MONTCLAIR STATE UNIVERSITY

Office of Sponsored Programs

ANNUAL REPORT: FISCAL YEAR 2019
Report of Sponsored Programs Activity for the Period
7/1/18-6/30/19

Prepared by the Office of Sponsored Programs
Winter, 2019/2020

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Table of Contents

I.	**Report Overview**	3
II.	**Fiscal Year 2019 "At-a-Glance"**	4
III.	**Proposals Submitted**	
	Proposals Submitted and Proposed Dollar Amount by College/Division (FY 18/19)	5
	Total Number and Dollar Volume of Proposals Submitted by College/Division (FY 15- FY 19)	6
	Number and Total of Proposals submitted by College (FY 15-FY 19)	7
	Proposals Submitted by Sponsor Type (FY 18/19)	8
	MSU Proposal Activity 10 Year Historical (FY 10-FY 19)	9
IV.	**Awards Received**	
	Total Number and Dollar Volume of Awards Received by College/Division (FY 18/19)	10
	Total Dollar Volume of Awards Received College/Division (FY 15-FY 19)	11
	Total Number and Dollar Volume of Awards Received by College (FY 15-FY 19)	12
	Awards Received by Sponsor Type (FY 19)	13
	Awards Received by Federal Agency (FY 18/19)	14
	MSU Award Activity 10 Year Historical (FY 10-FY 19)	15
	Awards Received by Activity Type (FY 18/19)	16
	Detailed Awards Analysis (FY 18/19)	17-19
V.	**Internal Awards Program Summary** (FY 18-FY 20)	20
VI.	**Sponsored Programs Expense Activity** (FY 18/19)	21
VII.	**Campus, Region and Community Impact: Highlighted Activities in FY 19**	22-24
VIII.	**OSP Outreach Activities and Professional Development in FY 19**	25-27
IX.	**Annual Report: Proposals Submitted by MSU Faculty and Staff** (FY 2019)	
X.	**Annual Report: Awards Received by MSU Faculty and Staff** (FY 2019)	

Report Overview:

This report highlights sponsored program activities for the period 07/1/18 to 6/30/19 (FY 19), providing comparative data as well as historical trends. It also provides detailed information on the types of sponsored program activities occurring at Montclair State University (MSU) and data on student, post-doctoral, and trainee involvement in those activities. Also included are written narratives highlighting some of the many projects affecting local communities, as well as Office of Sponsored Programs (OSP) outreach and professional development activities in FY 2019.

The Year in Brief:

Major Achievements: Building upon MSU's status and recognition as a state designated public research university, in FY 19, Montclair State University gained a "Research 2" designation from the Carnegie Classification of Institutions of Higher Education. The R2 classification of MSU as a Doctoral Granting/High Research Activity recognizes the growth of our doctoral research programs, and research and development expenditures as measured by the National Science Foundation's HERD Survey. This hallmark achievement speaks directly to the talent and dedication our research and doctoral faculty and staff, and places us in an even better position to compete regionally and nationally in a very competitive funding environment.

Also, in FY 19, Montclair State University joined Rutgers, Rowan, NJIT and Stevens Institute of Technology on the "Research with New Jersey" Initiative. This initiative, led by Vice Provost for Research and Dean of the Graduate School, Scott Herness, created New Jersey's very first research database. ResearchwithNJ "*helps businesses and entrepreneurs identify and collaborate with our top universities and experts. This free database will help you discover thousands of experts in science, technology, engineering and mathematics (STEM) as well as their professional backgrounds, publications, and achievements."*

Awards and Proposals: In FY 19, MSU faculty and staff were awarded $12.8M externally sponsored funding, the 2nd largest award year in MSU history, only surpassed by FY18's total of $17.85M. 167 proposals were submitted in FY 19—a 5% increase from the previous year. Underlying these numbers is the fact that MSU's competitiveness in attracting federal funding for its research and other programmatic activities has grown by nearly 20% annually! The National Science Foundation remains MSU's leading federal sponsor, although an increasing number of grants are being submitted to and awarded by the National Institutes of Health. *And, excitingly, a record breaking $15.9M has already been received through the first 7 months in FY 2020!*

On large institutional grants (e.g., Department of Education Title III and Title V) universities are increasingly working with experienced outside consulting firms to bolster competitiveness. In FY 19, Dana Natale in OSP collaborated with an outside consulting group and a very strong team in University College, led by Drs. David Hood and Danielle Insalaco-Egan to submit its very first Title III Department of Education Proposal, "Strengthening Institutions," which landed a perfect score and was subsequently awarded in FY 20! This $2.2M project will fund comprehensive student success and retention initiative.

On behalf of OSP, we congratulate MSU faculty and staff for their continued excellence and celebrate their invaluable contributions as we move forward along our path as a dynamic and vibrant research university!

Sincerely,

Frederic "Ted" Russo, Director, Office of Sponsored Programs
Dr. Scott Herness, Vice Provost for Research; Dean, The Graduate School

Fiscal Year 2019 "At-a-Glance"
A Summary of FY 19 Sponsored Programs Activity
(with comparative FY 18 data)

		FY 18	FY 19	% Change
I. Number of Proposal Submissions		**158**	**167**	**5.70%**
II. Total Proposed Dollar Amount				
	Direct Costs	59,441,558	34,135,578	**-42.57%**
	Indirect Costs	7,381,801	7,550,261	**2.28%**
Total		**$66,823,359**	**$41,685,839**	**-37.62%**

	FY 18	FY 19	
III. Number of Award Actions	**84**	**76**	**-9.52%**

IV. Total Awarded Dollar Amount		**FY 18**	**FY 19**	
	Direct Costs	16,201,703	11,198,508	**-30.88%**
	Indirect Costs	1,654,512	1,382,745	**-16.43%**
Total		**$17,856,215**	**$12,581,253**	**-29.54%**

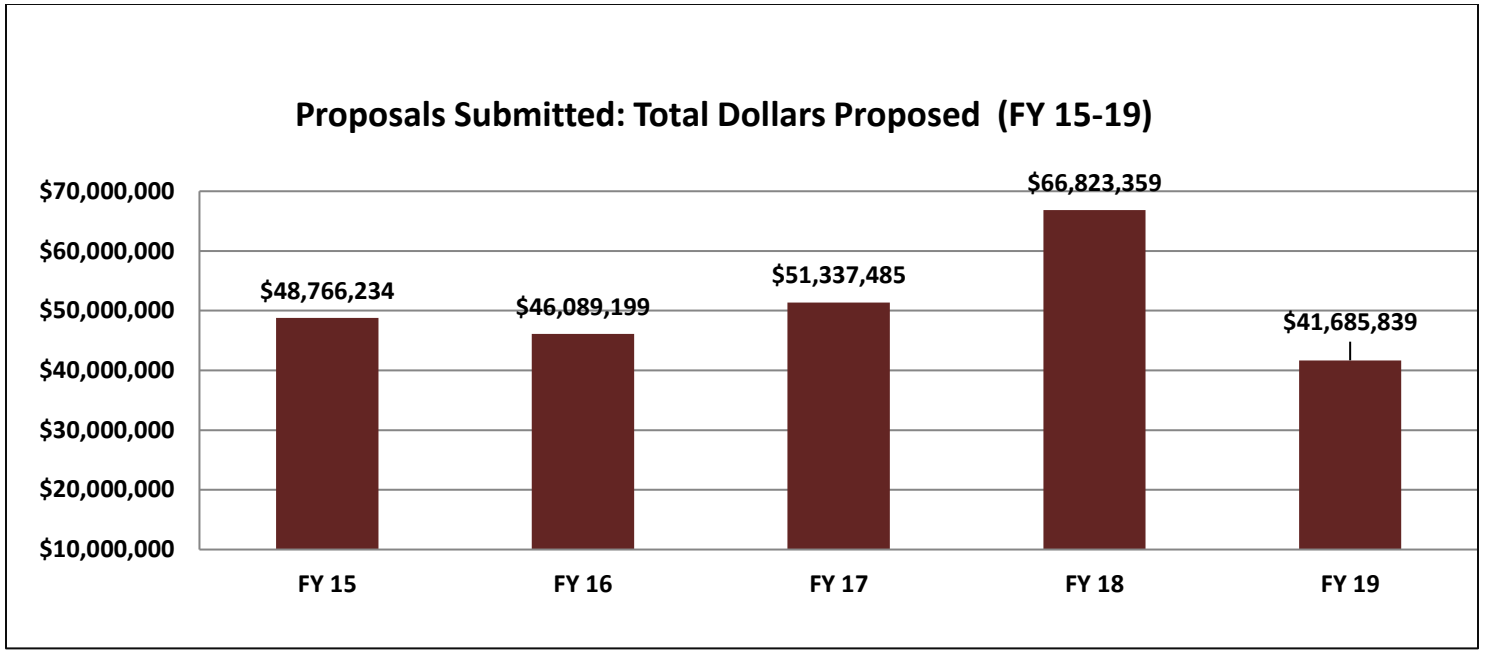
VI. Expense Activity*		**FY 18**	**FY 19**	
	Direct Expenses	15,152,806	16,540,095	**9.16%**
	Indirect Expenses	1,335,626	1,456,001	**9.01%**
Total		**$16,488,432**	**$17,996,096**	**9.14%**

***Expense activity: Sponsored programs expenditures to include salary and wages, fringe benefits, equipment costs, other direct costs, and indirect costs. (Provided by the Division of Finance & Treasury.)**

Montclair State University: Proposals Submitted and Proposed Dollar Amount by College/Division (FY 18 & FY 19)

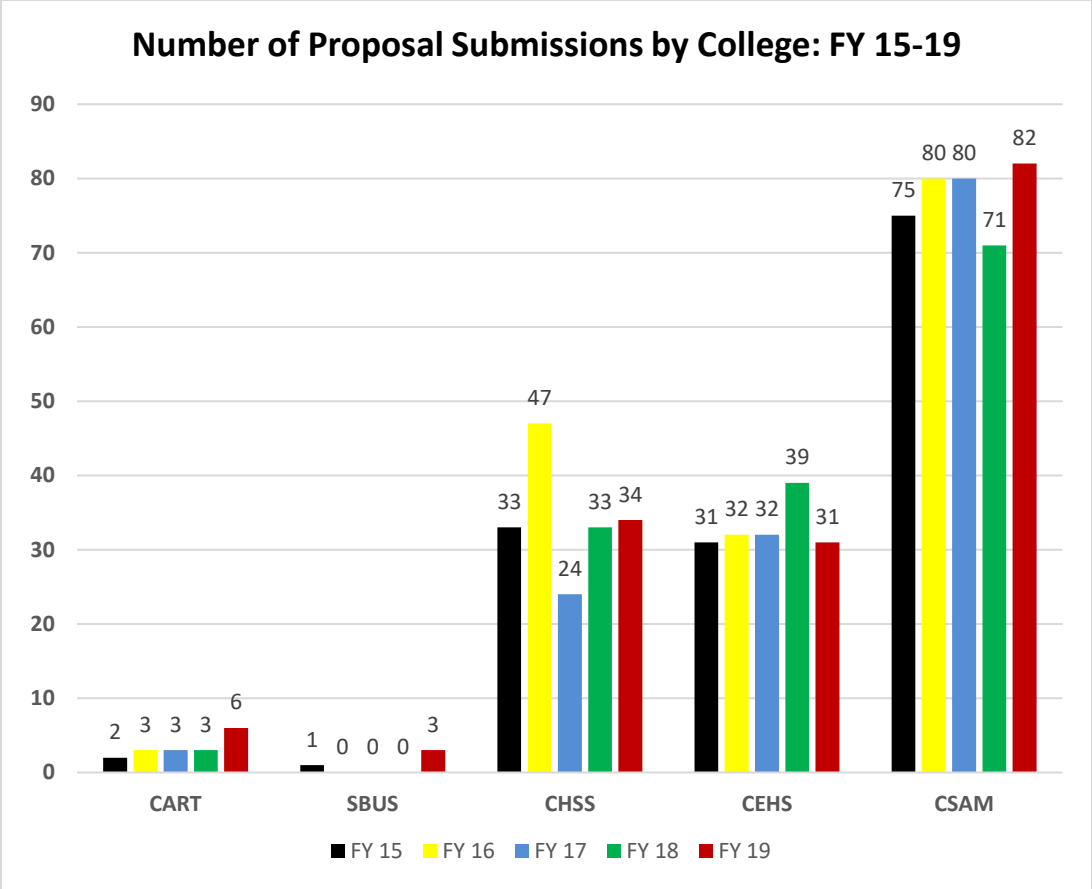
	Fiscal Year 2018 (July 1, 2017-June 30, 2018)				Fiscal Year 2019 (July 1, 2018-June 30, 2019)				*% change Total Dollars Proposed (FY 18 to FY 19)*
College / Division	**Number of Proposals Submitted**	**% of Total Proposals Submitted**	**Proposed Dollar Amount**	**% of Total Dollars Proposed**	**Number of Proposals Submitted**	**% of Total Proposals Submitted**	**Proposed Dollar Amount**	**% of Total Dollars Proposed**	
CART	3	1.90%	64,325	0.10%	6	3.59%	156,778	0.38%	143.73%
CEHS	39	24.68%	24,655,248	36.90%	31	18.56%	8,335,990	20.00%	-66.19%
CHSS	33	20.89%	8,520,930	12.75%	34	20.36%	10,265,979	24.63%	20.48%
CSAM	71	44.94%	31,607,918	47.30%	82	49.10%	19,222,200	46.11%	-39.19%
SBUS	-	-	-	-	3	1.80%	263,178	0.63%	-
*OTHER	12	7.59%	1,974,938	2.96%	11	6.59%	3,441,714	8.26%	74.27%
Total	**158**	**100.00%**	**$66,823,359**	**100.00%**	**167**	**100.00%**	**$41,685,839**	**100.00%**	**-37.62%**

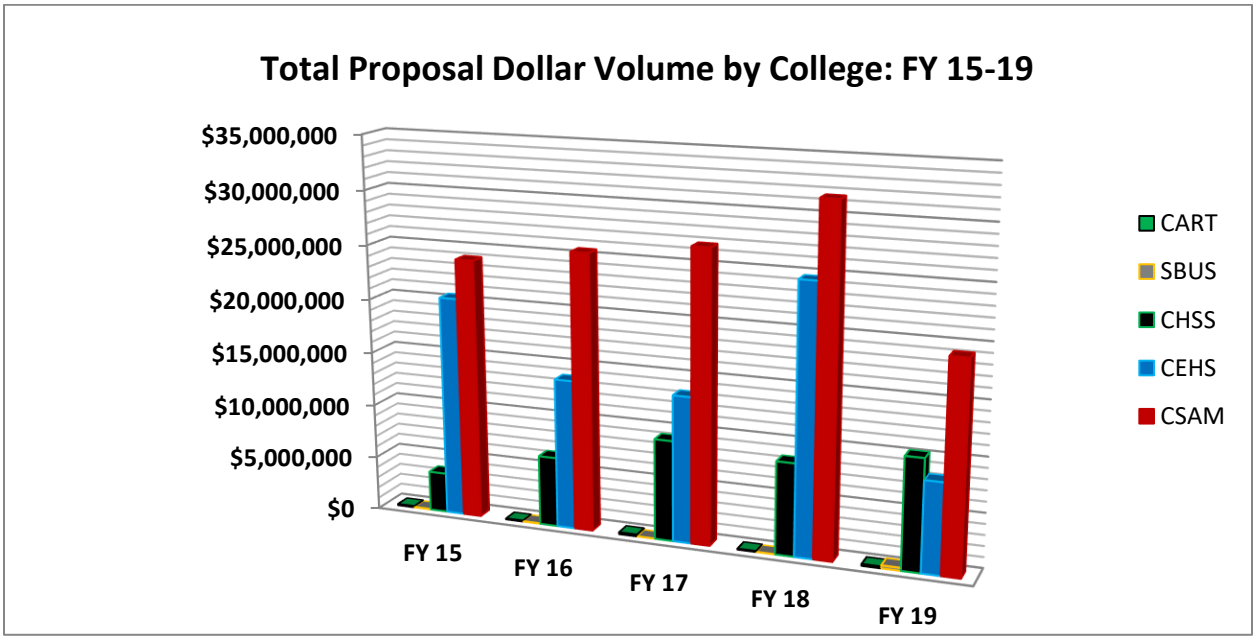
***Other includes Student Development and Campus Life (SDCL), Center for Community Engagement, Office of the Provost, International Engagement, Research Academy for University Learning, Library Services, and University Facilities.**

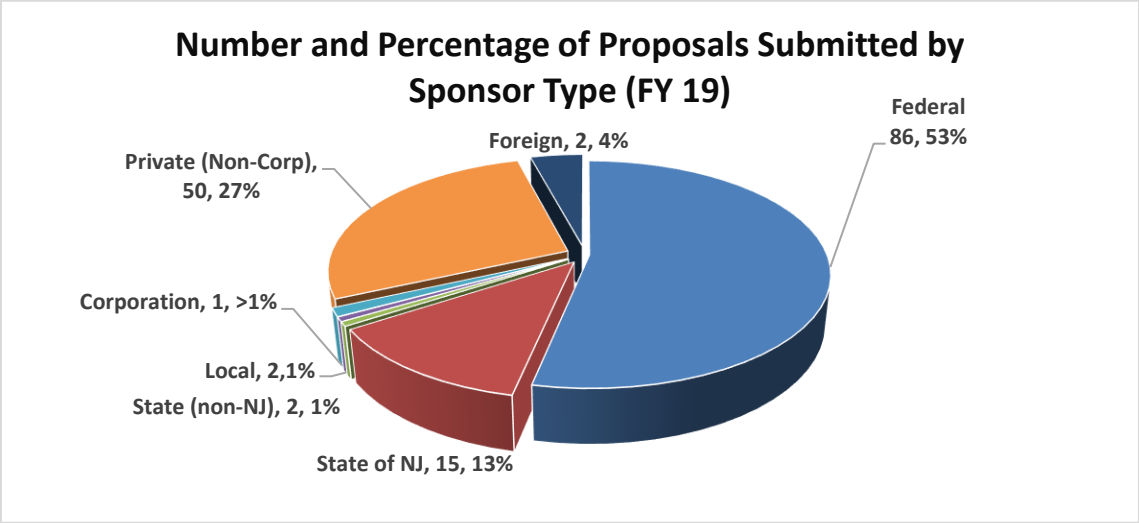


Proposals Submitted: Total Dollars Proposed by College/Division (FY 15-19)

College / Division	FY 15	FY 16	FY 17	FY 18	FY 19	% change FY 15-19
College of the Arts (CART)	105,000	72,828	155,000	64,325	156,778	33.03%
College of Education and Human Services (CEHS)	20,402,539	13,823,475	13,471,809	24,655,248	8,335,990	-144.75%
College of Humanities and Social Sciences (CHSS)	3,700,499	6,468,559	9,291,226	8,520,930	10,265,979	63.95%
College of Science and Mathematics (CSAM)	24,039,004	25,526,495	26,794,952	31,607,918	19,222,200	-25.06%
School of Business (SBUS)	30,300	26,080	-	-	263,178	88.49%
Other Programs	488,892	171,762	1,624,498	1,974,938	3,441,714	85.80%
Totals:	**$48,766,234**	**$46,089,199**	**$51,337,485**	**$66,823,359**	**$41,685,839**	**-16.99%**


Number of Proposal Submissions by College: FY 15-19
90
80
70
60
50
40
30
20
10
0
2 3 3 3 6
1 0 0 0 3
33 47 24 33 34
31 32 32 39 31
75 80 80 71 82
CART
SBUS
CHSS
CEHS
CSAM
FY 15
FY 16
FY 17
FY 18
FY 19

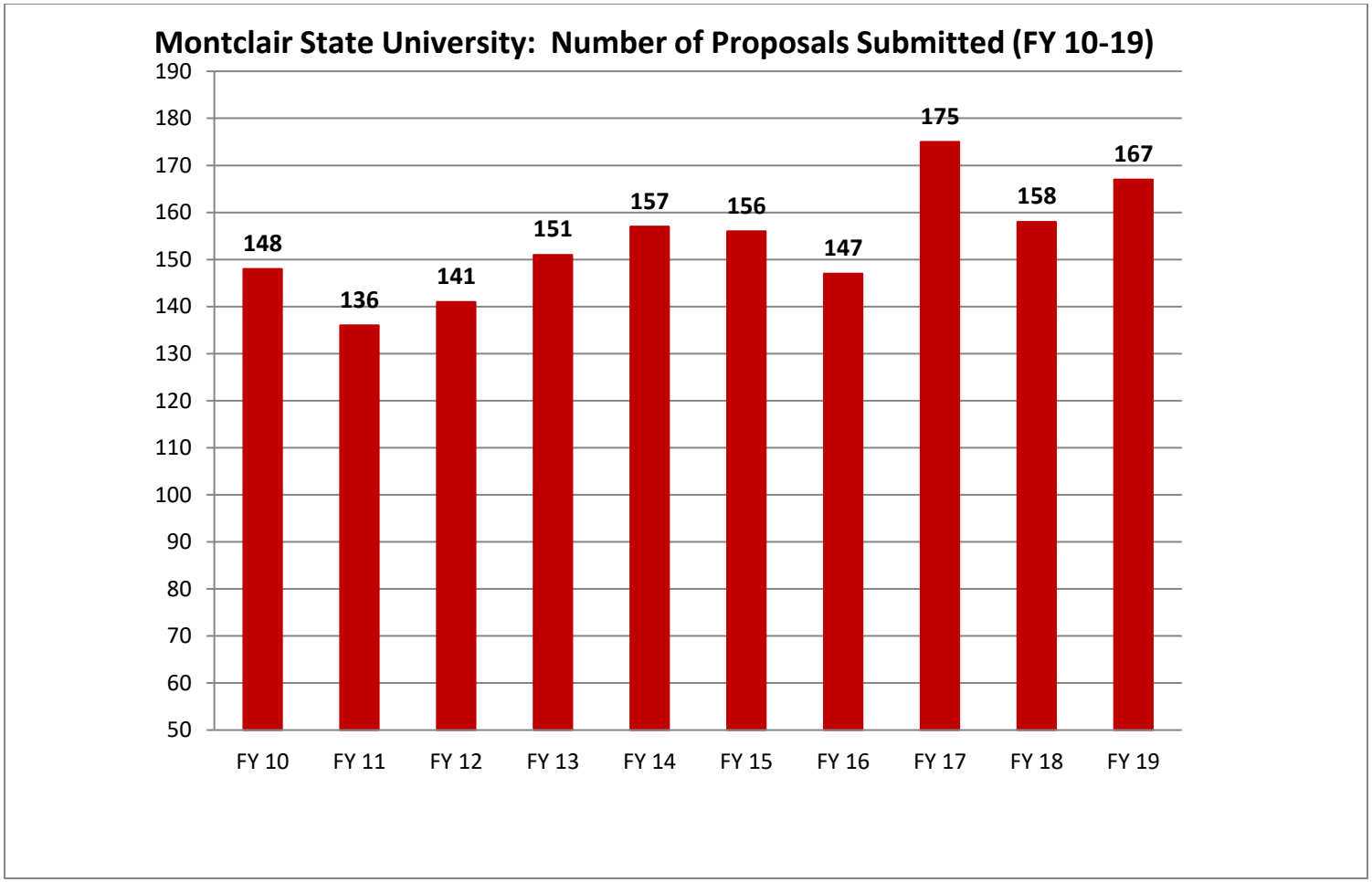

Total Proposal Dollar Volume by College: FY 15-19
$35,000,000
$30,000,000
$25,000,000
$20,000,000
$15,000,000
$10,000,000
$5,000,000
$0
FY 15
FY 16
FY 17
FY 18
FY 19
CART
SBUS
CHSS
CEHS
CSAM



Proposed Dollar Amount by Sponsor Type: FY 18/19

	FY 18	FY 19	% change
Federal	43,659,515	31,458,584	-38.78%
State	12,424,935	4,335,457	-186.59%
State (Non-NJ)	71,698	92,684	22.64%
Local	36,485	5,000	-629.70%
Corporation	127,600	156,872	18.66%
Private (Non-Corp)	10,469,801	5,300,240	-97.53%
Foreign	33,325	337,002	90.11%
Total	**$66,823,359**	**$41,685,839**	-60.30%
Average Proposal Amount	**$431,118**	**$258,918.25**	-66.51%

***Average proposal request is adjusted for submissions (e.g. preliminary proposals) in which budgets are not requested.**

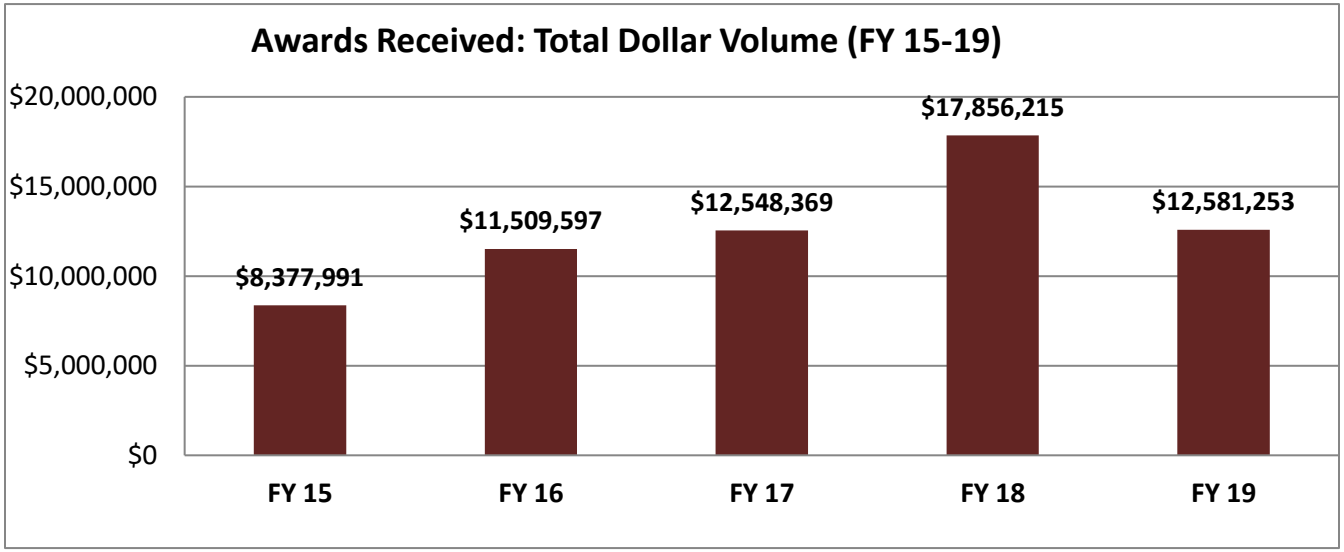


Over the past 10 years, the total number of proposals submitted has increased steadily from year to year, with an average growth rate of 3% per year since FY 10. The total dollar volume of proposals submitted has increased an average of 11.2% over the past 10 years.

Montclair State University: Awards Received and Awarded Dollar Amount by College/Division (FY 18 & FY 19)

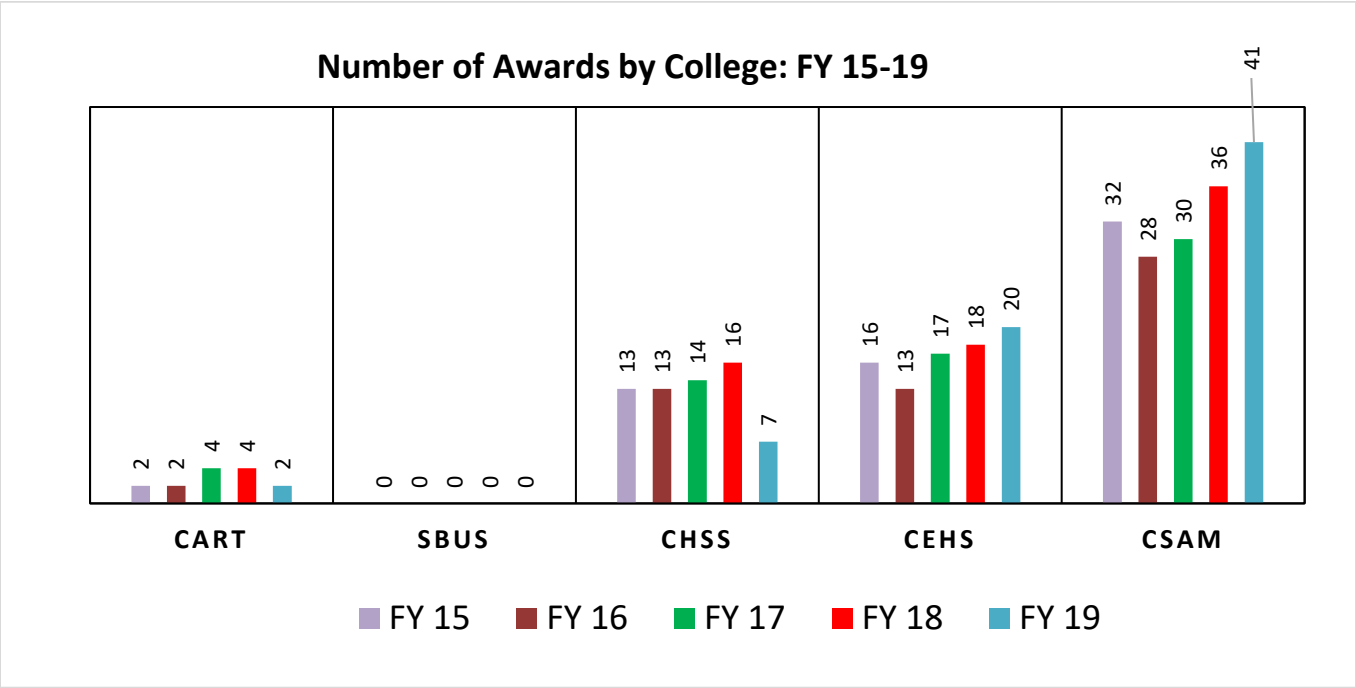
	Fiscal Year 2018 (July 1, 2017-June 30, 2018)				Fiscal Year 2019 (July 1, 2018-June 30, 2019)				*% change Total Dollars Awarded (FY 18 to FY 19)*
College / Division	**Number of Awards Received**	**% of Total Awards Received**	**Awarded Dollar Amount**	**% of Total Dollars Awarded**	**Number of Awards Received**	**% of Total Awards Received**	**Awarded Dollar Amount**	**% of Total Dollars Awarded**	
CART	4	4.76%	81,617	0.46%	2	2.63%	67,292	0.53%	-17.55%
CEHS	18	21.43%	10,573,722	59.22%	20	26.32%	5,779,128	45.93%	-45.34%
CHSS	16	19.05%	624,226	3.50%	7	9.21%	717,160	5.70%	14.89%
CSAM	36	42.86%	5,532,978	30.99%	41	53.95%	5,092,942	40.48%	-7.95%
SBUS	-	-	-	-	-	-	-	-	-
*OTHER	10	11.90%	1,043,672	5.84%	6	7.89%	924,731	7.35%	-11.40%
Total	**84**	**100.00%**	**$17,856,215**	**100.00%**	**76**	**100.00%**	**$12,581,253**	**100.00%**	**-29.54%**

***Other Includes Center for Community Engagement, Office of International Engagement, Library Services, Student Development and Campus Life (SDCL), and University Facilities.**



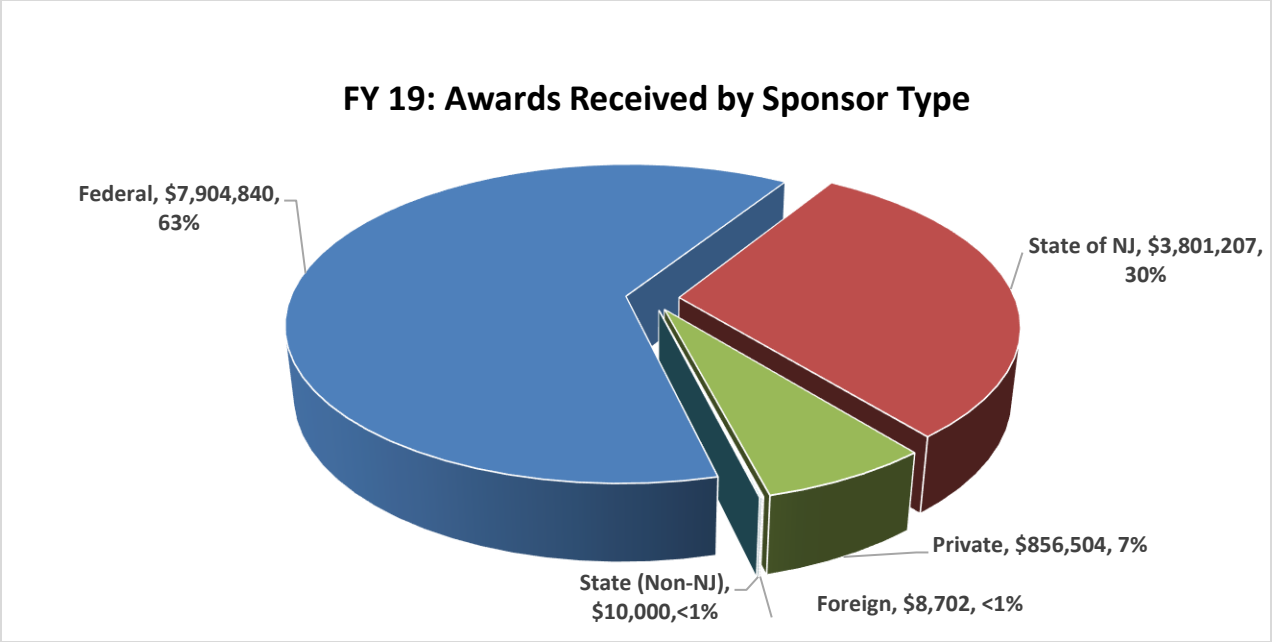
Awards Received: Total Dollar Volume by College/Division (FY 15-19)

College / Division	FY 15	FY 16	FY 17	FY 18	FY 19	(% change FY 18/19)
College of the Arts (CART)	62,341	62,341	148,009	81,617	67,292	-17.55%
College of Education and Human Services (CEHS)	3,340,479	7,604,079	4,818,927	10,573,722	5,779,128	-45.34%
College of Humanities and Social Sciences (CHSS)	1,293,645	1,221,716	1,335,092	624,226	717,160	14.89%
College of Science and Mathematics (CSAM)	2,865,528	1,836,473	5,267,098	5,532,978	5,092,942	-7.95%
School of Business (SBUS)	-	-	-	-	-	-
*Other Sponsored Programs	815,998	784,988	979,243	1,833,180	924,731	-49.56%
Totals:	**$8,377,991**	**$11,509,597**	**$12,548,369**	**$17,856,215**	**$12,581,253**	**-29.54%**



Total Awards by College (FY 15-19)

	FY 15	FY 16	FY 17	FY 18	FY 19	% change (FY 15-19)
CART	$62,341	$62,341	$148,009	$81,617	$67,292	7.94%
SBUS	-	-	-	-	-	0.00%
CHSS	$1,293,645	$1,221,716	$1,335,092	$624,226	$717,160	-44.56%
CEHS	$3,340,479	$7,604,079	$4,818,927	$10,573,722	$5,779,128	73.00%
CSAM	$2,865,528	$1,836,473	$5,267,098	$5,532,978	$5,092,942	77.73%
Total	**$7,561,993**	**$10,724,609**	**$11,569,126**	**$16,812,543**	**$11,656,522**	**54.15%**



Total Awards Received by Sponsor Type (FY 18/19)

	FY 18	FY 19	% change
Federal	$7,787,596	$7,904,840	1.51%
State of NJ	$3,009,401	$3,801,207	26.31%
State (non-NJ)	-	$10,000	-
Local	$2,169	-	-
Private	$7,025,065	$856,504	-87.81%
Foreign	$31,984	$8,702	-72.79%
Total	**$17,856,215**	**$12,581,253**	**-29.54%**

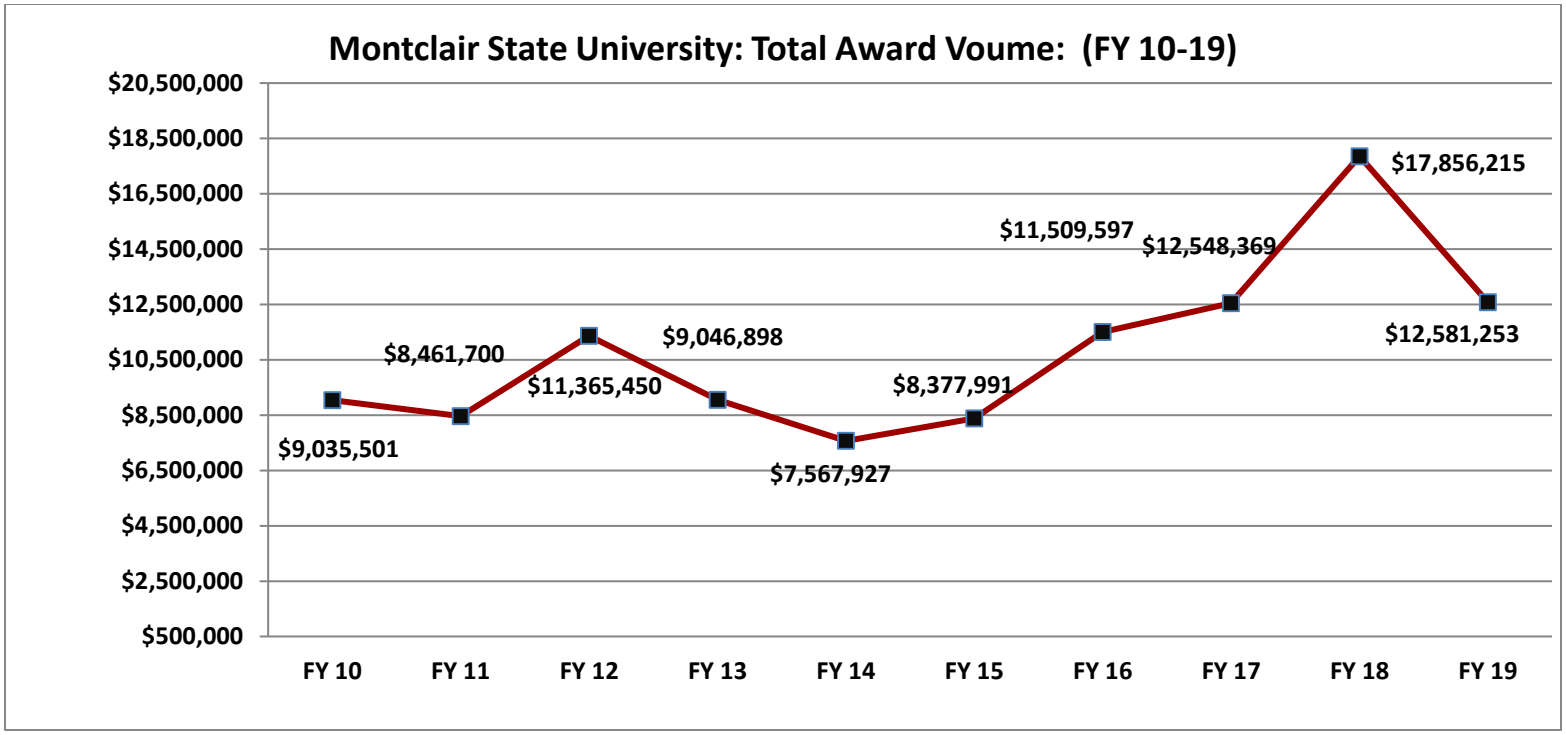
Total Number of Awards Received by Sponsor Type (FY 18/19)

	FY 18	FY 19	% change
Federal	41	47	14.63%
State of NJ	15	14	-6.67%
State (non-NJ)	-	1	-
Local	1	-	-
Private	23	12	-47.83%
Foreign	4	2	-50.00%
Total	**84**	**76**	**-9.52%**

Total Number of Awards Received and Awarded Amount by Federal Sponsor (FY 18/19)

	FY 18				FY 19				
Sponsor	**Number**	**Amount**	**% Total**	**Avg. Award Amount**	**Number**	**Amount**	**% Total**	**Avg. Award Amount**	**% change total amount awarded: FY 18/19**
National Science Foundation	13	$2,954,636	37.94%	$227,280	20	$3,330,096	42.13%	$166,504.80	**12.71%**
National Institutes of Health	7	$1,091,969	14.02%	$155,996	6	$1,243,233	15.73%	$207,205.48	**13.85%**
Department of Education	3	$1,928,357	24.76%	$642,786	5	$2,331,536	29.50%	$466,307.20	**20.91%**
Department of Defense	1	$195,953	2.52%	$195,953	-	-	-	-	**-**
Department of Agriculture	2	$346,441	4.45%	$173,221	-	-	-	-	**-**
Department of Energy	-	-	-	-	-	-	-	-	**-**
Department of Justice	-	-	-	-	1	122200	1.55%	$122,200.00	**-**
DHHS	4	$543,289	6.98%	$135,822	3	$169,471	2.14%	$56,490.33	**-68.81%**
Department of State	1	$55,891	0.72%	$55,891	1	$52,315	0.66%	$52,315.00	**-6.40%**
Corporation for National and Community Service	1	$295,747	3.80%	$295,747	1	$365,518	4.62%	$365,518.00	**23.59%**
EPA	3	$148,679	1.91%	$49,560	1	$19,000	0.24%	$19,000.00	**-87.22%**
National Endowment for the Humanities	-	-	-	-	1	$49,783	0.63%	$49,783.00	**-**
NASA	3	$114,288	1.47%	$38,096	2	$74,549	0.94%	$37,274.50	**-34.77%**
NOAA	2	$82,346	1.06%	$41,173	-	-	-	-	-
U.S. Department of the Interior	1	$30,000	0.39%	-	5	$49,447	0.63%	$9,889.40	**64.82%**
USAID					1	$97,692	1.24%	$97,692.00	**-**
Totals	**41**	**$7,787,596**	**100.00%**	**$189,941**	**47**	**$7,904,840**	**100.00%**	**$168,188.08**	**1.51%**

Federal awards to MSU (largely competitively peer reviewed) increased by 1.5% in FY 19. Over the past 5 years, federally funded awards have increased by an average of 19.91% over the past 5 fiscal years.

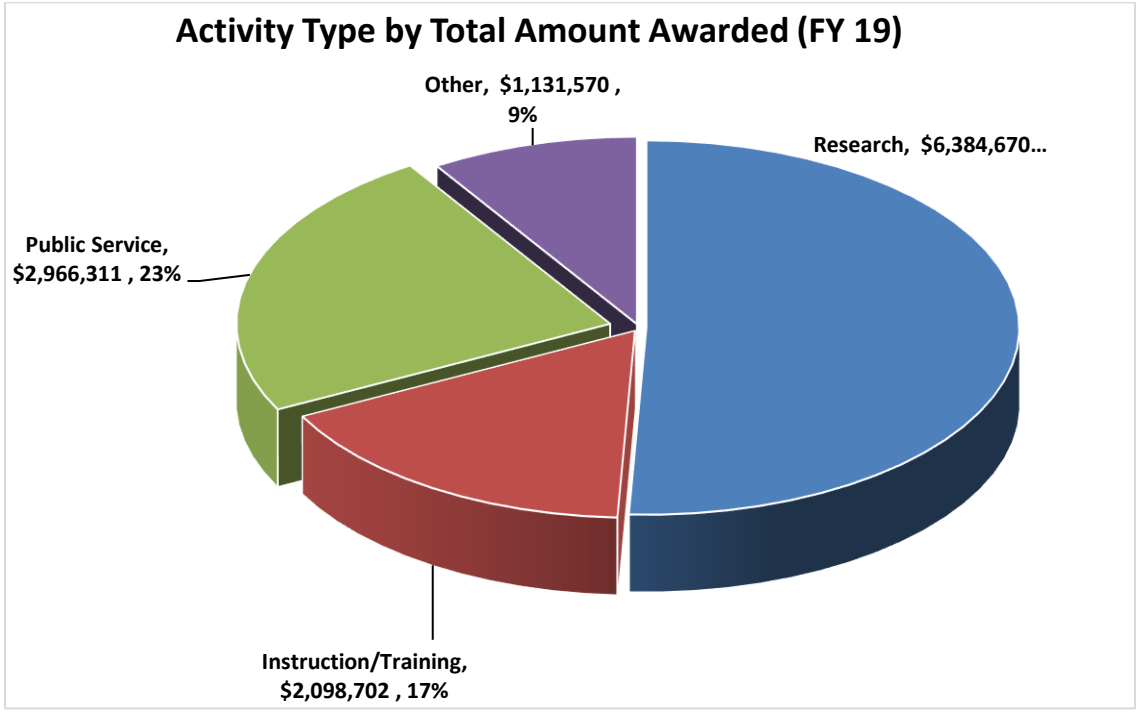


Award growth over the past ten years has averaged 8.14%. As noted, the drop in FY 19 is largely attributed to a major single award in FY 18 to MSU (CEHS). FY 19 marks MSU's 2nd highest award total, and federal research support with the National Science Foundation remains strong.

Type of Activity: FY 18/19 Awarded Projects/Programs

	FY 18				FY 19			
	Number	% of Total	Amount	% of Total	Number	% of Total	Amount	% of Total
Research	55	65.48%	$11,715,679	65.61%	52	68.42%	$6,384,670	50.75%
Instruction/Training	7	8.33%	$3,429,518	19.21%	6	7.89%	$2,098,702	16.68%
Public Service	7	8.33%	$2,140,880	11.99%	8	10.53%	$2,966,311	23.58%
Other	15	17.86%	$570,138	3.19%	10	13.16%	$1,131,570	8.99%
Total	**84**	**100.00%**	**$17,856,215**	**100.00%**	**76**	**100.00%**	**$12,581,253**	**100.00%**

*Other = Conference/Workshops; Programmatic Activities; Fellowships, etc.



Detailed Analysis of Awards: FY 18 & FY 19

Type of Activity: FY 18/19 Awarded Projects/Programs

Internal Collaborative Activity: FY 18/19 Awarded Projects/Programs (Research)

	FY 18		FY 19	
	Number	Percentage	Number	Percentage
Single PI/PD	25	73.53%	36	69.23%
Inter-Departmental and/or Inter-College	5	14.71%	5	9.62%
Intra-departmental	4	11.76%	11	21.15%
Total	**34**	**100.00%**	**52**	**100.00%**

Collaborative Activity: FY 18/19 Awarded Projects/Programs (Non-Research)

	FY 18		FY 19	
	Number	Percentage	Number	Percentage
Single Project Director	16	66.67%	14	58.33%
Inter-Departmental and/or Inter-College	2	8.33%	9	37.50%
Intra-departmental	6	25.00%	1	4.17%
Total	**24**	**100.00%**	**24**	**100.00%**

External Research Collaborations by Type of Collaborator (FY 19)

	Number	Percentage
U.S. Research I Institutions (Very High Research Activity)	25	73.53%
U.S. Research II Institutions (High Research Activity)	2	5.88%
State Entities	4	11.76%
Private Entities	2	5.88%
Foreign Institutions	1	2.94%
Total	**34**	**100.00%**

Training/Employment Data: FY 18/9 Awards by Position

	FY 18 # of Positions	FY 18 Total	FY 19 Number	FY 19 Total
Student Workers*(hourly)	75	$582,516	117	$491,811
Graduate Assistants (Stipend + Tuition)**	24	$1,224,635	20	$754,598
Post-Doctoral Associates	8.5	$771,375	2	$55,000
Trainees ***	225	$1,368,606	243	$1,168,863
Totals	**332.5**	**$3,947,132**	**382**	**$2,470,272**

***Includes both graduate and undergraduate waged assistants.**

****Includes Graduate Assistants paid a monthly stipend and tuition remission to work on a sponsored project (e.g., Research Assistant).**

*****Trainees includes student trainees (e.g., NSF REU Fellows) and paid external trainee/participants (e.g., teacher trainees) in MSU service/programmatic activities.**

Award Analysis: FY 18 & FY 19 **Number of Awards**

Award Type	**FY 18**	**FY 19**
Grant	75	60
Contract	9	16
Total	**84**	**76**

Applicant Institution	**FY 18**	**FY 19**
MSU as lead application	56	45
External Organization (MSU as subcontractor)	28	31
Total	**84**	**76**

Source of MSU Subaward Funding	**FY 18**	**FY 19**
US Higher Ed:	14	20
Corporate:	1	2
Foreign:	1	1
Nonprofit:	7	4
State:	3	4
Local	2	-
Total	**28**	**31**

Awards by Principal Investigator/Project Director Appointment (FY 18 /FY 19)

	FY 18			FY 19			
Appointment	**Number**	**Amount**	**Percentage**	**Number**	**Amount**	**Percentage**	**% change FY18/19**
Associate Prof. (or above)	47	$11,448,703	64.12%	45	$5,448,094	43.30%	-52.41%
Assistant Professor	14	$1,259,283	7.05%	15	$1,149,272	9.13%	-8.74%
Professional Staff	23	$5,148,229	28.83%	16	$5,983,887	47.56%	16.23%
Total	**84**	**$17,856,215**	**100.00%**	**76**	**$12,581,253**	**100.00%**	**-29.54%**

Research and Development & Non-Research and Development Awards (FY 18/FY 19)

	FY 18		FY 19		
	Number	**Percentage**	**Number**	**Percentage**	**% change FY18/19**
Basic Research	28	33.33%	33	43.42%	17.86%
Applied Research	27	32.14%	18	23.68%	-33.33%
Development	0	0.00%	1	1.32%	-
Total R&D Awards	55	65.48%	52	68.42%	-5.45%
Non-R&D (e.g. Training, Instruction, Service)	29	34.52%	24	31.58%	-17.24%
Total Awards	**84**	**100.00%**	**76**	**100.00%**	**-9.52%**

Research and Development Awards by Field*

	FY 18		FY 19		
	Number	**Percentage**	**Number**	**Percentage**	**% change FY18/19**
Computer Sciences	1	1.82%	0	0.00%	-100.00%
Geo Sciences	10	18.18%	14	26.92%	40.00%
Life Sciences	23	41.82%	13	25.00%	-43.48%
Math and Statistics	4	7.27%	7	13.46%	75.00%
Physical Sciences	2	3.64%	3	5.77%	50.00%
Psychology	4	7.27%	2	3.85%	-50.00%
Social Sciences	2	3.64%	1	1.92%	-50.00%
Non-S&E (e.g. Education)	9	16.36%	12	23.08%	33.33%
Total R&D Awards	**55**	**100.00%**	**52**	**100.00%**	**-5.45%**

***Research and Development fields as prescribed by the National Science Foundation**

Montclair State University: Internal Awards Program: Fiscal Year 2018-Fiscal Year 2020

	FY 18			FY 19			FY 20	
Internal Awards	*# of Awards*	*Total $ Awarded*		*# of Awards*	*Total $ Awarded*		*# of Awards*	*Total $ Awarded*
Summer Grant Proposal Development	8	32,000		12	47,000		9	37,000
Separately Budgeted Research	8	39,633		7	26,252		9	40,200
Student Faculty Research	6	11,200		6	11,988		4	8,000
Career Development	17	66,660		14	51,609		20	68,700
Faculty Research Mentoring	4	6,000		3	4,500		2	16,000
Total	43	**155,493**		42	**141,349**		44	**169,900**
Average Award Amount		*$3,616*			*$3,365*			*$3,861*

Montclair State University

Comparative Summary of Sponsored Program Expense Activity
FY2019 & FY2018

Natural Expense Category	FY2019 Expense	FY2018 Expense	% Change
Salary & Wages	8,256,134	7,884,072	4.72%
Fringe Benefits	1,315,205	1,163,046	13.08%
Equipment	234,058	474,398	-50.66%
Other Direct Expenses	6,734,698	5,631,290	19.59%
Total Direct Expenses	**16,540,095**	**15,152,806**	**9.16%**
Indirect Expenses	1,456,001	1,335,626	9.01%
Total Sponsored Program Expenses	**17,996,096**	**16,488,432**	**9.14%**

Source: Office of Finance & Treasury: MSU Ledger Actuals

VII. Campus and Community Impact: To follow, are just some of the *many* sponsored activities and programs that are directly impacting our campus, communities, state, and region. In FY 19, over $6.3M in funding was awarded to MSU in support of research, education/awareness, outreach, training and public service projects impacting the tri-state region.

- $1,206,213 grant from the **US Department of Education** in Year 5 support of the Newark Montclair Urban Teacher Residency Program. This program, in partnership with the Newark Public Schools (NPS), seeks to improve student achievement by applying rigorous research-based teacher preparation to the concrete needs of the NPS. The Newark Montclair Urban Teacher Residency is designed to recruit talented individuals, including those from underrepresented groups and other careers, into teaching math, science, and early childhood special education. The NMUTR also increases teacher quality and retention, which ultimately improves student achievement.
  PI/PD: Jennifer Robinson, Center of Pedagogy (CEHS)

- A $979,205 contract from the **NJ Department of Children and Families**, in continued support of *Project LAUNCH*. This multi-contract award funded services to provide evidenced-based curricula in Essex County, and to support a range of early childhood prevention programs throughout New Jersey, including Home-Visitation, support for County Councils, support for the Early Childhood Comprehensive Systems' Help Me Grow initiative, Community-based Child Abuse Prevention programs, and Project LAUNCH. ***PI/PD's: Gerard Costa and Kaitlin Mulcahy, Center for Autism and Early Childhood Mental Health (CEHS)***

- $850,000 from the **NJ Department of Human Services** in support of MSU's *FY19 Socio-Emotional Formation Initiative (SEFI)*. The Socio-Emotional Formation Initiative (SEFI) supports the statewide integration of professional development opportunities aimed at promoting the social and emotional well-being and inclusion of all infants, toddlers and young children with and without developmental, emotional and behavioral difficulties. SEFI, a grant-supported program of the Center for Autism and Early Childhood Mental Health at Montclair State University, approaches this work through the full continuum of promotion, prevention and intervention efforts.
  PI/PD: Gerard Costa • Center for Autism and Early Childhood Mental Health (CEHS)

- A two-year $375,000 grant from the **NJ Department of Education,** in support of the Center of Pedagogy's "*Recruiting Teachers of Color*" program will focus to recruit, prepare, support and place a diverse pool of teacher candidates that better reflect the diversity of New Jersey's student population. MSU will commit to recruit candidates of color to teach in urban schools.
  PI/PD's: Jennifer Robinson, Carolina Gonzalez & Geraldine Koch, Center of Pedagogy (CEHS)

- A $200,000 grant from **Math for America** to fund the "*The New Jersey STEM Innovation Fellowship*." The New Jersey STEM Innovation Fellowship is a new teacher-leadership program that will be open to experienced elementary teachers working in New Jersey public schools. Teachers accepted to the fellowship will receive a $5,000 stipend and join a supportive learning community where they will learn about a research-based, innovative math teaching practice alongside talented teachers from other New Jersey districts and schools. Montclair State University, in collaboration with Math for America, will be the lead institution in partnership with *Princeton University* and *Rowan University*.
  PI/PD: Jacalyn Giacalone Willis, Professional Resources in Science and Mathematics (CSAM)

- A $199,965 grant from the **NJ Board of Public Utilities** to fund a project entitled "*The Clean Energy and Sustainability Analytics Center (CESAC): To Advance Research on the Sustainable Clean-Energy Economy."* The Clean Energy and Sustainability Analytics Center (CESAC) is working to advance research on the sustainable clean-energy economy by providing research, analysis, education, and outreach on clean-energy policies, technology, and practices. CESAC's work aims to provide real-world insights to regulators, businesses, and the general public. While CESAC fosters faculty and student research in the area of clean energy and sustainability analytics, it also facilitates collaborative discussion between energy researchers and policy makers.
  PI/PD: Pankaj Lal, Clean Energy and Sustainability Analytics Center (CSAM)

- Supplemental grant funding of $35,245 from the **NJ Department of Environmental Protection** for a project entitled "*Assessment of Clinging Jellyfish Gonionemus Vertens Populations in the Shrewsbury River Estuary and the Manasquan River Estuary."* MSU investigators will provide data to identify and quantify the distribution and abundance of *G. vertens*–invasive clinging jellyfish–from the Shrewsbury Estuary and the Manasquan River Estuary.
  PI's/PD's: Paul Bologna & John Gaynor (CSAM)

- $51,473 grant in continued support of the "*Garden State LSAMP Phase II"* project. In collaboration with Rutgers University, and sponsored by the **National Science Foundation**, this project will continue and extend the programmatic support for underrepresented students heading into the sciences other than medicine.
  PI/PD's: Dean of CSAM, Lora Billings & Yvonne Gindt, Biology (CSAM)

- $275,155 grant from the **US Department of Education** for year two of Montclair State's "Upward Bound Project (UB)." UB delivers educational opportunities for currently enrolled high school students, who come from low level income families and/or who are potential first-generation college attendees. UB provides fundamental support for participants to succeed in their current level of education as well as preparing them in their pursuit of higher education.
  PI/PD's: Donna Lorenzo, Health Careers (CSAM)

- A $62,942 grant from the **NJ Department of Environmental Protection** for the project "*Assessment of the Impacts of OCNGS on Gelatinous Zooplankton and Planktonic Community Structure*," which hopes to assess the distribution of gelatinous zooplankton and potential impacts of Oyster Creek Nuclear Generating Station (OCNGS) on planktonic community structure and provide a Metagenomic Composition assessment of planktonic communities and impacts of OCNGS. They will be supported by undergraduate and graduate students of Montclair State University.
  PI's/PD's: Paul Bologna, John Gaynor and Robert Meredith (CSAM)

- A $71,224 grant for from the **NJ Department of Human Services** for continued support of the "*New Jersey Hearing Aid Project*," which is an effort to provide low income individuals access to needed hearing aid devices and related audiological services that otherwise are not available due to cost.
  PI/PD's: Janet Koehnke** and **Maris Appelbaum (CHSS)

- $246,238 from the **NJ Department of Children and Families** for the "*Post BA Certificate in Adolescent Advocacy 2018-2019*" program. This program, the result of a collaboration between Montclair State University and the Department of Children and Families (DCF), has been designed to provide Child Protection and Permanency workers (CP&P) (Formerly The Division of Youth and Family Services DYFS)

and DCF workers who wish to further their expertise in working with adolescents in the public welfare system with a multidisciplinary understanding of the role of the child advocate as seen through the disciplines of law, psychology, and social work among others. Students gain the necessary knowledge and skills to work effectively with the adolescent population.
PI/PD: Jason Dickinson (CHSS)

- A $365,518 grant from the **NJ Commission on National and Community Service** to fund the "*Montclair State University EECO Project."* Since 2014, the Center for Community Engagement at Montclair State University, in partnership with the Orange Public Schools have been awarded with the first-ever University-Assisted Full-Service Community Schools grant in New Jersey to support the Orange Community School Initiative. With a renewed grant and two new faculty members included in this program, Dr. Murdock and his team will continue to engage twenty AmeriCorps members who will support the development and implementation of a full-service university-assisted UACS community school project in Orange, NJ public schools.
PIs/PD's: Bryan Murdock, Krystal Woolston (Center for Community Engagement), Randall Fitzgerald, William Thomas (New Jersey School of Conservation)

- A **US Department of Health and Human Services/SAMHSA** grant in the amount of $125,000 in continued support of the "*Paterson Coalition Against Substance Abuse (P-CASA)*." P-CASA seeks to develop the infrastructure of an anti-drug coalition targeting at-risk racial and ethnic minority adolescents in Paterson's 1st Ward. As a collaborative effort between Montclair State University and a diverse group of community stakeholders, P-CASA will introduce evidence-based environmental prevention strategies to meet the goals of the Drug Free Communities Grant Program, which are to increase community collaboration and reduce substance use among youth aged 12–17.
PI/PD's: Robert Reid and Pauline Garcia-Reid (CEHS)

- $122,200 subaward entitled *Action, Plan, Research and Evaluation* from **the NJ Department of Law and Public Safety (DLPS)**. DLPS received a federal grant from the US Department of Justice to develop an Integrated Drug Awareness Dashboard (IDAD), synthesizing previously separate datasets from multiple state agencies (e.g., NJ State Police, NJ Prescription Drug Monitoring Program). The aim of this centralized data-sharing "dashboard" is to create a clearer picture of the opioid epidemic across the state, inform targeted interventions, and develop analytic opioid "hot spot" data. Dr. Kyse and the team at CREEHS serve as program evaluator and action research partner to the project, collecting data from IDAD stakeholders to inform continuous improvement of the dashboard.
PI/PD: Eden Kyse, Center for Research and Evaluation on Education and Human Services (CEHS)

A $5,000 grant from the NJ Council for the Humanities, for a project entitled "*Building a community partnership with local schools to promote Humanities and Science Literacy through programming*." This project builds and expands a relationship between Montclair State University and the Montclair Township School District to develop public programming that provides a Humanities perspective on Science & Technology.
PI/PD: Steven Shapiro, Harry A. Sprague Library (Academic Affairs)

VIII. OSP Service Metrics

A. OSP Hosted Workshops

- **New Faculty Orientation 2018**
  November 12, 2018
  Presented by Associate Provost/Dean TGS Scott Herness, and OSP Staff

- **Competitive NIH Grant Writing**
  October 5, 2018
  Hosted by Associate Provost/Dean TGS Scott Herness, and OSP Staff

- **School of Media/Communications Presentation on Finding Sponsored Funding**
  May 31, 2019
  Presented by Ted Russo and Sam Wolverton

B. OSP Funding Dissemination Efforts

- OSP's listserv disseminated 219 opportunities in FY19 through its weekly email blast to the MSU community. (In addition, OSP Pre-award staff individual distribute approximately 10 to 15 individual opportunities per month.)

C. Attendance at Trainings by Staff Members

- **Ted Russo, Director**
  - Recertified as a "Certified Research Administrator," by the Research Administrators Certification Council (RACC). C.R.A. designees are required to stay current on topics related to research administration and must submit for recertification every 5 years with evidence of at least 80 continuing education hours. (July, 2018)
  - National Council of University Research Administrators 60th Annual Meeting Co-Presenter on a concurrent session with Baker-Tilly, Inc. on managing research compliance. Attended multiple workshops on a wide variety of topics related to pre- and post-award research administration. (August 2018)
  - Society for Research Administrators International Webinar, "Best Practices for Establishing Relationships Between PIs and RAs."
  - Society for Research Administrators Webinar, "Organizational Conflicts of Interest."
  - National Council of University Research Administrators Webinar, "The Power of Metrics in Research Administration."
  - National Council of University Research Administrators Webinar, "Upping Your Game: Strategies to Maximize Opportunities while Managing Risk in Pre-Award Research Administration."
  - Co-Presenter, on "All things Pre-Award," for the regional Research Administration Discussion series, hosted by New School, NYC (November, 2018).

- **Catherine Bruno, Post-Award Officer**
  - National Council of University Research Administrators 60th Annual Meeting, Co-Presenter (August 2018)
  - National Council of University Research Administrators, "What the Heck is Taking So Long? Commonly Experienced Challenges in Contracting" Webinar (September 2018)
  - National Science Foundation, "ERA Forum" Webinar (September 2018)
  - US Department of Health and Human Services/SAMHSA webinar (October 2018)
  - National Science Foundation, Program Director Workshop (October 2018)
  - National Council of University Research Administrators, "The Power of Metrics in Research Administration" Webinar (October 2018)
  - National Science Foundation, "Proposal & Award Policies & Procedures Guide (PAPPG) Update" Webinar (November 2018)
  - US Department of Health and Human Services/SAMHSA, "Post Award Amendments" Webinar (December 2018)
  - National Council of University Research Administrators NIH Webinar (March 2019)
  - US Department of Education "Teacher Quality Partnerships" Webinar (April 2019)
  - National Council of University Research Administrators, "Organizational Conflicts of Interest" Webinar (May 2019)

- **Kathryn Dorsett, Sponsored Programs Administrator**
  - MSU Center for Career Services, "Fall 2018 Supervisor's Workshop" (August 2018)
  - National Council of University Research Administrators, "What the Heck is Taking So Long? Commonly Experienced Challenges in Contracting" Webinar (September 2018)
  - National Science Foundation, "ERA Forum" Webinar (September 2018)
  - US Department of Health and Human Services/SAMHSA webinar (October 2018)
  - National Council of University Research Administrators, "The Power of Metrics in Research Administration" Webinar (October 2018)
  - National Science Foundation, Fall 2018 NSF Grants Conference Online (November 2018)
  - National Science Foundation, "Proposal & Award Policies & Procedures Guide (PAPPG) Update" Webinar (November 2018)
  - US Department of Health and Human Services/SAMHSA, "Post Award Amendments" Webinar (December 2018)
  - US Department of Health and Human Services/SAMHSA, "Correspondence Training" Webinar (January 2019)
  - National Council of University Research Administrators NIH Webinar (March 2019)

- **Amanda Lopez, Graduate Program Assistant**
  - National Science Foundation, "ERA Forum" Webinar (September 2018)
  - National Council of University Research Administrators Webinar, "Growing a Grant Seeking Culture in the Arts and Humanities" (October 2018)
  - National Science Foundation, "Proposal & Award Policies & Procedures Guide (PAPPG) Update" Webinar (November 2018)

- National Council of University Research Administrators Webinar: Conflicts of Interest (May 2019)

- **Dana Natale, Pre-Award Services Manager**
  - National Science Foundation, "ERA Forum" Webinar (September 2018)
  - National Council of University Research Administrators Webinar, "Growing a Grant Seeking Culture in the Arts and Humanities" (October 2018)
  - Co-Presenter, on "All things Pre-Award," for the regional Research Administration Discussion series, hosted by New School, NYC (November, 2018)
  - National Science Foundation, "Proposal & Award Policies & Procedures Guide (PAPPG) Update" Webinar (November 2018)
  - National Council of University Research Administrators Webinar: Conflicts of Interest (May 2019)

- **Valerie Trupp, Senior Pre-Award Specialist**
  - National Council of University Research Administrators Webinar, "NSF Fundamentals" (August 2018)
  - National Council of University Research Administrators 60th Annual Meeting. Attended multiple workshops on a wide variety of topics related to research administration. Obtained Certificate in Pre-Award Research Administration. (August 2018)
  - National Science Foundation, "Proposal & Award Policies & Procedures Guide (PAPPG) Update" Webinar (November 2018)
  - Recertified as a "Certified Research Administrator" (by the Research Administrators Certification Council (RACC). C.R.A. designees are required to stay current on topics related to research administration and must submit for recertification every 5 years with evidence of at least 80 continuing education hours. (December 2018)
  - New Jersey Arts Council Grants Webinar (February 2019)
  - National Council of University Research Administrators NIH Webinar (March 2019)
  - National Council of University Research Administrators Webinar: Conflicts of Interest (May 2019)
  - Society of Research Administrators Webinar, "Building Bridges: Establishing Relationships" (June 2019)

- **Sam Wolverton, Pre-Award and Outreach Specialist**
  - Society of Research Administrators Webinar, "Building Bridges: Establishing Relationships" (June 2019)
  - National Council of University Research Administrators, "Organizational Conflicts Of Interests" Webinar (May 2019)
  - National Science Foundation, "ERA Forum" Webinars (September 2018) and (April 2019)
  - National Council of University Research Administrators NIH Webinar (March 2019)
  - National Science Foundation, "Proposal & Award Policies & Procedures Guide (PAPPG) Update" Webinar (November 2018)
  - NCURA Webinar – Growing a Grant Seeking Culture in the Arts and Humanities
  - NCURA Webinar – Upping Your Game: Strategies to Maximize Opportunities While Managing Risk In Pre-Award Research

College/Division and Department	Lead Faculty	Project Title	Sponsor Name	Start Date	End Date	Amount Awarded
ACADEMIC AFFAIRS (AA)						
CENTER FOR COMMUNITY ENGAGEMENT						
	Murdock, Bryan/FitzGerald, Randall (CSAM)/ Woolston, Krystal	Montclair State University EECO Project	Corporation for National and Community Service - Subaward from NJ Commission on National and Community Service	9 /1 /2019	8/31/2020	$ 231,956
	Murdock, Bryan/Woolston, Krystal	Orange Community Schools Initiative: A University Assisted Full Service Community School Program	US Department of Education - Subaward to Orange Public Schools	10/1 /2019	9 /30/2024	$ 2,500,000
	Woolston, Krystal/Murdock, Bryan	MLK Day of Service 2019	NJ Commission on National and Community Service	1 /1 /2019	1 /31/2019	$ 2,500
		Total Proposals for Center for Community Engagement: 3	**Total for Center for Community Engagement:**			**$ 2,734,456**
COLLEGE OF THE ARTS (CART)						
Art and Design						
	Chae, May	Adaptive Cotton Clothing for People with Special Needs (Physical and Mobility Impairments)	Cotton Incorporated	1/21/2020	5/8/2020	$ 10,000
Arts and Cultural Programming						
	Wheeler, Jedediah	New Jersey State Council on the Arts (NJSCA) GPS FY20 Application	NJ State Council on the Arts	7 /1 /2019	6 /30/2022	$ 60,000
Cali School of Music						
	Viega, Michael/Abrams, Brian	The Feasibility of Creating a Digital Composition Pain Profile Application (DCPPA) for Use in the Assessment and Treatment of Chronic Pain.	American Music Therapy Association	1/1/2020	8/31/2021	$ 20,000
School of Communication and Media						
	Conley, Tara/Anu, Vaibhav (CSAM)	The Hashtag Project: Developing a Multimedia Platform for Preserving and Analyzing Hashtag Data	National Endowment for the Humanities	2 /1 /2020	1 /31/2021	$ 48,935
	Luo, Yi	Impact of Corporate Advocacy Communication on Consumer-Organization Identification and Loyalty	Pennsylvania State University	3 /1 /2019	6 /1 /2020	$ 5,015
University Art Galleries						
	Sharps, Ronald	General Program Support FY2019	NJ State Council on the Arts	7 /1 /2018	6 /30/2019	$ 12,828
		Total Proposals for CART: 6			**Total for CART:**	**$ 156,778**
COLLEGE OF EDUCATION AND HUMAN SERVICES (CEHS)						
Center for Autism and Early Childhood Mental Health						
	Catalano, Corinne	NJ Governor's Council Faculty Scholarship for Autism Spectrum Disorder Clinical Course Development	NJ Autism Center of Excellence	1 /1 /2019	12/31/2019	$ 10,000
	Costa, Gerard/Mulcahy, Kaitlin	FY19 Socio-Emotional Formation Initiative (SEFI)	NJ Department of Human Services	7 /1 /2018	6 /30/2019	$ 850,000
	Costa, Gerard/Mulcahy, Kaitlin	Project LAUNCH 2018-2019	NJ Department of Children and Families	7 /1 /2018	6 /30/2019	$ 948,955
Center of Pedagogy						
	Robinson, Jennifer/Gonzalez, Carolina/Koch, Geraldine	Recruiting Teachers of Color	NJ Department of Education	12/1 /2018	6 /30/2020	$ 375,000
Counseling						
	Hannon, Michael	Culturally responsive family support for Black and Latinx parents of individuals with autism	Organization for Autism Research	1 /1 /2019	12/31/2020	$ 29,998
Dean's Office						
	Tran, Yune/Hagiwara, Sumi (Teaching and Learning)	Developing Computational Thinking with Interdisciplinary Learning in Elementary Classrooms	US Department of Education	8 /15/2019	6 /30/2024	$ 791,688
Educational Foundations						
	Matthews, Jamaal	Promoting Belonging-Centered Instruction in Mathematics: A Mixed-Methods Investigation	William T. Grant Foundation - Subaward to University of Pittsburgh	9 /1 /2019	8 /31/2021	$ 639,847
	Reznitskaya, Alina	The Rational Force Model: A New Approach to Assessing and Teaching Argumentative Writing in Elementary Classrooms	Swedish Research Council - Subaward from Lulea University of Technology	1 /1 /2020	12/31/2023	$ 139,572
	Rivera Rodas, Elizabeth	Advanced Mathematics Course Enrollment of First- and Second-Generation Latinos	Spencer Foundation	6 /1 /2019	8/31/2020	$ 50,000
	Rivera Rodas, Elizabeth	Advanced Mathematics Course Placement of First- and Second-Generation Latinos	American Educational Research Association	2 /1 /2019	1 /31/2021	$ 35,000
Educational Leadership						
	Garver, Rachel	What are the Police Doing Here? The Role of School Resource Officers	Spencer Foundation	1 /1 /2020	12/31/2022	$ 50,000
	Hodge, Emily	New Applications of Social Network Analysis to Education Policy: Building the Capacity of the Field	Spencer Foundation - Subaward to University of Kentucky	11/1 /2019	10/31/2021	$ 50,000
Exercise Science and Physical Education						
	Phillips, David	Postural and Fall Risk Assessment Using Visual Perturbations in Virtual Reality	National Institutes of Health (R21) - Subaward to University of Florida	9 /1 /2019	8 /31/2021	$ 384,260
Family Science and Human Development						

College/Division and Department	Lead Faculty	Project Title	Sponsor Name	Start Date	End Date	Amount Awarded
	Ermer, Ashley	The Retired Family: An Investigation of Couples' and Children's Relationships in Retirement	US - Israel Binational Science Foundation - Collaborative with University of Haifa, Israel	10/1 /2019	9 /30/2021	$ 60,000
	Nesteruk, Olena/You, Soo-Bin (Student)	Doctoral Dissertation Grant Program	Fahs - Beck Fund For Research and Experimentation	2 /1 /2019	3 /30/2020	$ 1,512
	Quinn, Johanna	Racially Inclusive BSA: Recruiting and Retaining Youth of Color Across Scouting Transitions	William T. Grant Foundation	11/1 /2018	12/31/2020	$ 49,856
	Reid, Robert/Garcia-Reid, Pauline	The Paterson (NJ)/Montclair State University Strategic Prevention Framework (SPF) - Partnerships for Success (PFS) Initiative	US Department of Health & Human Services/SAMHSA - Subaward to University of New Mexico	10/1 /2019	9 /30/2024	$ 1,500,000
	Urban, Jennifer/Linver, Miriam	Flourishing Together: The Effects of Adolescent Peer Groups on Character Development	John Templeton Foundation - Subaward to Texas A&M University	1 /1 /2020	12/31/2022	$ 735,771
	van Eeden-Moorefield, Bradley/Matera, Kristin	Doctoral Dissertation Research: Motive-Based Trust in Child Custody Cases	National Science Foundation	9 /1 /2019	8 /31/2020	$ 6,179
Institute for Research on Youth Thriving and Evaluation						
	Tevington, Patricia (Post-Doc)/Urban, Jennifer	Understanding Americans' Abortion Attitudes: A Proposal for Sociological Research	University of Notre Dame	5 /13/2019	8 /31/2019	$ 6,000
	Urban, Jennifer	Global Partnerships for Advancing Character Program Eval. (PACE Global)	Templeton World Charity Foundation - Subaward to Cornell University, Virginia Tech	8 /1 /2019	9 /30/2020	$ 234,000
Nutrition and Food Studies						
	Bai, Yeonkyung	Improving the WIC Appointment Experience	National WIC Association	7 /1 /2019	6 /30/2020	$ 10,000
	Blumberg, Renata	CAREER: Examining the Embodied Geographies of Local Food Across the Rural-Urban Interface	National Science Foundation	9 /1 /2020	8 /31/2024	$ 427,788
	Bose, Mousumi/Dinour, Lauren	Evaluation of Needs for a Family-Centered Medical Curriculum on Rare Communication Disorders for Improved Patient Outcomes	National Institutes of Health (R21) - Subawards to University of Southern California, University of Nebraska Medical Center	7 /1 /2020	6/30/2022	$ 421,558
	Bose, Mousumi	Peroxisomal Disorders Consortium	National Institutes of Health (U54) - Subaward from Baylor College of Medicine	9 /1 /2019	8 /31/2024	$ 134,791
	Bose, Mousumi	Peroxisomal Disorders Consortium	National Institutes of Health (U54) - Subaward from University of Nebraska Medical Center	9 /1 /2019	8 /31/2024	$ 198,642
Public Health						
	Birnbaum, Amanda	Grow Healthy Paterson	US Environmental Protection Agency - Subaward from Rutgers University	10/1 /2018	6 /30/2019	$ 5,000
	Leech, Tamara	Partnership for Success	US Department of Health and Human Services/SAMHSA - Subaward from Indiana University	9 /1 /2019	6 /30/2020	$ 20,573
Teaching and Learning						
	Bacon, Jessica/Baglieri, Susan	Using photovoice to study how attending college shapes a sense of self and belonging for students with intellectual and developmental disabilities	Spencer Foundation	1 /1 /2020	12/31/2021	$ 50,000
	Maloney, Tanya	Investigating the Practices of Graduates of a Justice-Oriented Teacher Education Program	National Academy of Education/Spencer Foundation	9 /1 /2019	6 /30/2020	$ 70,000
	State, Talida/Zaheer, Imad	Effectiveness of Functional Contextual Thinking (FCT) in Improving Classroom Management Practices	Spencer Foundation	9 /1 /2019	8 /31/2020	$ 50,000
		Total Proposals for CEHS: 31			**Total for CEHS:**	**$ 8,335,990**
COLLEGE OF HUMANITIES AND SOCIAL SCIENCES (CHSS)						
Anthropology						
	Siegel, Peter	Historical Ecology in the Greater Antilles	National Science Foundation	6 /15/2019	6 /14/2021	$ 374,409
Classics and General Humanities						
	Aryamontri, Debra/Renner, Timothy	The Emperor at Home: Uncovering the Roman Imperial "Villa of the Antonines"	National Endowment for the Humanities - Subaward to Italian National Research Council	10/1 /2019	9 /30/2022	$ 249,933
Communication Sciences and Disorders						
	Eisenberg, Sarita/Su, Haiyan (CSAM)	Predictive Validity and Reliability of Measures of Grammaticality	National Institutes of Health (R01)	9 /1 /2019	8 /30/2024	$ 3,361,517
	Hitchcock, Elaine	Beyond Speech Production: Assessing Perceptual, Social, and Emotional Functioning in Children with Childhood Apraxia of Speech	Apraxia Kids - Subaward to Brigham Young University	9 /1 /2019	8 /31/2021	$ 65,713
	Scheperle, Rachel/McInerney, Maryrose	Expanding and Advancing Hearing Care Through Partnership	Hear the World Foundation	7 /1 /2019	6 /30/2024	$ 256,704
History						
	Hayes, Dawn/Pope, Gregory (CSAM)	Documenting the Past, Triaging the Present and Assessing the Future: A Prototype for Sicily's Norman Heritage, ca. 1061-1194	National Endowment for the Humanities	9 /1 /2019	8 /31/2020	$ 49,783
Justice Studies						

College/Division and Department	Lead Faculty	Project Title	Sponsor Name	Start Date	End Date	Amount Awarded
	Daftary-Kapur, Tarika/Zottoli, Tina (Psychology)	An evaluation of the new charging and plea bargaining guidelines at the Philadelphia District Attorney's Office	Laura and John Arnold Foundation	5 /1 /2019	8 /31/2019	$ 567,763
Linguistics						
	Feldman, Anna/Peng, Jing (CSAM)	MID: Multilingual Idioms Database	National Endowment for the Humanities	9 /1 /2019	8 /31/2021	$ 99,076
	Feldman, Anna/Peng, Jing (CSAM)	The Disinformation Problem Solved: An NLP Approach to Manipulative Headlines Detection	Bloomberg L.P.	9 /1 /2019	8 /31/2020	$ 57,992
Modern Languages and Literatures						
	Fiore, Teresa	Food, Hunger, and Migration at the Time of the Allied Landing in Sicily: Video Interviews with Locals and Veterans	NJ Council for the Humanities	2 /10/2019	10/10/2019	$ 5,000
Psychology						
	King, Christopher	Playing for success: Use of videogame technology to enhance substance abuse treatment in community reentry	US Department of Justice - Subaward from Texas Tech University	1 /1 /2020	4 /15/2023	$ 30,422
	Lowe, Sarah	Disparities in Recovery from Hurricane Katrina: NOLA@10	National Institutes of Health (R33) - Subaward from Harvard University	8 /1 /2018	7 /31/2019	$ 23,241
	Lowe, Sarah	Optimizing Efforts to Restore Psychiatric and Social Function after a Major Hurricane	National Institutes of Health (R01) - Subcontract from Boston University School of Public Health	9 /1 /2019	8 /31/2023	$ 141,022
	Lowe, Sarah	Social media use and mental health in young people	Fondation Botnar - Subcontract from University of Zurich, Switzerland	6 /1 /2019	5 /31/2022	$ 93,301
	Masia, Carrie/Matthews, Jamaal (CEHS)	Enhancing the applicability of an evidence-based intervention to reduce social anxiety and improve educational outcomes in Black high school students	Institute of Education Sciences - Subaward from Nathan S. Kline Institute for Psychiatric Research	7 /1 /2019	6 /30/2022	$ 676,307
	Pehrson, Alan	The effects of prelimbic cortex astroglial lesions on reward processing in rats	One Mind	8 /1 /2019	7 /31/2022	$ 249,999
	Propper, Ruth	Synesthesia Experience in Multiple Sclerosis	National Multiple Sclerosis Society	6 /1 /2019	5 /31/2020	$ 43,820
	Sandry, Joshua	Cognitive and neural mediators of working and long-term memory impairment in TBI	NJ Department of Health/ NJ Commission on Brain Injury Research - Subaward to Kessler Foundation	4/1/2019	3/31/2022	$ 443,359
	Sandry, Joshua	Effects of effort-based learning on fatigue and striatal activation in MS	National Multiple Sclerosis Society - Subaward from Kessler Foundation	9 /1 /2019	8 /31/2023	$ 187,708
	Sandry, Joshua	Investigation of Learning Mechanisms through Delayed Feedback in Individuals with MS	National Multiple Sclerosis Society - Subaward from Kessler Foundation	1 /1 /2019	12/31/2022	$ 140,781
	Sandry, Joshua	Investigation of Neural Mechanisms during Feedback Learning in Veteran and Civilian Individuals with Traumatic Brain Injury	NJ Department of Health/ NJ Commission on Brain Injury Research - Subaward from Kessler Foundation	4 /1 /2019	3 /31/2022	$ 36,311
	Sandry, Joshua	Neuroimaging of Hippocampally Mediated Memory Dysfunction in Multiple Sclerosis	National Multiple Sclerosis Society - Subaward to Kessler Foundation	9 /1 /2019	8 /31/2023	$ 719,033
	Sandry, Joshua	The Effects of Effort on Fatigue and Striatal Activation in Individuals with Chronic TBI	US Department of Health & Human Services/National Institute on Disability, Independent Living, and Rehabilitation Research - Subaward from Kessler Foundation	7 /1 /2019	6 /30/2022	$ 43,039
	Sandry, Joshua	The Impact of Clinical Depression on Learning and Associated Brain Function in Individuals with TBI	US Department of Defense - Subaward from Kessler Foundation	9 /30/2019	9 /29/2022	$ 136,814
	Sessa, Valerie/Bragger, Jennifer	Leadership Development in College Students	C. Charles Jackson Foundation	1 /1 /2019	12/31/2019	$ 4,240
	Wilson, John Paul	RUI: Toward a Threat-Based Explanation of Racial Bias in Judgments of Physical Size	National Science Foundation - Subaward to Indiana University	7 /1 /2019	6 /30/2022	$ 354,596
	Yang, Yingying	A Profile of Spatial Abilities in People with Down Syndrome and Their Correlations with Everyday Behavior	National Institutes of Health/NICHD (SCORE)	4 /1 /2020	3/31/2023	$ 435,000
	Yang, Yingying	A Profile of Spatial Abilities in People with Down Syndrome and Their Correlations with Everyday Spatial Behaviors	National Institutes of Health (R03)	7 /1 /2019	6 /30/2021	$ 143,968
	Yang, Yingying	Assessing the Malleability of Spatial Abilities in Individuals with Down Syndrome	National Institutes of Health (R15) - Subaward from University of Alabama	8 /1 /2019	7 /31/2022	$ 135,737
	Yang, Yingying/Lakusta, Laura	RUI: The effects of gender and language on wayfinding	National Science Foundation	7 /15/2019	7 /14/2022	$ 568,226
	Yang, Yingying	Spatial Abilities in People with Down Syndrome	Jerome Lejeune Foundation	9 /1 /2019	8 /31/2021	$ 45,494
Robert D. McCormick Center for Child Advocacy and Policy						
	Dickinson, Jason	Post BA Certificate in Adolescent Advocacy - 2018-2019	NJ Department of Children and Families	9 /1 /2018	8 /31/2019	$ 246,238
Sociology						
	Besen-Cassino, Yasemin	Contemporary Sociology Editorship	American Sociological Association	8 /1 /2019	1/1/2023	$ 179,433
Writing Studies						
	Restaino, Jessica	"Writing Live": Public Readings, Working Writers, and Disciplinary Transfer	National Endowment for the Humanities	1 /1 /2019	12/31/2020	$ 100,000
		Total Proposals for CHSS: 34			**Total for CHSS:**	**$ 10,265,979**

COLLEGE OF SCIENCE AND MATHEMATICS (CSAM)

Biology

College/Division and Department	Lead Faculty	Project Title	Sponsor Name	Start Date	End Date	Amount Awarded
	Aardema, Matthew	Collaborative Research: The emergence of insecticide resistance in prairie dog flea holobionts	National Science Foundation - Collaborative with University of South Dakota Main Campus	9 /1 /2019	8 /31/2022	$ 165,390
	Bologna, Paul/Gaynor, John/Meredith, Robert	Assessment of the Impacts of OCNGS on Gelatinous Zooplankton and Planktonic Community Structure: Year 2	NJ Department of Environmental Protection	4 /1 /2019	6 /30/2020	$ 68,992
	Bologna, Paul/Campanella, James	Restoration and Enhancement of Submerged Aquatic Vegetation in Barnegat Bay, New Jersey	NJ Department of Environmental Protection - Subaward to Matrix New World Engineering	3 /1 /2019	2 /28/2022	$ 299,969
	Bologna, Paul/Gaynor, John	Sea Nettle Outreach and Assistance	NJ Department of Environmental Protection - Subaward from Berkley Township Underwater Search and Rescue Unit	3 /1 /2019	2 /28/2022	$ 75,000
	Feehan, Colette	Evaluating the ecosystem services provided by habitat-forming brown seaweeds in the Hudson River Estuary	Hudson River Foundation	5 /1 /2019	4 /30/2021	$ 92,195
	Feehan, Colette	Promoting the health and resiliency of Florida's coral reef ecosystem: enhancing herbivory by restoring long-spined urchin (Diadema antillarum) habitat	US Department of the Interior/US Fish and Wildlife Service - Subaward from Florida Fish & Wildlife Conservation Commission	4 /8 /2018	6 /30/2019	$ 7,647
	Hazard, Lisa/Goodey, Nina (Chemistry and Biochemistry)/Monsen, Kirsten	PRE-PROPOSAL: Assessment of Ranavirus FV3, an emerging amphibian disease in the Hudson River watershed, using a novel DNA-based rapid assay	Hudson River Foundation	4 /1 /2019	3 /30/2021	$ -
	O'Hagan, Robert	Enhancement of Cytoskeletel Dynamics and Motor Transport By Manipulation of Post-Translational Microtubule Glutamylation To Maximize Neuroregeneration	NJ Department of Health - Subaward from Rutgers University	9 /1 /2018	6 /30/2019	$ 14,460
	Schuler, Matthew	Understanding the association between salt contamination and heavy metal contamination in drinking wells in New Jersey.	NJ Department of Health - Subaward from NJ Water Resources Research Institute/Rutgers University	8 /1 /2019	7 /31/2020	$ 15,000
Chemistry and Biochemistry						
	Catalano, Jaclyn	Identification of Key Residues that Influence Cytochrome P450 Catalysis Under Oxidative Stress	Research Corporation for Science Advancement	3 /1 /2019	2 /28/2022	$ 100,000
	Catalano, Jaclyn/Goodey, Nina	Substrate specificity determinants in CYP2S1	National Institutes of Health (R15)	3 /1 /2020	2 /28/2023	$ 362,500
	Gao, Jinshan	Simultaneous Glycan Characterization and Quantitative Analysis via Free Radical Isobaric and Isotopic Tags	American Society for Mass Spectrometry	9 /1 /2019	8 /31/2020	$ 20,000
	Gindt, Yvonne/Catalano, Jaclyn	REU Site: A pathway to success in quantitative chemistry through undergraduate research at Montclair State University	National Science Foundation	10/1 /2019	9 /30/2022	$ 309,735
	Gindt, Yvonne	Union County College B2B Project: Creating Bridges to Biomedical Sciences Degrees	National Institutes of Health (R25) - Subaward from Union County College	9 /1 /2019	8 /31/2024	$ 203,775
	Goodey, Nina/Emery, Elizabeth (CHSS)/Tuininga, Amy (PSEG Institute for Sustainability Studies)	Improving non-STEM majors' science literacy skills through GREEN TEAM sustainability internships	National Science Foundation - Subaward to PEER Associates	1 /1 /2020	12/31/2023	$ 555,815
	O'Neil, Glen	Single nanoparticle electrocatalysis: Investigation Au nanoparticle size effects on CO2 reduction using impact electrochemistry	American Chemical Society - Petroleum Research Fund	7/1/2019	8 /31/2021	$ 55,000
	Schelvis, Johannes/Gindt, Yvonne	Deciphering the switch between DNA repair and signal transduction in cryptochrome DASH	National Institutes of Health (R15)	3 /1 /2020	2 /28/2023	$ 357,550
Clean Energy and Sustainability Analytics Center						
	Lal, Pankaj/Forgoston, Eric (Mathematical Sciences)	Economic Analysis of Emerald Ash Borer Spread and Associated Tradeoffs	US Department of Agriculture/National Institute of Food and Agriculture - Subaward to Rutgers University	7 /1 /2019	6 /30/2023	$ 500,000
	Lal, Panka/Forgoston, Eric (Mathematical Sciences)	Geospatial Modeling of Forest Pest Spread and Associated Management and Utilization Implications	National Science Foundation	6 /1 /2019	5 /31/2023	$ 406,264
	Lal, Pankaj/Birur, Dileep	The Clean Energy and Sustainability Analytics Center (CESAC): To Advance Research on the Sustainable Clean-Energy Economy	NJ Board of Public Utilities	8 /1 /2018	7 /31/2019	$ 199,965
Computer Science						
	Anu, Vaibhav	SHF: Medium: Collaborative Research: Application of Human Error Research to Capture and Prevent Requirements Engineering Errors in Industrial Settings	National Science Foundation - Collaborative with University of Alabama Tuscaloosa, North Dakota State University Fargo, Mississippi State University	8 /16/2019	8 /15/2023	$ 212,247
	Leberknight, Christopher	A Probabilistic Model for Detecting Controversy and Provenance in Political Content	Facebook	6 /3 /2019	6 /2 /2020	$ 98,880
	Li, Dawei	CRII: CSR: Models, Theories, and Algorithms for Practical and Efficient Edge Computing Systems	National Science Foundation	2 /1 /2019	1 /31/2021	$ 170,600
	Peng, Jing	Dynamic Multi-View Learning (RTA2-d, DDDAS)	Air Force Office of Scientific Research	1 /1 /2019	12/31/2021	$ 400,127
	Robila, Stefan	National Science Foundation Intergovernmental Personnel Act (IPA) Assignments Program	National Science Foundation	1 /24/2019	1 /23/2021	$ 385,600
	Sultana, Kazi Zakia	Collaborative Research: Improving the Participation of Women in Free, Libre and Open Source Software (FLOSS) Projects	National Science Foundation - Collaborative with Wayne State University	9 /1 /2019	8 /31/2022	$ 209,934
	Wang, Jiayin/Zhu, Michelle	Curriculum Design and Development on Data Analysis and Visualization for Middle School Students	Spencer Foundation	2 /1 /2019	1 /31/2021	$ 50,000

College/Division and Department	Lead Faculty	Project Title	Sponsor Name	Start Date	End Date	Amount Awarded
	Zhu, Michelle/Lal, Pankaj (Earth and Environmental Studies)/Li, Dawei	CyberTraining: Implementation: Small: Instill High Performance Computing, Scientific Visualization and Data Analytics in Research Workforce Training	National Science Foundation	9 /1 /2019	8 /31/2022	$ 499,985
Dean's Office						
	Billings, Lora/Gindt, Yvonne (Chemistry and Biochemistry)	Louis Stokes STEM Pathways and Research Alliance: Garden State LSAMP - Year 1	National Science Foundation - Subaward from Rutgers University	7/1/2019	6/30/2024	$ 257,365
Earth and Environmental Studies						
	Brachfeld, Stefanie/Deng, Yang/Li, Xiaona/Passchier, Sandra/Pope, Gregory	Acquisition of a Laser Ablation System at Montclair State University	National Science Foundation	1/1/2019	12/31/2019	$ 123,985
	Brachfeld, Stefanie	Antarctic Ice Sheet Dynamics tracked by Lithic Clast and Fe-oxide Provenance	US Science Support Program	1 /1 /2020	3 /30/2021	$ 18,000
	Brachfeld, Stefanie	Collaborative Research: RUI: Tracing coal ash solids in the environment: implications for long-term contamination of the aquatic ecosystem	National Science Foundation - Collaborative with Duke University - Subward from Appalachian State University	7/1/2019	6/30/2022	$ 23,612
	Brachfeld, Stefanie	U.S. Science Support Program Office associated with the International Ocean Discovery Program (USSSP-IODP)	National Science Foundation - Subaward from Columbia University	4 /1 /2019	5 /31/2020	$ 61,746
	Chopping, Mark	Forest and Shrub Mapping with MISR	National Aeronautics and Space Administration - Subcontract from California Institute of Technology	4 /9 /2019	12/31/2019	$ 40,629
	Cui, Ying	Development of new high-resolution pCO2 records for quantifying Earth system climate sensitivity	National Science Foundation - Subaward from University of Louisiana at Lafayette	1 /21/2019	12/31/2019	$ 40,533
	Deng, Yang	A Green Water Reuse Design for Small Communities	US Environmental Protection Agency	9 /1 /2019	8 /31/2020	$ 25,000
	Deng, Yang/Albalgane, Ali (Student)	Combating PFAS in Water using a New, Efficient, Repeated Adsorption-On-site Regeneration Approach	US Geological Survey - Subaward from New Jersey Water Resources Research Institute/ Rutgers University	3 /1 /2019	2 /28/2020	$ 5,000
	Deng, Yang	Holistic Assessment of Innovative Treatment Technologies for Alleviation of PFAS in Landfill Leachate and Leachate-Polluted Groundwater	US Environmental Protection Agency - Subaward to New Jersey Institute of Technology	9 /1 /2019	8 /31/2022	$ 900,000
	Feng, Huan	Collaborative research in application of natural radionuclides as tracers for trace element biogeochemical cycle in coastal environment	Ocean University of China	5 /1 /2019	12/31/2019	$ 5,800
	Feng, Huan	Correlation of past-century marine environment change with terrigenous dust record in cold-water corals	East China Normal University	8 /1 /2019	7 /31/2021	$ 21,706
	Feng, Huan	Machine Learning for Analyzing Complex Data Sets for Urban Watersheds	US Department of Energy - Subaward from Sunrise Technology, Inc.	2 /19/2019	2 /18/2020	$ 85,190
	Lal, Pankaj	Achieving green growth through terrestrial natural capital restoration in Rwanda	Green Growth Knowledge Platform/The Economics of Land Degradation	8 /1 /2019	3 /31/2020	$ 69,993
	Li, Xiaona/Deng, Yang/Goodey, Nina (Chemistry and Biochemistry)/Kruge, Michael/Wu, Meiyin (Biology)	MRI: Acquisition of a Twin Line Gas Chromatography Mass Spectrometry (GC MS) for Interdisciplinary Research and STEM Education at Montclair State University	National Science Foundation	9 /1 /2019	8 /31/2021	$ 158,451
	Li, Xiaona	Sedimentary sulfides in shallow coastal embayments of Long Island Sound and their toxicity to eelgrass	Long Island Sound Study - NY Sea Grant/CT Sea Grant - Subaward from University of Connecticut	3 /1 /2019	2 /28/2021	$ 92,684
	Lorenzo Trueba, Jorge	2019 Gulf Research Program Early-Career Research Fellowship	The National Academies of Sciences, Engineering, and Medicine	9 /1 /2019	8 /31/2021	$ 76,000
	Lorenzo Trueba, Jorge/Lal, Pankaj	A Coastal Geo-Economic Model to Manage Artificial Dunes with Vegetation in New Jersey	NJ Sea Grant Consortium	2 /1 /2020	1 /31/2022	$ 140,000
	Lorenzo Trueba, Jorge	Collaborative Research: From Surface Dynamics to Strata: Quantifying the Signals of Surface Processes in Space and Time	National Science Foundation - Collaborative with University of Central Florida, University of Connecticut, University of New Mexico Gallup	7 /15/2019	7 /14/2021	$ 135,322
	Lorenzo Trueba, Jorge/Cortes, Isamar (Student)	Exploring the role of evaporation and precipitation on mangrove island morphology	National Aeronautics and Space Administration (FINESST)	9 /1 /2019	8 /31/2022	$ 135,000
	Lorenzo Trueba, Jorge/Cortes, Isamar (Student)	Exploring the role of evaporation and precipitation on mangrove island morphology	National Aeronautics and Space Administration (Fellowship Activity)	9 /1 /2019	9 /30/2022	$ 165,000
	Lorenzo Trueba, Jorge	Modeling Long-Term Morphologic Response of Barrier Islands in Support of Research in Coastal Sediment Supply and Flux	US Geological Survey	10/1/2018	8/31/2020	$ 30,000
	Miller, Jessica	Perceptions of Dam Removal Along New Jersey's Musconetcong River	US Geological Survey - Subaard from New Jersey Water Resources Research Institute/ Rutgers University	6 /15/2019	6 /14/2020	$ 18,498
	Passchier, Sandra	PEA 379: Early Pliocene ice-sheet dynamics in the Amundsen Sea Embayment reconstructed through facies and sediment provenance analyses, IODP Sites U1532 and U1533	National Science Foundation - Subaward from Columbia University	7 /1 /2019	10/1 /2019	$ 17,951
	Passchier, Sandra	U.S. Science Support Program Office associated with the International Ocean Discovery Program (USSSP-IODP)	National Science Foundation - Subaward from Columbia University	1 /1 /2019	3 /31/2020	$ 55,327

College/Division and Department	Lead Faculty	Project Title	Sponsor Name	Start Date	End Date	Amount Awarded
Mathematical Sciences						
	Bal, Deepak	Random Structures: Colorings and Algorithms	National Science Foundation	9 /1 /2019	8 /31/2022	$ 96,759
	Bal, Deepak	Random Structures: Colorings and Algorithms	Simons Foundation	9 /1 /2019	8 /31/2024	$ 42,000
	Choi, Youngna	Systemic Risk Measures of Nonfinancial Sectors	Simons Foundation	9 /1 /2019	8 /31/2024	$ 42,000
	Forgoston, Eric	HILEAPS: HIerarchical LEarning to Advance Predictive modeling of Submesoscale invariant features	Office of Naval Research - Subaward from University of Pennsylvania	6 /1 /2019	5 /31/2024	$ 1,237,800
	Forgoston, Eric	NRI: FND: COLLAB: Leveraging Robot-Fluid Interactions for Control of Reconfigurable Origami Robots in Geophysical Flows	National Science Foundation - Collaborative with University of Pennsylvania, Cooper Union	9 /1 /2019	8 /31/2022	$ 199,998
	Forgoston, Eric	RI: Medium: Collaborative Research: Controlling Multiple Microrobots Through Magnetic Field Design	National Science Foundation - Collaborative with University of Pennsylvania, Cooper Union	10/1 /2019	9 /30/2022	$ 300,000
	Forgoston, Eric/Billings, Lora (Dean's Office)	RUI: Stochastic Interactions: Understanding Invasion and Extinction in Ecological Systems	National Science Foundation	7 /1 /2019	6 /30/2022	$ 299,347
	Golnabi, Amir	3D Discrete Dipole Approximation in Microwave Imaging for Breast Cancer Detection	Burroughs Wellcome Fund	6 /1 /2019	12/31/2020	$ 7,250
	Golnabi, Amir	Synthesizing 3D Ultrasound Images of Different Fetal Structures for Automated Semantic Segmentation	National Institutes of Health (R15) - Subaward to Vanderbilt University	9/1/2019	8/31/2022	$ 432,580
	Ivanescu, Andrada	Biostatistical methods for joint multivariate longitudinal and time to event data analysis	National Institutes of Health (R03) - Subaward to Johns Hopkins University	1 /1 /2020	12/31/2021	$ 170,472
	Ivanescu, Andrada	Child growth curve dynamic modeling	Bill and Melinda Gates Foundation - Subaward from Johns Hopkins University	7 /1 /2019	7 /31/2019	$ 10,108
	Ivanescu, Andrada	Statistical Analysis of QTVI data during sleep	Johns Hopkins University	7 /1 /2019	6 /30/2020	$ 30,000
	Murray, Eileen/DiNapoli, Joseph	Building A Teacher Knowledge Base For The Implementation Of High-quality Instructional Resources Through The Collaborative Investigation Of Video Cases	National Science Foundation - Collaborative with SUNY College at Buffalo and DePaul University	7 /1 /2019	6 /30/2023	$ 532,224
	Paoletti, Teo	Graphing From the Group Up	National Science Foundation - Collaborative with Texas State University - Subaward to Montana State University	7 /1 /2019	6/30/2022	$ 268,143
	Vaidya, Ashuwin/Chung, Bong Jae	Collaborative Research: Vortex Induced Oscillations with Application to Energy Harvesting	National Science Foundation - Collaborative with SUNY College at New Paltz	9 /1 /2019	8 /31/2022	$ 298,549
	Vaidya, Ashuwin	REU Supplement: Collaborative Research: Dynamics of surfactant - amyloid-beta protein interactions during self-assembly	National Science Foundation	6 /1 /2019	5 /31/2020	$ 6,000
Passaic River Institute						
	Wu, Meiyin	Floodplain Restoration and Monitoring at Beatty's Mill	National Fish and Wildlife Foundation - Subaward from Musconetcong Watershed Association	3 /1 /2020	2/28/2022	$ 24,000
	Wu, Meiyin	Habitat Suitability of the Musconetcong River for American Shad (Alosa sapidissima)	NJ Department of Environmental Protection	5 /1 /2019	4 /30/2020	$ 3,500
	Wu, Meiyin/Acosta, Yaritza (Student)	Investigation β-N-methylamino-L-alanine (BMAA) in Potable Water Sources of New Jersey	US Geological Survey - Subaward from New Jersey Water Resources Research Institute/ Rutgers University	5 /1 /2019	4 /30/2020	$ 5,000
	Wu, Meiyin	PRE-PROPOSAL: Developing an innovative decision support tool for restoring connectivity	National Fish and Wildlife Foundation	2/20/2020	1/31/2021	$ -
	Wu, Meiyin	PRE-PROPOSAL: Developing Water Quality Prediction Models for Freshwater Harmful Algal Blooms Using Real-time Continuous Water-quality Data	US Geological Survey	9/1/2019	8/31/2021	$ -
	Wu, Meiyin	PRE-PROPOSAL: Stopping Trash Where It Starts	Hudson River Foundation	9 /1 /2019	8 /31/2021	$ -
	Wu, Meiyin	Stopping Trash Where It Starts	US Environmental Protection Agency - Subaward from Hudson River Foundation	8 /1 /2018	6 /30/2019	$ 10,000
	Wu, Meiyin	Study on the Concentrations and Sources of the Cyanotoxins BMAA, DAB and AEG in the Raw and Finished Water in New Jersey, US and Taiwan	Ministry of Science and Technology, Republic of China - Subaward from National Cheng Kung University	1 /1 /2019	7 /31/2020	$ 6,630
Physics and Astronomy						
	Martin, Rodica	Faraday Isolator Optical Design and Test	National Science Foundation - Subcontract from California Institute of Technology	5/1/2019	2/1/2022	$ 110,455
Professional Resources in Science and Mathematics						
	Giacalone Willis, Jacalyn	The New Jersey STEM Innovation Fellowship	Math for America	1 /30/2019	8 /1 /2020	$ 200,000
	Giacalone Willis, Jacalyn	The Rainforest Connection Live! and ¡Conexion al Bosque Tropical!	U.S. Embassy in Panama	2 /1 /2019	8 /31/2019	$ 49,963
PSEG Institute for Sustainability Studies						
	Tuininga, Amy; Deng, Yang (Earth and Environmental Studies); Goodey, Nina (Chemistry and Biochemistry)	Collaborative Research: NSF INCLUDES Alliance: Industry-University Partnerships (I-UP): Increasing Inclusive Opportunities in STEM through Deep Partnered Experiences	Collaborative with New Mexico State University, University of New Hampshire, Hampton University, Howard University	9 /2 /2019	9 /1 /2024	$ 6,300,000
	Tuininga, Amy/Goodey, Nina (Chemistry and Biochemistry)	Letter of Intent: Connecting to Place and Purpose: Nontraditional Internships as a Social Equalizer in Career Attainment	Spencer Foundation	9 /1 /2019	8 /31/2024	$ -

College/Division and Department	Lead Faculty	Project Title	Sponsor Name	Start Date	End Date	Amount Awarded
		Total Proposals for CSAM: 82			**Total for CSAM:**	**$ 19,222,200**
FELICIANO SCHOOL OF BUSINESS						
Information Management and Business Analytics						
	Johnson, Marina	HDR DSC: Collaborative Research: New Jersey Data Science Corps - Conquering Big Data	National Science Foundation - Collaborative with Rowan University, Rider University, and New Jersey City University	9 /3 /2019	9 /2 /2022	$ 152,078
Marketing						
	Kumar, Archana	Understanding consumer motivations to purchase local food at the point-of-purchase	US Department of Agriculture	9 /30/2019	3 /31/2021	$ 96,100
	Zhang, Junzhou	Understanding WIc Participants' App Usage and Benefit Redemption Behaviors	Duke University - Subaward from Old Dominion University Research Foundation	8/1/2019	7/31/2020	$ 15,000
		Total Proposals for SBUS: 3			**Total for Library Services:**	**$ 263,178**
LIBRARY SERVICES						
	Shapiro, Steven	Building a community partnership with local schools to promote Humanities and Science Literacy through programming	NJ Council for the Humanities	1 /1 /2019	6 /30/2019	$ 5,000
	Shapiro, Steven	From Cosmic Rivals to Collaborators: Cold War politics and Soviet-American cooperation in space	Society for the History of Technology	7 /1 /2019	12/31/2019	$ 3,000
	Shapiro, Steven	Journey to the Moon: New Jersey and the launch of America's space program	Essex County Department of Parks, Recreation, and Cultural Affairs	7 /1 /2019	12/31/2019	$ 5,000
		Total Proposals for Library Services: 3			**Total for Library Services:**	**$ 13,000**
OFFICE OF INTERNATIONAL ENGAGEMENT						
	Dominguez, Domenica	Erasmus+ with University of Graz, Call 2019: Application for funding within Key Action 1 - International Credit Mobility	Erasmus+ - Subaward from University of Graz, Austria	7 /1 /2019	6 /30/2021	$ -
	Williams, Jane Ann	Fulbright Gateway Orientation Program	US Department of State - Subaward from Institute of International Education, Inc.	1 /1 /2019	12/31/2019	$ 54,095
		Total Proposals for Office of International Engagement: 2			**Total for Office of International Engagement:**	**$ 54,095**
OFFICE OF THE PROVOST						
	Gingerich, Willard/Cheng, Tyrone (CHSS)/DeSilva, Saliya (CSAM)/Dos Santos, Joana (University Facilities)	GROWING APPRENTICESHIP IN NONTRADITIONAL SECTORS (GAINS): MSU New Jersey DOL Apprenticeship Program (MAP)	NJ Department of Labor and Workforce Development	3 /1 /2019	2 /28/2022	$ 523,380
		Total Proposals for Office of the Provost: 1			**Total for Office of International Engagement:**	**$ 523,380**
STUDENT DEVELOPMENT AND CAMPUS LIFE (SDCL)						
Campus Recreation						
	Sperling, Alexander	Outdoor Nation Northeast Campus Clubs	Outdoor Foundation and the National Park Service	9 /1 /2018	12/30/2018	$ 1,760
Emergency Medical Services						
	Lawrence, Jacqueline	2018 Assistance to Firefighters Grant	Department of Homeland Security	6 /1 /2019	5 /31/2020	$ 115,023
		Total Proposals for SDCL: 2			**Total of SDCL:**	**$ 116,783**
		TOTAL PROPOSALS: 167			**GRAND TOTAL:**	**$ 41,685,839**

College/Division and Department	Lead Faculty	Project Title	Sponsor Name	Start Date	End Date	Amount Awarded
ACADEMIC AFFAIRS (AA)						
CENTER FOR COMMUNITY ENGAGEMENT						
	Murdock, Bryan	City of Orange Proposal to the U.S. Department of Education: University Assisted Full Service Community Schools Program - Year 5	US Department of Education - Subaward to Orange Public Schools	10/1 /2018	9 /30/2019	$ 497,598
	Murdock, Bryan/ FitzGerald, Randall (CSAM)/Thomas, William (CSAM)/Woolston, Krystal	Montclair State University EECO Project	Corporation for National and Community Service - Subaward from NJ Commission on National and Community Service	9 /1 /2018	8 /31/2019	$ 365,518
	Woolston, Krystal/Murdock, Bryan	MLK Day of Service 2019	NJ Commission on National and Community Service	1 /1 /2019	1 /31/2019	$ 2,500
		Total Awards for Center for Community Engagement: 3	**Total for Center for Community Engagement:**			**$ 865,616**
COLLEGE OF THE ARTS (CART)						
Arts and Cultural Programming						
	Wheeler, Jedediah	General Program Support FY 2019	NJ State Council on the Arts	7 /1 /2018	6 /30/2019	$ 54,464
University Art Galleries						
	Sharps, Ronald	General Program Support FY2019	NJ State Council on the Arts	7 /1 /2018	6 /30/2019	$ 12,828
		Total Awards for CART: 2			**Total for CART:**	**$ 67,292**
COLLEGE OF EDUCATION AND HUMAN SERVICES (CEHS)						
Center for Autism and Early Childhood Mental Health						
	Costa, Gerard/Mulcahy, Kaitlin	FY19 Socio-Emotional Formation Initiative (SEFI)	NJ Department of Human Services	7 /1 /2018	6 /30/2019	$ 850,000
	Costa, Gerard/Mulcahy, Kaitlin	Project LAUNCH 2018-2019	NJ Department of Children and Families	7 /1 /2018	6 /30/2019	$ 1,029,471
Center for Research and Evaluation on Education and Human Services						
	Kyse, Eden/Swann-Jackson, Rebecca	2019 New Jersey Middle School Risk and Protective Factor Survey	NJ Department of Human Services	12/1 /2018	6 /30/2021	$ 750,378
	Kyse, Eden	Action Plan, Research and Evaluation	US Department of Justice - Subaward from NJ Department of Law and Public Safety	1 /1 /2018	9 /30/2020	$ 122,200
Center of Pedagogy						
	Robinson, Jennifer	Newark Montclair Urban Teacher Residency - Year 5	US Department of Education	10/1 /2018	9 /30/2019	$ 1,206,213
	Robinson, Jennifer/Gonzalez, Carolina/Koch. Geraldine	Recruiting Teachers of Color	NJ Department of Education	12/1 /2018	6 /30/2020	$ 375,000
Educational Foundations						
	Matthews, Jamaal	CAREER: How Urban Adolescents Come to Think of Themselves as Mathematicians - Year 5	National Science Foundation	7 /1 /2018	6 /30/2019	$ 147,553
Educational Leadership						
	Bulkley, Katrina	School Choice Policy Research Center: A National Research Partnership to Improve School Choice for Disadvantaged Students - Year 1	Institute of Education Sciences - Subaward from Tulane University	9 /1 /2018	8 /31/2019	$ 38,817
	Jaffe-Walter, Reva	Improving the Experiences and Outcomes of Immigrant Youth: an Examination of the INPS - Year 2	William T. Grant Foundation - Subaward from New York University	6 /1 /2018	5 /31/2019	$ 24,578
Family Science and Human Development						
	Reid, Robert/Garcia-Reid, Pauline	Project C.O.P.E. - Supplement	US Department of Health & Human Services/SAMHSA - Subaward to Rutgers University	9 /30/2018	9 /29/2019	$ 25,000
	Reid, Robert/Garcia-Reid, Pauline	Paterson Coalition Against Substance Abuse (P-CASA) - Year 6	US Department of Health & Human Services/SAMHSA - Subaward to University of New Mexico	9 /30/2018	9 /29/2019	$ 125,000
	Urban, Jennifer	Can Leadership Virtues be Taught? Developing Virtuous School Leaders	John Templeton Foundation - Subaward from University of Missouri - St. Louis - Subaward to Cornell University	10/1 /2018	9 /30/2021	$ 300,534
	Urban, Jennifer/Linver, Miriam	Evaluating STEM Scouts: The Design of a Comprehensive Evaluation Plan and Feasibility Study	National Science Foundation - Subaward to American Institutes for Research in the Behavorial Science	11/1 /2018	4 /30/2020	$ 193,617
	Urban, Jennifer	Growing Relational Virtues in Parents and Children - Year 2	John Templeton Foundation - Subaward from University of California-Berkeley - Subaward to Cornell University	7 /24/2018	6 /30/2019	$ 54,916
	van Eeden-Moorefield, Bradley/Opara, Ijeoma (Student)	Behavioral Sciences Training in Drug Abuse Research - Years 2 & 3	National Institutes of Health (T32) - Subaward from New York University	7 /1 /2017	6 /30/2019	$ 49,204
Institute for Research on Youth Thriving and Evaluation						
	Tevington, Patricia (Post-Doc)/Urban, Jennifer	Understanding Americans' Abortion Attitudes: A Proposal for Sociological Research	University of Notre Dame	5 /13/2019	12/31/2019	$ 6,000
Public Health						

College/Division and Department	Lead Faculty	Project Title	Sponsor Name	Start Date	End Date	Amount Awarded
	Leech, Tamara	SAMHSA Young Adult Survey - Year 2	US Department of Health and Human Services/SAMHSA - Subaward from Indiana University	7 /1 /2018	6 /30/2019	$ 19,471
Teaching and Learning						
	Bacon, Jessica/Baglieri, Susan	Increasing Access to College Project	Kessler Foundation	10/1 /2018	9 /30/2019	$ 10,000
	Freedson, Margaret	International Consortium for Multilingual Excellence in Education (ICMEE) - Supplement	US Department of Education - Subaward from University of Nebraska-Lincoln	9 /1 /2018	8 /31/2019	$ 19,778
	Larkin, Douglas/Adams, Sandra (CSAM)	Studying the Retention of Novice Science Teachers by Learning from School District Induction and Mentoring Programs - Years 1, 2 & 3	National Science Foundation	8 /15/2018	7 /31/2023	$ 431,398
		Total Awards for CEHS: 20			**Total for CEHS:**	**$ 5,779,128**
COLLEGE OF HUMANITIES AND SOCIAL SCIENCES (CHSS)						
Communication Sciences and Disorders						
	Hitchcock, Elaine	Biofeedback-Enhanced Treatment for Speech Sound Disorder: Randomized Controlled Trial and Delineation of Sensorimotor Subtypes - Year 1	National Institutes of Health (R01) - Subaward from New York University	1 /1 /2019	12/31/2019	$ 271,097
	Koehnke, Janet/Appelbaum, Maris	New Jersey Hearing Aid Project - Year 3	NJ Department of Human Services	7 /1 /2018	6 /30/2019	$ 71,224
History						
	Hayes, Dawn/Pope, Gregory (CSAM)	Documenting the Past, Triaging the Present and Assessing the Future: A Prototype for Sicily's Norman Heritage, ca. 1061-1194	National Endowment for the Humanities	9 /1 /2019	8 /31/2020	$ 49,783
Psychology						
	Grapin, Sally/Masia, Carrie	Selfie-Identity Matters: Exploring the Relations among Online Racial Discrimination, Racial Centrality, and Academic Achievement among African American Adolescents	American Psychological Foundation	1 /1 /2019	12/31/2019	$ 10,000
	Lowe, Sarah	GuLF Study: Support for Mental Health Analyses - Year 2	National Institutes of Health - Subcontract from Social & Scientific Systems, Inc.	9 /26/2018	9 /25/2019	$ 46,885
Robert D. McCormick Center for Child Advocacy and Policy						
	Dickinson, Jason	Post BA Certificate in Adolescent Advocacy - 2018-2019	NJ Department of Children and Families	9 /1 /2018	8 /31/2019	$ 246,238
Sociology						
	Besen-Cassino, Yasemin	Contemporary Sociology Editorship - Year 1	American Sociological Association	8 /1 /2019	12/31/2019	$ 21,933
		Total Awards for CHSS: 7			**Total for CHSS:**	**$ 717,160**
COLLEGE OF SCIENCE AND MATHEMATICS (CSAM)						
Biology						
	Bologna, Paul/Gaynor, John	Assessment of clinging jellyfish Gonionemus vertens populations in the Shrewsbury River Estuary and the Manasquan River Estuary - Supplements	NJ Department of Environmental Protection	8 /31/2018	4/30/2020	$ 57,745
	Bologna, Paul/Gaynor, John/Meredith, Robert	Assessment of the impacts of OCNGS on gelatinous zooplankton and planktonic community structure - Years 1 & 2	NJ Department of Environmental Protection	8 /7 /2018	6/30/2020	$ 131,934
	Feehan, Colette	Promoting the health and resiliency of Florida's coral reef ecosystem: enhancing herbivory by restoring long-spined urchin (Diadema antillarum) habitat	US Department of the Interior/US Fish and Wildlife Service - Subaward from Florida Fish & Wildlife Conservation Commission	4 /8 /2018	6 /30/2019	$ 7,647
	Molina, Carlos	Post-translational Regulation of Inducible cAMP Early Repressor and its Implications in Cancer - Year 2	National Institutes of Health (SC1)	5 /1 /2019	4 /30/2020	$ 321,219
	O'Hagan, Robert	Enhancement of Cytoskeletel Dynamics and Motor Transport By Manipulation of Post-Translational Microtubule Glutamylation To Maximize Neuroregeneration	NJ Department of Health - Subaward from Rutgers University	9 /1 /2018	6 /30/2019	$ 14,460
Chemistry and Biochemistry						
	Catalano, Jaclyn/Goodey, Nina	Jean Dreyfus Lectureship: A two day biophysical seminar with a leading Biochemist	Camille and Henry Dreyfus Foundation Inc.	9 /1 /2018	8 /31/2019	$ 18,500
	Gindt, Yvonne	DNA Repair under Extreme Conditions - Extended Studies - Year 2	National Aeronautics and Space Administration - Subaward from Temple University	9 /1 /2018	8 /31/2019	$ 33,920
	Goodey, Nina/Konas, David	Investigation of Substrate Specificity, Mechanism, and Inhibition of IGPS	National Institutes of Health (R15)	9 /1 /2018	8 /31/2021	$ 301,781
	Goodey, Nina/Angel, Allyssa (Student)	Rapid, DNA-Based Test for Ranavirus Detection	US Geological Survey - Subaward from NJ Water Resources Research Institute/ Rutgers University	6 /18/2018	6 /17/2019	$ 5,000
	Rotella, David/Siekierka, John	Development of inhibitors of P. falciparum cGMP dependent protein kinase (PfPKG) for malaria chemoprevention - Year 2	National Institutes of Health (R01) - Subaward from Rutgers University	8 /1 /2018	7 /31/2019	$ 253,047
	Siekierka, John	Celegene Corporation Sponsored Research Agreement: Development of Anti-Parasitic Drugs - Supplement	Celegene Corporation	12/6 /2018	12/31/2019	$ 128,935
Clean Energy and Sustainability Analytics Center						

College/Division and Department	Lead Faculty	Project Title	Sponsor Name	Start Date	End Date	Amount Awarded
	Lal, Pankaj/Birur, Dileep	The Clean Energy and Sustainability Analytics Center (CESAC): To Advance Research on the Sustainable Clean-Energy Economy	NJ Board of Public Utilities	8 /1 /2018	7 /31/2019	$ 199,965
Computer Science						
	Robila, Stefan	National Science Foundation Intergovernmental Personnel Act - Years 2 & 3	National Science Foundation	1 /24/2019	1 /23/2021	$ 385,600
Dean's Office						
	Billings, Lora/Gindt, Yvonne (Chemistry and Biochemistry)	Louis Stokes STEM Pathways and Research Alliance: Garden State LSAMP - Year 1	National Science Foundation - Subaward from Rutgers University	3 /1 /2019	2 /29/2020	$ 51,473
Earth and Environmental Studies						
	Brachfeld, Stefanie	Collaborative Research: Elucidating the Role of Titanomagnetite in Vesiculation of Silicic Magmas	National Science Foundation - Collaborative with University of Hawaii	4 /1 /2019	3 /31/2022	$ 113,225
	Brachfeld, Stefanie	U.S. Science Support Program Office associated with the International Ocean Discovery Program (USSSP-IODP)	National Science Foundation - Subaward from Columbia University	4 /1 /2019	2 /29/2020	$ 61,746
	Chopping, Mark	Forest and Shrub Mapping with MISR - Supplement	National Aeronautics and Space Administration - Subcontract from California Institute of Technology	6 /15/2016	12/31/2019	$ 40,629
	Cui, Ying	Development of new high-resolution pCO2 records for quantifying Earth system climate sensitivity	National Science Foundation - Subaward from University of Louisiana at Lafayette	3 /15/2019	6 /30/2019	$ 40,533
	Deng, Yang/Cui, Junkui (Student)	Development of An Innovative and Resilient Emergency Water Treatment (EWT) for Natural Disasters	US Geological Survey - Subaward from NJ Water Resources Research Institute/ Rutgers University	6 /18/2018	6 /17/2019	$ 5,000
	Deng, Yang/Wu, Meiyin (Biology)	MRI: Acquisition of a Dynamic Imaging Particle Analyzer for Characterization of Particulate Matters in Engineered and Natural Water Systems at Montclair State University	National Science Foundation	8 /1 /2018	7 /31/2020	$ 192,212
	Deng, Yang	Towards Innovative and Green Water Reuse with Integrated Constructed Wetlands and Ferrate(VI) Treatment - Year 1	US Agency for International Development - Subaward from National Academy of Sciences	7 /1 /2019	8 /31/2020	$ 97,692
	Feng, Huan	Collaborative research in application of natural radionuclides as tracers for trace element biogeochemical cycle in coastal environment	Ocean University of China	5 /1 /2019	12/31/2019	$ 4,400
	Lal, Pankaj	CAREER: Geographic Suitability, Socioeconomic Uncertainty, and Environmental Consequences: Exploring Place-based Opportunities for Bioenergy Sustainability - Year 5	National Science Foundation	8 /1 /2020	7 /31/2021	$ 80,305
	Lorenzo Trueba, Jorge	Collaborative Research: From Surface Dynamics to Strata: Quantifying the Signals of Surface Processes in Space and Time - Year 1	National Science Foundation - Collaborative with University of Connecticut, University of New Mexico, University of Central Florida	7 /14/2019	6 /30/2021	$ 63,927
	Lorenzo Trueba, Jorge	Modeling Long-Term Morphologic Response of Barrier Islands in Support of Research in Coastal Sediment Supply and Flux - Year 1	US Geological Survey	3 /27/2019	3 /26/2020	$ 30,000
	Passchier, Sandra	U.S. Science Support Program Office associated with the International Ocean Discovery Program (USSSP-IODP)	National Science Foundation - Subaward from Columbia University	1 /1 /2019	2 /28/2019	$ 55,327
Health Careers						
	Lorenzo, Donna	Montclair State University Upward Bound Project - Years 1 (Supplement), 2 & 3	US Department of Education	9 /1 /2018	8/31/2020	$ 569,130
Mathematical Sciences						
	DiNapoli, Joseph	SBIR Phase II: Meaningful Sketching and Meaningful Struggle in STEM Education	National Science Foundation - Subaward from eGrove Education, Inc.	9 /1 /2018	8 /31/2020	$ 36,526
	Forgoston, Eric/Billings, Lora (Dean)	RUI: Stochastic Interactions: Understanding Invasion and Extinction in Ecological Systems - Years 1 & 2	National Science Foundation	7 /1 /2019	6 /30/2020	$ 166,039
	Greenstein, Steven/Fernandez, Eileen	Prospective Elementary Teachers Making for Mathematical Learning	National Science Foundation	9 /1 /2018	8 /31/2020	$ 422,195
	Ivanescu, Andrada	Child growth curve dynamic modeling	Bill and Melinda Gates Foundation - Subaward from Johns Hopkins University	10/1 /2018	9 /30/2019	$ 10,108
	Murray, Eileen/DiNapoli, Joseph	Building a Teacher Knowledge Base for the Implementation of High-quality Instructional Resources Through the Collaborative Investigation of Video Cases	National Science Foundation -Collaborative with DePaul University, The Research Foundation of SUNY College at Buffalo	7 /1 /2019	6 /30/2023	$ 532,224
	Paoletti, Teo	Developing Middle-School Students' Understandings of Coordinate Systems (Mid-CoS) Project	Spencer Foundation	7 /1 /2018	8 /31/2019	$ 50,000
	Vaidya, Ashuwin	REU Supplement: Collaborative Research: Dynamics of surfactant - amyloid-beta protein interactions during self-assembly	National Science Foundation	6 /1 /2019	7 /31/2021	$ 6,000
Passaic River Institute						
	Wu, Meiyin	Stopping Trash Where It Starts - Award & Supplement	US Environmental Protection Agency - Subaward from Hudson River Foundation	8 /1 /2018	12/31/2019	$ 19,000
	Wu, Meiyin	Study on the Concentrations and Sources of the Cyanotoxins BMAA, DAB and AEG in the Raw and Finished Water in New Jersey, US and Taiwan	Ministry of Science and Technology, Republic of China - Subaward from National Cheng Kung University	1 /1 /2019	7 /31/2019	$ 4,302
Physics and Astronomy						
	Favata, Marc	CAREER: Research and Education in Gravitational-Wave Science - Year 3	National Science Foundation	6 /1 /2019	5 /31/2022	$ 77,812

College/Division and Department	Lead Faculty	Project Title	Sponsor Name	Start Date	End Date	Amount Awarded
	Martin, Rodica	Faraday Isolator Optical Design and Test	National Science Foundation - Subcontract from California Institute of Technology	6 /28/2019	5 /1 /2022	$ 182,384
	Martin, Rodica	RUI: Survey of Magneto-Optical Materials for Faraday Isolators in Future Gravitational-wave Detectors	National Science Foundation	8 /1 /2018	7 /31/2021	$ 90,000
Professional Resources in Science and Mathematics						
	Giacalone Willis, Jacalyn	The New Jersey STEM Innovation Fellowship	Math for America	1 /30/2019	8 /1 /2020	$ 200,000
PSEG Institute for Sustainability Studies						
	Tuininga, Amy/Deng, Yang (Earth and Environmental)/Kerr, Iain (SBUS)	Green Teams: Creating a Process for Sustainable Technology Product Development	VentureWell	7 /1 /2018	12/31/2020	$ 31,000
		Total Awards for CSAM: 41			**Total for CSAM:**	**$ 5,092,942**
LIBRARY SERVICES						
	Shapiro, Steven	Building a community partnership with local schools to promote Humanities and Science Literacy through programming	NJ Council for the Humanities	1 /1 /2019	6 /30/2019	$ 5,000
		Total Awards for Library Services: 1			**Total for Library Services:**	**$ 5,000**
OFFICE OF INTERNATIONAL ENGAGEMENT						
	Williams, Jane Ann	Fulbright Gateway Orientation Program	US Department of State - Subaward from Institute of International Education, Inc.	4 /1 /2019	9 /15/2019	$ 52,315
		Total Awards for Office of International Engagement: 1			**Total for Office of International Engagement:**	**$ 52,315**
STUDENT DEVELOPMENT AND CAMPUS LIFE (SDCL)						
Campus Recreation						
	Sperling, Alexander	Outdoor Nation Northeast Campus Clubs	Outdoor Foundation and the National Park Service	9 /1 /2018	12/30/2018	$ 1,800
		Total Awards for SDCL: 1			**Total of SDCL:**	**$ 1,800**
		TOTAL AWARDS: 76			**GRAND TOTAL:**	**$ 12,581,253**