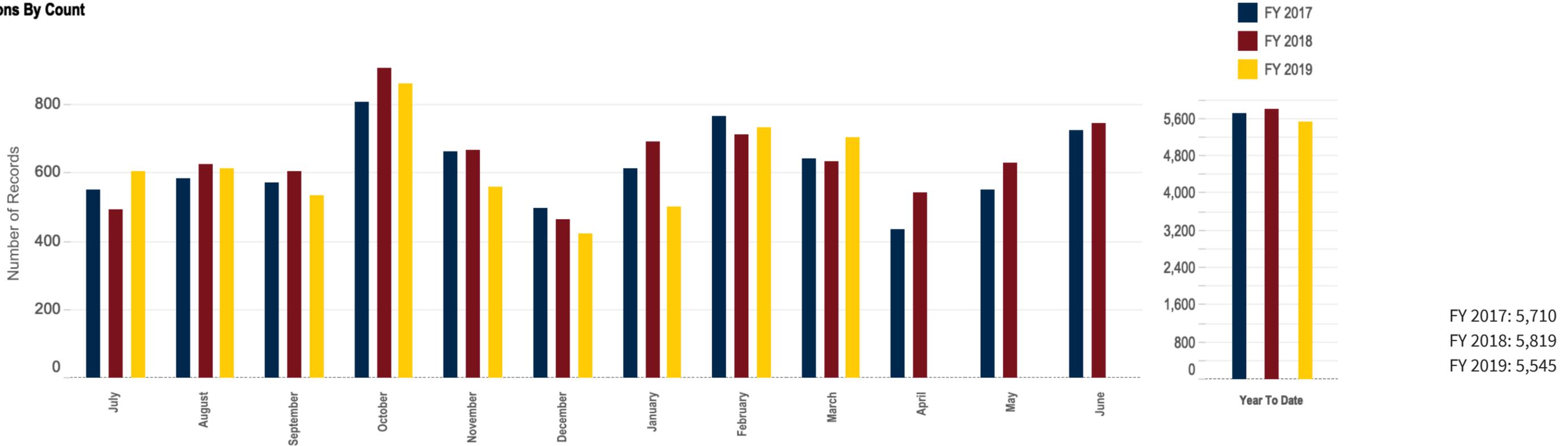


Figure 3

Submissions By Amount

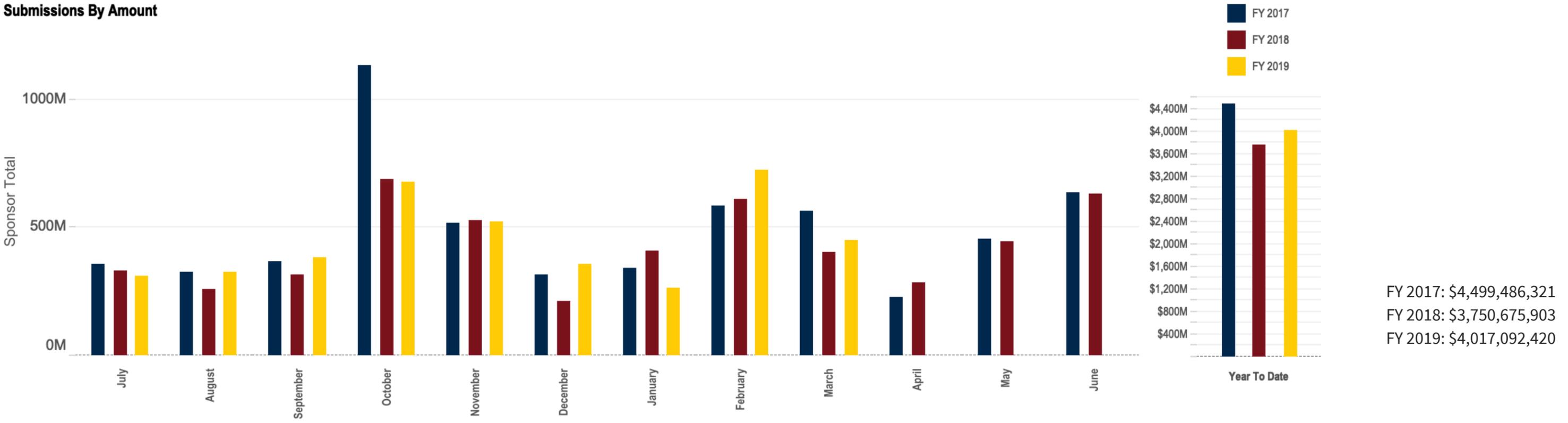


Figure 4

Awards By Count

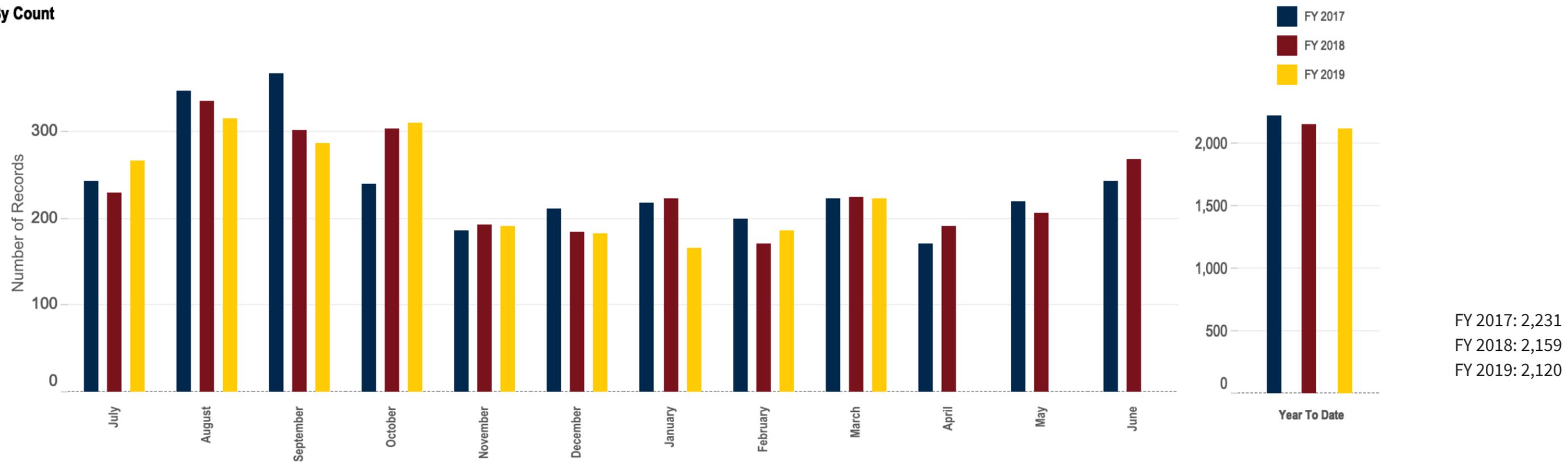


Figure 5

Awards By Amount

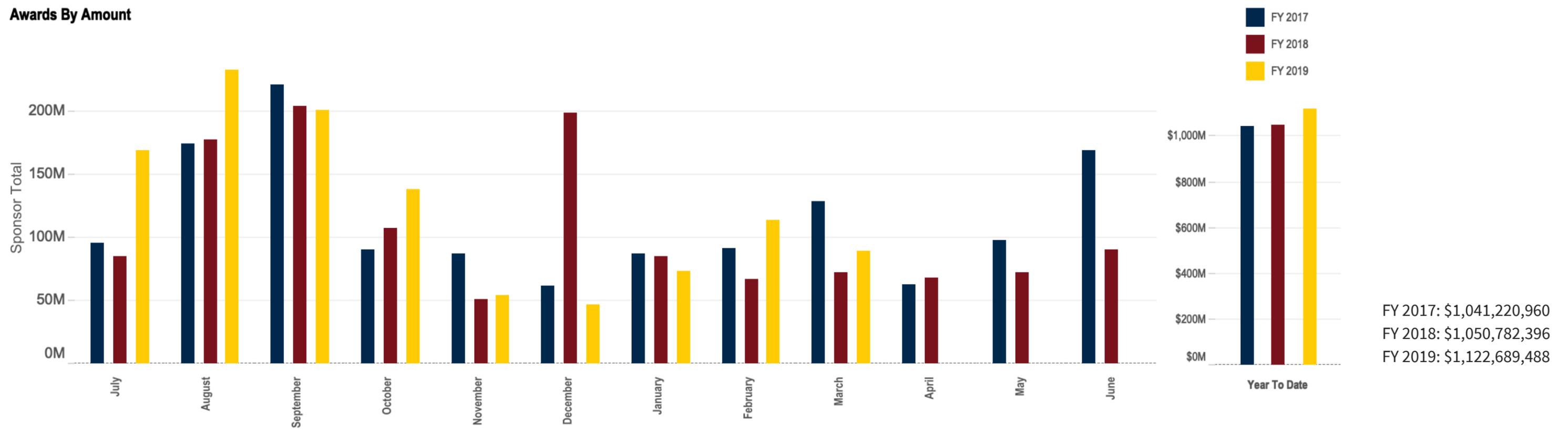


Figure 6

## 20 Largest Project Awards: March 2019

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Lisabeth, Lynda	Epidemiology Department	Brain Attack Surveillance in Corpus Christi (BASIC) Project	Health and Human Services, Department of-National Institutes of Health	\$7,492,559	5.0
Schroeder, Lee	Pathology Department	Understanding and Improving the Effectiveness of Public Health Laboratory Networks for Infectious Diseases in Ghana	Health and Human Services, Department of-National Institutes of Health	\$3,353,840	5.0
Dowling, David	Mechanical Engineering	Hydrodynamic and Hydroacoustic Science and Technology Research	Defense, Department of-Navy, Department of the	\$3,223,108	5.0
Ross, Brian	Department of Radiology	Imaging Disease Heterogeneity and Response to Therapy in Myelofibrosis	Health and Human Services, Department of-National Institutes of Health	\$3,103,250	5.0
Pinsky, David	Int Med-Cardiology	Multidisciplinary Cardiovascular Research Training	Health and Human Services, Department of-National Institutes of Health	\$3,103,245	5.0
Akin, Cem	Allergy Division	A 3-Part, Randomized, Double-Blind, Placebo-Controlled Phase 2 Study to Evaluate Safety and Efficacy of Avapritinib (BLU-285), a Selective KIT Mutation-Targeted ..	Blueprint Medicines Corporatio	\$2,998,479	5.0
Dou, Yali	Pathology Department	Enhancer Dysregulation in AML	Health and Human Services, Department of-National Institutes of Health	\$2,646,355	5.0
Bartlett, Robert	GSA - Administration (GSA/ADM)	The Cause of Systemic Inflammatory Response during Cardiopulmonary Bypass and Prevention by Nitric Oxide	Health and Human Services, Department of-National Institutes of Health	\$2,616,475	4.0
Swanson, Joel	Microbiology and Immunology	The Regulation of Macropinocytosis	Health and Human Services, Department of-National Institutes of Health	\$2,293,720	5.0
Camper, Sally	Human Genetics Department	Hypopituitarism: Role of PROP1 and Retinoic Acid Signaling in Regulation of Pituitary Stem Cell Differentiation	Health and Human Services, Department of-National Institutes of Health	\$2,204,710	5.0
Lee, Sunghee	SRC-Survey Methodology Prog	Improving Reproducibility of Respondent Driven Sampling through Adaptive Design	Health and Human Services, Department of-National Institutes of Health	\$2,142,640	4.9
Dickson, Robert	Int Med-Pulm./Critical Care	The role of the lung microbiome in oxygen-induced lung injury	Health and Human Services, Department of-National Institutes of Health	\$2,140,947	5.0
Holinstat, Michael	Pharmacology Department	12-HETrE regulation of blood coagulation, hemostasis, and thrombosis	Health and Human Services, Department of-National Institutes of Health	\$1,950,010	5.0
Seeley, Randy	Surgery Department	Role of GDF15 and its receptor in the CNS regulation of food intake and body weight	Health and Human Services, Department of-National Institutes of Health	\$1,862,428	4.0
Choi, Sung	Pediatrics-Hematology/Oncology	Roadmap 2.0: A randomized controlled trial using a technology-mediated platform in family caregivers of BMT patients	Health and Human Services, Department of-National Institutes of Health	\$1,755,000	5.0
Lee, Cheng-yu	Life Sciences Institute-Admin	Multi-layered Control of the Exit from Stemness	Health and Human Services, Department of-National Institutes of Health	\$1,651,475	5.0
Arnold, Kelly	Biomedical Engineering	Identification of immune cell-cell communication networks and inflammatory pulmonary microenvironments associated with the progression of COPD	Health and Human Services, Department of-National Institutes of Health	\$1,602,313	5.0
Osawa, Yoichi	Pharmacology Department	P450 and NO Synthase Regulation by Multiprotein Complexes	Health and Human Services, Department of-National Institutes of Health	\$1,584,817	3.8
Schaubel, Douglas	Biostatistics Department	Methods for survival processes arising in end-stage renal disease	Health and Human Services, Department of-National Institutes of Health	\$1,376,631	4.0
Qi, Ling	Molec & Integrative Physiology	Regulation of Mitochondrial Dynamics by ERAD	Health and Human Services, Department of-National Institutes of Health	\$1,320,000	5.0