



Received by the Regents
February 17, 2022

U-M RESEARCH AWARD AND EXPENDITURES REPORT
FEBRUARY 2022

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

Total research expenditures through the first six months of FY22 totaled \$828 million, which is up 8.7 percent when compared to the first half of FY21.

The number of research submissions through the first half of FY22 was down 3.4 percent, and the value of those submissions decreased 8.5 percent when compared to December 2020.

The number of new research awards from external sponsors through the first six months of FY22 increased 0.2 percent, but their value decreased 3.9 percent when compared to December 2020.

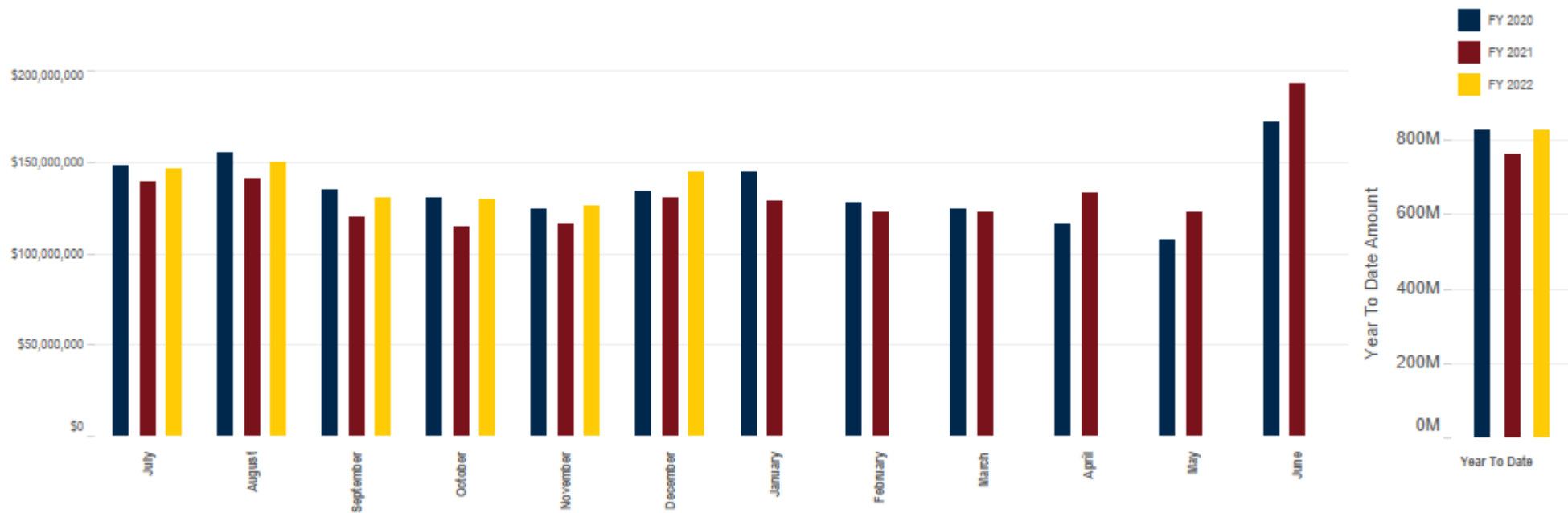
Rebecca Cunningham, Vice President for Research

Craig Reynolds, Assistant Vice President for Research-Sponsored Projects

M | RESEARCH

U-M RESEARCH AWARD AND EXPENDITURES REPORT FEBRUARY 2022

Expenditures



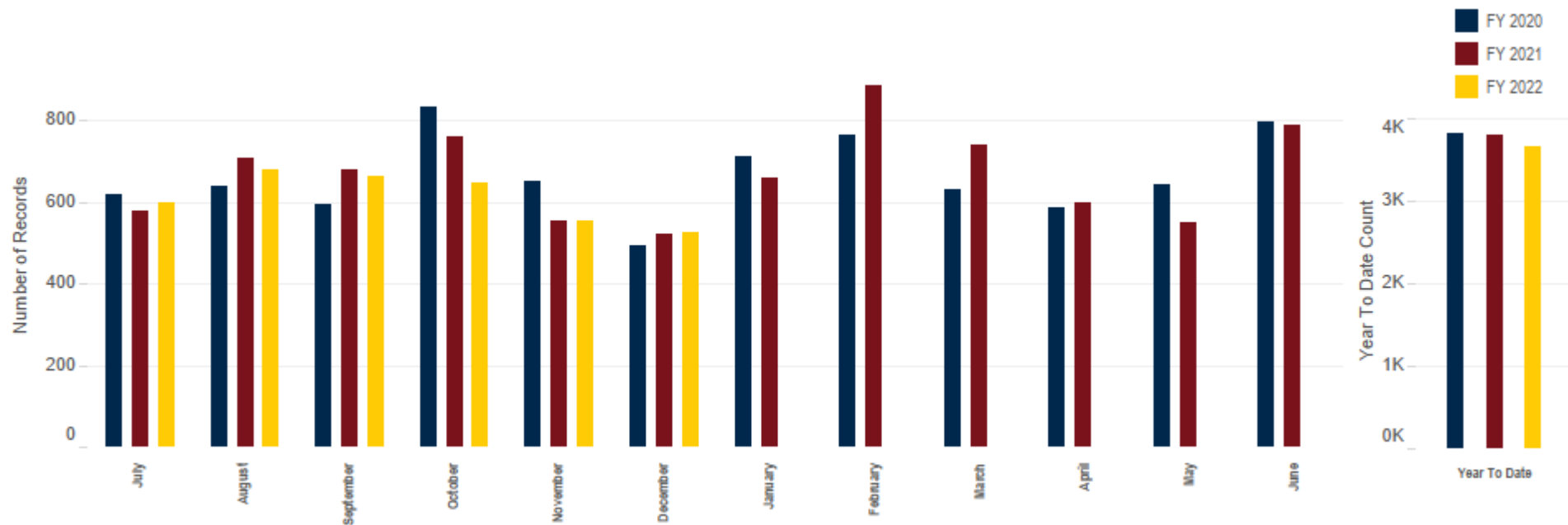
Year to Date

FY20: \$827,701,956

FY21: \$762,035,361

FY22: \$828,150,251

Submissions by Count



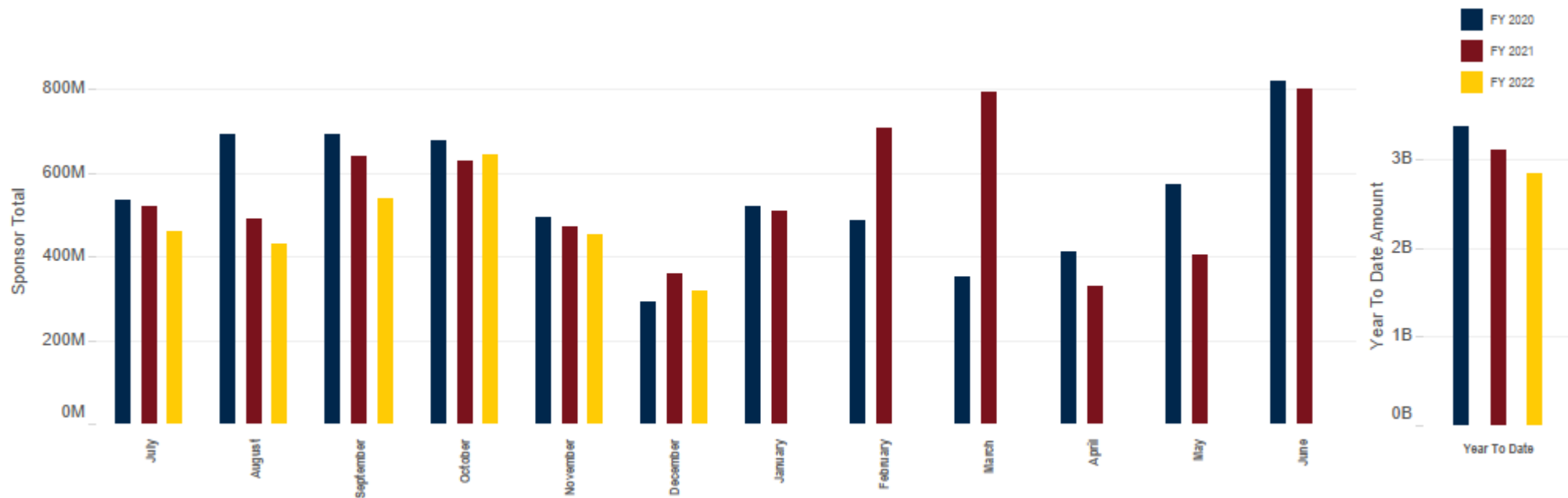
Year to Date

FY20: 3,829

FY21: 3,798

FY22: 3,667

Submissions by Amount



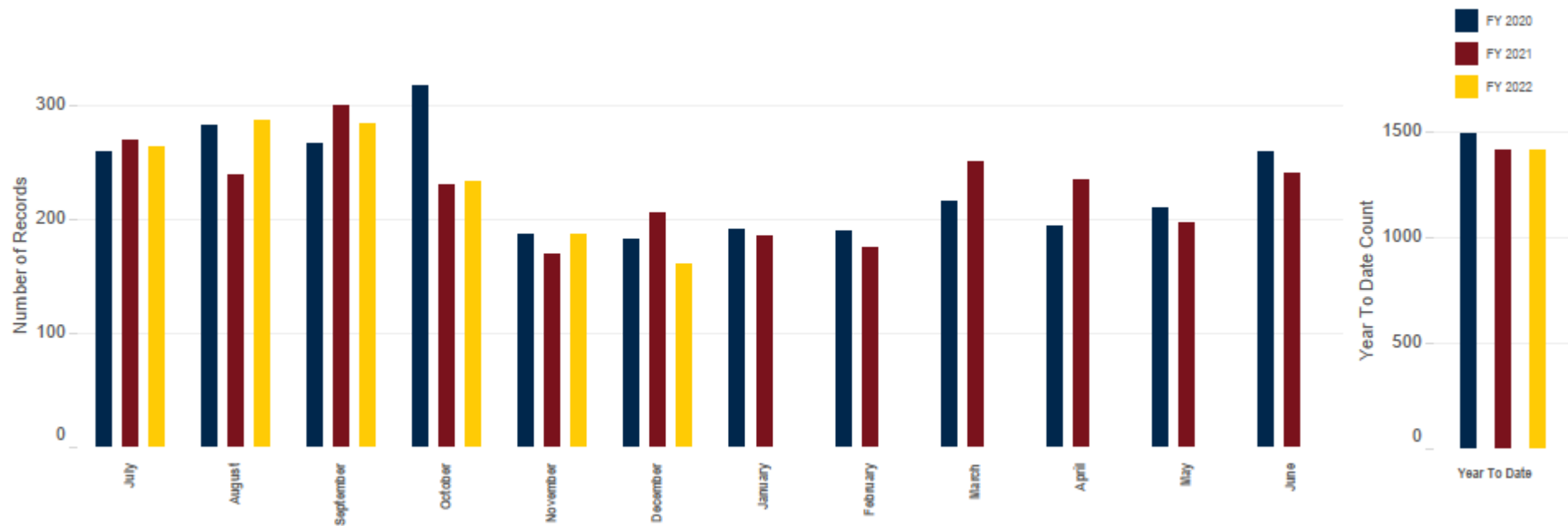
Year to Date

FY20: \$3,375,656,988

FY21: \$3,108,166,613

FY22: \$2,843,649,111

Awards by Count



Year to Date

FY20: 1,495

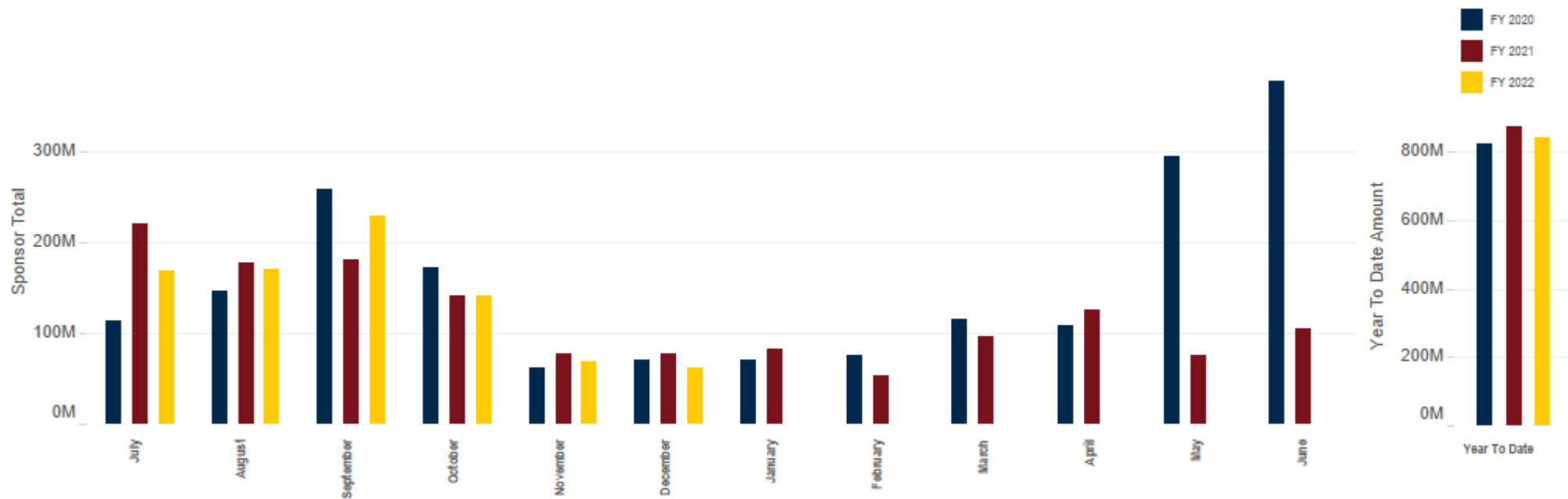
FY21: 1,412

FY22: 1,415

M | RESEARCH

U-M RESEARCH AWARD AND EXPENDITURES REPORT
FEBRUARY 2022

Awards by Amount



Year to Date

FY20: \$825,083,608

FY21: \$876,338,451

FY22: \$842,161,849



U-M RESEARCH AWARD AND EXPENDITURES REPORT FEBRUARY 2022

Top Monthly Awards

National Science Foundation

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Kurdak, Cagliyan	LSA Physics	Study of Disorder and the Emergence of a Robust Insulating Behaviour in Topological Kondo Insulator, Samarium Hexaboride	National Science Foundation	\$492,293	3.0
Liu, Fengchao	Naval Arch & Marine Dept	A novel solid-state additive manufacturing process for enabling multi-material smart structures	National Science Foundation	\$478,154	3.0
Johnson, Jena	LSA Earth & Environmental Sci.	Rethinking the Genesis of Banded Iron Formations: Simulating Partial Fe(II) Oxidation and Secondary Reactions of Iron-Silica Precipitates	National Science Foundation	\$331,331	3.0

National Institutes of Health

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Saslow, Laura	SON-Grants	Glycemic reduction approaches in polycystic ovary syndrome: a comparative effectiveness study	Health and Human Services, Department of-National Institutes of Health	\$3,047,412	5.0
Stephenson, Corey	LSA Chemistry	Free radical strategies for bioactive molecule synthesis	Health and Human Services, Department of-National Institutes of Health	\$2,918,501	5.0
Lama, Vibha	MM Int Med-Pulm./Critical Care	Pathogenesis of Restrictive Allograft Syndrome Post-Lung Transplantation	Health and Human Services, Department of-National Institutes of Health	\$2,714,448	4.0



U-M RESEARCH AWARD AND EXPENDITURES REPORT
FEBRUARY 2022

Top Monthly Awards

Department of Defense

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Schindler, Corinna	LSA Chemistry	Design and Synthesis of New Energetic Materials Based on Polynitro-Azetidines and Oxetanes	Defense, Department of-Army, Department of the	\$750,000	3.0
Borcea, Liliana	LSA Mathematics	Wave propagation and inverse scattering in heterogeneous media	Defense, Department of-Air Force, Department of the	\$499,988	3.0
Rao, Arvind	MM Comp Med and Bioinformatics	Unsupervised machine learning to identify important features for Focal Segmental Glomerulosclerosis	Defense, Department of-Army, Department of the	\$309,627	2.0



U-M RESEARCH AWARD AND EXPENDITURES REPORT FEBRUARY 2022

Top Monthly Awards

Industry

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
Gudjonsson, Johann	MM Dermatology Department	Deep Immunophenotyping and Genotyping in Patients with Atopic Dermatitis	Janssen Pharmaceuticals, Inc.	\$9,998,419	10.0
Pawarode, Attaphol	MM Int Med-Hematology/Oncology	A single-arm, multi-center, open-label proof of concept safety and efficacy study of FCR001 cell-based therapy in adults with rapidly progressive diffuse cutaneous systemic sclerosis at risk for organ failure	Talaristx Therapeutics	\$1,142,036	6.0
Moles, Victor	MM Int Med-Cardiology	An Open-Label Long-term Follow-up Study to Evaluate the Effects of Sotatercept When Added to Background Pulmonary Arterial Hypertension (PAH) Therapy for the Treatment of PAH	Accelaron Pharma Inc	\$789,145	7.0

Nonprofits

Principal Investigator	Department	Award Title	Sponsor	Award Sponsor Total	Estimated Award Duration (years)
McKay, Timothy	LSA Dean: Undergrad. Education	Transfer Bridges to the Humanities Renewal and Expansion	The Andrew W. Mellon Foundation	\$2,756,000	3.5
Deng, Hui	LSA Physics	Polariton Fractional Quantum Hall States for Topological Quantum Computing	Gordon E. and Betty I. Moore Foundation	\$1,835,137	4.0
Dutta, Deba	Flint Student Aid Need Based	Go Blue Guarantee (GBG)	Charles Stewart Mott Foundation	\$1,000,000	2.0