

U-M RESEARCH AWARD AND EXPENDITURES REPORT
DECEMBER 2021

This report summarizes the overall trends in grant and contract activity across all three campuses of the University of Michigan through the fourth month of Fiscal Year 2022, which ended October 31.

Total research expenditures through the fourth month of FY22 totaled \$557 million, which is up 8.2 percent when compared to the first four months of FY21.

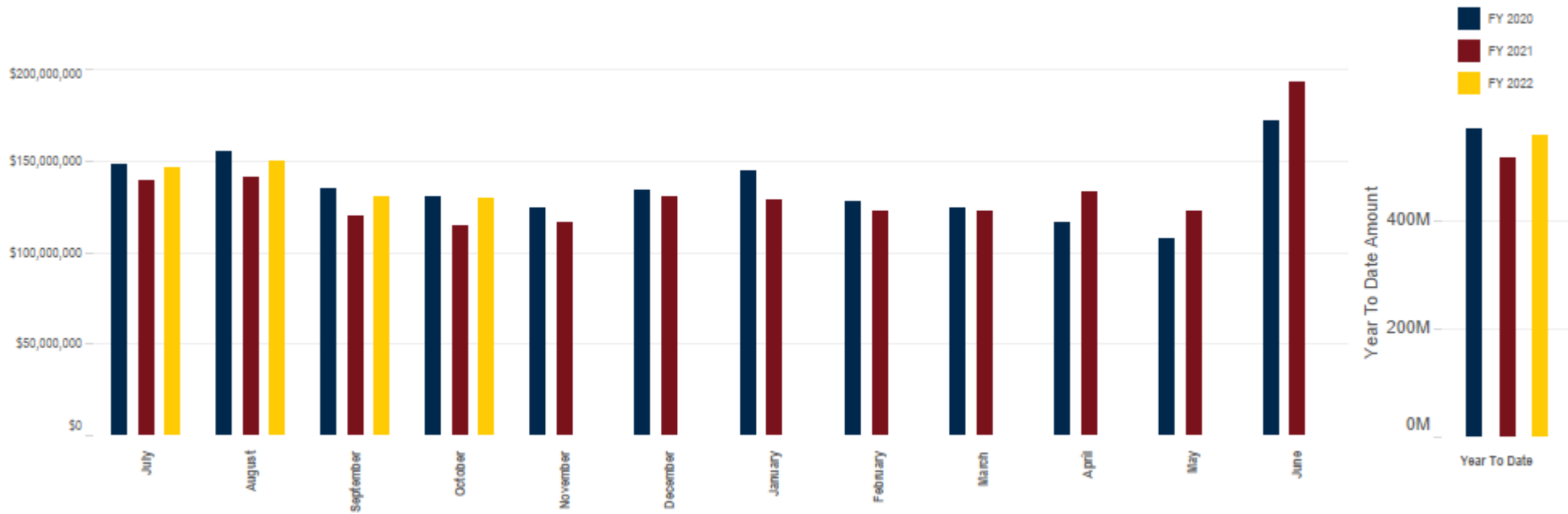
The number of research submissions through the fourth month of FY22 was down 4.9 percent, and the value of those submissions decreased by 8.9 percent when compared to October 2020.

The number of new research awards from external sponsors through the fourth month of FY22 increased by 2.9 percent, but their value decreased slightly (1.4 percent) when compared to October 2020.

Rebecca Cunningham, Vice President for Research

Craig Reynolds, Assistant Vice President for Research-Sponsored Projects

Expenditures



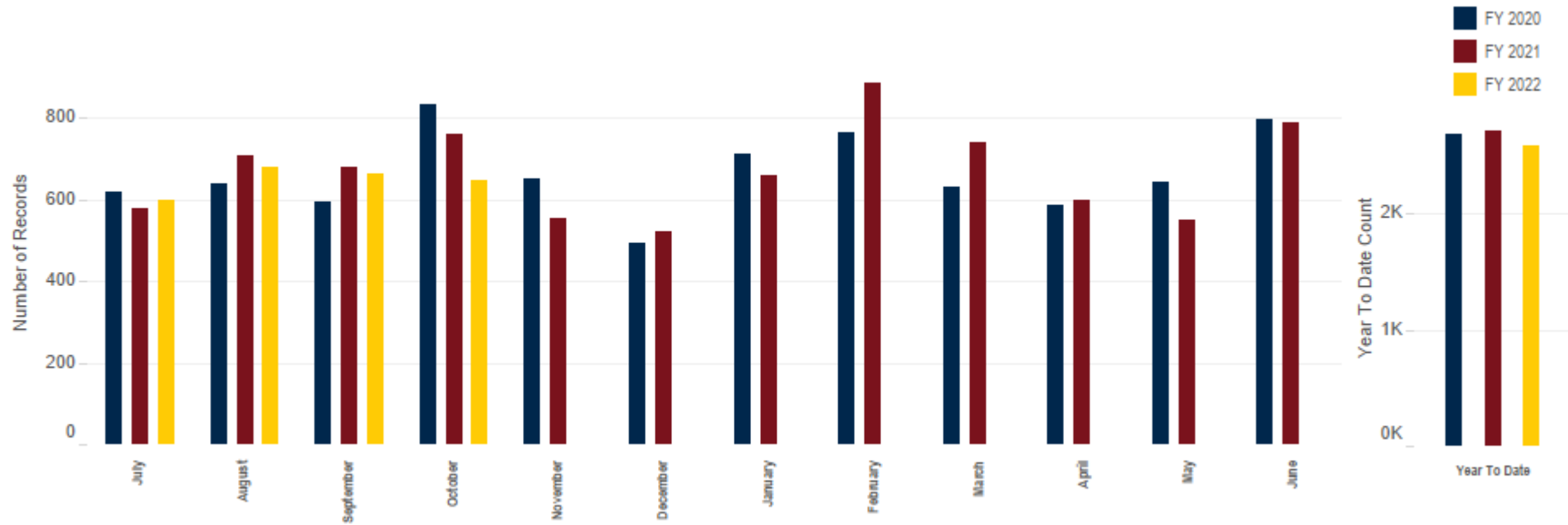
Year to Date

FY20: \$569,818,153

FY21: \$515,218,265

FY22: \$557,282,984

Submissions by Count



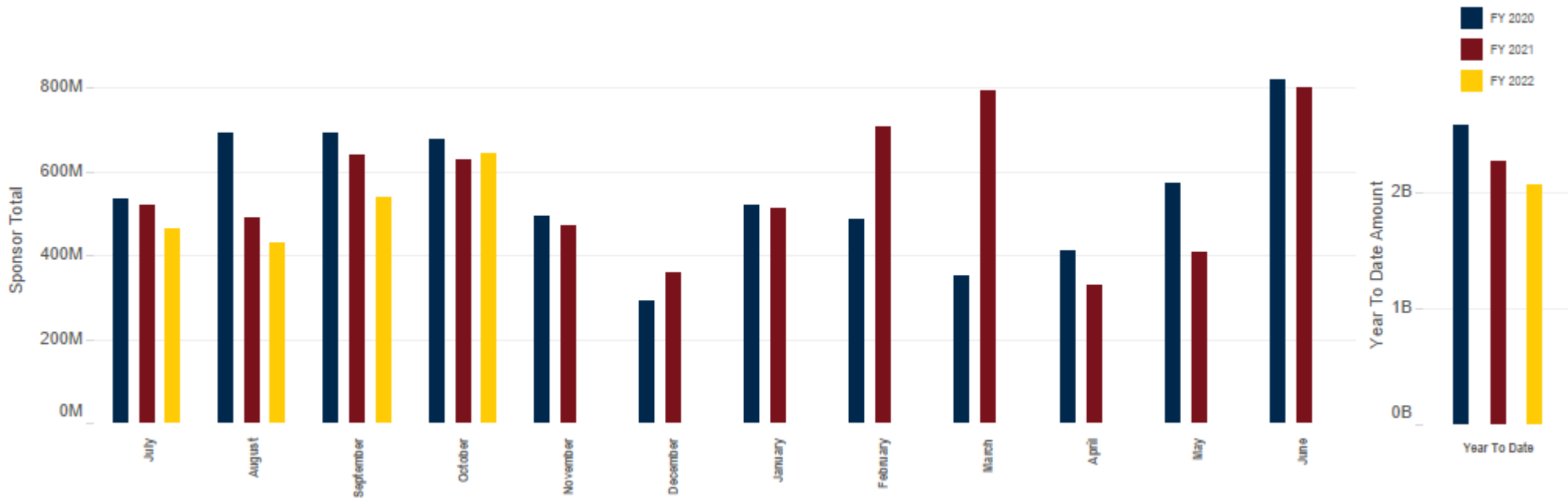
Year to Date

FY20: 2,685

FY21: 2,722

FY22: 2,589

Submissions by Amount



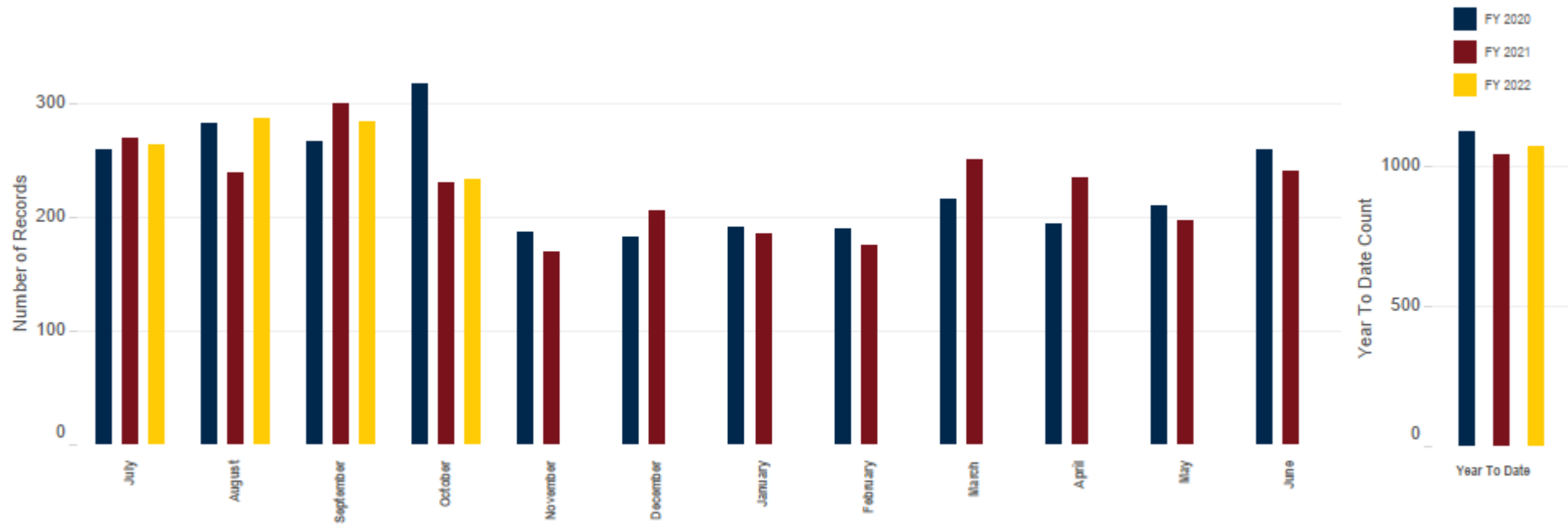
Year to Date

FY20: \$2,592,866,585

FY21: \$2,277,699,895

FY22: \$2,074,545,668

Awards by Count



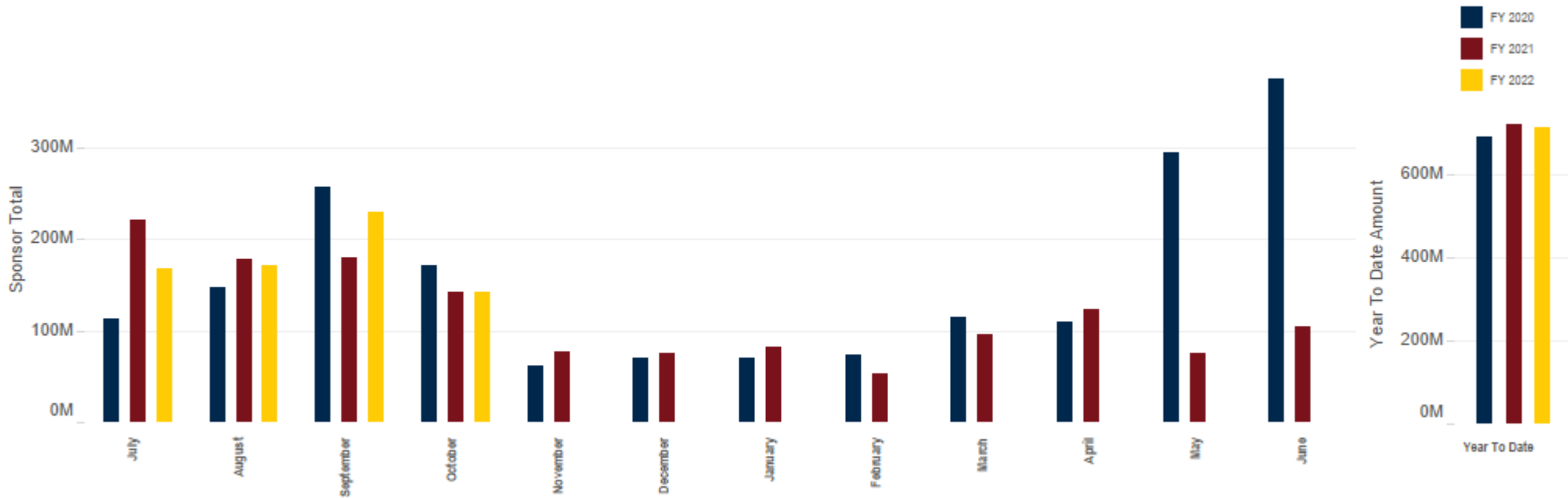
Year to Date

FY20: 1,125

FY21: 1,038

FY22: 1,068

Awards by Amount



Year to Date

FY20: \$690,335,933

FY21: \$720,515,149

FY22: \$710,180,565

Top Monthly Awards

National Science Foundation

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Kang, Jian	Biostatistics Department	SCH: New Statistical Learning Methods for Brain-Computer Interfaces	National Science Foundation	\$1,100,000	4.0
Tolbert, DeLean	Dbn Col of Eng-Indust & Sys En	CAREER: No Trees Without Roots: An Investigation of Black Families Engaging in Engineering, Innovation, and Design in Informal Spaces	National Science Foundation	\$721,479	5.0

National Institutes of Health

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Albin, Roger	MMNeurology Department	Cholinergic mechanisms of attentional-motor integration and gait dysfunction in Parkinson Disease	Health and Human Services, Department of-National Institutes of Health	\$11,669,284	4.8
Cyz, Ewa	MMPsychiatry Child Services	Adaptive intervention to prevent adolescent suicidal behavior following psychiatric hospitalization: A Sequential Multiple Assignment Randomized Trial	Health and Human Services, Department of-National Institutes of Health	\$3,542,999	4.8
Feldman, Eva	MMNeurology Department	Developing novel strategies for personalized treatment and prevention of ALS: Leveraging the global exposome, genome, epigenome, metabolome, and inflammasome with data science in a case/control cohort	Health and Human Services, Department of-National Institutes of Health	\$3,429,869	3.8

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Top Monthly Awards

Department of Defense

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Tol, Serife	Mechanical Engineering	In-Space Design Technologies Integrated with Novel Metamaterials for High-Precision Future Structures	Defense, Department of- Defense Advanced Research Projects Agency	\$1,462,397	1.5
Vaishampayan, Ulka	MMInt Med- Hematology/Oncology	University of Michigan Phase I/II Assessment in Kidney Cancer Therapeutics: (UMPAKT)	Defense, Department of- Army, Department of the	\$936,000	1.0
Deotare, Parag	COE EECS - ECE - OPT	Deciphering Thermalization of Hybrid Charge Transfer States	Defense, Department of-Air Force, Department of the	\$480,000	3.0

Department of Energy

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Forrest, Stephen	COE EECS - ECE - SSEL	Increasing the radiative rates of triplet emitters to achieve long-lived and efficient white-emitting OLEDs	Energy, Department of	\$2,249,996	3.0
Sun, Xiaodong	Nuclear Eng & Radiological Sci	CFA-21-24405; Development of a High-fidelity Flow Boiling Database for Validation of High-void-fraction Flow Regime Models (NEAMS-4)	Energy, Department of	\$700,000	3.0
Cundiff, Steven	LSA Physics	Multidimensional Coherent Spectroscopy of van der Waals materials and heterostructures	Energy, Department of	\$427,507	1.0

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Top Monthly Awards

Industry

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Swiecicki, Paul	MMInt Med-Hematology/Oncology	CTSU 2021.072 Swiecicki Regeneron R6569-ONC-1933	Regeneron Pharmaceuticals, Inc.	\$1,187,751	3.9
Swiecicki, Paul	MMInt Med-Hematology/Oncology	CTSU 2021.026 Swiecicki Ascentage APG-1387	Ascentage Pharma Group Corporation, Ltd.	\$695,875	4.8
Vaishampayan, Ulka	MMInt Med-Hematology/Oncology	CTSU-2021.040-Vaishampayan-Gilead-GS-US-548-5918	Gilead Sciences, Inc.	\$587,266	4.0

Nonprofits

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Cherry-McDaniel, Monique	SOE-TeachingWorks	Targeted TA: Teaching Works Certificate Sequence	Bill and Melinda Gates Foundation	\$500,000	2.0
Hampstead, Benjamin	MMPsychiatry-Neuropsychology	Teaching Self-Management Skills to Improve Self-Efficacy and Quality of Life for Caregiver Dyads in TBI and Dementia Populations	Kessler Foundation	\$298,751	1.0
Lee, Allen	MMInt Med-Gastroenterology	A Systems Biology Approach to Understanding Persistent Symptoms in Quiescent Crohn's Disease	Helmsley, The Leona M and Harry B. Charitable	\$270,158	2.0