

This report summarizes the overall trends in grant and contract activity across all three campuses of the University of Michigan through the first month of fiscal year 2019, which ended July 31, 2018.

Figure 1 shows that total research expenditures through the first month of FY 2019 are ahead of the previous year by 2.1 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 in July was up 22 percent from July 2017, as shown in Figure 2. Figure 3 shows the value of those submissions is down 4.3 percent compared to FY 2018.

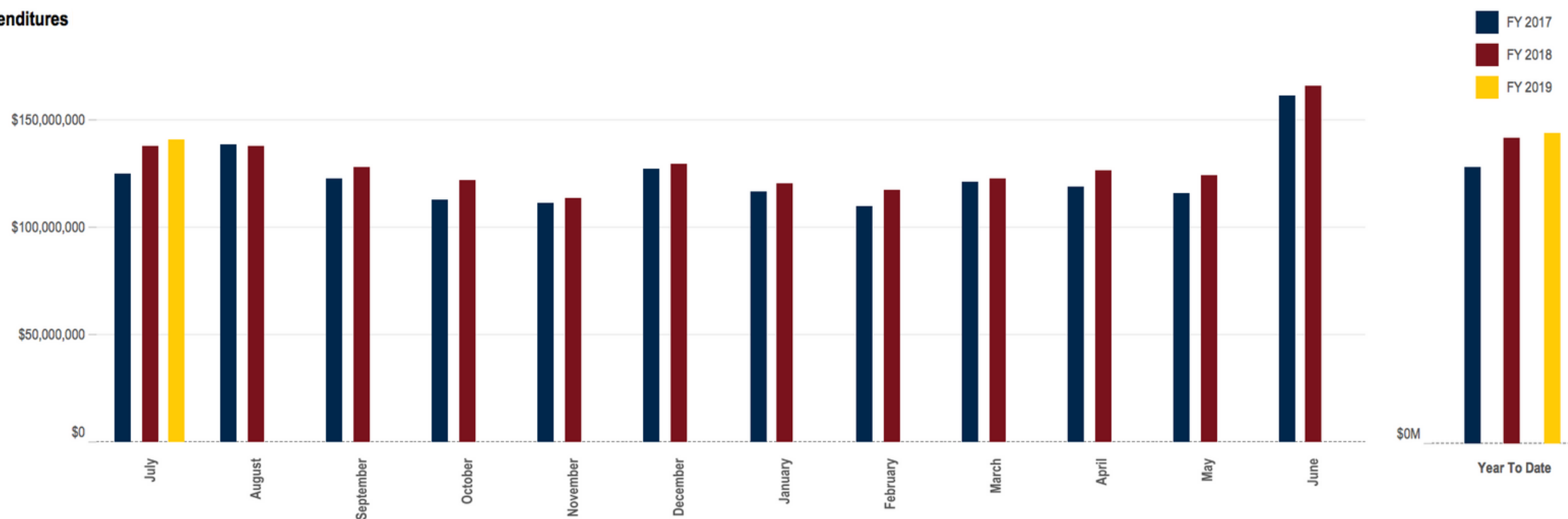
Figures 4 and 5 show the number of new research awards from external sponsors are up 21.8 percent, and their value increased by 68.2 percent when compared to the previous fiscal year—led in July by a five-year, \$32.1 million award to study brain oxygen optimization in severe traumatic brain injury.

S. Jack Hu, Vice President for Research

Daryl Weinert, Associate Vice President for Research, Business Operations

Figure 1

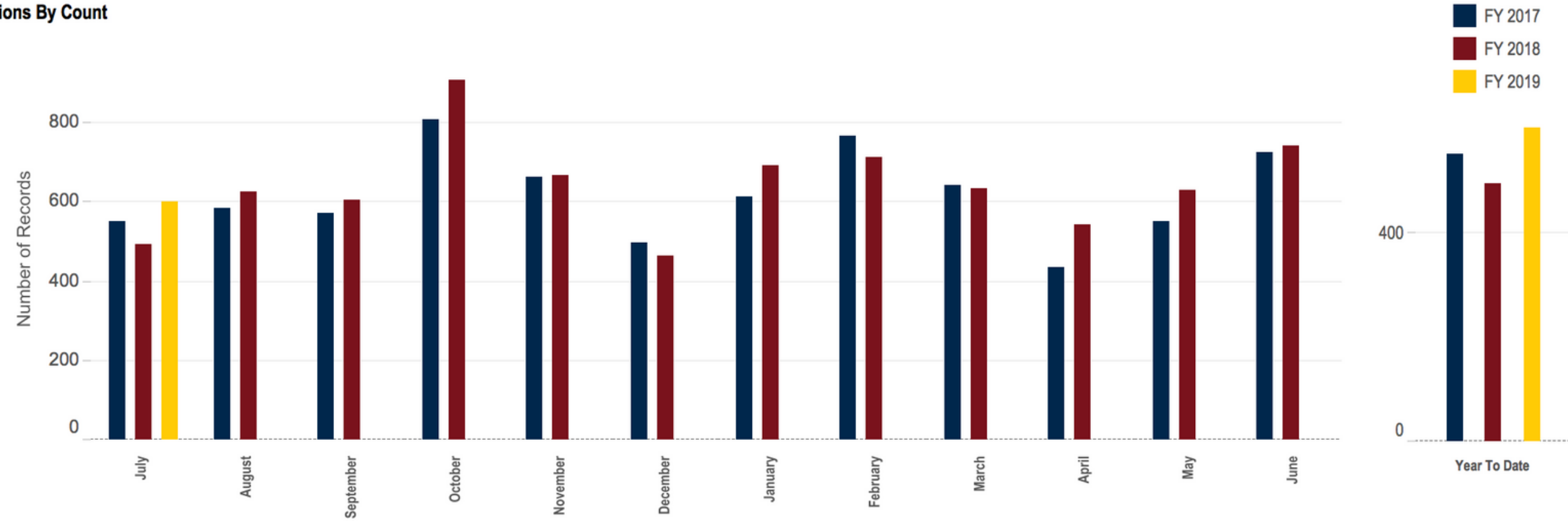
Expenditures



FY 2017: \$125,258,875
 FY 2018: \$137,887,506
 FY 2019: \$140,748,787

Figure 2

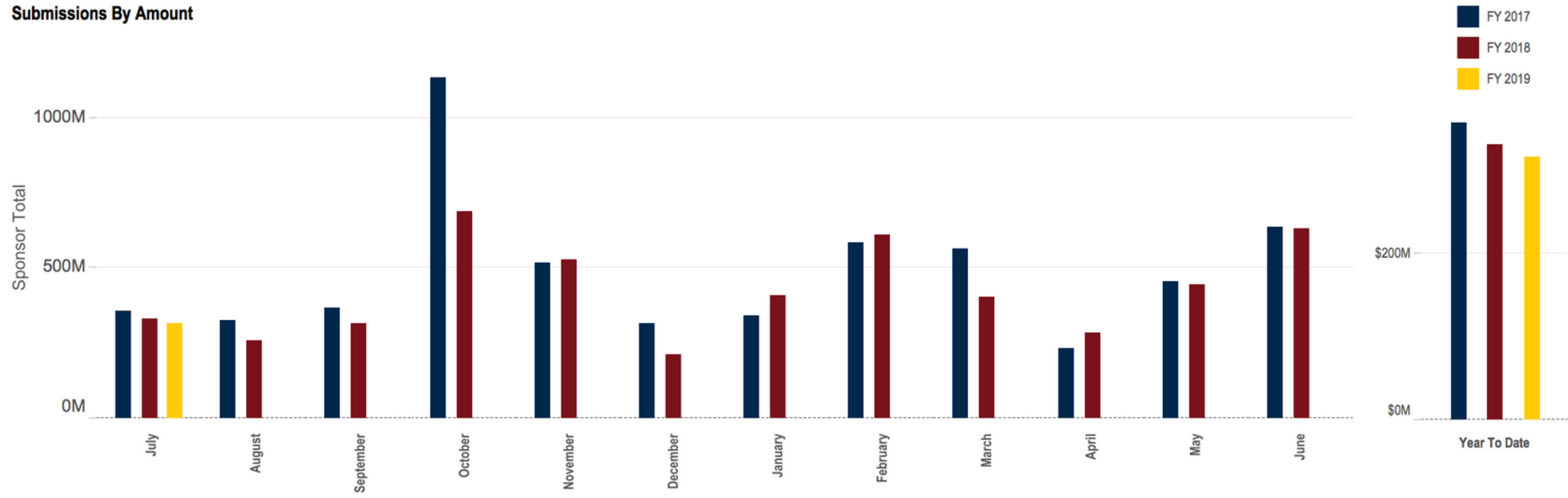
Submissions By Count



FY 2017: 554
 FY 2018: 495
 FY 2019: 604

Figure 3

Submissions By Amount



FY 2017: \$356,887,861
 FY 2018: \$329,309,885
 FY 2019: \$315,198,547

Figure 4

Awards By Count

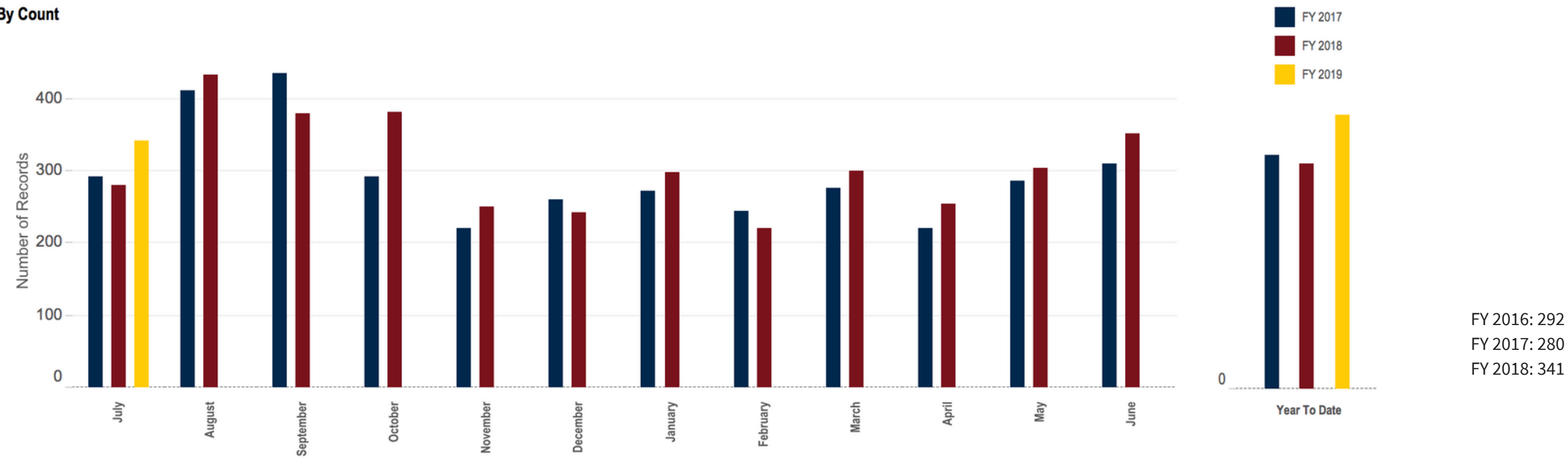


Figure 5

Awards By Amount

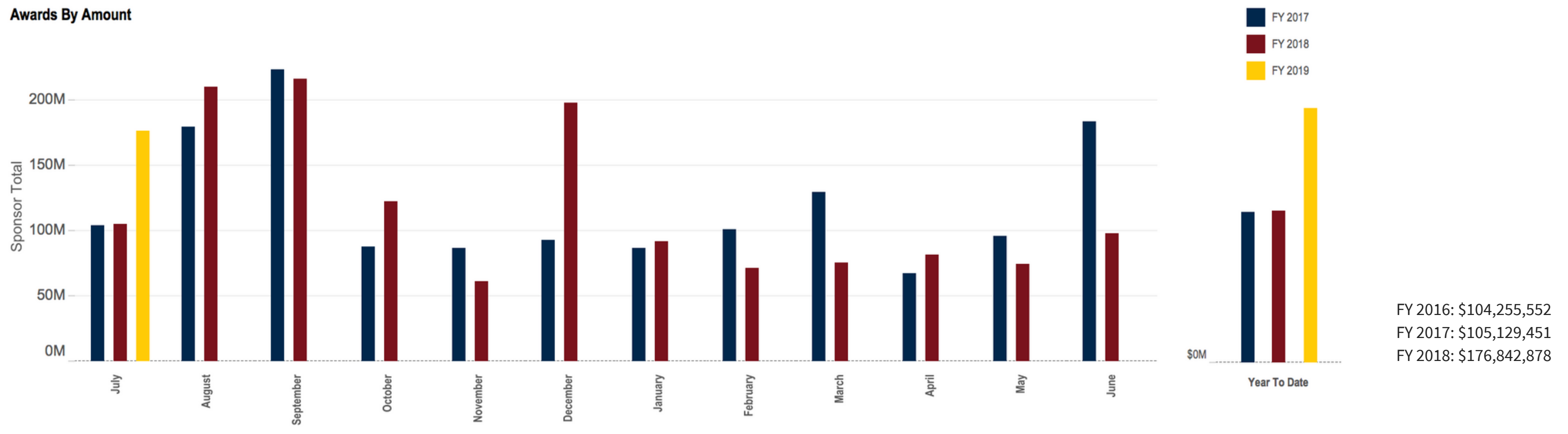


Figure 6

20 Largest Project Awards: July 2018

For a complete list, visit orsp.umich.edu/saw.

Principal Investigator	Department	Proposal Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Barsan, William	Emergency Medicine Research	Brain Oxygen Optimization in Severe Traumatic Brain Injury - Phase 3 (BOOST-3)	Health and Human Services, Department of-National Institutes of Health	\$32,127,520	5.0
Sastry, Narayan	SRC-Psid	Transitions from Preschool through High School: Family, Schools & Neighborhoods	Health and Human Services, Department of-National Institutes of Health	\$12,424,548	4.7
Solomon, Michael	Grad Schl-Fellowship Prgm	Graduate Research Fellowship Program (GRFP)	National Science Foundation	\$9,348,000	5.0
Mashour, George	MICHR - Operations	TEAMSS – Transforming Expanded Access to Maximize Support & Study	Health and Human Services, Department of-National Institutes of Health	\$4,765,535	4.9
Sandberg, David	Pediatrics-Ambulatory Care Pgm	Disorders/Differences of Sex Development (DSD) - Translational Research Network	Health and Human Services, Department of-National Institutes of Health	\$3,770,086	4.7
Liu, Mingyan	COE EECS - ECE - Cspl	Multi-Scale Network Games of Collusion and Competition	Defense, Department of-Army, Department of the	\$3,749,330	3.0
Callaghan, Brian	Neurology Department	The effect of high intensity interval training and surgical weight loss on distal symmetric polyneuropathy outcomes	Health and Human Services, Department of-National Institutes of Health	\$3,127,881	4.9
Gamarel, Kristi	Hlth Behavior & Hlth Ed Dept	A couples-based approach to HIV prevention for transgender women and their male partners	Health and Human Services, Department of-National Institutes of Health	\$2,946,906	4.8
Pennathur, Subramaniam	Int Med-Nephrology	University of Michigan O'Brien Kidney Translational Core Center	Health and Human Services, Department of-National Institutes of Health	\$2,906,848	5.0
Shore, Susan	Kresge Hearing Research Inst	Hidden Hearing Loss: A View from the Brain	Health and Human Services, Department of-National Institutes of Health	\$2,562,959	5.0
Hirth, Richard	Health Management and Policy	Health Services Research Training Years 27-32	Health and Human Services, Department of-Agency for Healthcare Research and Quality	\$2,478,552	5.0
Joglekar, Ajit	Cell and Developmental Biology	Integrative analyses of the kinetochore and the spindle assembly checkpoint	Health and Human Services, Department of-National Institutes of Health	\$2,419,139	5.0
Ryan, Andrew	Health Management and Policy	Evaluating the Effects of HACRP	Health and Human Services, Department of-Agency for Healthcare Research and Quality	\$2,401,780	4.8
Higgins, Peter	Int Med-Gastroenterology	Inhibiting Bcl-2-regulated intestinal fibrosis in models of Crohn's Disease	Health and Human Services, Department of-National Institutes of Health	\$2,336,700	4.9
Singer, Kanakadurga	Pediatrics-Endocrinology	The Role of Androgens in Obesity Induced Meta-Inflammation	Health and Human Services, Department of-National Institutes of Health	\$2,185,904	4.8
Martens, Eric	Microbiology and Immunology	Low dietary fiber and gut microbiota-induced mucus layer erosion as IBD triggers	Health and Human Services, Department of-National Institutes of Health	\$2,182,436	3.8
Kalantry, Sundeep	Human Genetics Department	Investigating Novel Modes of Epigenetic Regulation Through the Polycomb Group	Health and Human Services, Department of-National Institutes of Health	\$2,134,776	4.8
Kovelman, Ioulia	LSA Psychology	Impact of heritage language on bilingual children's path to English literacy	Health and Human Services, Department of-National Institutes of Health	\$1,975,803	4.8
Freddolino, Peter	Biological Chemistry Dept	Building a unified framework for understanding bacterial gene regulation and chromosomal architecture	Health and Human Services, Department of-National Institutes of Health	\$1,899,325	5.0
Lukacs, Nicholas	Pathology Department	Inhibition of Stem Cell Factor in Allergic Asthma	Health and Human Services, Department of-National Institutes of Health	\$1,893,764	4.0