

This report summarizes the overall trends in grant and contract activity across all three campuses of the University of Michigan through the first 11 months of Fiscal Year 2019, which ended May 31, 2019.

Figure 1 shows that total research expenditures through the first 11 months of FY 2019 are ahead of the previous year by 3.8 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 May was down 3.4 percent when compared to last year, as shown in Figure 2. Figure 3, however, shows the value of those submissions is up 6.9 percent when compared to FY 2018.

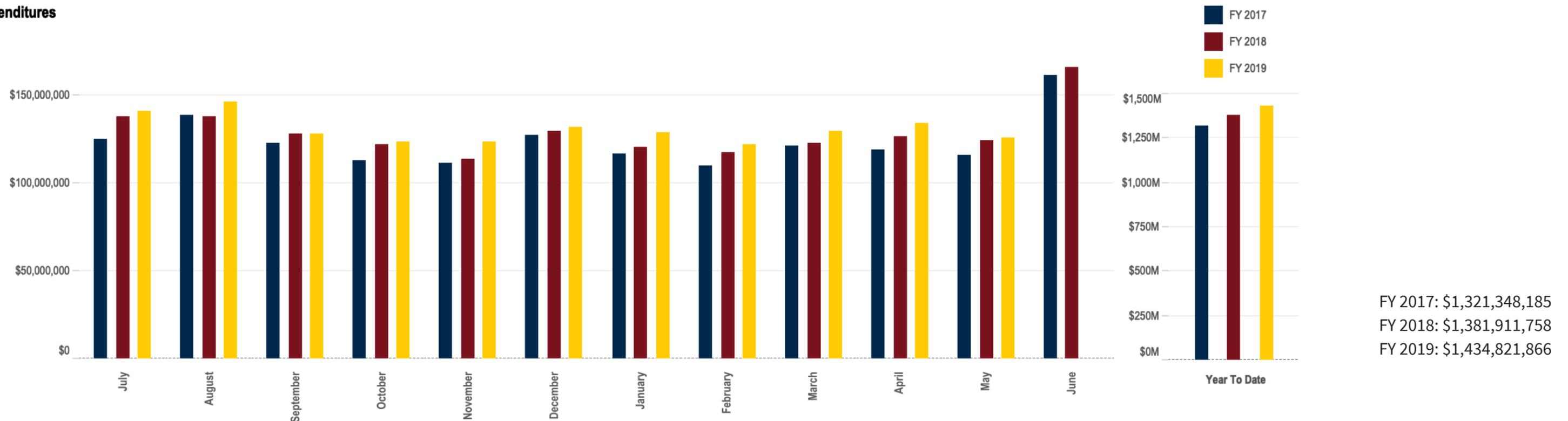
Figures 4 and 5 show the number of new research awards from external sponsors match the total from FY 2018, but their value increased by 9.9 percent when compared to the previous fiscal year — led in this reporting period by a \$3.7 million award to support the U-M Department of Dermatology.

Rebecca Cunningham, Interim Vice President for Research

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

Figure 1

Expenditures



FY 2017: \$1,321,348,185
 FY 2018: \$1,381,911,758
 FY 2019: \$1,434,821,866

Figure 2

Submissions By Count

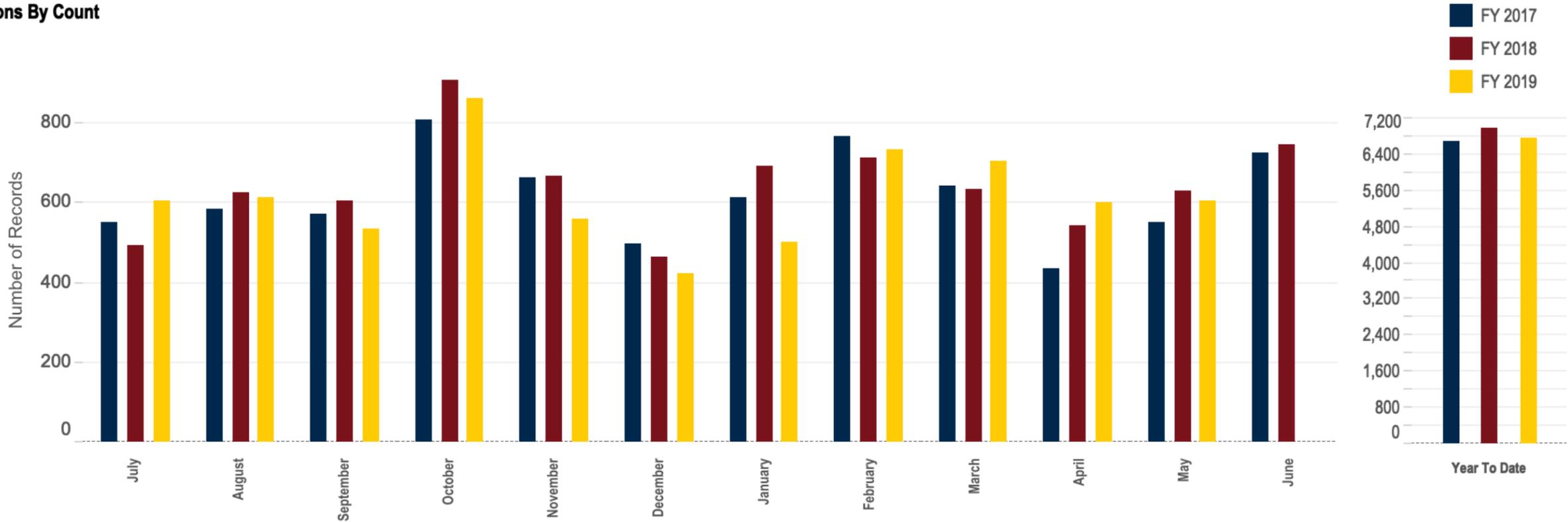


Figure 3

Submissions By Amount

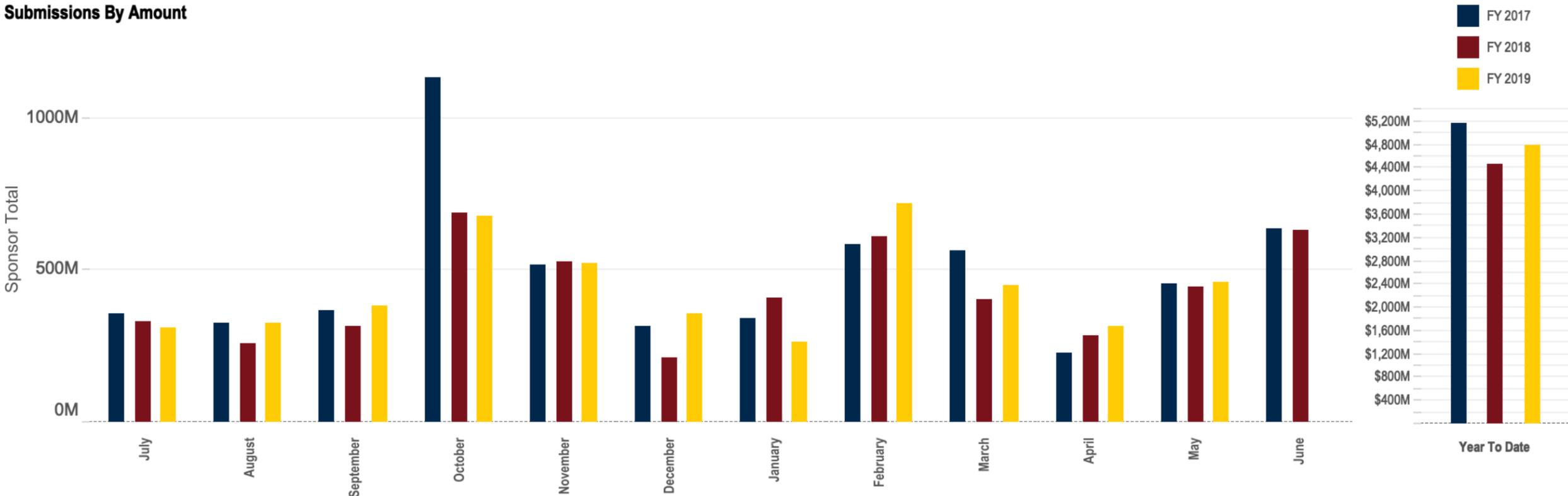


Figure 4

Awards By Count

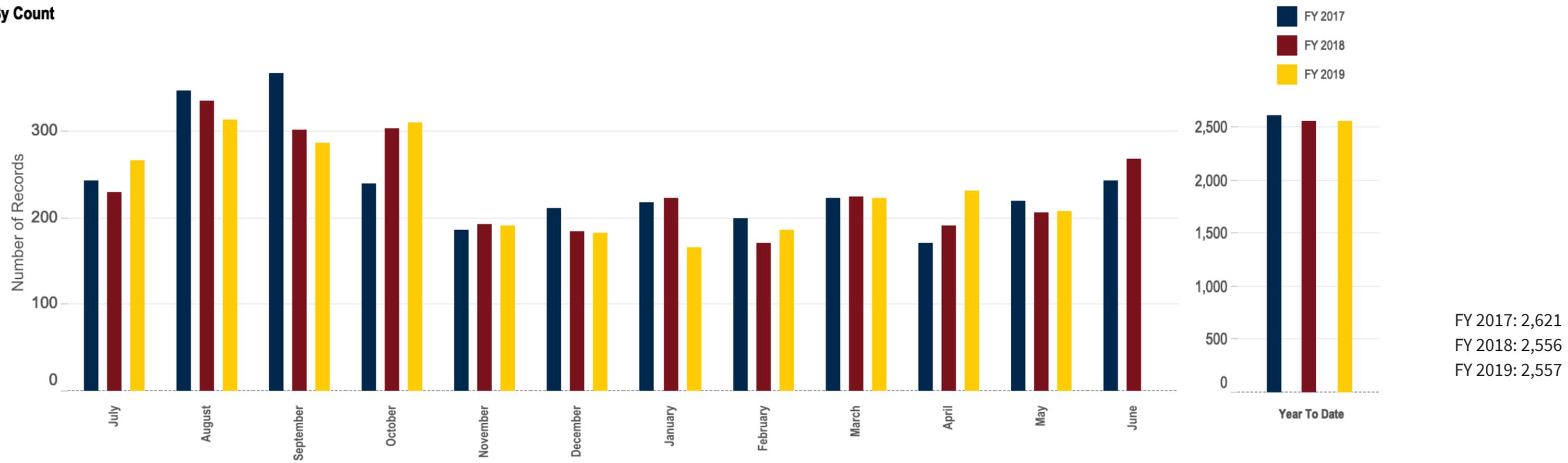


Figure 5

Awards By Amount

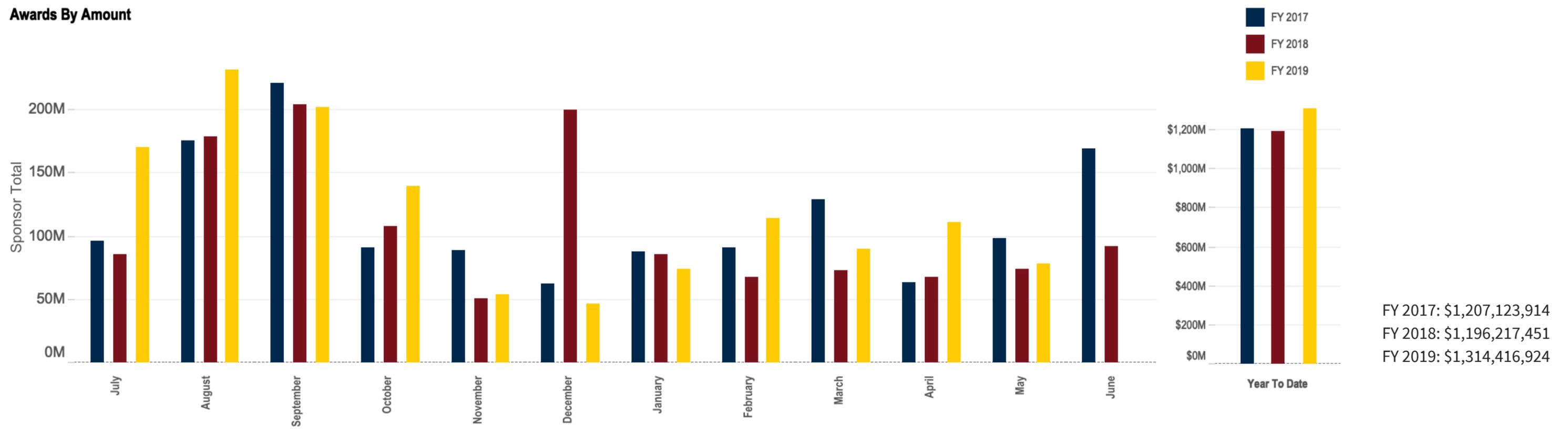


Figure 6

20 Largest Project Awards: May 2019

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Gudjonsson, Johann	Dermatology Department	University of Michigan Skin Biology and Disease Resource-based Center	Health and Human Services, Department of-National Institutes of Health	\$3,786,640	5.0
Verhey, Kristen	Cell and Developmental Biology	Kinesin Motors and Microtubule-based Trafficking	Health and Human Services, Department of-National Institutes of Health	\$3,771,410	5.0
Sangi Reddy, Pramod	Mechanical Engineering	Near-Field Radiative Heat Transfer and Energy Conversion in Nanogaps of Nano- andMeta-Structured Materials	Defense, Department of-Army, Department of the	\$3,750,000	3.0
Walter, Nils	LSA Chemistry	The RNA nanomachines of the gene expression machinery dissected at the single molecule level	Health and Human Services, Department of-National Institutes of Health	\$3,636,617	5.0
Narla, Goutham	Int Med-Genetic Medicine	Structural and molecular determinants of protein phosphatase 2A function in lung cancer	Health and Human Services, Department of-National Institutes of Health	\$3,188,120	5.0
Hadjiyski, Lubomir	Department of Radiology	Biomarker-Based Tools for Treatment Response Decision Support of Bladder Cancer	Health and Human Services, Department of-National Institutes of Health	\$3,154,182	5.0
Khoriaty, Rami	Int Med-Hematology/Oncology	The molecular pathophysiology of the congenital dyserythropoietic anemias	Health and Human Services, Department of-National Institutes of Health	\$3,073,590	5.0
Prasanna, Kartik	LSA Mathematics	RTG: Number Theory and Representation Theory at Michigan	National Science Foundation	\$2,500,000	5.0
Hogan, Simon	Mary H Weiser Food Allergy Ctr	SLC9A3 regulation of esophageal dilated intercellular spaces inEoE Subtypes	Health and Human Services, Department of-National Institutes of Health	\$2,464,604	3.9
Shakkottai, Vikram	Neurology Department	Identifying symptomatic and neuroprotective strategies for cerebellar ataxia	Health and Human Services, Department of-National Institutes of Health	\$2,427,820	5.0
Akil, Huda	Molecular & Behav Neurosc Inst	Identification of Biomarkers for Stress Vulnerability and Resilience	Defense, Department of-Navy, Department of the	\$2,323,989	3.0
Simmons, Lyle	LSA Molec./Cell./Develop. Bio	Novel mechanisms of DNA repair and cell cycle regulation in bacteria	Health and Human Services, Department of-National Institutes of Health	\$1,865,137	4.8
Anand, Sarah	Int Med-Hematology/Oncology	A Phase 2/3, Multicenter, randomized, Double-blind, placebo-controlled, study to evaluate the safety and efficacy of Alpha-1 Antitrypsin for the prevention of graft-v..	CSL Behring, LLC	\$1,788,016	5.0
Schulman, Allison	Int Med-Gastroenterology	A Randomized, Multi-Center, Pivotal Efficacy and Safety Study Evaluating theEndoBarrier® System for Glycemic Improvement in Patients with InadequatelyControlled Typ..	GI Dynamics, Inc.	\$1,512,665	3.1
Kross, Ethan	LSA Psychology	The Toolbox Project: A Randomized Controlled Trial	Templeton, John, Foundation	\$1,500,000	3.0
Luker, Gary	Department of Radiology	Imaging Metastatic Potential	Health and Human Services, Department of-National Institutes of Health-Subcontracts	\$1,472,895	5.0
Wallner, Lauren	Int Med-General Medicine	Disparities in the Delivery and Quality of Breast Cancer Survivorship Care	American Cancer Society	\$1,203,000	4.0
Forrest, Stephen	COE EECS - ECE - SSEL	From deposition to encapsulation: Roll-to-roll manufacturing of organic light emitting devices for lighting	Energy, Department of	\$1,201,526	2.0
Elder, James	Dermatology Department	Training Grant in Cell and Molecular Dermatology	Health and Human Services, Department of-National Institutes of Health	\$1,060,937	5.0
Chua, Kao-Ping	General Pediatrics	Using Default Opioid Prescription Settings to Limit Excessive Opioid Prescribing to Adolescents and Young Adults	Health and Human Services, Department of-National Institutes of Health	\$911,520	5.0