

**ANNUAL REPORT OF THE UNIVERSITY RESEARCH BOARD AND THE OFFICE
OF RESEARCH AND PROJECT ADMINISTRATION
2015-2016
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SECTION I

THIS SECTION FOCUSES ON SPONSORED RESEARCH EXPENDITURES FOR THE ACADEMIC YEAR 2016.

ORPA EXPENDITURES FOR SPONSORED RESEARCH

COMMENTARY AND ANALYSIS

I. EXPENDITURES FOR SPONSORED RESEARCH BACKGROUND AND OVERVIEW

As a world-renowned research university, Princeton seeks to achieve the highest levels of distinction in the discovery and transmission of knowledge and understanding. Conducting cutting-edge research and having an unparalleled commitment to teaching are at the core of the University's mission. Sponsored research accounts for about a quarter of the University's total operating budget. Consequently, the health of Princeton's research enterprise is vitally important to the University's success.

Approximately 81% of Princeton's extramural research funding comes from U.S. government sources (this includes prime federal sources). Federal funding for research in the U.S. has been on the decline in recent years, from its peak in 2011, and automatic federal budget cuts from the sequestration mandated by the Budget Control Act of 2011 have exacerbated this trend. Inflation further reduces the purchasing power of research and development funding. However in FY2016, funding from government sources was up by 2.4%. The National Science Foundation and the National Institutes of Health still continue to be our major contributors, funding over 60% of Princeton's federal sponsored research.

Despite these challenges, Princeton continues to sustain a strong research engine and its faculty continues to attract substantial funding for their state-of-the-art research endeavors. Sponsored research expenditures for Princeton's main campus totaled \$200.8M for fiscal year 2016. The Princeton Plasma Physics Laboratory (PPPL) recorded an additional \$117.6M in sponsored research expenditures during the same period. Continued vigilance of the funding landscape, both federal and private, will be critical to future growth and responsible stewardship of the University's research portfolio.

FY 2016 Statistics

Several tables and charts are provided to illustrate historical trends in sponsored research for Princeton's main campus and PPPL. Expenditures are described in actual dollars and have not been adjusted for inflation. Chart 1 details sponsored research expenditures since FY2006.

The grand total of FY2016 sponsored research expenditures for the University and PPPL combined was \$318.4M, an increase of 3.4% from the previous fiscal year. University main campus expenditures was up 3.9%, totaling \$ 200.8M. During the same time period, PPPL's expenditures, at \$117.6M, increased 4.7%.

Sponsored Research at Princeton University (Exclusive of PPPL)

Funding for Princeton researchers is provided by a variety of external sponsors, and historically, the primary source has been federal agencies. This pattern continued in FY 2016, with federal and state government funding providing \$142.3 million in research support. This comprises almost 71% of all sponsored research expenditures at the University (Chart 3-1). When expenditures are recorded according to the prime sources, the percentage is almost 81% (Chart 3-2) at \$162.6 million.

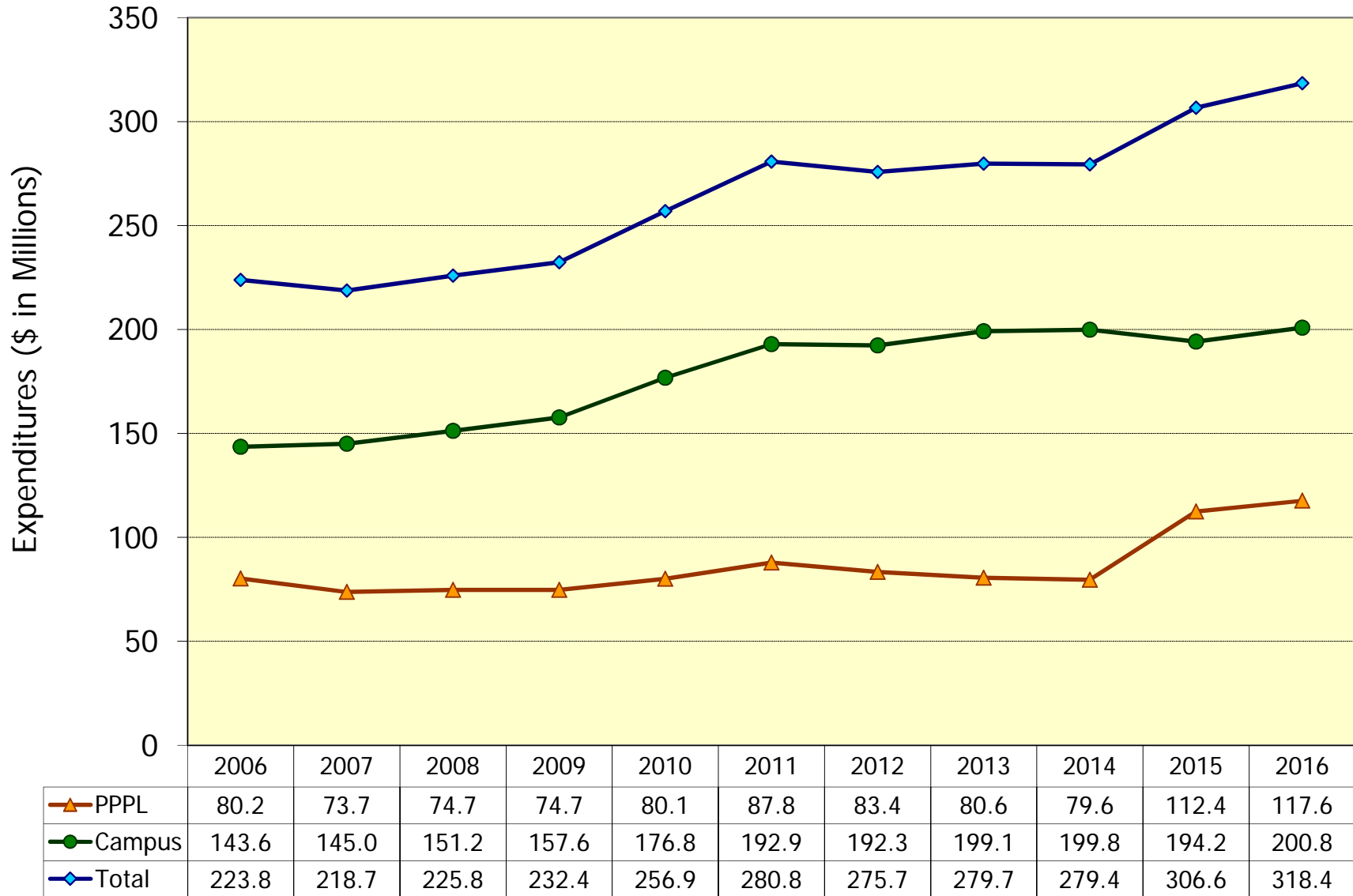
The five leading government sponsors were the National Science Foundation, National Institutes of Health, Department of Defense agencies (including the Army, Air Force, Navy, DARPA, NSA, and DTRA), Department of Energy, and for the first time, Department of Commerce surpassed NASA. These agencies provided, respectively, \$54.2M, \$40.3M, \$20.0M, \$11.2M, and \$8.5M in research funding during FY2016 (Table 1 and Chart 3-1). When represented by prime funding sources the levels of support were \$57.2M, \$45.9M, \$26.1M, \$14.0M, and \$8.9M, respectively (Table 2 and Chart 3-2).

Chart 4-1 presents a five-year comparison of government-sponsored expenditures from FY2012-2016, and Chart 4-2 categorizes federally funded subawards from industry and private organizations by their prime source of funds.

Funding from non-government sources comprised the balance of the total research expenditures in FY2016 (Chart 5-1). This category includes foundations, industry, and private/other entities (e.g., educational institutions, hospitals, foreign entities), which together represent 29.1% of Princeton's sponsored-research expenditures. When expenditures are moved to their prime sources, non-government sources account for 19.0% (Chart 5-2) of the total sponsored research portfolio.

Chart 1

HISTORY OF SPONSORED RESEARCH EXPENDITURES



SECTION I

TABLE 1

5 YEAR HISTORY BY SPONSOR
SPONSORED PROJECT EXPENDITURES (\$1,000)

Sponsors, Campus					
	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>
NSF	48,656	55,877	52,465	50,058	54,194
NIH	43,248	40,584	39,951	38,421	40,305
DOD	21,103	23,737	24,039	23,040	20,021
DOE	14,721	14,361	14,707	14,629	11,240
NASA	4,015	4,936	5,418	5,657	4,690
DOC	4,651	4,227	4,273	5,463	8,512
NJ	720	561	525	382	492
Other (CIA, DOI, DOT, EPA, USDA, Misc)	1,575	1,738	1,909	1,715	2,817
NEH and NEA	207	186	145	9	8
TOTAL GOVERNMENT	138,898	146,206	143,433	139,374	142,279
TOTAL FOUNDATION	12,037	13,853	18,417	20,794	21,458
TOTAL PRIVATE/OTHER	24,585	24,639	27,082	22,820	24,705
TOTAL INDUSTRIAL	16,803	14,439	10,882	11,198	12,334
TOTAL, CAMPUS	\$192,323	\$199,138	\$199,813	\$194,186	\$200,775
Sponsors, Plasma Physics Lab*					
DOE	81,530	78,013	77,732	110,642	116,301
DoD-AF	0	0	0	80	67
NSF	0	0	41	337	249
Misc Govt - Bureau of Arms Ctrl	0	0	51	0	0
TOTAL GOVERNMENT	81,530	78,013	77,823	111,059	116,617
TOTAL INDUSTRIAL	131	238	594	518	636
TOTAL PRIVATE/OTHER	1,733	2,336	1,157	784	362
TOTAL, PPPL	83,394	80,588	79,575	112,360	117,615
GRAND TOTAL, CAMPUS & PPPL	\$275,717	\$279,725	\$279,388	\$306,546	\$318,391

*Amounts reported by PPPL are different due to their Fiscal Year.

SECTION I

TABLE 2

5 YEAR HISTORY BY PRIME SPONSOR*
SPONSORED PROJECT EXPENDITURES (\$1,000)

Sponsors, Campus					
	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>
NSF	51,989	59,424	55,462	53,196	57,197
NIH	47,027	44,762	44,593	42,428	45,895
DOD	29,366	30,825	31,888	30,779	26,103
DOE	19,378	18,274	17,486	16,454	14,029
NASA	5,952	6,989	7,652	7,751	6,960
DOC	4,851	4,465	4,352	5,490	8,601
NJ	742	561	525	408	584
Other (CIA, DOI, DOT, EPA, ED, FBI, Misc)	2,820	3,047	2,699	2,206	3,182
NEH and NEA	207	186	145	9	8
TOTAL GOVERNMENT	162,331	168,531	164,802	158,722	162,559
TOTAL FOUNDATION	12,010	13,834	18,411	20,794	22,456
TOTAL PRIVATE/OTHER	5,342	5,757	8,952	6,028	5,564
TOTAL INDUSTRIAL	12,639	11,016	7,649	8,642	10,197
TOTAL, CAMPUS	\$192,323	\$199,138	\$199,813	\$194,186	\$200,775
Sponsors, Plasma Physics Lab**					
DOE	81,573	78,030	77,941	110,768	116,301
DoD-AF	0	0	0	393	103
NSF	0	0	41	542	315
Misc Govt - Bureau of Arms Ctrl	0	0	51	0	0
TOTAL GOVERNMENT	81,573	78,030	78,032	111,703	116,719
TOTAL INDUSTRIAL	88	221	385	274	570
TOTAL PRIVATE/OTHER	1,733	2,336	1,157	383	326
TOTAL, PPPL	83,394	80,588	79,575	112,360	117,615
GRAND TOTAL, CAMPUS & PPPL	\$275,717	\$279,725	\$279,388	\$306,546	\$318,391

*Shows Government funded subawards from industry & private organizations categorized by their prime source of funds.

**Amounts reported by PPPL are different due to their Fiscal Year.

SECTION I

TABLE 3

5 YEAR HISTORY BY DIVISION

SPONSORED PROJECT EXPENDITURES (\$1,000)

<u>Breakdown by Division *</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>
Natural Sciences	79,112	85,236	87,401	87,131	126,924
Engineering & Applied Sciences	70,206	70,645	66,574	61,796	57,730
Humanities & Social Sciences	16,308	15,647	17,955	15,774	15,779
Centers, Institutes & Non-Dept'l	<u>26,697</u>	<u>27,609</u>	<u>27,884</u>	<u>29,485</u>	<u>342</u>
Sub-Total Campus	192,323	199,138	199,813	194,186	200,775
Plasma Physics Laboratory	<u>83,394</u>	<u>80,588</u>	<u>79,575</u>	<u>112,360</u>	<u>117,615</u>
GRAND TOTAL	275,717	279,725	279,388	306,546	318,391

NUMBER OF SPONSORED PROJECTS

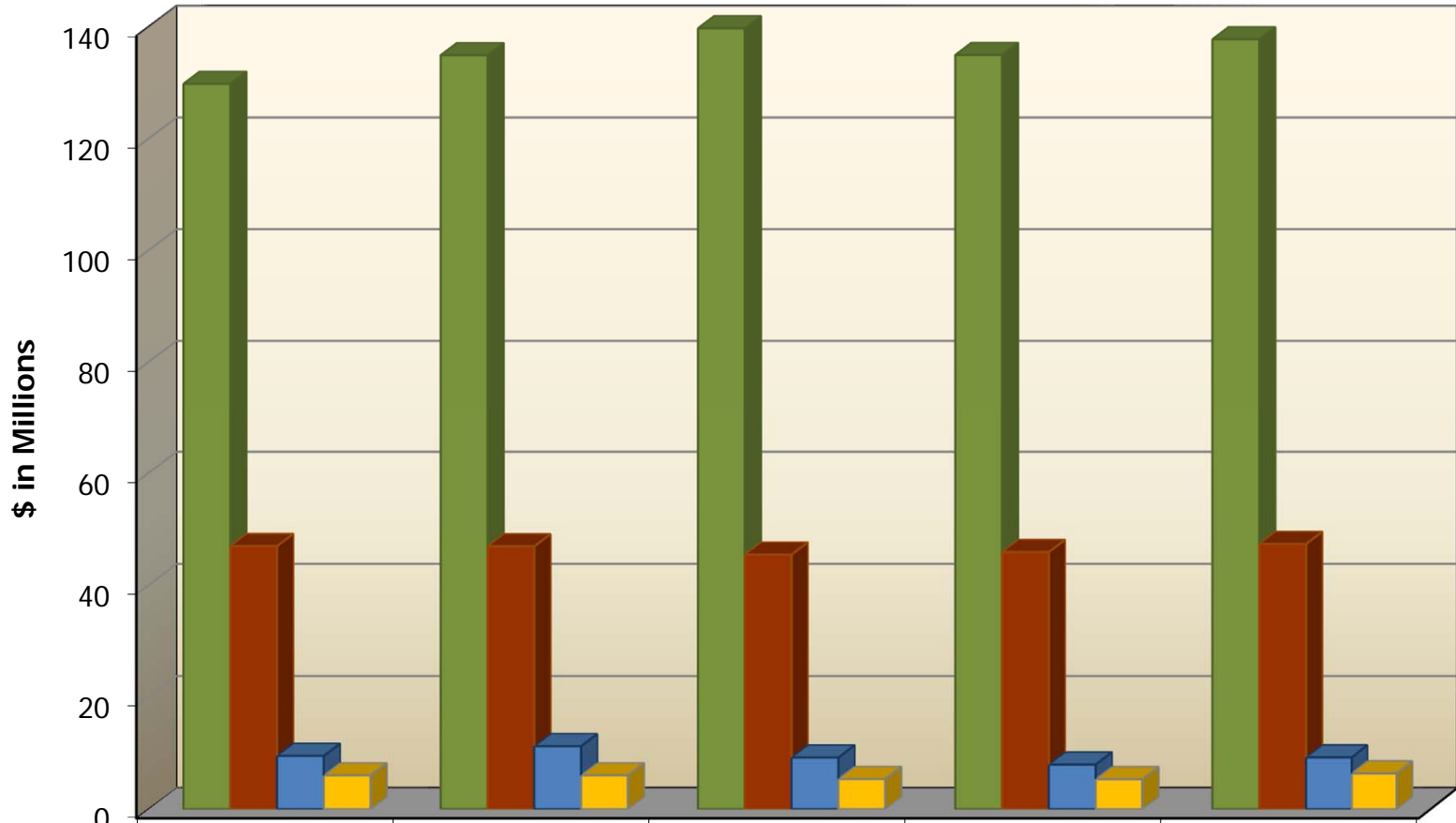
<u>Breakdown by Division*</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>
Natural Sciences	614	612	622	604	788
Engineering & Applied Sciences	459	467	454	460	486
Humanities & Social Sciences	157	146	139	137	142
Centers, Institutes & Non-Dept'l	<u>143</u>	<u>138</u>	<u>159</u>	<u>176</u>	<u>16</u>
Sub-Total Campus	1,373	1,363	1,374	1,377	1,432
Plasma Physics Laboratory	<u>18</u>	<u>18</u>	<u>17</u>	<u>20</u>	16
GRAND TOTAL	1,391	1,381	1,391	1,397	1,448

AVERAGE EXPENDITURES PER PROJECT (\$1,000)

<u>Breakdown by Division*</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>
Natural Sciences	129	139	141	144	161
Engineering & Applied Sciences	153	151	147	134	119
Humanities & Social Sciences	104	107	129	115	111
Centers, Institutes & Non-Dept'l	187	200	175	168	21
All	140	146	145	141	140

*Divisions in 2016 changed to Dean of Faculty definitions.

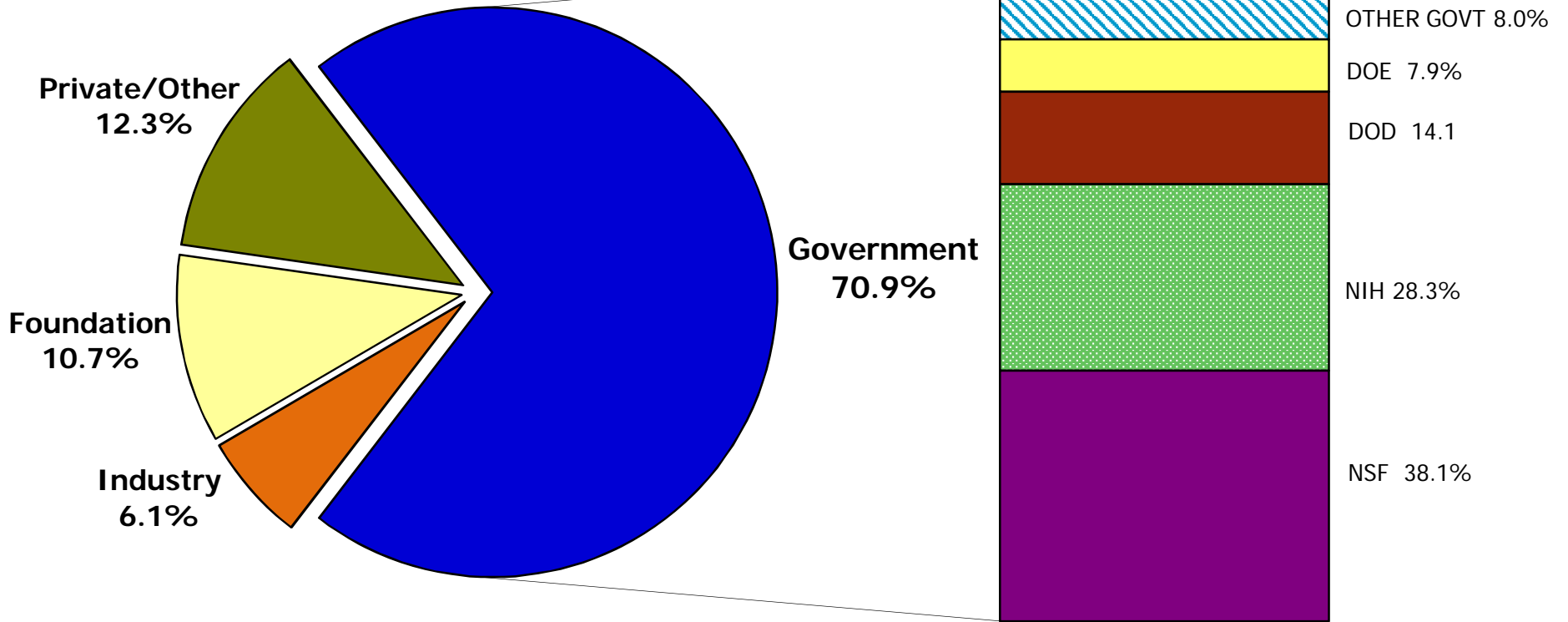
Chart 2
Breakdown of Expenditures
 (Excludes Plasma Physics Lab)



	2012	2013	2014	2015	2016
■ Operating Costs	129,813,873	134,935,709	139,759,708	134,967,536	137,796,889
■ Indirect Costs	46,955,313	46,915,613	45,437,603	45,887,586	47,334,327
■ Equipment/Facilities	9,519,815	11,245,661	9,226,709	7,969,349	9,254,144
■ Training Grants	6,034,096	6,040,709	5,389,415	5,361,360	6,390,044

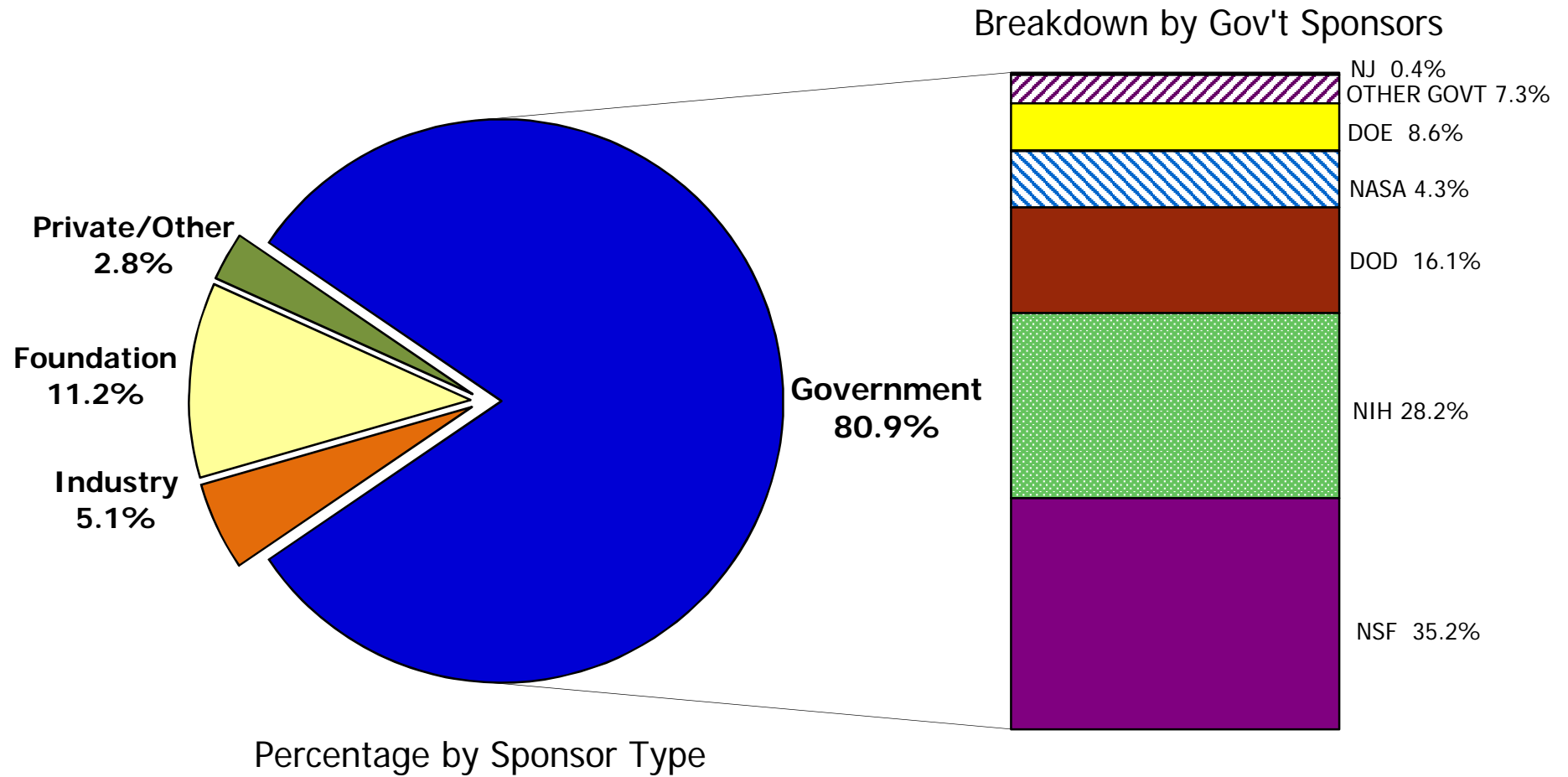
Chart 3-1
Funding % By Sponsor - FY 2015-2016
 (Excludes PPPL)

Breakdown by Gov't Sponsors



Percentage by Sponsor Type

Chart 3-2
Funding % By Prime* Sponsor - FY 2015-2016
 (Excludes PPPL)



*Shows Federally funded subawards from industry & private organizations categorized by their prime source of funds.

Chart 4-1
Comparison of Government Sponsored Expenditures
 5 Year History
 (Excludes Plasma Physics Lab)

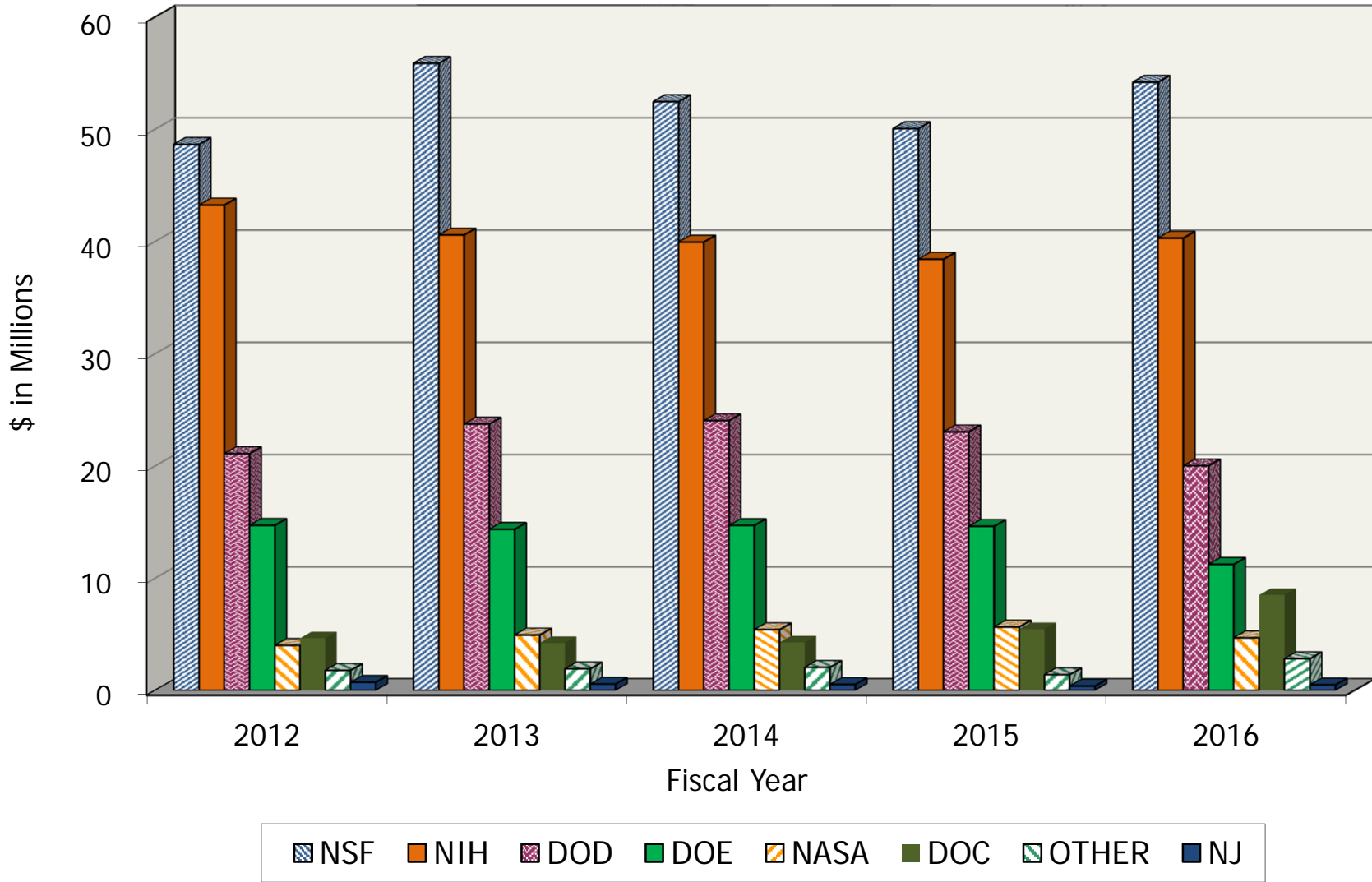


Chart 4-2
Comparison of Prime Government Sponsored Expenditures
 5 Year History
 (Excludes Plasma Physics Lab)

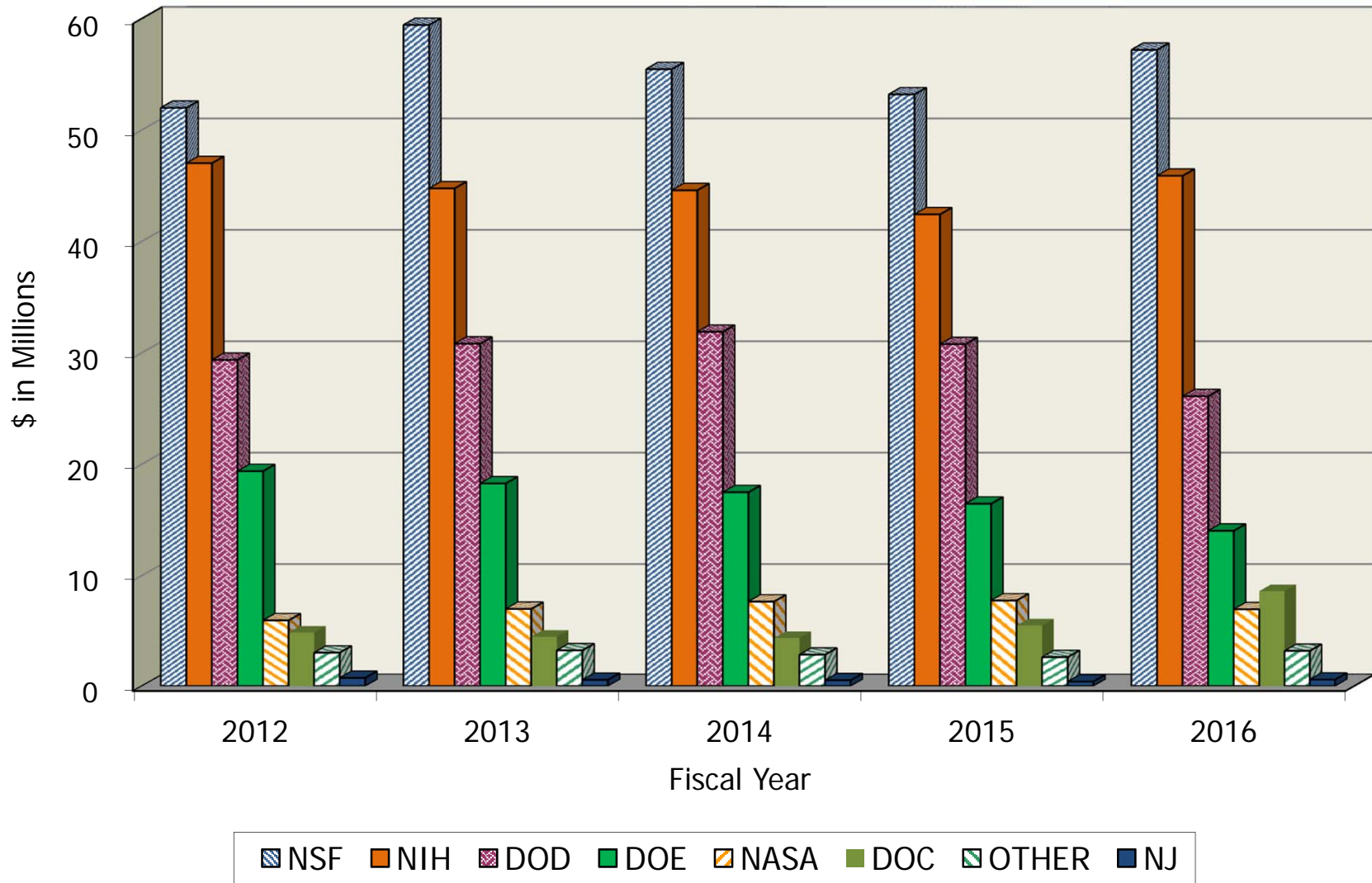


Chart 5-1
Comparison of Non-Government Sponsored Expenditures
 (Excludes Plasma Physics Lab)

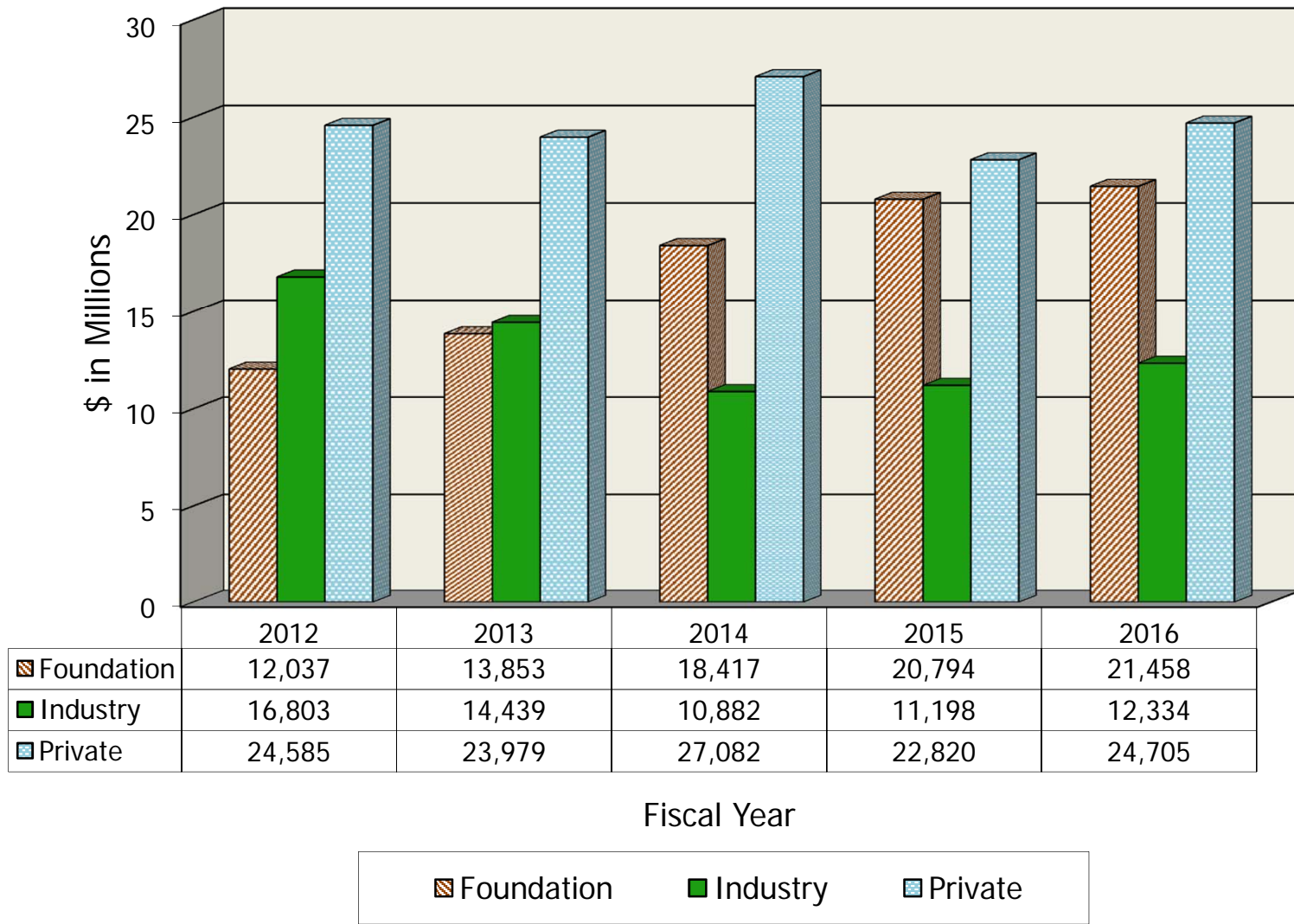


Chart 5-2

Comparison of Non-Government Sponsored Expenditures

(with Funds moved to Prime Sponsor)

(Excludes Plasma Physics Lab)

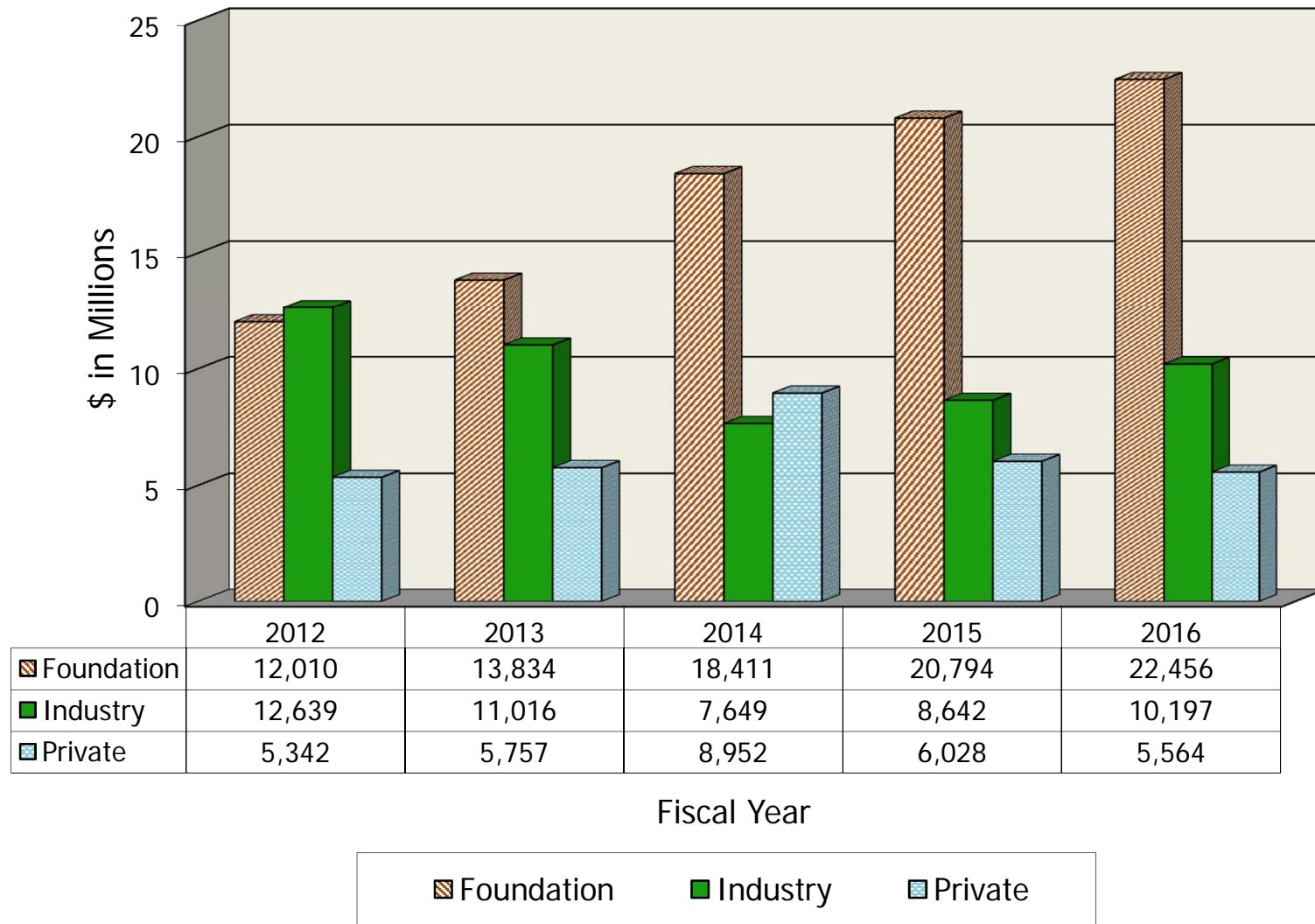
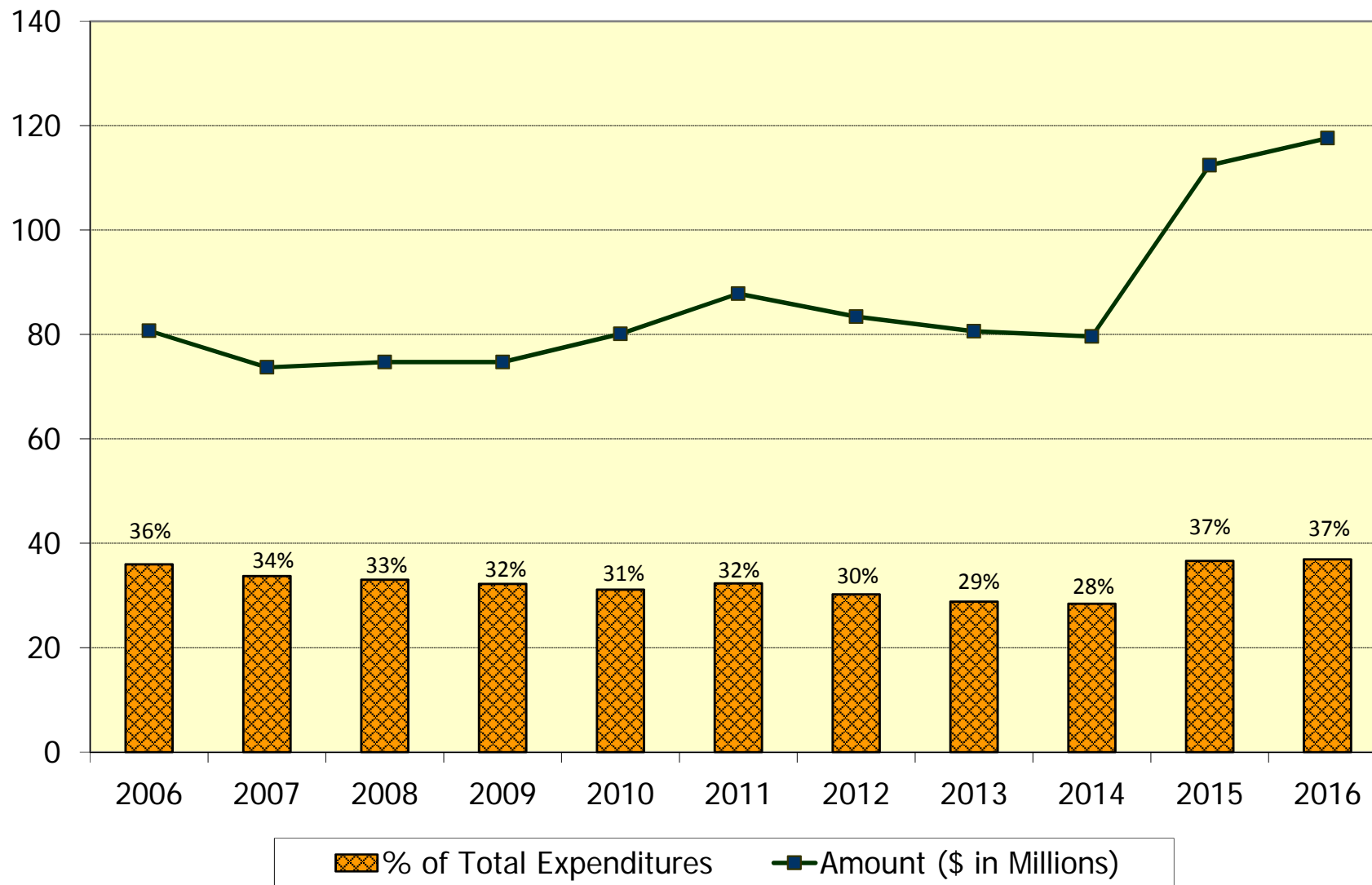


Chart 6

PLASMA PHYSICS LABORATORY Amount and Percentage of Total Expenditures



SECTION II

THIS SECTION PRESENTS THE SPONSORED PROJECT ACTIVITIES OF THE YEAR
SUMMARIZED IN STATISTICAL DATA, CHARTS AND TABLES AS COMPILED BY THE
OFFICE OF RESEARCH AND PROJECT AND ADMINISTRATION

SECTION II
TABLE 4

SUMMARY OF SPONSORED EXPENDITURES BY DEPARTMENT OR PROGRAM
July 1, 2015 - June 30, 2016

DEPARTMENT/PROGRAM	# of Awards*	Operating Expenses	Student Aid/ Training Grants	Equipment & Facilities	Indirect Costs	Total
NATURAL SCIENCES	788	\$86,023,634	\$5,102,403	\$6,693,249	\$29,104,444	\$126,923,730
Applied & Computational Math (PACM)	19	2,027,679	79,307	9,248	708,896	2,825,130
Astrophysical Sciences	87	5,137,849	305,223	789,523	2,722,569	8,955,163
Atmospheric & Oceanic Sciences	28	7,073,705	11,302	0	2,344,681	9,429,688
Center for Statistics and Machine Learning	1	40,193	0	0	24,920	65,113
Chemistry	97	9,754,633	470,208	452,964	3,265,178	13,942,982
Ecology & Evolutionary Biology	48	2,567,534	170,017	3,261	812,232	3,553,044
Geosciences	57	2,582,843	163,963	(7)	1,353,330	4,100,129
Lewis-Siegler Institute	65	6,639,074	863,662	197,064	2,760,147	10,459,947
Mathematics	52	2,790,528	213,380	54,700	1,219,658	4,278,267
Molecular Biology	134	11,417,018	1,915,332	271,575	5,312,980	18,916,904
Physics	77	19,516,097	202,420	4,597,064	3,271,109	27,586,690
Princeton Environmental Institute (PEI)	18	6,334,717	42,647	1,559	1,026,969	7,405,892
Princeton Inst for Comput'l Sci & Eng (PICSciE)	5	286,296	0	0	177,745	464,041
Princeton Neuroscience Institute (PNI)	84	8,884,440	664,627	281,421	3,819,175	13,649,663
Psychology	16	971,029	316	34,875	284,857	1,291,077
ENGINEERING & APPLIED SCIENCES	486	38,628,543	608,304	2,539,030	15,954,622	57,730,498
Andlinger Center	20	1,516,170	571	4,086	662,795	2,183,622
Chemical & Biological Engineering	70	4,593,135	96,786	458,967	2,126,419	7,275,308
Civil & Environmental Engineering	79	3,981,225	123,203	137,714	1,816,584	6,058,725
Computer Science	71	6,612,413	63,629	73,044	2,332,313	9,081,399
Electrical Engineering	81	5,602,716	17,742	192,031	2,381,791	8,194,279
Mechanical & Aerospace Engineering	78	5,971,497	127,078	441,584	2,714,155	9,254,314
Operations Research & Financial Engin.	29	1,976,522	27,479	55,456	927,761	2,987,218
PRISM	58	8,374,865	151,815	1,176,147	2,992,805	12,695,633
HUMANITIES & SOCIAL SCIENCES	142	12,861,926	679,337	21,868	2,216,072	15,779,203
Anthropology	2	11,308	0	0	2,940	14,248
Architecture	1	731,414	0	534	0	731,948
Center for Study of Religion	2	282,656	0	7,426	0	290,081

TABLE 4 (CONT.)

DEPARTMENT/PROGRAM	# of Awards*	Operating Expenses	Student Aid/ Training Grants	Equipment & Facilities	Indirect Costs	Total
Classics	1	49,500	0	0	0	49,500
Comparative Literature	1	9,694	0	0	0	9,694
East Asian Studies	1	225,318	0	0	0	225,318
East Asian Program	1	14,854	200	0	1,505	16,560
Economics	18	514,181	0	380	223,134	737,695
English	2	25,628	0	0	0	25,628
Gender and Sexuality Studies	1	38,566	0	0	5,785	44,351
History	6	136,165	43,364	0	0	179,529
Industrial Relations Section	0	210	0	0	0	210
Jefferson Papers	0	(0)	0	0	0	(0)
Peter B. Lewis Center - Arts	1	(48,310)	75,000	0	0	26,690
Near Eastern Studies	1	(20,427)	25,000	850	2,836	8,259
Near Eastern Studies Program	1	162,258	0	170	12,981	175,408
Philosophy	3	103,823	0	0	1,444	105,267
Politics	16	444,823	130,000	360	53,424	628,607
Princeton Inst. for Int'l & Regional Studies (PIIRS)	2	117,648	51,822	0	1,294	170,764
Sociology	9	274,489	0	0	26,336	300,826
Woodrow Wilson School	50	5,793,684	56,471	7,119	784,445	6,641,719
Population Research (WWS)	22	3,858,134	297,480	5,029	1,099,948	5,260,592
Survey Research Center (WWS)	1	136,309	0	0	0	136,309
NON-ACADEMIC DEPARTMENTS	16	\$282,787	\$0	(\$3)	\$59,189	\$341,973
Art Museum	5	90,648	0	0	15,919	106,567
Dean of the College (CBLI)	0	0	0	(3)	0	(3)
Dean of the College (McGraw Center)	1	(257,446)	0	0	0	(257,446)
Graduate School	1	3,476	0	0	0	3,476
Health Services	3	188,639	0	0	41,146	229,785
Library	2	159,498	0	0	(4,130)	155,368
Pace Center	0	(7)	0	0	0	(7)
Office of Religious Life	1	3,240	0	0	0	3,240
Teacher Preparation	3	94,738	0	0	6,254	100,992
SUBTOTAL MAIN CAMPUS	1,432	\$137,796,889	\$6,390,044	\$9,254,144	\$47,334,327	\$200,775,404
Plasma Physics Laboratory	16	\$114,337,285	\$2,370	\$2,438	\$3,273,192	\$117,615,285
GRAND TOTAL	1,448	\$252,134,175	\$6,392,414	\$9,256,582	\$50,607,519	\$318,390,689

* Counted as an Award if expenditures were \$1,000 or more. Contracts and/or agreements that are divided into several ORPA Projects are considered one Award.

SECTION II

TABLE 5

SUMMARY OF SPONSORED EXPENDITURES BY SPONSOR

July 1, 2015 - June 30, 2016

MAIN CAMPUS

GOVERNMENT AGENCY OR DEPARTMENT	# of Awards*	Operating Expenses	Student Aid/ Training Grants	Equipment & Facilities	Indirect Costs	Total
NSF	387	38,792,492	804,467	2,406,206	12,191,321	54,194,485
NIH	183	24,761,959	3,290,758	986,101	11,266,631	40,305,449
DOE	86	7,517,434	4,625	141,000	3,576,891	11,239,950
DOC (NOAA & NIST)	18	6,280,144	9,022	30,333	2,192,003	8,511,502
ARMY	32	4,763,340	(10,930)	681,345	1,991,936	7,425,692
AF	31	4,809,758	39,468	316,087	1,135,278	6,300,592
NAVY	28	3,550,987	3,732	95,929	1,434,809	5,085,457
NASA	48	2,776,540	281,110	672,525	959,814	4,689,989
MISC. GOVT.**	7	854,438	0	(120)	346,647	1,200,965
NI (CIA & IARPA)	2	530,998	0	53,118	306,215	890,331
DARPA	5	433,289	0	0	226,424	659,714
OTHER DOD (DTRA & NSA)	3	343,122	14,644	0	191,287	549,053
STATE OF NEW JERSEY	16	425,408	47,724	0	18,440	491,573
DOT	3	326,195	0	0	30,555	356,751
ED	1	162,258	0	170	12,981	175,408
EPA	3	62,961	12,000	(83)	25,628	100,507
DOI (USGS)	2	64,328	0	0	29,339	93,668
NEH	1	4,574	0	850	2,836	8,260
DHS	0	(249)	0	0	(152)	(401)
TOTAL GOVERNMENT	856	\$96,459,977	\$4,496,621	\$5,383,462	\$35,938,883	\$142,278,942
INDUSTRIAL	81	\$8,833,331	\$29,891	\$266,675	\$3,204,291	\$12,334,189
FOUNDATION	222	\$17,344,189	\$1,171,095	\$1,249,199	\$1,693,199	\$21,457,681
PRIVATE/OTHER	273	\$15,159,392	\$692,437	\$2,354,809	\$6,497,954	\$24,704,592
TOTAL MAIN CAMPUS	1,432	\$137,796,889	\$6,390,044	\$9,254,144	\$47,334,327	\$200,775,404

* Counted as an Award if expenditures were \$1,000 or more. Contracts/agreements that are divided into several Projects are considered one Award.

** Includes FBI, IMLS, NHPRC, State Dept, USDA, & USIP

TABLE 5 (CONT.)

SUMMARY OF SPONSORED EXPENDITURES BY SPONSOR

July 1, 2015 - June 30, 2016

PRINCETON PLASMA PHYSICS LABORATORY**

GOVERNMENT AGENCY OR DEPARTMENT	# of Awards*	Operating Expenses	Student Aid/ Training Grants	Equipment & Facilities	Indirect Costs	Total
DOE PRIME CONTRACT	1	113,644,588	2,370	2,438	2,651,749	116,301,145
AF	1	32,548	0	0	34,592	67,141
NSF	1	215,017	0	0	33,963	248,980
TOTAL GOVERNMENT	3	113,892,154	2,370	2,438	2,720,305	116,617,266
INDUSTRIAL	8	\$283,809	\$0	\$0	\$352,585	\$636,394
PRIVATE/OTHER	5	\$161,322	\$0	\$0	\$200,302	\$361,624
TOTAL PLASMA PHYSICS	16	\$114,337,285	\$2,370	\$2,438	\$3,273,192	\$117,615,285
TOTAL CAMPUS / PPPL	1,448	\$252,134,175	\$6,392,414	\$9,256,582	\$50,607,519	\$318,390,689

* Counted as an Award if expenditures were \$1,000 or more. Contracts/agreements that are divided into several Projects are considered one Award.

**Financial system counts PPPL funding as one award from DOE, since funding from sponsors are submitted directly to DOE.

Amounts reported by PPPL are different from this chart due to their Fiscal Year.

SECTION II

TABLE 6

SUMMARY OF SPONSORED EXPENDITURES BY PRIME* SPONSOR

July 1, 2015 - June 30, 2016

MAIN CAMPUS

GOVERNMENT AGENCY OR DEPARTMENT	# of Awards*	Operating Expenses	Student Aid/ Training Grants	Equipment & Facilities	Indirect Costs	Total
NSF	416	40,684,241	893,153	2,406,206	13,213,735	57,197,335
NIH	238	28,230,792	3,290,758	1,111,091	13,261,977	45,894,617
DOE	106	9,162,903	6,050	357,216	4,503,241	14,029,411
AF	43	6,588,534	40,008	328,363	1,996,580	8,953,486
DOC (NOAA & NIST)	22	6,350,278	9,022	30,364	2,211,153	8,600,816
ARMY	43	5,513,449	(10,930)	681,345	2,395,306	8,579,171
NASA	89	4,074,152	539,953	711,933	1,634,375	6,960,414
NAVY	32	4,045,617	3,732	101,075	1,722,053	5,872,477
DARPA	17	1,381,148	0	56,205	668,112	2,105,466
NI (CIA & IARPA)	4	651,103	0	68,118	372,065	1,091,285
MISC. GOVT.***	4	672,514	0	(120)	288,267	960,661
OTHER DOD (DTRA, DSCA, NSA)	5	369,688	14,644	0	207,758	592,090
STATE OF NEW JERSEY	18	511,198	47,724	0	24,695	583,617
DOT	5	364,316	0	0	51,043	415,358
USDA	3	178,430	0	0	56,248	234,678
ED	1	162,258	0	170	12,981	175,408
DOI (FWS & USGS)	3	74,739	0	0	29,339	104,078
EPA	3	62,961	12,000	(83)	25,628	100,507
DHS	1	61,479	0	0	38,120	99,599
NEH	1	4,574	0	850	2,836	8,260
TOTAL GOVERNMENT	1,054	\$109,144,373	\$4,846,115	\$5,852,735	\$42,715,510	\$162,558,733
INDUSTRIAL	62	\$7,502,887	\$29,891	\$221,955	\$2,441,947	\$10,196,680
FOUNDATION	235	\$18,248,481	\$1,171,095	\$1,249,199	\$1,786,734	\$22,455,509
PRIVATE/OTHER	81	\$2,901,148	\$342,943	\$1,930,256	\$390,136	\$5,564,483
TOTAL MAIN CAMPUS	1,432	\$137,796,889	\$6,390,044	\$9,254,144	\$47,334,327	\$200,775,404

* This table categorizes federally funded subawards from industry and private organizations by their prime source of funds.

** Counted as a project if expenditures were \$1,000 or more. Contracts/agreements that are divided into several ORPA Projects are considered one Award.

***Inc: FBI, IMLS, NARA, NHPRC, State Dept, and USIP

SUMMARY OF SPONSORED EXPENDITURES BY PRIME* SPONSOR

July 1, 2015 - June 30, 2016

PRINCETON PLASMA PHYSICS LABORATORY***

GOVERNMENT AGENCY OR DEPARTMENT	# of Awards*	Operating Expenses	Student Aid/ Training Grants	Equipment & Facilities	Indirect Costs	Total
DOE	1	113,644,588	2,370	2,438	2,651,749	116,301,145
AF	2	31,031	0	0	71,906	102,937
NSF	3	226,156	0	0	88,849	315,005
TOTAL GOVERNMENT	6	113,901,776	2,370	2,438	2,812,504	\$116,719,087
INDUSTRIAL	6	\$272,670	\$0	\$0	\$297,700	\$570,370
PRIVATE/OTHER	4	\$162,840	\$0	\$0	\$162,988	\$325,828
TOTAL PLASMA PHYSICS	16	\$114,337,285	\$2,370	\$2,438	\$3,273,192	\$117,615,285
TOTAL CAMPUS / PPPL	1,448	\$252,134,175	\$6,392,414	\$9,256,582	\$50,607,519	\$318,390,689

* This table categorizes federally funded subawards from industry and private organizations by their prime source of funds.

** Counted as a Award if expenditures were \$1,000 or more. Contracts/agreements that are divided into several ORPA Projects are considered one Award.

***Financial system counts PPPL funding as one award from DOE since funding from sponsors are submitted directly to DOE.

Amounts reported by PPPL are different from this chart due to their Fiscal Year.

SECTION II

TABLE 7-1 - Section 1

**MASTER SUMMARY OF SPONSORED RESEARCH - (Expenditures - \$ in Thousands)
BY DEPARTMENT AND SPONSOR (July 1, 2015 - June 30, 2016)**

DEPARTMENT / PROGRAM	No. of Awards	GRAND TOTAL EXPENDITURES	NIH		NSF		DOE		AIR FORCE	
NATURAL SCIENCES	788	126,924	150	32,089	192	35,684	47	6,022	6	1,409
Applied & Computational Math	19	2,825	1	362	7	471	1	46	2	409
Astrophysical Sciences	87	8,955			19	3,016	14	1,060	1	88
Atmospheric & Oceanic Sciences	28	9,430			8	643	4	353		
Center for Statistics and Machine Learning	1	65								
Chemistry	97	13,943	24	3,538	15	1,841	8	883		
Ecology & Evolutionary Biology	48	3,553	2	583	18	1,283				
Geosciences	57	4,100			28	2,386	4	173		
Lewis-Siegler Institute	65	10,460	29	5,958	5	924	2	381		
Mathematics	52	4,278			39	2,932			1	222
Molecular Biology	134	18,917	54	12,232	3	789				
Physics	77	27,587			32	16,078	12	2,941	2	690
Princeton Environmental Institute	18	7,406			5	4,255	1	85		
Princeton Inst for Computat'l Sci & Engin (PICSciE)	5	464			3	178	1	101		
Princeton Neuroscience Institute (PNI)	84	13,650	36	8,741	8	795				
Psychology	16	1,291	4	675	2	93				
ENGINEERING & APPLIED SCIENCES	486	57,730	17	3,397	172	17,735	39	5,218	24	4,719
Andlinger Ctr for Energy & Environment	20	2,184			4	149	6	1,332	1	25
Chemical & Biological Engineering	70	7,275	10	1,875	17	1,389	8	780	4	923
Civil & Environ. Engineering	79	6,059			19	1,502	4	568		
Computer Science	71	9,081	1	247	46	5,273			2	1,916
Electrical Engineering	81	8,194			39	2,773	5	594	7	637
Mechanical & Aerospace Engineering	78	9,254			15	816	8	487	5	600
Oper. Res. & Financial Engineering	29	2,987	3	1,034	16	822			3	341
PRISM	58	12,696	3	241	16	5,012	8	1,456	2	278
HUMANITIES & SOCIAL SCIENCES	142	15,779	16	4,819	23	775	0	0	1	172
Anthropology	2	14			2	14				
Architecture School	1	732								
Center for the Study of Religion	2	290								
Classics	1	50								
Comparative Literature	1	10								
East Asian Studies	1	225								
East Asian Studies Program	1	17								
Economics	18	738			12	575				
English	2	26								
Gender and Sexuality Studies	1	44								
History	6	180								
Peter B. Lewis Center - Arts	1	27								
Near Eastern Studies	1	8								
Near Eastern Studies Program	1	175								
Philosophy	3	105								
Politics	16	629			5	130				
Princeton Inst. for Int'l. & Reg'l Studies (PIIRS)	2	171								
Sociology	9	301			3	46				
Woodrow Wilson School	50	6,642	1	57					1	172
Population Research (WWS)	22	5,261	15	4,762	1	10				
Survey Research Center (WWS)	1	136								
NON-ACADEMIC DEPARTMENTS	16	342	0	0	0	0	0	0	0	0
Art Museum	5	107								
Dean of the College (CBLI/McGraw Ctr)	1	(257)								
Graduate School	1	3								
Health Services	3	230								
Library	2	155								
Office of Religious Life	1	3								
Pace Center	0	(0)								
Teacher Preparation	3	101								
TOTAL, MAIN CAMPUS	1432	200,775	183	40,305	387	54,194	86	11,240	31	6,301
Plasma Physics Laboratory	16	117,615			1	249	1	116,301	1	67
GRAND TOTAL	1448	318,391	183	40,305	388	54,443	87	127,541	32	6,368

NOTES:

1. Figures are rounded out to nearest dollar
2. Awards less than \$1,000 not counted
3. Figures in () represent negative quantities, usually the result of adjustments to closed accounts.
4. Other Govt includes CIA, DHS, DOI, DOJ, DOT, FAA, FBI, IARPA, NARA, NHPRC, State Dept, USDA, & USIP

SECTION II

TABLE 7-1 - Section 2

**MASTER SUMMARY OF SPONSORED RESEARCH - (Expenditures - \$ in Thousands)
BY DEPARTMENT AND SPONSOR (July 1, 2015 - June 30, 2016)**

DEPARTMENT / PROGRAM	NAVY		NASA		ARMY		STATE OF NJ		DOC		DARPA	
NATURAL SCIENCES	8	1,245	28	3,320	14	4,054	14	453	7	7,560	0	0
Applied & Computational Math	2	408										
Astrophysical Sciences			15	1,012								
Atmospheric & Oceanic Sciences	1	99	3	473					6	7,465		
Center for Statistics and Machine Learning												
Chemistry	1	(31)			5	1,578	1	2				
Ecology & Evolutionary Biology					1	131						
Geosciences			4	304					1	95		
Lewis-Siegler Institute	1	227					3	131				
Mathematics												
Molecular Biology					1	592	8	285				
Physics	2	285	5	1,474	4	1,605						
Princeton Environmental Institute			1	56	1	2						
Princeton Inst for Computat'l Sci & Engin (PICSciE)												
Princeton Neuroscience Institute (PNI)	1	257			2	147	2	35				
Psychology												
ENGINEERING & APPLIED SCIENCES	19	3,596	20	1,370	18	3,372	1	9	11	951	5	660
Andlinger Ctr for Energy & Environment	2	112		(0)								
Chemical & Biological Engineering	1	19			1	130	1	9	2	9		
Civil & Environ. Engineering			12	549	2	35			9	942		
Computer Science	1	65									2	401
Electrical Engineering	3	464			3	299					1	37
Mechanical & Aerospace Engineering	9	2,065	8	822	5	765						
Oper. Res. & Financial Engineering	1	141			1	170						
PRISM	2	730			6	1,974					2	221
HUMANITIES & SOCIAL SCIENCES	1	245	0	0	0	0	0	0	0	0	0	0
Anthropology												
Architecture School												
Center for the Study of Religion												
Classics												
Comparative Literature												
East Asian Studies												
East Asian Studies Program												
Economics												
English												
Gender and Sexuality Studies												
History												
Peter B. Lewis Center - Arts												
Near Eastern Studies												
Near Eastern Studies Program												
Philosophy												
Politics												
Princeton Inst. for Int'l. & Reg'l Studies (PIIRS)												
Sociology												
Woodrow Wilson School	1	245										
Population Research (WWS)												
Survey Research Center (WWS)												
NON-ACADEMIC DEPARTMENTS	0	0	0	0	0	0	1	30	0	0	0	0
Art Museum							1	30				
Dean of the College (CBLI/McGraw Ctr)												
Graduate School												
Health Services												
Library												
Office of Religious Life												
Pace Center												
Teacher Preparation												
TOTAL, MAIN CAMPUS	28	5,085	48	4,690	32	7,426	16	492	18	8,512	5	660
Plasma Physics Laboratory												
GRAND TOTAL	28	5,085	48	4,690	32	7,426	16	492	18	8,512	5	660

NOTES:

- Figures are rounded out to nearest dollar
- Awards less than \$1,000 not counted
- Figures in () represent negative quantities, usually the result of adjustments to closed accounts.
- Other Govt includes CIA, DHS, DOI, DOJ, DOT, FAA, FBI, IARPA, NARA, NHPRC, State Dept, USDA, & USIP

SECTION II

TABLE 7-1 - Section 3

**MASTER SUMMARY OF SPONSORED RESEARCH - (Expenditures - \$ in Thousands)
BY DEPARTMENT AND SPONSOR (July 1, 2015 - June 30, 2016)**

DEPARTMENT / PROGRAM	DTRA/ DSCA/NSA		NEH		ED		EPA		OTHER GOVT		GOVERNMENT	
NATURAL SCIENCES	2	534	0	0	0	0	0	0	5	1,172	473	93,543
Applied & Computational Math											13	1,695
Astrophysical Sciences	1	302									50	5,477
Atmospheric & Oceanic Sciences											22	9,033
Center for Statistics and Machine Learning											0	0
Chemistry											54	7,812
Ecology & Evolutionary Biology											21	1,998
Geosciences	1	233							2	94	40	3,285
Lewis-Siegler Institute											40	7,620
Mathematics											40	3,154
Molecular Biology											66	13,898
Physics											57	23,073
Princeton Environmental Institute									2	240	10	4,638
Princeton Inst for Computat'l Sci & Engin (PICSciE)											4	279
Princeton Neuroscience Institute (PNI)									1	839	50	10,812
Psychology											6	768
ENGINEERING & APPLIED SCIENCES	1	15	0	0	0	0	3	101	6	1,145	336	42,287
Andlinger Ctr for Energy & Environment											13	1,618
Chemical & Biological Engineering											44	5,134
Civil & Environ. Engineering							2	25	1	247	49	3,867
Computer Science											52	7,902
Electrical Engineering							1	75			59	4,879
Mechanical & Aerospace Engineering									3	145	53	5,699
Oper. Res. & Financial Engineering	1	15									25	2,522
PRISM									2	754	41	10,664
HUMANITIES & SOCIAL SCIENCES	0	0	1	8	1	175	0	0	1	69	44	6,264
Anthropology											2	14
Architecture School											0	0
Center for the Study of Religion											0	0
Classics											0	0
Comparative Literature											0	0
East Asian Studies											0	0
East Asian Studies Program											0	0
Economics											12	575
English											0	0
Gender and Sexuality Studies											0	0
History											0	0
Peter B. Lewis Center - Arts											0	0
Near Eastern Studies			1	8							1	8
Near Eastern Studies Program					1	175					1	175
Philosophy											0	0
Politics										(1)	5	129
Princeton Inst. for Int'l. & Reg'l Studies (PIIRS)											0	0
Sociology											3	46
Woodrow Wilson School									1	69	4	544
Population Research (WWS)											16	4,772
Survey Research Center (WWS)											0	0
NON-ACADEMIC DEPARTMENTS	0	0	0	0	0	0	0	0	2	155	3	185
Art Museum									1	61	2	91
Dean of the College (CBLI/McGraw Ctr)											0	0
Graduate School											0	0
Health Services											0	0
Library				0					1	94	1	94
Office of Religious Life											0	0
Pace Center											0	0
Teacher Preparation											0	0
TOTAL, MAIN CAMPUS	3	549	1	8	1	175	3	101	14	2,541	856	142,279
Plasma Physics Laboratory											3	116,617
GRAND TOTAL	3	549	1	8	1	175	3	101	14	2,541	859	258,896

NOTES:

- Figures are rounded out to nearest dollar
- Awards less than \$1,000 not counted
- Figures in () represent negative quantities, usually the result of adjustments to closed accounts.
- Other Govt includes CIA, DHS, DOI, DOJ, DOT, FAA, FBI, IARPA, NARA, NHPRC, State Dept, USDA, & USIP

SECTION II

TABLE 7-1 - Section 4

**MASTER SUMMARY OF SPONSORED RESEARCH - (Expenditures - \$ in Thousands)
BY DEPARTMENT AND SPONSOR (July 1, 2015 - June 30, 2016)**

DEPARTMENT / PROGRAM	FOUNDATIONS		INDUSTRY		PRIVATE/ OTHER	
	116	11,142	38	7,366	161	14,873
NATURAL SCIENCES						
Applied & Computational Math	3	564			3	566
Astrophysical Sciences	2	261	2	125	33	3,092
Atmospheric & Oceanic Sciences					6	397
Center for Statistics and Machine Learning			1	65		
Chemistry	14	1,366	17	2,993	12	1,771
Ecology & Evolutionary Biology	10	365			17	1,191
Geosciences	3	138	3	223	11	454
Lewis-Siegler Institute	8	838			17	2,002
Mathematics	10	996			2	128
Molecular Biology	26	1,805	6	813	36	2,401
Physics	12	2,468	4	355	4	1,691
Princeton Environmental Institute	3	556	2	1,986	3	225
Princeton Inst for Computat'l Sci & Engin (PICSciE)					1	185
Princeton Neuroscience Institute (PNI)	20	1,393	3	805	11	639
Psychology	5	393			5	130
ENGINEERING & APPLIED SCIENCES	30	2,356	43	4,968	77	8,120
Andlinger Ctr for Energy & Environment	3	164	1	76	3	326
Chemical & Biological Engineering	9	285	8	811	9	1,046
Civil & Environ. Engineering	1	1	7	1,136	22	1,055
Computer Science	8	387	2	23	9	769
Electrical Engineering	5	451	7	511	10	2,353
Mechanical & Aerospace Engineering	1	17	8	1,339	16	2,199
Oper. Res. & Financial Engineering			2	411	2	55
PRISM	3	1,052	8	661	6	318
HUMANITIES & SOCIAL SCIENCES	71	8,022	0	0	27	1,493
Anthropology						
Architecture School	1	732				
Center for the Study of Religion	2	290				
Classics	1	50				
Comparative Literature	1	10				
East Asian Studies	1	225				
East Asian Studies Program	1	17				
Economics	3	89			3	73
English	2	26				
Gender and Sexuality Studies	1	44				
History	5	121			1	58
Peter B. Lewis Center - Arts	1	27				
Near Eastern Studies						
Near Eastern Studies Program						
Philosophy		83			3	22
Politics	9	479			2	20
Princeton Inst. for Int'l. & Reg'l Studies (PIIRS)	2	171				
Sociology	4	197			2	58
Woodrow Wilson School	33	4,887			13	1,211
Population Research (WWS)	3	439			3	50
Survey Research Center (WWS)	1	136				
NON-ACADEMIC DEPARTMENTS	5	21	0	0	8	136
Art Museum	3	15				
Dean of the College (CBLI/McGraw Ctr)		(0)			1	(257)
Graduate School	1	3				
Health Services	1	2			2	227
Library					1	62
Office of Religious Life					1	3
Pace Center						(0)
Teacher Preparation					3	101
TOTAL, MAIN CAMPUS	222	21,541	81	12,334	273	24,621
Plasma Physics Laboratory			8	636	5	362
GRAND TOTAL	222	21,541	89	12,971	278	24,983

NOTES:

1. Figures are rounded out to nearest dollar
2. Awards less than \$1,000 not counted
3. Figures in () represent negative quantities, usually the result of adjustments to closed accounts.
4. Other Govt includes CIA, DHS, DOI, DOJ, DOT, FAA, FBI, IARPA, NARA, NHPRC, State Dept, USDA, & USIP

SECTION II

TABLE 7-2 - Section 1

MASTER SUMMARY OF SPONSORED RESEARCH - BY PRIME SPONSOR (Expenditures - \$ in Thousands)
BY DEPARTMENT AND PRIME SPONSOR (July 1, 2015 - June 30, 2016)

DEPARTMENT / PROGRAM	No. of Awards	GRAND TOTAL EXPENDITURES	NIH		NSF		DOE		AIR FORCE	
NATURAL SCIENCES	788	126,924	193	36,898	211	37,732	56	6,713	11	2,571
Applied & Computational Math	19	2,825	2	531	7	471	2	62	3	789
Astrophysical Sciences	87	8,955			21	4,113	18	1,380	1	88
Atmospheric & Oceanic Sciences	28	9,430			9	653	5	363		
Center for Statistics and Machine Learning	1	65								
Chemistry	97	13,943	26	4,051	16	1,969	10	1,139	4	782
Ecology & Evolutionary Biology	48	3,553	7	812	19	1,306				
Geosciences	57	4,100			35	2,571	4	173		(0)
Lewis-Siegler Institute	65	10,460	37	7,691	7	1,046	2	381		
Mathematics	52	4,278			40	3,056			1	222
Molecular Biology	134	18,917	75	14,072	3	789				
Physics	77	27,587	1	15	33	16,095	12	2,941	2	690
Princeton Environmental Institute	18	7,406			6	4,368	2	173		
Princeton Inst for Computat'l Sci &Engin (PICSciE)	5	464			4	363	1	101		
Princeton Neuroscience Institute (PNI)	84	13,650	39	8,963	9	841				
Psychology	16	1,291	6	764	2	93				
ENGINEERING & APPLIED SCIENCES	486	57,730	26	4,021	182	18,690	50	7,316	31	6,210
Andlinger Ctr for Energy & Environment	20	2,184			4	149	6	1,332	2	170
Chemical & Biological Engineering	70	7,275	13	2,068	19	1,542	8	780	5	1,456
Civil & Environ. Engineering	79	6,059			19	1,501	10	1,662		
Computer Science	71	9,081	4	463	49	5,533			2	1,916
Electrical Engineering	81	8,194			41	3,212	6	708	8	765
Mechanical & Aerospace Engineering	78	9,254			15	816	11	1,277	8	1,111
Oper. Res. & Financial Engineering	29	2,987	4	1,060	16	822			3	341
PRISM	58	12,696	5	430	19	5,115	9	1,557	3	452
HUMANITIES & SOCIAL SCIENCES	142	15,779	19	4,976	23	775	0	0	1	172
Anthropology	2	14			2	14				
Architecture School	1	732								
Center for the Study of Religion	2	290								
Classics	1	50								
Comparative Literature	1	10								
East Asian Studies	1	225								
East Asian Studies Program	1	17								
Economics	18	738			12	575				
English	2	26								
Gender and Sexuality Studies	1	44								
History	6	180								
Peter B. Lewis Center - Arts	1	27								
Near Eastern Studies	1	8								
Near Eastern Studies Program	1	175								
Philosophy	3	105								
Politics	16	629			5	130				
Princeton Inst. for Int'l. & Reg'l Studies (PIIRS)	2	171								
Sociology	9	301			3	46				
Woodrow Wilson School	50	6,642	3	177					1	172
Population Research (WWS)	22	5,261	16	4,798	1	10				
Survey Research Center (WWS)	1	136								
NON-ACADEMIC	16	342	0	0	0	0	0	0	0	0
Art Museum	5	107								
Dean of the College (CBLI/McGraw Ctr)	1	(257)								
Graduate School	1	3								
Health Services	3	230								
Library	2	155								
Office of Religious Life	1	3								
Pace Center	0	(0)								
Teacher Preparation	3	101								
TOTAL, MAIN CAMPUS	1432	200,775	238	45,895	416	57,197	106	14,029	43	8,953
Plasma Physics Laboratory	16	117,615			3	315	1	116,301	2	103
GRAND TOTAL	1448	318,391	238	45,895	419	57,512	107	130,331	45	9,056

NOTES:

1. Figures are rounded out to nearest dollar
2. Awards less than \$1,000 not counted
3. Figures in () represent negative quantities, usually the result of adjustments to closed accounts.
4. Other Govt includes CIA, DHS, DOI, DOJ, DOT, FAA, FBI, IARPA, NARA, NHPRC, State Dept, USDA, & USIP

SECTION II

TABLE 7-2 - Section 2

MASTER SUMMARY OF SPONSORED RESEARCH - BY PRIME SPONSOR (Expenditures - \$ in Thousands)
BY DEPARTMENT AND PRIME SPONSOR (July 1, 2015 - June 30, 2016)

DEPARTMENT / PROGRAM	NAVY		NASA		ARMY		STATE OF NJ		DOC		DARPA	
NATURAL SCIENCES	10	1,401	55	4,703	18	4,393	14	453	11	7,650	2	144
Applied & Computational Math	2	408										
Astrophysical Sciences			40	2,267								
Atmospheric & Oceanic Sciences	1	99	4	510					8	7,505		
Center for Statistics and Machine Learning												
Chemistry	1	(31)			6	1,656	1	2				
Ecology & Evolutionary Biology					1	131			1	28		
Geosciences			5	394	1	163			2	116		
Lewis-Siegler Institute	1	227					3	131			1	(8)
Mathematics												
Molecular Biology					2	638	8	285				
Physics	3	441	5	1,475	4	1,605					1	152
Princeton Environmental Institute			1	56	2	25						
Princeton Inst for Computat'l Sci &Engin (PICSciE)												
Princeton Neuroscience Institute (PNI)	2	257			2	175	2	35				
Psychology												
ENGINEERING & APPLIED SCIENCES	20	4,060	34	2,258	24	4,085	1	9	11	951	15	1,962
Andlinger Ctr for Energy & Environment	2	112		(0)								
Chemical & Biological Engineering	1	19			1	130	1	9	2	9		
Civil & Environ. Engineering			19	920	3	81			9	942		
Computer Science	1	65									5	552
Electrical Engineering	3	464			5	734					6	1,127
Mechanical & Aerospace Engineering	10	2,530	14	1,323	7	897						
Oper. Res. & Financial Engineering	1	141			1	170						
PRISM	2	730	1	15	7	2,073					4	283
HUMANITIES & SOCIAL SCIENCES	2	411	0	0	0	0	0	0	0	0	0	0
Anthropology												
Architecture School												
Center for the Study of Religion												
Classics												
Comparative Literature												
East Asian Studies												
East Asian Studies Program												
Economics												
English												
Gender and Sexuality Studies												
History												
Peter B. Lewis Center - Arts												
Near Eastern Studies												
Near Eastern Studies Program												
Philosophy												
Politics												
Princeton Inst. for Int'l. & Reg'l Studies (PIIRS)												
Sociology				0								
Woodrow Wilson School	2	411										
Population Research (WWS)												
Survey Research Center (WWS)												
NON-ACADEMIC	0	0	0	0	1	101	3	122	0	0	0	0
Art Museum							1	30				
Dean of the College (CBLI/McGraw Ctr)												
Graduate School												
Health Services					1	101						
Library												
Office of Religious Life												
Pace Center												
Teacher Preparation							2	92				
TOTAL, MAIN CAMPUS	32	5,872	89	6,960	43	8,579	18	584	22	8,601	17	2,105
Plasma Physics Laboratory												
GRAND TOTAL	32	5,872	89	6,960	43	8,579	18	584	22	8,601	17	2,105

NOTES:

- Figures are rounded out to nearest dollar
- Awards less than \$1,000 not counted
- Figures in () represent negative quantities, usually the result of adjustments to closed accounts.
- Other Govt includes CIA, DHS, DOI, DOJ, DOT, FAA, FBI, IARPA, NARA, NHPRC, State Dept, USDA, & USIP

SECTION II

TABLE 7-2 - Section 3

MASTER SUMMARY OF SPONSORED RESEARCH - BY PRIME SPONSOR (Expenditures - \$ in Thousands)
BY DEPARTMENT AND PRIME SPONSOR (July 1, 2015 - June 30, 2016)

DEPARTMENT / PROGRAM	DTRA/ DSCA/NSA		NEH		ED		EPA		OTHER GOVT		GOVERNMENT	
NATURAL SCIENCES	3	577	0	0	0	0	0	0	8	1,304	592	104,539
Applied & Computational Math											16	2,261
Astrophysical Sciences	1	302									81	8,150
Atmospheric & Oceanic Sciences											27	9,129
Center for Statistics and Machine Learning											0	0
Chemistry											64	9,567
Ecology & Evolutionary Biology									1	10	29	2,287
Geosciences	1	233							3	88	51	3,739
Lewis-Siegler Institute											51	9,468
Mathematics											41	3,278
Molecular Biology											88	15,784
Physics	1	43									62	23,457
Princeton Environmental Institute									2	240	13	4,863
Princeton Inst for Computat'l Sci &Engin (PICSciE)											5	464
Princeton Neuroscience Institute (PNI)									2	966	56	11,236
Psychology											8	858
ENGINEERING & APPLIED SCIENCES	1	15	0	0	0	0	3	101	10	1,378	408	51,054
Andlinger Ctr for Energy & Environment											14	1,764
Chemical & Biological Engineering											50	6,014
Civil & Environ. Engineering							2	25	3	305	65	5,436
Computer Science											61	8,529
Electrical Engineering							1	75			70	7,085
Mechanical & Aerospace Engineering									4	245	69	8,198
Oper. Res. & Financial Engineering	1	15									26	2,547
PRISM									3	828	53	11,483
HUMANITIES & SOCIAL SCIENCES	0	0	1	8	1	175	0	0	1	69	48	6,587
Anthropology											2	14
Architecture School											0	0
Center for the Study of Religion											0	0
Classics											0	0
Comparative Literature											0	0
East Asian Studies											0	0
East Asian Studies Program											0	0
Economics											12	575
English											0	0
Gender and Sexuality Studies											0	0
History											0	0
Peter B. Lewis Center - Arts											0	0
Near Eastern Studies			1	8							1	8
Near Eastern Studies Program					1	175					1	175
Philosophy											0	0
Politics										(1)	5	129
Princeton Inst. for Int'l. & Reg'l Studies (PIIRS)											0	0
Sociology											3	46
Woodrow Wilson School									1	69	7	830
Population Research (WWS)											17	4,808
Survey Research Center (WWS)											0	0
NON-ACADEMIC	0	0	0	0	0	0	0	0	2	155	6	379
Art Museum									1	61	2	91
Dean of the College (CBLI/McGraw Ctr)											0	0
Graduate School											0	0
Health Services											1	101
Library				0					1	94	1	94
Office of Religious Life											0	0
Pace Center											0	0
Teacher Preparation											2	92
TOTAL, MAIN CAMPUS	4	592	1	8	1	175	3	101	21	2,906	1054	162,559
Plasma Physics Laboratory											6	116,719
GRAND TOTAL	4	592	1	8	1	175	3	101	21	2,906	1060	279,278

NOTES:

- Figures are rounded out to nearest dollar
- Awards less than \$1,000 not counted
- Figures in () represent negative quantities, usually the result of adjustments to closed accounts.
- Other Govt includes CIA, DHS, DOI, DOJ, DOT, FAA, FBI, IARPA, NARA, NHPRC, State Dept, USDA, & USIP

SECTION II

TABLE 7-2 - Section 4

MASTER SUMMARY OF SPONSORED RESEARCH - BY PRIME SPONSOR (Expenditures - \$ in Thousands)
BY DEPARTMENT AND PRIME SPONSOR (July 1, 2015 - June 30, 2016)

DEPARTMENT / PROGRAM	FOUNDATIONS		INDUSTRY		PRIVATE/ OTHER	
	123	11,973	34	6,854	39	3,557
NATURAL SCIENCES						
Applied & Computational Math	3	564				
Astrophysical Sciences	2	261	1	48	3	496
Atmospheric & Oceanic Sciences	1	300				
Center for Statistics and Machine Learning			1	65		
Chemistry	14	1,366	17	2,993	2	17
Ecology & Evolutionary Biology	11	631			8	635
Geosciences	3	138	3	223		
Lewis-Siegler Institute	10	832			4	160
Mathematics	10	996			1	5
Molecular Biology	27	1,889	6	813	13	431
Physics	12	2,468	2	47	1	1,616
Princeton Environmental Institute	3	556	2	1,986		
Princeton Inst for Computat'l Sci &Engin (PICSciE)						
Princeton Neuroscience Institute (PNI)	21	1,543	2	678	5	193
Psychology	6	429			2	5
ENGINEERING & APPLIED SCIENCES	31	2,373	28	3,342	19	961
Andlinger Ctr for Energy & Environment	3	164	2	79	1	177
Chemical & Biological Engineering	9	285	8	811	3	166
Civil & Environ. Engineering	2	18	4	342	8	263
Computer Science	8	387	1	(15)	1	181
Electrical Engineering	5	451	5	657	1	2
Mechanical & Aerospace Engineering	1	17	4	896	4	142
Oper. Res. & Financial Engineering			2	411	1	30
PRISM	3	1,052	2	161		
HUMANITIES & SOCIAL SCIENCES	76	8,089	0	0	18	1,104
Anthropology						
Architecture School	1	732				
Center for the Study of Religion	2	290				
Classics	1	50				
Comparative Literature	1	10				
East Asian Studies	1	225				
East Asian Studies Program	1	17				
Economics	5	118			1	44
English	2	26				
Gender and Sexuality Studies	1	44				
History	5	121			1	58
Peter B. Lewis Center - Arts	1	27				
Near Eastern Studies						
Near Eastern Studies Program						
Philosophy	2	83			1	22
Politics	9	479			2	20
Princeton Inst. for Int'l. & Reg'l Studies (PIIRS)	2	171				
Sociology	5	235			1	19
Woodrow Wilson School	33	4,887			10	925
Population Research (WWS)	3	439			2	14
Survey Research Center (WWS)	1	136				
NON-ACADEMIC	5	21	0	0	5	(58)
Art Museum	3	15				
Dean of the College (CBLI/McGraw Ctr)		(0)			1	(257)
Graduate School	1	3				
Health Services	1	2			1	126
Library					1	62
Office of Religious Life					1	3
Pace Center						(0)
Teacher Preparation					1	9
TOTAL, MAIN CAMPUS	235	22,456	62	10,197	81	5,564
Plasma Physics Laboratory			6	570	4	326
GRAND TOTAL	235	22,456	68	10,767	85	5,890

NOTES:

1. Figures are rounded out to nearest dollar
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3. Figures in () represent negative quantities, usually the result of adjustments to closed accounts.
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SECTION III

This Section lists sponsored awards by department/program which were active during the period of July 1, 2015 to June 30, 2016.

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ACTIVE SPONSORED AWARDS

7/1/2015 - 6/30/2016

<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Rand, Barry P.	AWD1004099	Grant	Exploring the Impact of the Local Environment on Charge Transfer States at Molecular Donor-Acceptor Heterojunctions	DOE - Washington	8/15/2014	8/14/2017	\$580,002
Steingart, Daniel Artemus	AWD1004104	Grant	Collaborative Research: High-Density, Cost-Effective Electrochemical Power Management with Real-Time Diagnostics	National Science Foundation	9/1/2014	8/31/2017	\$150,000
Carter, Emily Ann	AWD1004135	Grant	Unlocking Solar Water Splitting via Embedded Correlated Wavefunction Theory	Air Force Office of Scientific Research	8/1/2014	7/31/2019	\$1,050,000
Rand, Barry P.	AWD1004182	Grant	ITO-Free White OLEDs on Flexible Substrates with Enhanced Light Out Coupling	DOE - Pittsburgh NETL	9/10/2014	11/9/2016	\$1,021,242
Larson, Eric David	AWD1004237	Grant	Techno-economic Evaluation of Jet Fuel from Lignite Plus Biomass with CO2 Capture	Southern Company	10/1/2014	9/30/2016	\$175,000
Larson, Eric David	AWD1004260	Cooperative Agreement	Design/Cost Study and Commercialization Analysis for Synthetic Jet Fuel Production at a Mississippi Site from Lignite and Woody Biomass with CO2 Capture and Storage via EOR	DOE - Pittsburgh NETL	10/1/2014	3/31/2017	\$1,275,832
Carter, Emily Ann	AWD1004297	Grant	Shedding Light on Plasmon-Based Photochemical and Photophysical Processes	Rice University	11/1/2014	1/31/2017	\$869,054
Meggers, Forrest Michael	AWD1004353	Grant	Downdraft Solar Chimney for Passive Cooling in Arid Climates	Tides Foundation	4/1/2015	8/31/2016	\$10,000
Carter, Emily Ann	AWD1004388	Grant	Advancing Orbital-Free Density Functional Theory: Physics, Algorithms, and Applications	Office of Naval Research	4/1/2015	3/31/2018	\$675,000
Loo, Yueh Lin	AWD1004474	Contract	ExxonMobil Research and Engineering (EMRE) Company - Princeton E-filiates Partnership	ExxonMobil Research and Engineering Co.	6/4/2015	6/3/2020	\$2,700,000
Steingart, Daniel Artemus	AWD1004607	Contract	Determination of Aqueous / Aprotic Lithium Plating Properties	alpha-En Corporation	9/1/2015	8/31/2017	\$226,247
Larson, Eric David	AWD1004608	Contract	Sustainable Transportation Energy with Net Negative Carbon Emissions: An Integrated Ecological and Engineering Systems Analysis	Stanford University	6/1/2015	5/31/2018	\$706,781
Steingart, Daniel Artemus	AWD1004649	Cooperative Agreement	FEASIBLE: Fast Electrochemical Acoustic Signal Interrogation for Battery Lifetime Extrapolation and Extension	Advanced Research Projects Agnc - Energy	10/1/2015	3/30/2017	\$499,976
Rand, Barry P.	AWD1004653	Grant	Uncovering the Device Physics of Metal Halide Perovskite Solar Cells	U.S.-Israel Binational Science Fdn.	10/1/2015	9/30/2017	\$60,000
Meggers, Forrest Michael	AWD1004702	Contract	3-for-2 - Beyond Efficiency: Realizing Spatial, Material, and Energy Savings Through Integrated Design, Advanced Systems and Controls	ETH Zurich	7/1/2015	8/31/2018	\$143,000
Kolemen, Egemen	AWD1004852	Grant	Real-time Electron Temperature and Density Profile Measurements for NSTX-U	DOE - Washington	5/15/2016	5/14/2019	\$648,052

Andlinger Center for Energy and the Environment (2)

ACTIVE SPONSORED AWARDS

7/1/2015 - 6/30/2016

<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Carter, Emily Ann	CNV1000881	Grant	Quantum Mechanical Evaluation of CZTS Photovoltaic Materials	DOE - Washington	9/1/2009	11/30/2017	\$1,207,000
Nordenson, Guy J.P.	CNV1002656	Grant	New Directions in Coastal Resilient Design Strategies - Four Integrated Designs	The Rockefeller Foundation	7/1/2013	9/30/2015	\$2,272,652
Carter, Emily Ann	CNV1002660	Grant	CDS&E: Correlated Wavefunction Methods for Gas and Condensed Phases	National Science Foundation	9/1/2013	8/31/2017	\$420,000
Steingart, Daniel Artemus	CNV1002880	Grant	Structural Batteries for Hybrid Electric Propulsion System	NASA Glenn Research Center	9/18/2013	9/17/2015	\$29,999
Steingart, Daniel Artemus	CNV1002953	Grant	GOALI: A Comparative Study of Electrochemical Codeposition with In-Situ Electron Microscopy	National Science Foundation	8/17/2013	8/31/2015	\$120,892
White, Claire Emily	CNV1003136	Grant	Sulfate Attack Mechanisms in Geopolymers: Measurements and Modeling at the Nanoscale	National Science Foundation	7/1/2014	6/30/2017	\$299,933

ACTIVE SPONSORED AWARDS

7/1/2015 - 6/30/2016

<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Greenhouse, Carol Jane	AWD1004524	Grant	Doctoral Dissertation Research: An Ethnographic Study of Lay Participation in the United States Criminal Justice System	National Science Foundation	9/1/2015	8/31/2017	\$21,033
Davis, Elizabeth Anne	AWD1004820	Grant	Doctoral Dissertation Research: An Ethnographic Analysis of Care and Criminal Law in California's Mental Health Courts	National Science Foundation	3/1/2016	2/28/2017	\$13,860
Biehl, Joao	CNV1003253	Grant	Doctoral Dissertation Research: Untested Waters: Developing Climate Resilience in Tajikistan	National Science Foundation	9/1/2014	2/28/2017	\$16,733

ACTIVE SPONSORED AWARDS

7/1/2015 - 6/30/2016

<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Singer, Amit	AWD1004091	Grant	Improved Algorithms for Macromolecular Structure Determination by Cryo-EM	NIH NIGMS	8/1/2014	6/30/2018	\$1,311,545
Holmes, Philip John	AWD1004096	Grant	U.S. - German Collaboration: Central Pattern Generators and Reflexive Feedback in Insect Locomotion: A Cross-Species Study	National Science Foundation	8/15/2014	7/31/2017	\$506,745
E, Weinan	AWD1004197	Grant	Coupling Continuum and Density Functional Theories for Materials Modeling	National Science Foundation	8/15/2014	1/31/2016	\$124,829
Singer, Amit	AWD1004217	Grant	Moore Investigators in Data Driven-Discovery	Gordon and Betty Moore Foundation	12/1/2014	11/20/2019	\$1,500,747
Holmes, Philip John	AWD1004257	Cooperative Agreement	Integrative Functional Mapping of Sensory-Motor Pathways	Calif Inst of Technology (Cal Tech)	9/30/2014	7/31/2017	\$714,765
Chudnovsky, Maria	AWD1004526	Grant	Collaborative Research: Cliques, Stable Sets and Approximate Structure	National Science Foundation	7/15/2015	7/31/2018	\$210,155
Constantin, Peter	AWD1004562	Grant	Mathematical Methods for Water Problems	National Science Foundation	8/15/2015	7/31/2018	\$600,000
Singer, Amit	AWD1004655	Grant	Diffusion Scattering Networks	U.S.-Israel Binational Science Fdn.	9/1/2015	8/31/2019	\$35,568
Abbe, Emmanuel Auguste	AWD1004727	Grant	CAREER: Information-Theoretic Foundations of Community Detection and Graphical Channels	National Science Foundation	2/15/2016	1/31/2021	\$500,000
Carter, Emily Ann	CNV1000867	Grant	Science Based Nano-Structure Design and Synthesis of Heterogeneous Functional Materials for Energy Systems	University of South Carolina	8/1/2009	7/31/2015	\$1,094,655
Singer, Amit	CNV1001828	Grant	Vector Diffusion Maps: A New Framework for Organization and Inference of Complex Networks	Air Force Office of Scientific Research	6/15/2012	6/14/2017	\$1,000,000
Constantin, Peter	CNV1002044	Grant	Complex and Nonlocal Systems	National Science Foundation	9/17/2012	9/30/2017	\$599,998
E, Weinan	CNV1002142	Grant	Modeling Mesoscale Processes of Scalable Synthesis	DOE - Washington	12/1/2012	11/30/2017	\$750,000
E, Weinan	CNV1002178	Grant	Multi-scale/Multi-physics Modeling: Rare events in Complex Systems	Office of Naval Research	2/1/2013	7/31/2016	\$523,794
Singer, Amit	CNV1002205	Grant	Discovery of Empirical Components by Information Theory, Random Matrix Theory, and Computational Topology	Air Force Office of Scientific Research	2/15/2013	2/14/2016	\$900,000
Seymour, Paul Douglas	CNV1002422	Grant	"Collaborative Research: Cliques, Stable Sets, and Approximate Structure"	National Science Foundation	8/1/2013	7/31/2018	\$240,000
Seymour, Paul Douglas	CNV1003052	Grant	Problems in Graph Theory	Office of Naval Research	4/1/2014	3/31/2017	\$533,986
Singer, Amit	CNV1003113	Grant	Simons Collaboration on Algorithms and Geometry	The Simons Foundation	8/1/2014	7/31/2018	\$555,966

ACTIVE SPONSORED AWARDS

7/1/2015 - 6/30/2016

<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Allen, Stanley T.	CNV1002893	Grant	Princeton-Mellon Architecture, Urbanism, and Humanities Initiative: Cities of the Americas: Architecture, Society, Policy, and Culture	The Andrew W. Mellon Foundation	10/1/2013	9/30/2017	\$1,967,582

ACTIVE SPONSORED AWARDS

7/1/2015 - 6/30/2016

<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Steward, James C.	AWD1004224	Grant	Programming for the Art Museum	Rita Allen Foundation, Inc.	11/1/2014	11/30/2015	\$5,000
Steward, James C.	AWD1004270	Grant	The Minor White Photography Archive at the Princeton University Art Museum: Digitization, Documentation and Access	U.S. Inst of Museum & Library Services	11/1/2014	10/31/2017	\$99,493
Steward, James C.	AWD1004675	Grant	Programming for the Art Museum	Rita Allen Foundation, Inc.	12/1/2015	11/30/2016	\$5,000
Steward, James C.	AWD1004687	Grant	PUAM - FY2016 Application for General Program Support (NJSCA)	NJ State Council on the Arts	7/1/2015	6/30/2016	\$30,000
Steward, James C.	AWD1004696	Grant	Nature's Nation: American Art and Environment	The Henry Luce Foundation, Inc.	11/5/2015	11/4/2017	\$125,000
Steward, James C.	AWD1004857	Grant	The Berlin Painter	Stavros Niarchos Foundation	6/2/2016	9/17/2017	\$100,000

Astrophysical Sciences

ACTIVE SPONSORED AWARDS

7/1/2015 - 6/30/2016

<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Draine, Bruce T.	AWD1004067	Grant	Interstellar Dust: Optics and Models	National Science Foundation	8/15/2014	7/31/2017	\$454,820
Burrows, Adam S.	AWD1004122	Grant	Three Dimensional Modeling of Core-Collapse Supernovae	National Science Foundation	9/1/2014	8/31/2015	\$2,430
Caprioli, Damiano	AWD1004144	Grant	Gamma-Rays from Super-Nova Remnants: A Multi-Scale Approach	NASA Headquarters - Washington	9/1/2014	8/31/2016	\$90,000
Greene, Jenny E.	AWD1004146	Grant	Collaborative Research: MASSIVE - A Survey of the 100 Most Massive Galaxies within 100 Mpc	National Science Foundation	9/1/2014	8/31/2017	\$317,602
Bakos, Gaspar Aron	AWD1004163	Contract	Confirming and Characterizing Transiting Neptunes and Multi-Planet Transiting Hot Jupiter Systems using Keck/HIRES	Cal Tech - Jet Propulsion Lab (JPL)	7/7/2014	9/30/2016	\$16,000
Ebrahimi, Fatima	AWD1004183	Grant	Global Simulations of Dynamo and Magnetorotational Instability in Madison Plasma Experiments and	DOE - Germantown	9/15/2014	9/14/2017	\$220,000
Spergel, David N.	AWD1004187	Grant	Tidal Effects in Few-body Interactions	Smithsonian Astrophysical Observatory	12/1/2014	11/30/2017	\$336,689
Spitkovsky, Anatoly	AWD1004192	Grant	Gamma-Ray Production in Pulsar Current Sheets	NASA Headquarters - Washington	9/1/2014	8/31/2016	\$180,000
Bakos, Gaspar Aron	AWD1004209	Contract	Supporting TESS from the ground with HATNET	Massachusetts Institute of Technology	10/1/2014	10/8/2019	\$374,646
Gunn, James Edward	AWD1004250	Grant	ARC Agreement SSP422, SDSS-IV Support	Astrophysical Research Consortium (ARC)	4/1/2014	12/31/2016	\$170,516
Lupton, Robert Hugh	AWD1004264	Contract	Testbed Photometric Data Processor	Assn of Univ for Rsrch in Astronomy, Inc	10/1/2014	9/30/2017	\$4,189,655
Greene, Jenny E.	AWD1004265	Contract	The Hosts of Megamaser Galaxies (II)	Space Telescope Science Institute	1/1/2015	12/31/2017	\$87,692
Bowen, David Vernon	AWD1004288	Contract	The COS Absorption Survey of Baryon Harbors (CASBaH): Probing the Circumgalactic Media of Galaxies from $z = 0$ to $z = 1.5$	Space Telescope Science Institute	1/1/2015	12/31/2017	\$83,714
Goulding, Andrew David	AWD1004302	Grant	Probing the Extreme AGN Blowout Phase of Galaxy Evolution	Smithsonian Astrophysical Observatory	12/25/2014	1/31/2017	\$36,183
Spitkovsky, Anatoly	AWD1004308	Grant	Generation of Collisionless Shocks in Laser - Produced Plasmas	DOE - National Nuclear Security Admin	9/15/2015	9/14/2017	\$209,698
Burrows, Adam S.	AWD1004324	Grant	Optimal Observational Diagnostics for Transiting Exoplanetary Atmospheres	University of Maryland	1/26/2015	1/25/2018	\$135,000
Goulding, Andrew David	AWD1004332	Grant	Harnessing the Full Power of the Widest Chandra Field	Smithsonian Astrophysical Observatory	3/3/2015	9/30/2016	\$43,576
Jenkins, Edward Beynon	AWD1004333	Contract	Constraining the Cosmic-ray Acceleration and Gamma-ray Emission Processes in IC 443	Space Telescope Science Institute	3/1/2015	2/28/2018	\$19,764
Bakos, Gaspar Aron	AWD1004337	Contract	Confirming and Characterizing Transiting Neptunes and Transiting Planets around M Dwarfs	Cal Tech - Jet Propulsion Lab (JPL)	3/28/2015	1/15/2017	\$19,000
Morton, Timothy Davies	AWD1004342	Grant	The Robo-AO survey of Kepler exoplanet hosts	Univ of No Carolina at Chapel Hill	1/1/2015	12/31/2016	\$41,858

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Bowen, David Vernon	AWD1004347	Contract	Baryon Structures Around Nearby Galaxies: Using an Edge-On Disk to Assess Inflow/Outflow Models	Space Telescope Science Institute	3/1/2015	2/28/2018	\$174,107
Huang, Yi-Min	AWD1004381	Grant	Plasma Instabilities in Post-Eruption Solar Corona, Formation of Plasmoids and Supra-Arcade Downflows	National Science Foundation	5/15/2015	4/30/2018	\$357,000
Bhattacharjee, Amitava	AWD1004412	Grant	Fast Magnetic Reconnection in High-Energy Laser-Produced Plasmas	University of New Hampshire	11/1/2014	8/31/2016	\$136,000
Jenkins, Edward Beynon	AWD1004428	Contract	Using ISM Abundances in the SMC to Correct for Element Depletions by Dust in QSO Absorption Line	Space Telescope Science Institute	6/1/2015	5/31/2018	\$227,204
Brennan, Dylan Patrick	AWD1004433	Grant	Stability and Control of Burning Tokamak Plasmas with Resistive Walls	DOE - Washington	7/1/2015	6/30/2018	\$450,000
Burrows, Adam S.	AWD1004469	Contract	Preparing to Observe Exoplanets with the James Webb Space Telescope and WFIRST-AFTA	Cal Tech - Jet Propulsion Lab (JPL)	6/8/2015	9/27/2015	\$40,000
Lupton, Robert Hugh	AWD1004489	Grant	Joint Source Detection, Deblending, and Measurement for WFIRST-AFTA and LSST	NASA Headquarters - Washington	10/1/2015	9/30/2017	\$312,510
Fisch, Nathaniel J.	AWD1004505	Grant	Equation of State for Hydrodynamic Compression in Turbulent Z-pinch	National Science Foundation	9/1/2015	8/31/2018	\$285,000
Bhattacharjee, Amitava	AWD1004507	Grant	Collaborative Research: Integration of Extended MHD and Kinetic Effects in Global Magnetosphere	National Science Foundation	10/21/2014	5/31/2018	\$612,689
Spitkovsky, Anatoly	AWD1004518	Grant	First-Principles Simulations of Pulsar Magnetospheres	NASA Headquarters - Washington	6/5/2015	6/4/2018	\$599,406
Stone, James McLellan	AWD1004536	Grant	A Max-Planck/Princeton Research Center for Plasma Physics	National Science Foundation	8/1/2015	7/31/2018	\$540,000
Stone, James McLellan	AWD1004548	Grant	Modeling and Probing the Physics of Multiphase Gas Condensation in Hot Halos	Smithsonian Astrophysical Observatory	10/1/2015	9/30/2017	\$229,470
Hartman, Joel David	AWD1004558	Contract	Confirming the Inflated Size of a Transiting Super-Jupiter with WHIRC	Cal Tech - Jet Propulsion Lab (JPL)	7/22/2015	7/1/2017	\$19,250
Cen, Renyue	AWD1004564	Grant	Unveiling True Galaxy Abundance Evolution at z=6-15 with Precision Simulations and Analysis	National Science Foundation	9/1/2015	8/31/2018	\$764,413
Spitkovsky, Anatoly	AWD1004574	Grant	Kinetic and Multiscale Simulations of Particle Acceleration in Astrophysical Shocks	National Science Foundation	9/1/2015	8/31/2018	\$457,936
Spitkovsky, Anatoly	AWD1004582	Grant	Particle Acceleration and Emission Processes in Pulsar Magnetospheres	NASA Headquarters - Washington	9/1/2015	8/31/2017	\$60,000
Spitkovsky, Anatoly	AWD1004583	Grant	Formation and Diagnostics of Collisionless Shock in Laser-Produced Plasmas	DOE - Chicago	8/15/2015	8/14/2018	\$640,000
Fisch, Nathaniel J.	AWD1004588	Grant	Studies in Raman Compression	Air Force Office of Scientific Research	9/15/2015	9/14/2020	\$1,200,000
Bhattacharjee, Amitava	AWD1004606	Grant	Dynamics of Magnetic Reconnection and Instabilities of Current Sheets in High-Energy-Density Plasmas	DOE - National Nuclear Security Admin	10/1/2015	9/30/2017	\$370,078

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Fisch, Nathaniel J.	AWD1004609	Grant	Fundamental Issues in the Interaction of Intense Lasers with Plasma	DOE - National Nuclear Security Admin	10/1/2015	9/30/2018	\$930,000
Burrows, Adam S.	AWD1004630	Contract	Model Parameter Retrieval for Exoplanets Observed with WFIRST-AFTA	Cal Tech - Jet Propulsion Lab (JPL)	8/17/2015	5/31/2016	\$20,000
Bakos, Gaspar Aron	AWD1004634	Contract	Confirming and Characterizing Transiting Neptunes and Transiting Planets around M Dwarfs	Cal Tech - Jet Propulsion Lab (JPL)	9/8/2015	7/30/2017	\$14,500
Spergel, David N.	AWD1004652	Contract	Combining CMB (ActPol, Stage IV) and Weak Lensing Data (HSC, Euclid, WFIRST, LSST)	Cal Tech - Jet Propulsion Lab (JPL)	10/6/2015	9/25/2016	\$17,500
Ji, Hantao	AWD1004661	Grant	Creation of Magnetized Jet Using a Hollow Ring of Laser Beams	Rice University	9/1/2015	8/31/2017	\$52,333
Burrows, Adam S.	AWD1004679	Contract	Preparing to Observe Exoplanets with the JWST and WFIRST-AFTA - Year 2	Cal Tech - Jet Propulsion Lab (JPL)	10/27/2015	3/25/2017	\$75,000
Brennan, Dylan Patrick	AWD1004711	Contract	DIII-D National Fusion Program Research and Facility Operations and Advanced Fusion Technology	General Atomics	11/18/2015	11/17/2017	\$185,000
Brennan, Dylan Patrick	AWD1004715	Contract	Stability Analyses of Compact Toroid Compression Experiments	General Fusion Inc.	1/1/2016	12/31/2018	\$156,460
Bakos, Gaspar Aron	AWD1004737	Contract	Confirming and Characterizing Transiting Neptunes and Transiting Planets around M Dwarfs Using Keck/Hires 2016	Cal Tech - Jet Propulsion Lab (JPL)	1/4/2016	12/31/2017	\$15,000
Hartman, Joel David	AWD1004740	Contract	Secondary Eclipse Observations of Hot Jupiters with WHIRC	Cal Tech - Jet Propulsion Lab (JPL)	1/4/2016	1/1/2018	\$10,800
Spergel, David N.	AWD1004745	Contract	WFIRST Science Investigation Teams and Adjutant Scientists	NASA Goddard Space Flight Center	1/19/2016	1/18/2018	\$593,270
Jenkins, Edward Beynon	AWD1004758	Contract	Project AMIGA: Mapping the Circumgalactic Medium of Andromeda	Space Telescope Science Institute	2/1/2016	1/31/2019	\$12,654
Goulding, Andrew David	AWD1004759	Grant	Probing AGN Feedback on Nuclear and Galaxy-Wide Scales	Smithsonian Astrophysical Observatory	1/21/2016	1/20/2017	\$52,664
Bakos, Gaspar Aron	AWD1004760	Grant	Observing High-priority Transit Candidates and Eclipsing Binaries from HATSouth with K2 Long-cadence Photometry	NASA Headquarters - Washington	2/5/2016	2/4/2017	\$14,000
Spergel, David N.	AWD1004761	Contract	Development and Initial Performance Evaluation of Subaru Prime Focus Spectrograph	Kavli Institute for Physics & Mathematics	11/1/2015	3/31/2016	\$450,000
Ebrahimi, Fatima	AWD1004765	Contract	Numerical Studies of Flux Closure and Plasmoid Instability during CHI Startup in NSTX-U	Princeton Plasma Physics Laboratory	3/2/2016	9/30/2016	\$137,500
Greene, Jenny E.	AWD1004769	Contract	Homogeneous Distances and Central Profiles for MASSIVE Survey Galaxies with Supermassive Black Holes	Space Telescope Science Institute	3/1/2016	2/28/2019	\$39,181
Bowen, David Vernon	AWD1004770	Contract	Damped Lyman-alpha Systems in the Disks of Low-z SDSS Galaxies on Top of QSOs	Space Telescope Science Institute	3/1/2016	2/28/2019	\$47,782

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Brennan, Dylan Patrick	AWD1004799	Contract	Computational Assessment of the Effects of Differential Rotation between Rational Surfaces on Disruptive Instabilities in DIII-D	Princeton Plasma Physics Laboratory	4/6/2016	11/30/2016	\$72,392
Greene, Jenny E.	AWD1004803	Contract	The Structures of Dwarf Galaxies Hosting Massive Black Holes	Space Telescope Science Institute	4/1/2016	3/31/2019	\$8,779
Greene, Jenny E.	AWD1004816	Grant	Extended X-ray Emission From a Quasar-driven Superbubble	Smithsonian Astrophysical Observatory	4/5/2016	4/4/2017	\$25,135
Spergel, David N.	AWD1004818	Contract	Constraining Dark Energy and Modified Gravity with Euclid Part 2	Cal Tech - Jet Propulsion Lab (JPL)	3/9/2016	5/31/2017	\$125,373
Kunz, Matthew Walter	AWD1004888	Grant	Kinetic Turbulence, Ion Heating, and Plasma Microphysics in the Solar Wind and Numerical Simulations	NASA Headquarters - Washington	6/1/2016	5/31/2019	\$427,883
Burrows, Adam S.	AWD1004890	Contract	Characterizing Extrasolar Planetary Systems with the WFIRST Chronograph	Stanford University	5/20/2016	4/28/2021	\$622,719
Spergel, David N.	AWD1004895	Contract	Integration and Operational Test of Individually Tested H4RG Detector in The Near-infrared (NIR) Camera System	Kavli Institute for Physics & Mathematics	4/1/2016	3/15/2017	\$450,000
Fisch, Nathaniel J.	AWD1004933	Grant	Optimizing Current Drive in the Presence of Alpha Particles	DOE - Chicago	6/15/2016	6/14/2019	\$350,000
Greene, Jenny E.	AWD1004948	Contract	WFIRST-EXPO	University of California at Santa Cruz	4/19/2016	4/18/2018	\$9,720
Greene, Jenny E.	AWD1005057	Contract	Extended X-ray Emission From a Quasar-driven Superbubble	Space Telescope Science Institute	7/1/2015	6/30/2018	\$10,373
Fisch, Nathaniel J.	CNV1000429	Grant	Fundamental Issues in the Interaction of Intense Lasers with Plasma	DOE- Albuquerque Operations Office	4/18/2008	4/17/2016	\$2,064,300
Goodman, Jeremy J.	CNV1000654	Grant	Physics Frontiers Center, "Center for Magnetic Self-Organization in Laboratory and Astrophysical Plasmas"	University of Wisconsin	9/1/2008	12/31/2015	\$1,915,876
Fisch, Nathaniel J.	CNV1000729	Grant	Alpha Channeling in Open-System Magnetic Devices	DOE - Germantown	4/1/2009	3/31/2016	\$179,869
Goodman, Jeremy J.	CNV1001093	Grant	Predicting Signatures of Accretion and Turbulence in Protoplanetary Disks	NASA Headquarters - Washington	9/1/2010	8/31/2017	\$362,000
Fisch, Nathaniel J.	CNV1001447	Grant	Wave Compression in High Energy Density Matter: Building Switches in Dense Plasmas	Defense Threat Reduction Agency	7/7/2011	6/14/2017	\$810,000
Cen, Renyue	CNV1001519	Grant	Simulating Galaxies Across Reionization: A Multiwavelength View	National Science Foundation	9/1/2011	2/28/2017	\$624,088
Bowen, David Vernon	CNV1001616	Contract	QSO Absorption Line Systems from Dwarf Galaxies	Space Telescope Science Institute	11/1/2011	2/28/2017	\$184,453
Stone, James McLellan	CNV1001734	Grant	A Max-Planck/Princeton Research Center for Plasma Physics	National Science Foundation	4/1/2012	3/31/2016	\$950,002
Cen, Renyue	CNV1001755	Grant	High-Redshift Galaxy Formation Simulations	NASA Headquarters - Washington	7/1/2012	6/30/2017	\$529,000

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Spergel, David N.	CNV1001817	Grant	Cosmic Microwave Background as a Probe of the Low Redshift	NASA Headquarters - Washington	5/1/2012	4/30/2017	\$300,000
Fisch, Nathaniel J.	CNV1001836	Grant	Electromagnetic Wave Compression in Plasma	National Science Foundation	6/15/2012	5/31/2016	\$420,000
Spergel, David N.	CNV1001983	Contract	Optimal Cosmological Inference from Lensing and Redshift Observations: Cosmology Beyond Cosmic	Cal Tech - Jet Propulsion Lab (JPL)	9/1/2012	8/31/2015	\$383,850
Bakos, Gaspar Aron	CNV1002124	Grant	Packard Fellowship Grant: Gaspar Bakos	The David and Lucile Packard Foundation	10/17/2012	10/15/2017	\$875,000
Jenkins, Edward Beynon	CNV1002127	Contract	The Physical and Dynamical Properties of Gas that Molds the Fermi Bubbles	Space Telescope Science Institute	11/1/2012	10/31/2015	\$119,308
Bowen, David Vernon	CNV1002153	Contract	Mapping Baryons in the Halo of NGC 1097	Space Telescope Science Institute	10/1/2012	9/30/2016	\$221,221
Fisch, Nathaniel J.	CNV1002184	Grant	Center for Pulsed Power Driven High Energy Density Plasmas	Cornell University	10/1/2012	9/30/2017	\$525,000
Bakos, Gaspar Aron	CNV1002427	Grant	Operating an Improved HAT Network to Discover and Characterize Many Planets, from Super-Earths to Super-Jupiters, Transiting Bright Stars	NASA Headquarters - Washington	4/9/2013	4/8/2017	\$771,800
Bhattacharjee, Amitava	CNV1002432	Grant	Collaborative Research: Integration of Extended MHD and Kinetic Effects in Global Magnetosphere Models	National Science Foundation	6/15/2013	5/31/2018	\$1,280,000
Brennan, Dylan Patrick	CNV1002433	Grant	Interactions Between Microturbulence and Magnetohydrodynamic Instabilities in Magnetized Plasmas	DOE - Washington	8/15/2013	1/31/2018	\$345,000
Ebrahimi, Fatima	CNV1002434	Grant	Extended MHD Studies of Flow-Driven and Reconnecting Instabilities in Toroidal Plasmas	DOE - Germantown	8/15/2013	8/14/2017	\$425,000
Spitkovsky, Anatoly	CNV1002435	Grant	Generation of Collisionless Shocks in Laser-Produced Plasmas	DOE - National Nuclear Security Admin	8/1/2013	7/31/2015	\$289,070
Stone, James McLellan	CNV1002436	Grant	Collaborative Research: Black Hole Accretion Theory and Computation Network	National Science Foundation	9/1/2013	8/31/2017	\$501,276
Burrows, Adam S.	CNV1002437	Contract	The Explosion Mechanism of Core-Collapse Supernovae and its Observational Signatures	Space Telescope Science Institute	9/1/2013	8/31/2016	\$310,421
Stone, James McLellan	CNV1002438	Contract	A Classical Problem in the New Era Helps to Find Young Planets in Birth	Space Telescope Science Institute	9/1/2013	8/31/2016	\$302,779
Spitkovsky, Anatoly	CNV1002439	Grant	Current Sheet Emission Model for Fermi Gamma-ray Pulsars	NASA Headquarters - Washington	8/6/2013	8/5/2015	\$90,000
Greene, Jenny E.	CNV1002440	Grant	Megamaser Disk Galaxies and Secular Black Hole Growth	National Science Foundation	9/1/2013	8/31/2016	\$223,500
Stone, James McLellan	CNV1002441	Grant	MHD Models of Accretion Disks in Close Binaries	National Science Foundation	9/1/2013	8/31/2017	\$311,500

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Spergel, David N.	CNV1002442	Grant	Combining Thermal SZ and Gravitational Lensing Measurements: A Novel Approach to Measuring the Amplitude of Matter Fluctuations	National Science Foundation	9/15/2013	8/31/2017	\$539,488
Ostriker, Eve Charis	CNV1002443	Grant	The Physics of Feedback and Star Formation Regulation in Galactic Disks	National Science Foundation	9/1/2013	8/31/2017	\$415,516
Goodman, Jeremy J.	CNV1002444	Grant	Experiments in Magnetohydrodynamic and Hydrodynamic Instabilities of Astrophysical Interest	National Science Foundation	9/15/2013	8/31/2017	\$487,630
Penev, Kaloyan Minev	CNV1002445	Grant	The Origins of Close-in Extrasolar Planets	NASA Headquarters - Washington	10/1/2013	9/30/2016	\$104,000
Spergel, David N.	CNV1002851	Contract	Constraining Dark Energy and Modified Gravity with Euclid	Cal Tech - Jet Propulsion Lab (JPL)	3/13/2013	10/31/2015	\$247,152
Ji, Hantao	CNV1002872	Grant	Study of Particle Acceleration and Fine-Scale Structures of Collisionless Magnetic Reconnection	DOE - National Nuclear Security Admin	2/1/2013	1/31/2017	\$387,059
Jenkins, Edward Beynon	CNV1002888	Contract	Filling in the Gaps in a Study of Gas that Molds the Fermi Bubbles: An Archival Supplement to a Cycle 20 GO Program	Space Telescope Science Institute	10/1/2013	9/30/2016	\$108,588
Greene, Jenny E.	CNV1002892	Contract	AGN Fueling: Alignments Between Circumnuclear Structures and Radio Jets	Space Telescope Science Institute	10/1/2013	9/30/2017	\$42,026
Jenkins, Edward Beynon	CNV1002901	Contract	Advanced Spectral Library II: Hot Stars	Space Telescope Science Institute	11/1/2013	10/31/2016	\$146,818
Ostriker, Eve Charis	CNV1002915	Grant	Collaborative Research: From the ISM to the IMF: Multi-Scale, Multi-Physics Modeling of Star Formation, Princeton Node	NASA Headquarters - Washington	1/1/2014	12/31/2016	\$502,897
Bhattacharjee, Amitava	CNV1002927	Grant	Dynamics and Instabilities of Magnetic Reconnection Current Sheets in High-Energy-Density Plasmas	DOE - National Nuclear Security Admin	10/1/2013	9/30/2016	\$198,253
Burrows, Adam S.	CNV1002929	Contract	Follow The Water: The Ultimate WFC3 Exoplanet Atmosphere Survey	Space Telescope Science Institute	12/1/2013	11/30/2016	\$20,000
Morton, Timothy Davies	CNV1002965	Grant	Completing the Kepler Census of Earth-like Planets	NASA Shared Services Center	2/11/2014	2/10/2017	\$448,851
Ji, Hantao	CNV1002989	Grant	MRI Consortium: Development of A Large Plasma Device for Studies of Magnetic Reconnection and Related Phenomena	National Science Foundation	10/1/2013	9/30/2017	\$3,078,369
Greene, Jenny E.	CNV1002990	Grant	Chandra Cycle 15: The Demographics of Massive Black Holes in Dwarf Galaxies	Smithsonian Astrophysical Observatory	1/1/2014	2/28/2016	\$54,004
Spitkovsky, Anatoly	CNV1003037	Grant	Simons Investigator - A. Spitkovsky	The Simons Foundation	8/1/2014	7/31/2019	\$660,000
Hartman, Joel David	CNV1003073	Grant	Developing a General-Purpose Tool for Analyzing Time-Series Data from the NASA Kepler Mission	NASA Headquarters - Washington	3/19/2014	3/18/2017	\$162,061
Strauss, Michael Abram	CNV1003080	Grant	SpIES: The Spitzer-IRAC Equatorial Survey	Cal Tech - Jet Propulsion Lab (JPL)	3/10/2014	9/30/2015	\$16,000

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Spergel, David N.	CNV1003094	Grant	Combining WFIRST-AFTA Observations with CMB Measurements to Probe Large-Scale Velocity Fields	NASA Headquarters - Washington	5/1/2014	12/31/2016	\$110,208
Jenkins, Edward Beynon	CNV1003137	Contract	Directly Probing $>10^6$ K Gas in Lyman Limit Absorbers at $z>2$	Space Telescope Science Institute	5/1/2014	4/30/2017	\$84,752

Atmospheric & Oceanic Sciences

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Fueglistaler, Stephan Andreas	AWD1004008	Grant	Analysis of Cirrus Clouds and Atmospheric Humidity with Cloud Resolving Numerical Model Calculations	National Science Foundation	7/1/2014	6/30/2017	\$443,075
Rodgers, Keith B.	AWD1004055	Grant	Synthesis of New Sea Surface pCO2 Data Products: Evaluation, Comparison, and Implications for the Global Carbon Cycle	NASA Headquarters - Washington	6/28/2014	6/27/2017	\$697,306
Sarmiento, Jorge Louis	AWD1004094	Cooperative Agreement	Three-Dimensional Structure of the Southern Ocean Overturning Circulation	DOE - Washington	8/15/2014	8/14/2017	\$624,213
Sarmiento, Jorge Louis	AWD1004131	Cooperative Agreement	Cooperative Institute for Climate Science	U.S. DOC - Natl Oceanic & Atmos Admin	7/1/2013	6/30/2018	\$24,585,496
Lin, Meiyun	AWD1004158	Grant	Statistics for Stratospheric Influence on Surface GHGs during NASA's North American Field Campaigns: A Study with Aircraft & Satellite Data and High-Resolution Global Models	NASA Goddard Space Flight Center	8/14/2014	8/13/2017	\$101,451
Key, Robert Marion	AWD1004198	Contract	Carbon Dioxide Information Analysis	UT-Battelle, LLC	8/22/2014	7/31/2015	\$99,999
Sarmiento, Jorge Louis	AWD1004298	Contract	Towards Reliable Projections of the Response of Fisheries to Future Climates-Phase II	University of British Columbia	9/1/2014	8/31/2017	\$553,430
Mao, Jingqiu	AWD1004340	Grant	Southeast Atmosphere Studies Workshop: Intensive Observation Period Modeling to Improve Mechanistic Representation of Trends	National Science Foundation	4/1/2015	3/31/2016	\$20,000
Sergienko, Olga V.	AWD1004425	Grant	Collaborative Research: Dynamic Response of the Ross Ice Shelf to Wave-induced Vibrations	University of California at San Diego	6/1/2014	5/31/2017	\$42,266
Adcroft, Alistair James	AWD1004529	Grant	Collaborative Research: Energetically Consistent, Resolution Aware, Parameterization of Meso-Scale	National Science Foundation	10/1/2015	9/30/2018	\$364,137
Legg, Sonya Allayne	AWD1004626	Grant	Collaborative Research: Dynamics of the Orkney Passage Outflow	National Science Foundation	10/1/2015	9/30/2018	\$84,220
Petrik, Colleen Mary	AWD1004659	Grant	Growth and Dispersal of Early Life History Stages of Arctic Cod and Saffron Cod under Variable Climate Forcing	North Pacific Research Board	9/1/2015	1/31/2018	\$11,800
Key, Robert Marion	AWD1004754	Grant	Collaborative Research: Understanding the Changing Global Distribution of Radiocarbon: Sampling and Analysis from GO-SHIP and Ships of Opportunity Cruises	National Science Foundation	2/15/2016	1/31/2021	\$262,530
Muhling, Barbara	AWD1004780	Grant	Fisheries and the Environment (FATE): A New Zooplankton Community Index and Recruitment Model to Improve Understanding of the Stock-Recruit Relationship for Western Atlantic Bluefin Tuna	University of Miami	9/1/2015	8/31/2016	\$28,454
Balaji, Venkatramani	AWD1004880	Cooperative Agreement	Dream: Distributed Resources for the Earth System Grid Federation Advanced Management	DOE - Washington	3/1/2016	2/28/2017	\$900,000
Sarmiento, Jorge Louis	CNV1000439	Cooperative Agreement	Cooperative Institute for Climate Science	U.S. DOC - Natl Oceanic & Atmos Admin	7/1/2008	6/30/2018	\$20,203,301

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<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Legg, Sonya Allayne	CNV1000676	Grant	Numerical Investigation of Nonlinear Internal Wave Generation and Breaking in Straits	Office of Naval Research	3/17/2009	12/31/2015	\$496,799
Sarmiento, Jorge Louis	CNV1001459	Grant	Towards an Estimate of Total Ocean Carbon Uptake and Changes in the Rate of Carbon Uptake over the Last Two Decades	U.S. DOC - Natl Oceanic & Atmos Admin	9/1/2011	8/31/2015	\$545,397
Held, Isaac M.	CNV1001569	Grant	Parameterization Development at High Resolution in Atmospheric Models Utilizing Both Idealized and Realistic Model Configurations	DOE - Chicago	9/15/2011	3/14/2016	\$1,020,867
Sarmiento, Jorge Louis	CNV1001573	Grant	Collaborative Project: Mode and Intermediate Waters in Earth System Models	DOE - Chicago	9/15/2011	9/14/2015	\$519,741
Vallis, Geoffrey K.	CNV1001632	Grant	Dynamics of the Midlatitude Circulation and Implications for a Changing Climate	National Science Foundation	1/1/2012	12/31/2015	\$606,252
Rodgers, Keith B.	CNV1001777	Grant	Large-scale Controls on Equatorial Pacific Nutricline Structure	National Science Foundation	5/1/2012	4/30/2016	\$561,102
Horowitz, Larry Wayne	CNV1001839	Contract	Regional Indicators of Daily-to-Yearly Variability in Background Ozone to Inform Air Quality Standard-Setting and Decision-Making	The Trustees of Columbia University	2/1/2012	1/31/2016	\$222,081
Vecchi, Gabriel A.	CNV1002682	Grant	Collaborative Research: Understanding and Forecasting North Atlantic and US Landfalling Tropical Cyclone Activity and Associated Rainfall	National Science Foundation	9/1/2013	2/28/2017	\$302,378
Mao, Jingqiu	CNV1002683	Grant	Impact of Organic Nitrate Chemistry on Air Quality and Climate: Past, Present, and Future Atmospheres	U.S. DOC - Natl Oceanic & Atmos Admin	8/1/2013	7/31/2016	\$392,881
Sergienko, Olga V.	CNV1002684	Grant	Collaborative Research: Representing Calving and Iceberg Dynamics in Global Climate Models	U.S. DOC - Natl Oceanic & Atmos Admin	9/1/2013	8/31/2017	\$451,000
Vallis, Geoffrey K.	CNV1002831	Grant	Energy Pathways and Scale Interactions in the Ocean	National Science Foundation	3/15/2013	2/28/2017	\$365,082
Legg, Sonya Allayne	CNV1003054	Grant	Collaborative Research: Continuation and Enhancement of MPOWIR	National Science Foundation	4/1/2014	3/31/2018	\$249,958
Sarmiento, Jorge Louis	CNV1003090	Cooperative Agreement	Skillful Predictions of Seasonal Hurricane Frequency, Track and Landfall	U.S. DOC - Natl Oceanic & Atmos Admin	3/1/2014	2/28/2018	\$2,770,179
Sarmiento, Jorge Louis	CNV1003159	Grant	Non-hydrostatic Global Models: GFDL HIRAM	U.S. DOC - Natl Oceanic & Atmos Admin	6/1/2014	5/31/2017	\$266,328
Sarmiento, Jorge Louis	CNV1003212	Grant	The Role of Mesoscale Eddies in Cross-Frontal Transport and Subduction of Nutrients and Carbon in the Southern Ocean	NASA Headquarters - Washington	6/26/2014	6/25/2017	\$715,124

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<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Storey, John D.	AWD1004216	Contract	Otsuka Genomic Analysis of Neuroscience Drug Response	Otsuka Pharm Dev & Commercialization	12/1/2014	3/31/2017	\$125,000
Miller, David W.	AWD1004255	Grant	Princeton University: Advancing the Understanding of the Intersection of Faith & Work	The Kern Family Foundation	11/4/2014	1/1/2018	\$783,657

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Teiser, Stephen F.	CNV1002951	Grant	Proposal to the Henry Luce Foundation: Dunhuang Art and Manuscripts	The Henry Luce Foundation, Inc.	11/1/2013	6/30/2017	\$250,000

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<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Sheffield, Justin	AWD1004025	Grant	Understanding Land-Atmosphere Controls on the Spatio-Temporal Evolution of Drought in North America in Current and Future Climates	NASA Headquarters - Washington	9/1/2014	8/31/2017	\$90,000
Nelson, Celeste M.	AWD1004036	Grant	The Mechanics of Lung Development in Three Different Species	National Science Foundation	9/1/2014	8/31/2017	\$400,000
Glisic, Branko	AWD1004047	Grant	Collaborative Research: Structural Identification & Health Monitoring using Temperature-Driven Data	National Science Foundation	8/1/2014	7/31/2017	\$119,992
Link, Aaron James	AWD1004050	Grant	Lasso Peptide Discovery	NIH NIGMS	8/1/2014	3/31/2019	\$1,582,050
Peters, Catherine Anne	AWD1004052	Grant	Geochemical Controls on Hazardous Element Mobilization in Shales and Precipitation in Wastewater Treatment	National Science Foundation	9/1/2014	8/31/2017	\$330,484
Garlock, Maria Eugenia Moreyra	AWD1004060	Grant	Collaborative Research: Advancing the Dissemination of the Creative Art of Structural/Civil Engineering	National Science Foundation	9/1/2014	8/31/2018	\$498,814
Wood, Eric F.	AWD1004062	Contract	Forecasting Drought Impacts Months Ahead using Satellite Data	The Australian National University	6/1/2014	5/30/2017	\$121,707
Koel, Bruce E.	AWD1004064	Grant	Establishing the Role of the Electrode Surface in Solar-Driven Pyridine-Catalyzed CO2 Reduction	DOE - Washington	8/15/2014	8/14/2017	\$615,000
Scherer, George W.	AWD1004086	Contract	Analysis of Best Practices for Deepwater Cementing in Oil Based Mud (OBM) and Synthetic Based Mud	CSI Technologies	9/1/2014	9/30/2016	\$315,000
Nelson, Celeste M.	AWD1004088	Grant	Mechanical Regulation of Mesenchyme and Mammalian Lung Development	NIH NHLBI	8/15/2014	4/30/2018	\$1,613,925
Kevrekidis, Yannis George	AWD1004095	Grant	Collaborative Research: A Distributed Approximate Dynamic Programming Approach for Robust Adaptive Control of Multiscale Dynamical Systems	National Science Foundation	9/1/2014	8/31/2017	\$167,000
Caylor, Kelly K.	AWD1004110	Grant	Improved Understanding of Tropical Forest Carbon Dynamics using Coupled Models and Remote Sensing of Water Vapor Isotopes	NASA Headquarters - Washington	9/1/2014	8/31/2017	\$90,000
Kevrekidis, Yannis George	AWD1004124	Grant	CDS&E: Collaborative Research: Data-Driven Predictive Modeling of Flows Containing Aggregating Particles	National Science Foundation	9/1/2014	8/31/2017	\$175,000
Zondlo, Mark Andrew	AWD1004139	Grant	Distribution of Fugitive Methane Emissions in the Marcellus Shale	U.S. DOC - Natl Oceanic & Atmos Admin	8/1/2014	7/31/2017	\$598,451
Mauzerall, Denise Leonore	AWD1004141	Grant	Constraining Methane Leakage from Abandoned Oil and Gas Wells	U.S. DOC - Natl Oceanic & Atmos Admin	8/1/2014	7/31/2017	\$592,220
Prud'homme, Robert Krafft	AWD1004150	Contract	Targeting Nanoparticles for Therapeutic Delivery	GlaxoSmithKline - US	9/7/2014	12/31/2016	\$186,781
Zondlo, Mark Andrew	AWD1004159	Grant	PFI: AIR - TT: Prototype Mid-infrared, Methane Sensor for Natural Gas Leak Detection on Small Unmanned Aerial Systems	National Science Foundation	9/15/2014	2/28/2017	\$199,627

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<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Zondlo, Mark Andrew	AWD1004168	Grant	Understanding Spatial Variability of Methane by Comparing Bottom-up and Top-down Methods During DISCOVER-AQ Colorado	NASA Langley Research Center	10/1/2014	9/30/2016	\$50,000
Caylor, Kelly K.	AWD1004175	Grant	EPA Star Graduate Fellowship	U.S. Environmental Protection Agency	9/1/2014	8/31/2016	\$34,000
Zondlo, Mark Andrew	AWD1004177	Grant	Quantifying Ammonia Emissions from Agriculture and Cities during DISCOVER-AQ	NASA Langley Research Center	10/1/2014	9/30/2016	\$50,000
Fitts, Jeffrey P.	AWD1004180	Grant	Geophysical and Mineralogical Controls on the Rheology of Fracture Slip and Seal Breaching	The Pennsylvania State University	10/1/2014	9/30/2016	\$265,741
Zondlo, Mark Andrew	AWD1004185	Grant	EAGER: Collaborative Research: Development of a New Technique to Measure Ecosystem-level Soil Nitrous Oxide Fluxes using Micrometeorological Towers	National Science Foundation	8/1/2014	7/31/2016	\$59,998
Wood, Eric F.	AWD1004186	Grant	Understanding the Role of Land-Atmospheric Coupling in Drought Forecast Skill for the 2011 and 2012 US Droughts	U.S. DOC - Natl Oceanic & Atmos Admin	8/1/2014	7/31/2017	\$317,000
Lin, Ning	AWD1004189	Contract	The Changing Climate of the Coastal Ocean: from Science to Solutions for the U.S. Northeast	Woods Hole Oceanographic Institute	6/1/2014	5/31/2017	\$45,950
Celia, Michael Anthony	AWD1004190	Grant	Multiscale Modeling of Carbon Dioxide Migration and Trapping in Fractured Reservoirs with Validation by Model Comparison and Real-Site Applications	DOE - Pittsburgh NETL	10/1/2014	9/30/2017	\$600,000
Sheffield, Justin	AWD1004206	Grant	Development of a Global Flood and Drought Catalogue for the 20th and Early 21st Centuries Based on Improved Assessment of the Global Terrestrial Water Cycle and its Extremes	U.S. DOC - Natl Oceanic & Atmos Admin	8/1/2014	7/31/2017	\$423,615
Koel, Bruce E.	AWD1004219	Grant	Fundamental Surface Science of PFCs for Improved Plasma Performance in NSTX-U	DOE - Washington	1/1/2015	12/31/2017	\$656,133
Sheffield, Justin	AWD1004222	Grant	Development of a Latin America and Caribbean Drought Monitor	Army Corps of Engineers	9/30/2014	9/29/2015	\$67,100
Priestley, Rodney D.	AWD1004227	Grant	PECASE: Characterization of Nanostructured Polymer Films	Air Force Office of Scientific Research	1/1/2015	12/31/2019	\$1,000,000
Sundaresan, Sankaran	AWD1004251	Contract	Liquid Transport and Agglomeration Tendency in Fluidized Beds	Syncrude Canada Ltd.	1/1/2015	12/31/2016	\$203,953
Sundaresan, Sankaran	AWD1004271	Contract	Carbon Capture Simulation Initiative (CCSI)	Battelle - Pacific Northwest Ntl Labs	11/15/2014	1/31/2016	\$150,000
Brynildsen, Mark Philip	AWD1004282	Grant	Career: Metabolic Engineering to Potentiate Immunity and Discover Novel Antivirulence Therapies	National Science Foundation	2/1/2015	1/31/2020	\$500,000

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<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Pan, Ming	AWD1004286	Grant	Deriving Global High Resolution Surface Runoff Fields from Space-borne Altimetry Measurements and Development of Precursor Product from River Gauges	NASA Shared Services Center	12/22/2014	12/21/2017	\$396,261
Koel, Bruce E.	AWD1004328	Contract	Evaluation of Synthesized Nanoparticles and Nanostructures, and Fundamental Lab-Based Studies of Synthesis Processes	Princeton Plasma Physics Laboratory	3/3/2015	9/30/2017	\$230,000
Koel, Bruce E.	AWD1004329	Contract	Fundamental Surface Science of Plasma Facing Components for Improved Plasma Performance in NSTX-AU	Princeton Plasma Physics Laboratory	3/3/2015	9/30/2015	\$140,000
Brynildsen, Mark Philip	AWD1004357	Grant	Investigating the Metabolic Mechanisms of Bacterial Persistence	Army Research Office	4/24/2015	4/23/2018	\$390,000
Jaffe, Peter R.	AWD1004369	Grant	Combined Biological and Electrochemical Treatment of Gaseous NO Emissions and Organic Waste Water from the Coking Process. Phase 1. Feasibility Study	Hebei Huafeng Coking & Power Co., Ltd	3/1/2015	5/30/2017	\$487,550
Brynildsen, Mark Philip	AWD1004377	Grant	Exploring Persister Antibiotic Responses as a Source of Biomarkers and Elimination Strategies	NIH NIAID	5/11/2015	4/30/2017	\$445,500
Koel, Bruce E.	AWD1004378	Grant	SusChEM: Insights into the Surface Chemistry of Water Oxidation on Pure and Modified Hematite Surfaces	National Science Foundation	6/1/2015	5/31/2018	\$498,223
Nelson, Celeste M.	AWD1004383	Grant	Genetic Investigation of Pulmonary Lymphatic Development and Function	University of Pennsylvania	9/1/2014	6/30/2016	\$60,176
Caylor, Kelly K.	AWD1004389	Contract	Mapping Agricultural Fields Across Sub-Saharan Africa	Cal Tech - Jet Propulsion Lab (JPL)	3/24/2015	9/27/2015	\$20,000
Loo, Yueh Lin	AWD1004390	Cooperative Agreement	FY 2015 Summer Undergraduate Research Fellowship for Jeffrey Register	Ntl Inst of Standards and Technology	5/1/2015	9/30/2015	\$5,500
Bourg, Ian Charles	AWD1004393	Grant	The Effect of Salinity on Geochemical Processes in Confined Aqueous Fluids	Lawrence Berkeley National Laboratory	5/8/2015	9/30/2017	\$369,165
Nelson, Celeste M.	AWD1004400	Grant	Biophysical and Biochemical Effects of the ECM on Breast Epithelial Cells	NIH NCI	6/1/2015	5/31/2020	\$2,103,345
Wood, Eric F.	AWD1004411	Grant	FORESEED - Forecasting to Reduce Socio-Economic Effects of Drought	Netherlands Org for Scientific Rsrch	6/1/2015	5/31/2017	\$146,203
Loo, Yueh Lin	AWD1004477	Grant	EAGER: Structural Development of Organometal Halide Perovskites for Thin-film Photovoltaics	National Science Foundation	9/1/2015	8/31/2017	\$100,000
Kevrekidis, Yannis George	AWD1004482	Grant	Collaborative Research: Unique Binding Geometries: Engineering and Modeling of Sticky Patches on Lipid Nanoparticles for Effective Targeting of Otherwise Untargetable Cells	National Science Foundation	8/1/2015	7/31/2018	\$225,722

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<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Zondlo, Mark Andrew	AWD1004483	Grant	Methane Observation Networks with Innovative Technology to Obtain Reductions (MONITOR)	Physical Sciences Inc.	4/24/2015	4/16/2018	\$432,975
Wood, Eric F.	AWD1004488	Grant	Assessing Phase 2 NMME (NMME-2) Forecasts for Improved Predictions of Drought and Water Management	U.S. DOC - Natl Oceanic & Atmos Admin	8/1/2015	7/31/2017	\$69,632
Scherer, George W.	AWD1004497	Contract	Marie Curie - Multi-functionalization of Hydroxyapatite for Restoration and Preventive Conservation of Marble Artwork - HAP4MARBLE	University of Bologna	9/1/2015	3/31/2017	\$11,000
Sheffield, Justin	AWD1004502	Grant	Process Orientated Metrics of Land Surface-atmospheric Interactions for Diagnosing Coupled Model Simulations of Land Surface Hydro-meteorological Extremes	U.S. DOC - Natl Oceanic & Atmos Admin	8/1/2015	7/31/2018	\$439,283
Lin, Ning	AWD1004514	Grant	Hazards SEES: An Integrated Approach to Risk Assessment and Management in Responding to Land Falling Hurricanes in a Changing Climate	National Science Foundation	9/1/2015	8/31/2019	\$2,734,526
Prud'homme, Robert Krafft	AWD1004539	Grant	Anti-HIV Colorectal Nanocarrier-based Foams for Mucosal Preeexposure Prophylaxis	Rutgers University - New Brunswick	2/1/2015	1/31/2017	\$390,811
Estes, Lyndon Despard	AWD1004541	Grant	Hazards SEES: Understanding Cross-scale Interactions of Trade and Food Policy to Improve Resilience to Drought Risk in Zambia	National Science Foundation	8/15/2015	7/31/2019	\$2,519,689
Wood, Eric F.	AWD1004552	Grant	Development of Pre-SWOT ESDRs for Global Surface Water Storage Dynamics	University of California at Los Angeles	6/11/2015	6/10/2017	\$731,841
Adriaenssens, Sigrid M.	AWD1004565	Grant	Adaptive Building Skin to Enhance Interior of Buildings	National Science Foundation	9/1/2015	8/31/2018	\$299,979
Loo, Yueh Lin	AWD1004572	Grant	Collaborative Research: Designing Functional Materials with Optimal Learning	National Science Foundation	1/1/2016	12/31/2018	\$249,999
Brangwynne, Clifford Paul	AWD1004587	Cooperative Agreement	Optogenetic Droplets: Using Light to Control Nucleoplasmic Phase Separation	NIH NIDA	9/1/2015	8/31/2018	\$677,894
Kevrekidis, Yannis George	AWD1004589	Grant	EAGER-DynamicData: Collaborative Research: Dynamically Data-driven Morphing of Parsimonious Models for the Description of Transient Dynamics in Complex Systems	National Science Foundation	9/15/2015	8/31/2017	\$75,000
Brynildsen, Mark Philip	AWD1004742	Grant	High-throughput Quantification of Persister Physiology at the Systems Level	NIH NIAID	2/15/2016	1/31/2018	\$430,166
Loo, Yueh Lin	AWD1004764	Grant	Electrical Response of MoS2 Transistors under Complex Strains	Oak Ridge Institute for Science & Educ	9/1/2015	8/31/2016	\$17,000
Nelson, Celeste M.	AWD1004772	Grant	Matrix Stiffness Regulates Multinucleation in Mammary Epithelial Cells	NJ Commission on Cancer Research	1/1/2016	12/31/2017	\$50,000

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<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Panagiotopoulos, Athanassios Z.	AWD1004782	Grant	Properties and Phase Equilibria for Product and Process Design (PPEPPD) International Conference, May 22 - 26, 2016 Porto , Portugal	National Science Foundation	5/1/2016	4/30/2017	\$22,000
Sundaresan, Sankaran	AWD1004783	Contract	Carbon Capture Simulation Initiative (CSI)	Lawrence Berkeley National Laboratory	3/17/2016	4/1/2017	\$200,000
Aksay, Ilhan A.	AWD1004802	Grant	DURIP: Acquisition of an Evolved Gas Analysis System for Materials and Propellant Applications	Air Force Office of Scientific Research	3/15/2016	3/14/2017	\$72,326
Elbaum, Shana	AWD1004811	Grant	From Physiological Liquids to Pathological Gels: Regulation of Protein Phase Separation in Neurodegenerative Disease	NIH NINDS	4/1/2016	3/31/2018	\$182,190
Brangwynne, Clifford Paul	AWD1004832	Cooperative Agreement	NIST SURF-Gaithersburg Program-Anushka Dasgupta	Ntl Inst of Standards and Technology	5/1/2016	9/30/2016	\$9,290
Prud'homme, Robert Krafft	AWD1004860	Grant	Flash Nano Precipitation as a Scalable Platform for Drug Development	Bill & Melinda Gates Foundation	5/25/2016	11/30/2017	\$1,476,726
Prud'homme, Robert Krafft	AWD1004863	Grant	Collaborative Researach: SuSchEM: Root-Targeted Delivery of Encapsulated Agrochemicals using Natural Microbial Carriers	National Science Foundation	6/1/2016	5/31/2019	\$111,056
Nelson, Celeste M.	AWD1004882	Grant	Interplay Between Matrix Stiffness, Hypoxia and Integrin-linked Kinase in the Regulation of Breast Cancer Stem Cell Niche	NJ Commission on Cancer Research	1/1/2016	12/31/2017	\$100,000
Koel, Bruce E.	AWD1004924	Contract	STTR Phase I: High Performace Carbon Materials and Fuels form Cold Plasma Catalysis of Natural Gas	NEI Corporation	6/13/2016	3/12/2017	\$60,000
Kevrekidis, Yannis George	AWD1005067	Cooperative Agreement	Multiscale Analysis of Trauma	University of Pennsylvania	5/1/2016	1/31/2017	\$50,993
Nelson, Celeste M.	CNV1000395	Grant	Biophysical Dynamics in the Regulation of Tissue Morphogenesis	The Burroughs Wellcome Fund	9/1/2007	12/31/2015	\$490,190
Nelson, Celeste M.	CNV1000630	Grant	Nelson Packard Fellowship for Science and Engineering	The David and Lucile Packard Foundation	11/1/2008	11/30/2017	\$875,000
Panagiotopoulos, Athanassios Z.	CNV1000836	Grant	Interactions, Phase Equilibria and Self-Assembly in Ionic Systems	DOE - Washington	9/1/2009	11/30/2018	\$1,262,325
Link, Aaron James	CNV1001044	Grant	CAREER: Probing the Limits of Affinity and Specificity in Apoptotic Protein Interactions	National Science Foundation	2/15/2010	1/31/2016	\$412,283
Priestley, Rodney D.	CNV1001298	Grant	Career: Formation of Stable Polymer Glasses	National Science Foundation	3/1/2011	2/29/2016	\$500,000
Loo, Yueh Lin	CNV1001311	Grant	Development of New Solution-Processable Electron Acceptors for Organic Photovoltaic Applications	Office of Naval Research	2/1/2011	9/30/2015	\$390,000
Prud'homme, Robert Krafft	CNV1001340	Grant	Multifunctional PEG Hydrogel Nano/Microparticles for Targeted Treatment of NSCLC	Rutgers University - New Brunswick	1/1/2011	12/31/2015	\$430,733

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<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Sundaresan, Sankaran	CNV1001449	Contract	Reactive Liquid Transport and Agglomeration Tendency in Fluidized Beds	Syncrude Canada Ltd.	7/1/2011	6/30/2016	\$337,500
Sundaresan, Sankaran	CNV1001547	Grant	AOI 1: Implementation and Refinement of a Comprehensive Model for Dense Granular Flows	DOE - Pittsburgh NETL	10/1/2011	9/30/2015	\$300,000
Weber, Stephanie Crane	CNV1001797	Grant	Mechanisms Controlling Cell and Body Size in the Nematode <i>Caenorhabditis Elegans</i>	Damon Runyon Cancer Research Foundation	7/1/2012	7/31/2015	\$160,334
Loo, Yueh Lin	CNV1001806	Cooperative Agreement	BASF-Understanding and Controlong Crystallization of our Semiconductors on Various Surfaces	BASF Corporation	6/1/2012	8/31/2016	\$300,000
Brangwynne, Clifford Paul	CNV1001856	Grant	Scaling Nucleolar Function for Cell Growth Control	Searle Scholars Program	7/1/2012	6/30/2016	\$300,000
Nelson, Celeste M.	CNV1001858	Grant	The Chemistry of Morphogenesis: Quantitative Analysis of Transcription Factor Kinetics Druing Tissue Development	The Camille and Henry Dreyfus Fdn., Inc.	7/1/2012	6/30/2017	\$75,000
Floudas, Christodoulos A.	CNV1001895	Grant	Novel Optimization Methods for Design, Synthesis, Supply Chain, and Uncertainty of Hybrid Biomass, Coal, and Natural Gas to Liquids, CBGTL, Processes	National Science Foundation	8/1/2012	7/31/2015	\$375,000
Brangwynne, Clifford Paul	CNV1001993	Grant	RNA Helicases in RNA/protein Body Assembly and Function: A Multi-Scale Approach	Human Frontier Science Prog Org (HFSP)	10/1/2012	9/30/2016	\$300,000
Debenedetti, Pablo Gaston	CNV1001997	Grant	Collaborative Research: Ordering Process in Water, Aqueous Solutions, and Water-Biomolecule Systems	National Science Foundation	9/1/2012	1/31/2016	\$450,000
Brynildsen, Mark Philip	CNV1002014	Grant	Investigating Metabolic Control of Persister Formation in Biofilms	Army Medical Rsrch Acquistion Activity	9/30/2012	9/29/2015	\$1,000,000
Brangwynne, Clifford Paul	CNV1002097	Grant	Cell Growth Control by Cell and Organelle Size-Dependent Ribosome Biogenesis	NIH NIGMS	9/30/2012	6/30/2017	\$2,415,000
Prud'homme, Robert Krafft	CNV1002162	Contract	Oncology Applications Combining Centyrin Antibody Scaffold with Flash Nanoprecipitation Nanoparticles	Janssen Research & Development, LLC	12/19/2012	12/31/2015	\$357,944
Aksay, Ilhan A.	CNV1002165	Grant	Smart Functional Nanoenergetic Materials	The Pennsylvania State University	11/1/2012	2/28/2017	\$2,058,332
Brynildsen, Mark Philip	CNV1002172	Grant	Aminoglycoside-Enabled Elucidation of Persister Metabolism	NIH NIAID	2/1/2013	1/31/2016	\$417,067
Priestley, Rodney D.	CNV1002534	Grant	Dynamics of Confined Polymer Liquids and Glasses Under Positive and Negative Pressures	American Chemical Society	6/1/2013	8/31/2015	\$100,000
Link, Aaron James	CNV1002535	Grant	Alfred P. Sloan Research Fellowship for Dr. A. James Link in Chemistry Biosynthesis, Discovery, and Engineering of Lasso Peptides	Alfred P. Sloan Foundation	9/15/2013	9/14/2017	\$50,000
Sundaresan, Sankaran	CNV1002536	Contract	Development of Practical Approaches to Modeling Fluid-Particle Flows	ExxonMobil Global Services Company	8/27/2013	1/31/2018	\$300,000
Debenedetti, Pablo Gaston	CNV1002537	Contract	Computational Investigations of Keratins for Improved Hair Product Formulations	Unilever R&D, Port Sunlight	10/1/2013	9/30/2016	\$312,961
Debenedetti, Pablo Gaston	CNV1002540	Grant	Computational Studies of Protein Powder Hydration Phenomena	National Science Foundation	7/15/2013	6/30/2016	\$245,965

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<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Koel, Bruce E.	CNV1002542	Grant	Collaborative Research: Fundamentals of Biomass Upgrading to Fuels and Chemicals Over Catalytic Bimetallic Nanoparticles	National Science Foundation	8/15/2013	7/31/2016	\$199,998
Kevrekidis, Yannis George	CNV1002543	Grant	Collaborative Research: The Integration of Data-Mining with Multiscale Engineering Computations	National Science Foundation	8/15/2013	1/31/2017	\$525,000
Brangwynne, Clifford Paul	CNV1002544	Grant	CAREER: Non-Equilibrium RNA/Protein Liquids and Intracellular Phase Transitions	National Science Foundation	9/15/2013	8/31/2018	\$700,000
Loo, Yueh Lin	CNV1002899	Grant	Ultimate Electronic Device Scaling Using Structurally Precise Graphene Nanoribbons	Cornell University	9/15/2013	8/31/2016	\$215,652
Koel, Bruce E.	CNV1002938	Grant	Reactions at Iron-enriched Mineral Interfaces and Implications for Catalytic Oxidation of Aqueous Contaminants	Texas Tech University	10/1/2013	9/30/2015	\$20,000
Koel, Bruce E.	CNV1002970	Grant	Fundamental Studies of Reactive Processes at Plasma-Surface Interfaces	Air Force Office of Scientific Research	3/1/2014	2/28/2017	\$1,725,250
Nelson, Celeste M.	CNV1002971	Grant	Exogenous Fluid Forces and Branching of the Mammalian Lung	NIH NHLBI	2/18/2014	1/31/2017	\$441,837
Panagiotopoulos, Athanassios Z.	CNV1002996	Grant	Development and Validation of Molecular-based Models for the Prediction of Thermodynamic and Transport Properties of CO ₂ -Brine Mixtures	Texas Engineering Experiment Station	11/1/2013	2/1/2017	\$383,329
Register, Richard Alan	CNV1003040	Grant	Melt-Miscible Polyethylene Block Copolymers	National Science Foundation	8/1/2014	7/31/2018	\$560,000
Brangwynne, Clifford Paul	CNV1003057	Grant	FG/RGG Mediated Nucleolar Assembly and its Impact on the Growth Dynamics of C. Elegans	Helen Hay Whitney Foundation	9/1/2014	9/1/2016	\$158,500
Priestley, Rodney D.	CNV1003143	Grant	Novel Nanoscale Studies, Processing and Discovery in Glassy Polymers	Alfred P. Sloan Foundation	9/15/2014	9/14/2018	\$50,000
Priestley, Rodney D.	CNV1003144	Grant	Physical Chemistry of Confined Polymers: Influence of Size and Processing Effect on Morphology and Properties	The Camille and Henry Dreyfus Fdn., Inc.	7/1/2014	6/30/2019	\$75,000
Register, Richard Alan	CNV1003149	Grant	Novel Block Copolymers (BCPs) for Butanol Pervaporation Membranes	Promerus LLC	4/15/2014	4/14/2017	\$150,000
Panagiotopoulos, Athanassios Z.	CNV1003222	Grant	Collaborative Research: Exploiting Void Symmetries to Control the Self-Assembly of Nanoparticles	National Science Foundation	9/1/2014	8/31/2017	\$230,000

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Seyedsayamdost, Mohammad R.	AWD1004014	Grant	Pew Scholars Program in the Biomedical Sciences	The Pew Charitable Trusts	8/1/2014	7/31/2019	\$240,006
Hecht, Michael H.	AWD1004031	Grant	Toward Artificial Proteomes	National Science Foundation	7/1/2014	6/30/2018	\$732,626
Seyedsayamdost, Mohammad R.	AWD1004032	Grant	Searching the Cryptic Metabolome for New Therapeutic Molecules	Searle Scholars Program	7/1/2014	6/30/2017	\$300,000
Barstow, Buz Michael	AWD1004075	Grant	Career Award at the Scientific Interface	The Burroughs Wellcome Fund	7/1/2014	6/30/2017	\$146,464
Chirik, Paul J.	AWD1004076	Grant	Base Metal Catalyzed Alkene Cycloadditions for Cyclobutane Synthesis	NIH NIGMS	8/1/2014	6/30/2016	\$101,862
Doyle, Abigail Gutmann	AWD1004077	Grant	Methods for Asymmetric Catalytic Fluorination of Diazo Compounds	NIH NIGMS	9/1/2014	8/31/2016	\$105,724
Cava, Robert Joseph	AWD1004093	Grant	Moore Synthesis Investigators	Gordon and Betty Moore Foundation	8/7/2014	8/6/2019	\$1,901,062
Ando, Nozomi	AWD1004105	Grant	Structural Characterizations of Transient and Heterogeneous Protein Complexes	NIH NIGMS	9/1/2014	7/31/2017	\$755,908
Knowles, Robert Randolph	AWD1004106	Grant	Fellowship: Faculty for the Future Program	Schlumberger Foundation	9/1/2014	8/31/2015	\$50,000
MacMillan, David W.C.	AWD1004136	Grant	Photoredox Catalysis in Organic Chemistry	NIH NIGMS	9/15/2014	5/31/2018	\$1,213,256
Hecht, Michael H.	AWD1004138	Grant	Computationally Designed Protein Libraries for the Selection of Novel Enzymes	NIH NIGMS	8/1/2014	7/31/2015	\$53,282
Knowles, Robert Randolph	AWD1004176	Contract	Mechanistic Elucidation for the Oxidation of a Indoline Hemiaminal: MK-8742	Merck & Co., Inc.	8/31/2014	8/31/2015	\$50,000
Rabitz, Herschel Albert	AWD1004244	Grant	Translational Development of Technologies Towards Improved Models of Quantum Computation, Analysis, Optimization, and Big Data	Massive Dynamics, LLC	12/20/2014	12/31/2017	\$953,913
Scholes, Gregory D.	AWD1004245	Grant	Photosynthetic Antenna Research Center (PARC)	Washington University	8/1/2014	7/31/2018	\$350,000
Knowles, Robert Randolph	AWD1004253	Grant	Proton-Coupled Electron Transfer in Organic Synthesis and Asymmetric Catalysis	NIH NIGMS	1/1/2015	12/31/2019	\$1,339,615
Chirik, Paul J.	AWD1004258	Grant	Identify Substrate Scope of the (H4-CNC)Fe(N2)2 Catalyst System To Promote Hydrogen Isotope Exchange	Merck & Co., Inc.	12/1/2014	12/31/2015	\$75,000
MacMillan, David W.C.	AWD1004276	Grant	New Activation Modes in Organocatalysis	NIH NIGMS	12/15/2014	11/30/2018	\$1,179,028
Groves, John Taylor	AWD1004294	Contract	Improving the Scope of Manganese-Porphyrin Catalyzed Direct Halogenation: Enabling the Late-Stage Installation of C-X Bonds	Merck & Co., Inc.	2/2/2015	2/1/2017	\$200,000
Scholes, Gregory D.	AWD1004354	Grant	Ultrafast Photo-induced Electronic and Nuclear Dynamics of Inorganic Chromophores: Fundamental Science to Applications in Energy Conversion	University of Toronto	7/1/2014	1/31/2018	\$607,978
Bocarsly, Andrew Bruce	AWD1004382	Grant	Structure and Dynamics in Heterogeneous Reactions	National Science Foundation	9/1/2015	8/31/2018	\$555,000

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Groves, John Taylor	AWD1004436	Grant	Metal-Oxo and Metal-Peroxo Intermediates in Oxidative Catalysis	National Science Foundation	6/15/2015	5/31/2019	\$800,000
Rabitz, Herschel Albert	AWD1004438	Grant	Altering the Course of Quantum Dynamics Phenomena	National Science Foundation	6/15/2015	5/31/2018	\$549,000
Bernasek, Steven L.	AWD1004439	Contract	Electrochemical Devices for Space-Based Sensor Applications	Utah State University Research Fdn	5/4/2015	11/16/2016	\$195,015
Groves, John Taylor	AWD1004441	Grant	Directing Metalloenzyme Movies	Arnold and Mabel Beckman Foundation	9/1/2015	6/30/2018	\$179,765
Rabitz, Herschel Albert	AWD1004473	Grant	Equipment for Optimal Dynamic Control of Multiple Quantum Systems	Army Research Office	8/15/2015	8/14/2017	\$357,729
MacMillan, David W.C.	AWD1004478	Contract	BMS Collaboration	Bristol-Myers Squibb Company	7/1/2015	6/30/2019	\$2,600,000
Muir, Thomas William	AWD1004500	Contract	Merck Nucleosome Collaboration	Merck & Co., Inc.	7/21/2015	7/20/2018	\$657,291
Knowles, Robert Randolph	AWD1004573	Grant	Fellowship: Faculty for the Future Program	Schlumberger Foundation	9/1/2015	8/31/2016	\$50,000
Doyle, Abigail Gutmann	AWD1004575	Grant	Electron-Deficient Olefins: New Ligands for Asymmetric Transition Metal Catalysis	NIH NIGMS	9/1/2015	8/31/2018	\$161,102
Rabitz, Herschel Albert	AWD1004640	Contract	Universal Operating Principle for Optimal Control in the Sciences (OptiSci) over Vast Length and Time Scales	The John Templeton Foundation	6/1/2015	5/31/2018	\$771,573
Carey, Jannette	AWD1004641	Grant	Innovation Corps Team: Commercial Feasibility of a Novel Strategy for Protein Dissection	National Science Foundation	10/15/2015	3/31/2016	\$50,000
Yang, Haw	AWD1004643	Contract	The Molecular Optical Deep-Cell Explorer: Beyond Imaging	Gordon and Betty Moore Foundation	10/1/2015	9/30/2018	\$2,324,831
Chirik, Paul J.	AWD1004644	Contract	Redox-Non Innocent Catalysts for Alkene-CO2 Couplings	SABIC Technology Center	10/1/2015	9/30/2017	\$467,238
Seyedsayamdost, Mohammad R.	AWD1004645	Grant	Implementing Innovative Approaches to Access the Hidden Metabolomes of Bacteria	NIH NIAID	9/30/2015	6/30/2020	\$2,344,925
Groves, John Taylor	AWD1004662	Contract	BMS/PU Collaboration (Groves Oncology)	Bristol-Myers Squibb Company	10/22/2015	10/21/2016	\$126,328
Rabitz, Herschel Albert	AWD1004678	Grant	Optimal Dynamic Control of Multiple Quantum Systems for Multiplexed Bio-network Analysis and Optogenetics	Army Research Office	12/1/2015	11/30/2020	\$800,000
Muir, Thomas William	AWD1004698	Grant	Oncohistones: Role of Histone H3 Mutations in the Oncogenesis of Pediatric Cancers	Rockefeller University	9/9/2015	8/31/2020	\$2,430,270
Chirik, Paul J.	AWD1004747	Grant	Toward Safe, Sustainable Chemical Synthesis: Iron-Catalyzed C-C and C-N Cross-Coupling	NIH NIGMS	2/4/2016	2/3/2018	\$110,412
Scholes, Gregory D.	AWD1004756	Grant	Bioinspired Solar Energy	Canadian Institute for Advanced Research	2/1/2016	1/31/2018	\$59,000
Rabitz, Herschel Albert	AWD1004757	Grant	Optimal Dynamic Discrimination of Similar Molecules Exploiting OFC Sources	Defense Advanced Research Projects Agency	2/15/2016	2/14/2018	\$990,000
Muir, Thomas William	AWD1004762	Grant	Epigenetic Mechanisms of Oncohistone Detoxification	NIH NCI	4/1/2016	3/31/2019	\$162,954

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MacMillan, David W.C.	AWD1004834	Grant	Princeton Chemistry Catalysis Center Funding	AbbVie Inc.	5/1/2016	4/30/2017	\$50,000
Doyle, Abigail Gutmann	AWD1004844	Grant	Methods for Late-Stage Nucleophilic Fluorination and Radiofluorination	National Science Foundation	5/1/2016	4/30/2019	\$450,000
MacMillan, David W.C.	AWD1004850	Grant	C-H Activation via Synergistic Catalysis	NIH NIGMS	6/1/2016	5/31/2018	\$110,412
Scholes, Gregory D.	AWD1004851	Contract	Quantum Coherences in Artificial Light-Harvesting Complexes	University of Adelaide	1/1/2016	12/31/2018	\$26,508
Scholes, Gregory D.	AWD1004853	Grant	Charge Transfer Resonance and Coherence in Solar Photochemistry	DOE - Washington	4/1/2016	3/31/2019	\$660,000
Cava, Robert Joseph	AWD1004881	Grant	MIP: Platform for the Accelerated Realization, Analysis, and Discovery of Interface Materials (Paradim)	Cornell University	3/1/2016	2/28/2021	\$650,000
Chirik, Paul J.	AWD1004929	Grant	Novel Polymer-Derived Carbide and Boride Refractory Ceramics	Triton Systems Inc.	6/7/2016	2/6/2017	\$50,000
Cava, Robert Joseph	CNV1000008	Grant	New Superconducting Materials	DOE - Chicago	9/1/1998	1/31/2017	\$3,192,414
Rabitz, Herschel Albert	CNV1000102	Grant	Control of Molecular Dynamics: Algorithms for Design and Implementation	DOE - Washington	9/1/2002	10/31/2017	\$1,939,999
MacMillan, David W.C.	CNV1000335	Grant	Merck Center for Catalysis at Princeton University	Merck & Co., Inc.	10/18/2006	10/17/2026	\$10,098,630
Cava, Robert Joseph	CNV1000639	Grant	Johns Hopkins University Institute for Quantum Matter	The Johns Hopkins University	9/1/2008	2/28/2017	\$1,475,141
Bocarsly, Andrew Bruce	CNV1000683	Contract	The Electrocatalyzed Conversion of CO2 Organic Products	Liquid Light	7/1/2009	7/25/2016	\$524,591
Groves, John Taylor	CNV1000869	Grant	Center for Catalytic Hydrocarbon Functionalization	University of Virginia	8/1/2009	7/31/2015	\$1,465,950
Bocarsly, Andrew Bruce	CNV1000876	Grant	Photoelectrochemical Conversion of Carbon Dioxide to Methanol and Higher Order Alcohols	DOE - Washington	9/1/2009	8/31/2017	\$1,325,000
Carey, Jannette	CNV1001086	Grant	REU Site: Summer Research in Molecular Biophysics	National Science Foundation	5/1/2010	10/31/2015	\$373,050
Rabitz, Herschel Albert	CNV1001202	Grant	Prediction of Molecular Regulatory Networks in Dental and Craniofacial Disease	NIH NIDCR	9/3/2010	8/31/2015	\$619,359
Bocarsly, Andrew Bruce	CNV1001292	Grant	MURI -- Novel Catalytic Mechanisms for the Chemical Reduction of Carbon Dioxide to Energy-Dense Liquids (Topic #11)	University of California at San Diego	10/1/2010	9/14/2016	\$2,486,375
Cava, Robert Joseph	CNV1001304	Grant	Cryogenic Peltier Cooling	Ohio State University	9/15/2010	9/14/2016	\$937,500
Chirik, Paul J.	CNV1001323	Grant	Non-precious Metal Catalyzed Hydrosilylation	Momentive Performance Materials Inc.	1/1/2011	9/30/2015	\$761,139
Rabitz, Herschel Albert	CNV1001480	Grant	Altering the Course of Quantum Dynamics Phenomena	National Science Foundation	8/15/2011	7/31/2015	\$501,000
Muir, Thomas William	CNV1001505	Grant	Peptide Autoinducers of Staphylococcal Pathogenicity	New York University	12/1/2010	3/31/2016	\$674,661
Chirik, Paul J.	CNV1001544	Grant	Understanding Nitrogen Fixation	DOE - Chicago	7/15/2011	8/14/2018	\$880,000

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Yang, Haw	CNV1001550	Grant	Development of Quantum Dot Probes for Studies of Synergy Between Components of the Wood-Degrading Fungal Secretomes	DOE - Chicago	9/1/2011	11/30/2015	\$1,832,316
Rabitz, Herschel Albert	CNV1001592	Contract	Parent: Aggressive Optimization and Resource Estimation of Next-Generation Quantum Computing System	University of Southern California	8/1/2011	7/31/2015	\$1,515,273
Rabitz, Herschel Albert	CNV1001670	Grant	Control of Quantum Open Systems:Theory and Experiment	University of Southern California	8/9/2011	11/8/2016	\$750,000
Doyle, Abigail Gutmann	CNV1001694	Grant	CAREER: New Reagents and Strategies for Catalytic Nucleophilic Fluorination	National Science Foundation	2/1/2012	1/31/2017	\$601,893
Selloni, Annabella	CNV1001700	Grant	Understanding Surfaces and Interfaces of Photocatalytic Oxide Materials with First Principles Theory and Simulations	DOE - Chicago	11/15/2011	8/31/2018	\$990,000
Doyle, Abigail Gutmann	CNV1001799	Grant	Sloan Research Fellowship	Alfred P. Sloan Foundation	9/15/2012	9/15/2015	\$50,000
Groves, John Taylor	CNV1001804	Grant	MERIT: Molecular Probes of the Mechanisms of Cytochrome P450	NIH NIGMS	6/1/2012	3/31/2017	\$1,879,779
Knowles, Robert Randolph	CNV1001833	Grant	Remodeling C-H Bonds: Selective Catalysis of Hydrogen Atom Transfer	American Chemical Society	9/1/2012	8/31/2015	\$100,000
Muir, Thomas William	CNV1001872	Grant	Structure, Function and Applications of Inteins	NIH NIGMS	8/1/2012	7/31/2017	\$2,626,250
Sorensen, Erik J.	CNV1001894	Grant	Seeking Efficiency and Innovation in Syntheses of Bioactive Compounds	NIH NIGMS	8/1/2012	7/31/2017	\$1,357,384
MacMillan, David W.C.	CNV1001897	Grant	Synergistic Catalysis for Chemical Synthesis	NIH NIGMS	8/1/2012	5/31/2016	\$1,317,371
Car, Roberto	CNV1002020	Grant	Predictive Computing for Condensed Matter	DOE - Chicago	9/1/2012	8/31/2017	\$749,998
Bocarsly, Andrew Bruce	CNV1002023	Grant	Structure and Dynamics in Heterogeneous Reactions	National Science Foundation	9/1/2012	8/31/2015	\$555,000
Chirik, Paul J.	CNV1002029	Contract	Chemical Studies Upon Families of Alpha-Diimine Compounds	Chevron Phillips Chemical Company	3/22/2012	12/13/2015	\$205,808
Cava, Robert Joseph	CNV1002062	Grant	The Physics of Surface States with Interactions Mediated by Bulk Properties, Defects and Surface Chemistry	Army Research Office	9/15/2012	4/14/2017	\$4,907,335
Sorensen, Erik J.	CNV1002098	Cooperative Agreement	CCI Center in Selective C-H Functionalization	Emory University	9/15/2012	8/31/2017	\$546,272
Chan, Garnet Kin-Lic	CNV1002120	Grant	Advanced Quantum Chemical Methods for Strong Correlation and Beyond	National Science Foundation	7/3/2012	6/30/2016	\$683,253
Chirik, Paul J.	CNV1002177	Grant	COLLABORATIVE RESEARCH: SusChem Workshop on Base Metal Catalysis	National Science Foundation	2/1/2013	1/31/2016	\$42,092
Chirik, Paul J.	CNV1002492	Contract	Base Metal Catalysis for Flavors and Fragrances	Firmenich SA	6/1/2013	5/31/2017	\$311,000
Doyle, Abigail Gutmann	CNV1002493	Grant	Transition Metal Catalysis for the Discovery and Development of Valuable Synthetic Methods	The Camille and Henry Dreyfus Fdn., Inc.	7/1/2013	6/30/2018	\$75,000

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Muir, Thomas William	CNV1002494	Contract	Discovery and Applications of Novel Inteins	Amgen, Inc.	4/1/2013	3/31/2016	\$177,534
Fiedler, Dorothea	CNV1002497	Grant	Understanding Phosphate Metabolism in Cancer and Metastasis	Rita Allen Foundation, Inc.	9/1/2013	8/31/2018	\$500,000
Doyle, Abigail Gutmann	CNV1002500	Grant	[18F] Synthesis Improvements for PET Supporting Translational R&D	Bristol-Myers Squibb Company	8/9/2013	8/8/2015	\$141,883
Chirik, Paul J.	CNV1002501	Grant	GOALI: SusChEM: An Industrial-Academic Collaboration for High Throughput Discovery of Base Metal Catalysts	National Science Foundation	7/1/2013	6/30/2016	\$477,000
Doyle, Abigail Gutmann	CNV1002504	Grant	Metal-Catalyzed Cross Coupling with N,O-Acetals and Acetals	NIH NIGMS	7/1/2013	3/31/2018	\$1,478,850
Rabitz, Herschel Albert	CNV1002505	Grant	RESEARCH AREA 7.1: Exploring the Systematics of Controlling Quantum Phenomena	Army Research Office	7/15/2013	7/14/2016	\$450,000
Chan, Garnet Kin-Lic	CNV1002507	Grant	Quantum Embedding for Correlated Electronic Structure in Large Systems and the Condensed	DOE - Chicago	9/1/2013	8/31/2016	\$465,000
Muir, Thomas William	CNV1002508	Grant	Development and Applications of 'Designer Chromatin'	NIH NIGMS	9/1/2013	4/30/2017	\$1,200,180
Bocarsly, Andrew Bruce	CNV1002509	Grant	SusChEM: A Mechanistic Approach to Understanding and Lowering the Overpotential for CO2 Reduction to C1 Organic Products	National Science Foundation	9/15/2013	8/31/2017	\$420,000
Seyedsayamdost, Mohammad R.	CNV1002747	Grant	Molecular Analysis of Metabolites and Signaling Networks in Microbial Symbioses	NIH NIGMS	3/1/2013	8/31/2016	\$746,560
Fiedler, Dorothea	CNV1002752	Grant	Understanding Phosphate Metabolism in Cancer and Metastasis	NIH NCI	9/30/2013	8/31/2015	\$2,427,500
MacMillan, David W.C.	CNV1002916	Grant	Beta Functionalization of Aldehydes and Ketones Using Photoredox Organocatalysis	NIH NIGMS	1/1/2014	6/8/2016	\$127,429
Chan, Garnet Kin-Lic	CNV1003031	Grant	Simons Collaboration on the Many Electron Problem - PI, Tensor Networks Group	The Simons Foundation	3/1/2014	6/30/2016	\$342,034
MacMillan, David W.C.	CNV1003059	Grant	PHOCATSORS Photoredox Catalysis for Sustainable Organic Synthesis	University of Edinburgh	4/1/2014	3/31/2016	\$50,347
Carey, Jannette	CNV1003065	Grant	REU Site: Molecular Biophysics	National Science Foundation	4/1/2014	3/31/2018	\$584,609
Rabitz, Herschel Albert	CNV1003077	Contract	Applicability of HDMR for Formulation Optimization for Small Molecules and Large Molecules	Janssen Research & Development, LLC	3/18/2014	3/18/2016	\$334,998
Doyle, Abigail Gutmann	CNV1003078	Contract	New Methods for Late-Stage Fluorination and Radiofluorination	Janssen Research & Development, LLC	4/14/2014	3/13/2016	\$218,350
Knowles, Robert Randolph	CNV1003119	Grant	Sloan Research Fellowship	Alfred P. Sloan Foundation	9/15/2014	9/15/2016	\$50,000
Chirik, Paul J.	CNV1003141	Grant	Modern Alchemy: Base Metal Catalyzed Cross Coupling for the Pharmaceutical Industry	American Chemical Society	6/1/2014	5/31/2017	\$100,000
Muir, Thomas William	CNV1003221	Grant	Mechanisms and Epigenetic Effectors of Cellular Reprogramming Factor Activity	NIH NIGMS	7/1/2014	6/30/2017	\$158,374

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Caylor, Kelly K.	AWD1004665	Contract	Mapping Agricultural Fields Across Sub-Saharan Africa	Cal Tech - Jet Propulsion Lab (JPL)	10/5/2015	9/25/2016	\$20,000
Sheffield, Justin	AWD1004666	Grant	International Symposium on Observations and Modeling of Land Surface Water and Energy Exchanges Across Scales: Learning from the Past and Looking to the Future	National Science Foundation	1/1/2016	12/31/2016	\$42,240
Smith, James A.	AWD1004586	Grant	Collaborative Research: Extreme Rainfall in Urban Environments	National Science Foundation	9/15/2015	8/31/2018	\$283,121
Scherer, George W.	AWD1004688	Contract	Microproportioning with Crushed Sand	Norwegian Univ of Science & Technology	10/1/2015	9/30/2020	\$24,000
Fitts, Jeffrey P.	AWD1004713	Grant	Area [3] Targeted Mineral Carbonation to Enhance Wellbore Integrity	University of Virginia	10/1/2015	9/30/2018	\$179,801
Bou Zeid, Elie R.	AWD1004815	Contract	Short Term Wind Forecasting for Energy Applications	HKF Technology	2/1/2016	1/31/2017	\$149,094
Wood, Eric F.	AWD1004827	Grant	Algorithm Development for SWOT River Discharge Retrievals	NASA Headquarters - Washington	4/4/2016	4/3/2020	\$654,374
Zondlo, Mark Andrew	AWD1004872	Contract	STTR Phase I: Compact Laser Hygrometer for In-situ Measurements of Water Vapor from Small Unmanned Vehicles	Physical Sciences Inc.	3/5/2016	11/21/2016	\$82,000
Garlock, Maria Eugenia Moreyra	CNV1001026	Grant	The Golden Gate Bridge As An Informal Science Education Resource	Consort Univ for Rsrch in Earthquake Eng	9/1/2009	8/31/2016	\$117,065
Smith, James A.	CNV1001210	Grant	Collaborative Research, WSC-Category 2: Regional Climate Variability and Patterns of Urban Development - Impacts on the Urban Water Cycle and Nutrient	National Science Foundation	1/1/2011	9/30/2016	\$1,375,182
Jaffe, Peter R.	CNV1001466	Grant	Collaborative Research: Controls Affecting Greenhouse Gas Fluxes in Restored and Natural Tidal Wetlands	National Science Foundation	9/1/2011	8/31/2015	\$203,334
Peters, Catherine Anne	CNV1001495	Grant	Collaborative Research: IDR: A Partnership for Multiscale Experimental Study of CO2 Leakage and Vertical Flow in Geologic Carbon Sequestration	National Science Foundation	10/1/2011	9/30/2015	\$546,488
Wood, Eric F.	CNV1001504	Grant	Improving land evaporative processes and land-atmosphere interactions in the NCEP Global Forecast System (GFS) and Climate Forecast System (CFS)	U.S. DOC - Natl Oceanic & Atmos Admin	9/1/2011	8/31/2016	\$308,016
Jaffe, Peter R.	CNV1001510	Grant	Volatilization Dynamics in Wetland Systems	National Science Foundation	9/1/2011	8/31/2016	\$310,404
Sheffield, Justin	CNV1001512	Grant	Quantification and Reduction of Uncertainties in Projections of Climate Impacts on Drought and Agriculture for North America	U.S. DOC - Natl Oceanic & Atmos Admin	9/1/2011	8/31/2015	\$254,246
Wood, Eric F.	CNV1001541	Grant	Advancing a Refined AMSR-E Soil Moisture Data Product	NASA Headquarters - Washington	9/1/2011	8/31/2015	\$375,000

Civil and Environmental Engineering (2)

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<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Caylor, Kelly K.	CNV1001567	Grant	Multiscale Effects of Fire on Long-term Climate and Precipitation	NASA Headquarters - Washington	8/22/2011	8/21/2015	\$313,159
Jaffe, Peter R.	CNV1001572	Grant	Fate of Uranium During Transport Across the Groundwater-Surface Water Interface	DOE - Chicago	9/15/2011	11/30/2016	\$692,600
Prud'homme, Robert Krafft	CNV1001600	Grant	The Science and Technology of Dispersants as Relevant to Deep-Sea Hydrocarbon Releases	Tulane University	10/1/2011	12/31/2015	\$444,000
Caylor, Kelly K.	CNV1001624	Grant	CNH: Institutional Dynamics of Adaptation to Climate Change: Longitudinal Analysis of Snowmelt-Dependent Agricultural Systems	Indiana University	9/1/2011	2/28/2016	\$438,044
Wood, Eric F.	CNV1001765	Contract	SMOS + Hydrology Study	Ghent University	9/9/2011	9/30/2015	\$65,807
Caylor, Kelly K.	CNV1001793	Grant	Collaborative Research: Quantifying the Ecosystem-wide Impacts of a Strong Interactor in African Watersheds	National Science Foundation	5/1/2012	4/30/2016	\$123,336
Glisic, Branko	CNV1001834	Grant	CAIT UTC Tier 1 Consortium led by Rutgers	Rutgers University - New Brunswick	1/1/2012	1/31/2016	\$255,810
Scherer, George W.	CNV1001867	Cooperative Agreement	Mechanisms of Hydration and Setting of Ordinary Portland Cement in Simple and Complex Systems	Federal Highway Admin (DOT/FHWA)	7/5/2012	6/30/2017	\$800,000
Wood, Eric F.	CNV1001971	Grant	A US National Multi-Model Ensemble ISI Prediction System	U.S. DOC - Natl Oceanic & Atmos Admin	8/1/2012	7/31/2015	\$239,700
Zondlo, Mark Andrew	CNV1002012	Grant	Validation of TES Ammonia Using an Open-path Quantum Cascade Laser Based Spectrometer	NASA Headquarters - Washington	9/1/2012	8/31/2015	\$90,000
Celia, Michael Anthony	CNV1002074	Cooperative Agreement	Area 4 Model Complexity and Choice of Model Approaches for Practical Simulations of CO2 Injection, Migration, Leakage, and Long-term Fate	DOE - Pittsburgh NETL	10/1/2012	9/30/2016	\$600,000
Peters, Catherine Anne	CNV1002108	Grant	Power in a Box: Shipping Sustainable Energy to Recovering and Off-the-Grid Communities	U.S. Environmental Protection Agency	8/15/2012	8/15/2015	\$90,000
Jaffe, Peter R.	CNV1002527	Grant	Impact Assessment of Climate Change on Water Quality in a Regional Scale using a Land Surface Model (I)	Konkuk University (South Korea)	6/27/2013	11/30/2015	\$255,218
Pan, Ming	CNV1002530	Grant	Developing a Statistical-physical Integrated Approach for Downscaling Hydrologic Information from GCM	Michigan State University	3/20/2013	3/19/2017	\$110,341
Scherer, George W.	CNV1002531	Grant	Optimization of Frost Protection	National Science Foundation	7/1/2013	6/30/2017	\$299,892
Estes, Lyndon Despard	CNV1002533	Grant	Evaluating the Performance of the Africa Drought Monitor at Basin Scales	Army Corps of Engineers	9/23/2013	9/22/2015	\$73,535
Wood, Eric F.	CNV1002847	Grant	Multi-Sensor Enhancement of Real-Time Satellite Precipitation Retrievals for Improved Drought	NASA Headquarters - Washington	2/11/2013	2/10/2017	\$436,685
Prevost, Jean-Herve	CNV1002850	Grant	Coupled Modeling of Hydration of Cement Binders and Durability of Concrete	LaFarge Corporation	9/3/2012	9/9/2017	\$257,946

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<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Prevost, Jean-Herve	CNV1002860	Grant	Coupled Modeling of Hydration of Cement Binders and Durability of Concrete	Ctr Scientifique et Tech du Bâtiment	9/3/2012	9/9/2017	\$171,964
Scherer, George W.	CNV1002873	Cooperative Agreement	Mechanisms of Hydration and Setting of Ordinary Portland Cement	Ntl Inst of Standards and Technology	6/1/2013	5/31/2016	\$214,000
Wood, Eric F.	CNV1002879	Grant	Ensemble Downscaling of Soil Moisture: Merging Remotely Sensed Precipitation and High Resolution Land Surface Information	Massachusetts Institute of Technology	3/19/2013	2/28/2016	\$209,991
Smith, James A.	CNV1002914	Grant	Data-based Hydrologic Validation of GPM Rainfall Products	University of Iowa	2/11/2013	2/10/2016	\$174,536
Sheffield, Justin	CNV1002918	Grant	Development of Consistent Global Long-Term Records of Atmospheric Evaporative Demand	NASA Headquarters - Washington	1/1/2014	12/31/2017	\$647,809
Fitts, Jeffrey P.	CNV1002936	Grant	Collaborative Research: IDR: A partnership for Multi-scale Experimental Study of CO2 Leakage and Vertical Flow in Geological Carbon Sequestration	University of Virginia	10/1/2013	9/30/2015	\$73,313
Jaffe, Peter R.	CNV1003106	Grant	The Role of Nutrients and Redox Fluctuations on Arsenic Dynamics and Bioaccumulation in Riparian Zones	Korea Inst of Geoscience & Mineral Rsrcs	3/1/2014	11/30/2016	\$185,411
Lin, Ning	CNV1003107	Contract	Hydrodynamic Modeling for Pacific Island-based Defense Installations	Woods Hole Oceanographic Institute	9/20/2013	9/19/2017	\$281,501
Zondlo, Mark Andrew	CNV1003108	Contract	Fast Nitrous Oxide Sensor for Continuous Flux Measurements	Southwest Sciences, Inc.	2/18/2014	1/17/2017	\$827,602
Glisic, Branko	CNV1003109	Grant	Arrangement of Sensors and Probability of Detection for Sensing Sheets Based on Large-Area Electronics for Reliable Structural Health Monitoring	Rutgers University - New Brunswick	9/30/2013	9/30/2017	\$187,754
Glisic, Branko	CNV1003122	Grant	Fiber Optic Method for Bridge Health Assessment Based on Long-Gauge Sensors	National Science Foundation	7/1/2014	6/30/2017	\$200,000
Brangwynne, Clifford Paul	CNV1003123	Grant	Alfred P. Sloan-Computational and Evolutionary Molecular Biology	Alfred P. Sloan Foundation	9/15/2014	9/14/2018	\$50,000
Jaffe, Peter R.	CNV1003142	Contract	NatureNet Science Fellowship	The Nature Conservancy	7/1/2014	7/31/2016	\$231,000
Wood, Eric F.	CNV1003235	Grant	Soil Moisture Cal/Val Activities as a SMAP Mission Science Team Member	NASA Headquarters - Washington	4/24/2014	4/23/2019	\$501,450

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Holmes, Brooke A.	CNV1003120	Grant	New Directions Fellowship	The Andrew W. Mellon Foundation	7/1/2014	6/30/2017	\$292,473

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Brooks, Peter P.	CNV1002869	Grant	Ethics of Reading and Cultures of Professionalism	Christian A. Johnson Endeavor Foundation	9/1/2013	1/31/2016	\$37,000

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Narayanan, Arvind	AWD1004023	Grant	TWC: Small: Addressing the Challenges of Cryptocurrencies: Security, Anonymity, Stability	National Science Foundation	7/1/2014	6/30/2017	\$500,000
August, David I.	AWD1004033	Grant	XPS: EXPL: CCA: A Framework for Portable Parallel Performance	National Science Foundation	8/1/2014	7/31/2017	\$300,000
Rusinkiewicz, Szymon M.	AWD1004041	Grant	RI: Small: Micro GPS: Localization using Visual Landmarks in Commonplace Texture	National Science Foundation	7/15/2014	6/30/2017	\$499,993
Rexford, Jennifer L.	AWD1004065	Grant	NeTS: Medium: Collaborative Research: A Software Defined Internet Exchange	National Science Foundation	10/1/2014	9/30/2017	\$350,000
August, David I.	AWD1004101	Grant	SaTC:STARSS: An Architecture for Restoring Trust in Our Personal Computing Systems	National Science Foundation	9/1/2014	8/31/2017	\$500,000
Chazelle, Bernard	AWD1004155	Grant	AF: Small: An Algorithmic Approach to Collective Behavior	National Science Foundation	9/1/2014	8/31/2017	\$420,000
Martin, Barbara Engelhardt	AWD1004242	Grant	Identification and Validation of Cell Specific eQTLs by Bayesian Modelin	University of Pennsylvania	9/1/2014	6/30/2016	\$218,217
Martin, Barbara Engelhardt	AWD1004299	Grant	Identification and Validation of Cell Specific eQTLs by Bayesian Modeling	University of Pennsylvania	9/1/2014	6/30/2017	\$227,233
Dvir, Zeev	AWD1004310	Grant	CAREER: New Algebraic Techniques for Line-Point Incidence Problems	National Science Foundation	3/15/2015	2/29/2020	\$481,354
Gupta, Aarti	AWD1004311	Grant	Verification Mentoring Workshop	National Science Foundation	4/1/2015	3/31/2016	\$30,000
Rexford, Jennifer L.	AWD1004312	Grant	AitF: FULL: Collaborative Research: Compact Data Structures for Traffic Measurement in Software-Defined Networks	National Science Foundation	9/1/2015	8/31/2019	\$360,000
Feamster, Nicholas G.	AWD1004315	Grant	NeTS: Medium: Collaborative Research: Optimizing Network Support for Cloud Services: From Short-Term Measurements to Long-Term Planning	National Science Foundation	1/16/2015	4/30/2017	\$400,278
Feamster, Nicholas G.	AWD1004316	Grant	CI-New: Collaborative Research: An Open Observatory for the Internet's Last Mile	National Science Foundation	1/16/2015	6/30/2017	\$372,393
Feamster, Nicholas G.	AWD1004319	Grant	NeTS: Medium: Collaborative Research: A Software Defined Internet Exchange	National Science Foundation	1/16/2015	9/30/2017	\$500,000
Martonosi, Margaret Rose	AWD1004325	Contract	COLUMBIA ESP: Embedded Scalable Platforms for Terascale - PHASE II	The Trustees of Columbia University	10/1/2014	3/31/2016	\$142,850
Feamster, Nicholas G.	AWD1004346	Grant	TC:Large: Collaborative Research:Facilitating Free and Open Access toInformation on the Internet	National Science Foundation	1/15/2015	8/31/2017	\$1,225,153
Feamster, Nicholas G.	AWD1004361	Grant	CI-New: Collaborative Research: An Open Platfrom for Internet Routing Experiments	National Science Foundation	1/16/2015	12/31/2017	\$51,164
Arora, Sanjeev	AWD1004416	Grant	Statistical and Computational Tradeoffs in High Dimensional Learning	Massachusetts Institute of Technology	2/1/2015	8/31/2016	\$102,000
Arora, Sanjeev	AWD1004421	Grant	AF: Small: Linear Algebra++ and Applications to Machine Learning	National Science Foundation	6/15/2015	5/31/2018	\$466,000

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Martin, Barbara Engelhardt	AWD1004467	Grant	Decoding and Reprogramming the Corticosteroid Transcriptional Regulatory Network	Duke University	1/1/2015	11/30/2015	\$35,000
Gupta, Aarti	AWD1004476	Grant	SHF: Small: Driving Learning for Program Verification	National Science Foundation	9/1/2015	8/31/2018	\$463,706
Dvir, Zeev	AWD1004511	Grant	AF:Small:New Techniques for Private Information Retrieval and Locally Decodable Codes	National Science Foundation	9/1/2015	8/31/2018	\$427,093
Martin, Barbara Engelhardt	AWD1004522	Grant	Statistical Models to Investigate Long Distance QTL Transcription Regulation	NIH NHGRI	9/1/2014	6/30/2016	\$247,199
Rusinkiewicz, Szymon M.	AWD1004523	Cooperative Agreement	Investigating Novel Geometric Representations for Computational Fabrication	Defense Advanced Research Projects Agency	7/27/2015	10/26/2016	\$399,163
Feamster, Nicholas G.	AWD1004525	Grant	NeTS: Small: Collaborative Research: Studying and Improving the Performance of Access Networks.	National Science Foundation	1/16/2015	9/30/2017	\$271,701
Braverman, Mark	AWD1004531	Grant	AF: Small: Noise Across Computational Settings	National Science Foundation	9/1/2015	8/31/2018	\$450,000
Hazan, Elad E.	AWD1004532	Grant	RI: SMALL: Efficient Projection-Free Algorithms for Optimization and Online Learning	National Science Foundation	9/1/2015	8/31/2018	\$500,000
Martonosi, Margaret Rose	AWD1004537	Grant	XPS: EXPL: CCA: Verification and Optimization Tools for Heterogeneous Memory Consistency Models	National Science Foundation	9/1/2015	8/31/2018	\$300,000
Narayanan, Arvind	AWD1004545	Grant	TWC: Small: Ending the Web Privacy Arms Race: Threat Detection, Measurement and Response	National Science Foundation	7/1/2015	6/30/2018	\$500,000
Bavier, Andrew Charles	AWD1004570	Grant	CC*DNI DIBBs: Give Your Data the Edge: A Scalable Data Delivery Platform	University of Arizona	9/1/2015	8/31/2019	\$811,939
Funkhouser, Thomas Allen	AWD1004581	Grant	VEC: Small: Collaborative Research: Scene Understanding from RGB-D Images	National Science Foundation	9/1/2015	8/31/2018	\$135,000
Feamster, Nicholas G.	AWD1004610	Grant	TWC SBE: TTP Option: Medium: Collaborative: EPICA: Empowering People to Overcome Information Controls and Attacks	Georgia Institute of Technology	1/1/2015	5/31/2017	\$207,037
Feamster, Nicholas G.	AWD1004685	Grant	TWC: TTP Option: Large: Collaborative: Towards a Science of Censorship Resistance	National Science Foundation	9/1/2015	8/31/2019	\$400,000
Singh, Mona	AWD1004689	Grant	Student Support for RECOMB 2016	National Science Foundation	2/1/2016	1/31/2017	\$15,000
Appel, Andrew Wilson	AWD1004700	Grant	Collaborative Research: Expeditions in Computing: The Science of Deep Specification	National Science Foundation	12/15/2015	11/30/2020	\$3,453,419
Martin, Barbara Engelhardt	AWD1004725	Cooperative Agreement	Decoding and Reprogramming the Corticosteroid Transcriptional Regulatory Network	Duke University	12/1/2015	11/30/2016	\$64,944
Arora, Sanjeev	AWD1004777	Grant	Unsupervised Learning with Provable Guarantees	Office of Naval Research	4/1/2016	3/31/2019	\$430,000
Gupta, Aarti	AWD1004800	Grant	Verification Mentoring Workshop II	National Science Foundation	4/1/2016	3/31/2017	\$30,600

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Feamster, Nicholas G.	AWD1005005	Grant	Detecting Abnormal Activity on the Internet of Things with Real Time Outlier Detection	UC Berkeley Fdn. and Siebel Energy Inst.	4/21/2016	10/31/2017	\$50,000
Peterson, Larry L.	CNV1000203	Cooperative Agreement	Planet Lab Memebership Agreement - Income Account	PlanetLab	9/1/2003	8/31/2020	\$3,180,000
Peterson, Larry L.	CNV1001050	Grant	CI-ADDO-EN: Scaling, Diversifying and Enriching Planet Lab	National Science Foundation	7/1/2010	12/31/2016	\$2,194,652
Freedman, Michael Joseph	CNV1001107	Grant	CAREER: Towards Scalable Datacenter Services with Strong Robustness Guarantees	National Science Foundation	7/1/2010	6/30/2017	\$529,306
Chazelle, Bernard	CNV1001173	Grant	AF: Small: New Directions in Computational Geometry	National Science Foundation	9/1/2010	8/31/2015	\$347,968
Rusinkiewicz, Szymon M.	CNV1001181	Grant	HCC: Large: Collaborative Research: Beyond Flat Images: Acquiring, Processing, and Fabricating Visually Rich Material Appearance	National Science Foundation	9/1/2010	8/31/2015	\$498,105
August, David I.	CNV1001205	Grant	SI2-SSI: Accelerating the Pace of Research through Implicitly Parallel Programming	National Science Foundation	10/1/2010	3/31/2016	\$1,740,214
Freedman, Michael Joseph	CNV1001385	Grant	Alfred P. Sloan Research Fellowship for Dr. Michael J. Freedman in Computer Science	Alfred P. Sloan Foundation	9/15/2011	9/15/2015	\$50,000
Finkelstein, Adam	CNV1001394	Grant	Scalable Topic Modeling: Online Learning, Diagnostics and Recommendation	Office of Naval Research	6/1/2011	5/31/2016	\$509,992
Martonosi, Margaret Rose	CNV1001434	Grant	SHF: Small: Collaborative Research: Tailoring Memory Accesses and Communication in Heterogeneous Multiprocessors: Power and Performance Opportunities	National Science Foundation	9/1/2011	8/31/2016	\$225,000
Arora, Sanjeev	CNV1001444	Grant	AF: Small: Expansion, Unique Games, and Efficient Algorithms	National Science Foundation	9/1/2011	8/31/2015	\$458,000
Walker, David P.	CNV1001490	Grant	TC: Large: Collaborative Research: High-Level Language Support for Trustworthy Networks	National Science Foundation	8/1/2011	7/31/2016	\$1,400,000
Martonosi, Margaret Rose	CNV1001529	Grant	CPS: Medium: Collaborative Research: Efficient Mapping and Management of Applications onto Cyber-Physical Systems	National Science Foundation	9/1/2011	8/31/2016	\$392,011
Freedman, Michael Joseph	CNV1001558	Grant	Adaptive Network Architecture for Dynamic End-Points and Distributed Systems	Defense Advanced Research Projects Agency	9/5/2011	9/4/2016	\$750,000
Rexford, Jennifer L.	CNV1001629	Grant	DARPA Cloud Computing	University of IL at Urbana-Champaign	9/19/2011	9/18/2015	\$1,200,000
Braverman, Mark	CNV1001679	Grant	CAREER: Coding and Information Theory for Interactive Computing	National Science Foundation	1/15/2012	12/31/2016	\$450,000
Rexford, Jennifer L.	CNV1001763	Grant	NeTS: Medium: Collaborative Research: Optimizing Network Support for Cloud Services: From Short-Term Measurements to Long-Term Planning	National Science Foundation	5/1/2012	4/30/2017	\$600,000

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Arora, Sanjeev	CNV1001852	Grant	Simons Investigator Award for Sanjeev Arora	The Simons Foundation	8/1/2012	7/31/2017	\$660,000
Dvir, Zeev	CNV1001891	Grant	AF: Small: Randomness in Computation - New Directions and Techniques	National Science Foundation	8/1/2012	12/31/2015	\$446,974
Charikar, Moses Samson	CNV1001911	Grant	AF: Small: Approximation Techniques for Combinatorial Optimization	National Science Foundation	8/1/2012	7/31/2015	\$269,382
Appel, Andrew Wilson	CNV1001912	Cooperative Agreement	CARS: A Platform for Scaling Formal Verification to Component-Based Vehicular Software Stacks	Air Force Research Laboratory (Rome)	8/3/2012	5/3/2017	\$6,108,346
Freedman, Michael Joseph	CNV1001938	Grant	TC: Large: Collaborative Research: Facilitating Free and Open Access to Information on the Internet	National Science Foundation	9/1/2012	8/31/2017	\$750,000
Pai, Vivek S.	CNV1001977	Grant	CSR: Small: Rethinking the OS/Network Boundary	National Science Foundation	9/1/2012	8/31/2015	\$494,353
Braverman, Mark	CNV1001980	Grant	ICES: Small: Collaborative Research: Data-driven mechanisms inhealthcare	National Science Foundation	9/1/2012	8/31/2015	\$183,298
Rexford, Jennifer L.	CNV1002167	Grant	EARS: SAVANT - High Performance Dynamic Spectrum Access via Inter Network Collaboration	Rutgers University - New Brunswick	1/1/2013	12/31/2015	\$150,000
August, David I.	CNV1002196	Contract	PRACTICE: Power Reducing Adaptive Comuting Technologies Intelligent Cross layer and Efficient	BAE Systems, Inc.	1/7/2013	10/15/2015	\$246,507
Martonosi, Margaret Rose	CNV1002559	Contract	COLUMBIA ESP: Embedded Scalable Platforms for Terascale Energy-Efficient Computing	The Trustees of Columbia University	1/4/2013	7/3/2018	\$835,009
Arora, Sanjeev	CNV1002560	Grant	AF: Medium: Towards Provable Bounds for Machine Learning	National Science Foundation	9/1/2013	8/31/2017	\$900,000
Funkhouser, Thomas Allen	CNV1002561	Grant	BIGDATA: SMALL: DA: Semantic Modeling of Cities from Scanned Data	National Science Foundation	8/1/2013	7/31/2017	\$600,000
Peterson, Larry L.	CNV1002562	Grant	EAGER: Unifying Abstractions for OpenCloud -- Supporting a Diverse User Community	National Science Foundation	8/1/2013	7/31/2015	\$300,000
Freedman, Michael Joseph	CNV1002563	Grant	BIGDATA: Small: DCM: JetStream: A Flexible Distributed System for Online and In-Place Data	National Science Foundation	9/15/2013	8/31/2017	\$700,000
Braverman, Mark	CNV1002896	Grant	Packard Foundation - Braverman	The David and Lucile Packard Foundation	10/15/2013	10/14/2018	\$875,000
Finkelstein, Adam	CNV1002897	Cooperative Agreement	The Next Generation of Probabilistic Programming: Massive Data, Data Streams, and Model Diagnostics	Defense Advanced Research Projects Agency	10/22/2013	8/21/2017	\$1,820,000
Charikar, Moses Samson	CNV1003124	Grant	Simons 2014 Charikar	The Simons Foundation	8/1/2014	7/31/2015	\$192,926
Braverman, Mark	CNV1003125	Grant	Simons 2014 Braverman	The Simons Foundation	8/1/2014	7/31/2018	\$440,000
Arora, Sanjeev	CNV1003126	Grant	Simons 2014 Arora	The Simons Foundation	8/1/2014	7/31/2018	\$549,568
Braverman, Mark	CNV1003127	Grant	Simons GARG	The Simons Foundation	6/1/2014	5/31/2016	\$46,000
Arora, Sanjeev	CNV1003129	Grant	Simons Tengyu Ma	The Simons Foundation	6/1/2014	5/31/2016	\$46,000
Charikar, Moses Samson	CNV1003224	Grant	Simons Investigator Award for Moses Charikar	The Simons Foundation	8/1/2014	7/31/2015	\$37,980

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Appel, Andrew Wilson	CNV1003256	Grant	SHF: Medium: Collaborative Research: Principled Optimizing Compilation of Dependently Typed Languages	National Science Foundation	7/1/2014	6/30/2017	\$600,000

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Herschbach, Lisa M.	CNV1000231	Grant	Community Colleges Partnership Agreement	Princeton University	7/1/2006	6/30/2016	\$232,500
Catena, Anne N.	AWD1004375	Grant	FY 15 Common Core Academy	Rider University	10/1/2014	8/31/2015	\$86,715
Campisano, Christopher John	AWD1004735	Grant	New Jersey Scholarship and Transformative Education in Prisons (NJ STEP)	Rutgers University - New Brunswick	7/1/2015	12/31/2016	\$30,000
Catena, Anne N.	AWD1004753	Grant	Teachers as Leaders and Learners	Rider University	9/1/2015	7/31/2016	\$37,961

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Elman, Benjamin A.	CNV1001350	Grant	Mellon Distinguished Achievement Award	The Andrew W. Mellon Foundation	7/1/2011	6/30/2017	\$1,502,917
Teiser, Stephen F.	CNV1000436	Grant	National Consortium for Teaching About Asia Seminar	Freeman Foundation	9/1/2008	6/30/2017	\$252,045

Ecology & Evolutionary Biology

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Levin, Simon Asher	AWD1004044	Grant	Coastal SEES Collaborative Research: Adaptations of Fish and Fishing Communities to Rapid Climate Change	National Science Foundation	9/1/2014	8/31/2018	\$135,442
Levin, Simon Asher	AWD1004069	Contract	Green Growth based on Marine Resources: Ecological and Socio-Economic Constraints	University of Oslo	4/1/2014	3/31/2017	\$291,076
Couzin, Iain D.	AWD1004090	Grant	IOS: Sensory Networks and Collective Information Processing in Animal Groups	National Science Foundation	8/1/2014	7/31/2017	\$325,000
Landweber, Laura Faye	AWD1004120	Grant	Molecular Mechanisms and Epigenetic Control of Beneficial Transposons: Lessons from Ciliates	Human Frontier Science Prog Org (HFSP)	8/1/2014	7/31/2017	\$375,000
Levin, Simon Asher	AWD1004173	Grant	Robustness and Adaptability in Complex Biological Systems	Army Research Office	9/1/2014	7/31/2017	\$360,000
McBride, Carolyn Sarah	AWD1004203	Grant	Genetic Analysis of Mosquito Olfactory Preference for Humans	NIH NIDCD	9/1/2014	8/31/2017	\$738,063
Rubenstein, Daniel Ian	AWD1004208	Grant	Collaborative Research: EAGER: Prototype of an Image-Based Ecological Information System (IBEIS)	National Science Foundation	9/1/2014	8/31/2017	\$88,928
Rubenstein, Daniel Ian	AWD1004235	Grant	NatureNet Science Fellows Program for Megan McSherry	The Nature Conservancy	10/1/2014	9/30/2016	\$231,000
Rubenstein, Daniel Ian	AWD1004267	Grant	Dynamic Network Analysis of Gelada Herding and Movement	L.S.B. Leakey Foundation	1/1/2015	12/1/2016	\$24,670
Levin, Simon Asher	AWD1004305	Contract	NMFS-Sea Grant Population and Ecosystem Dynamics Graduate Fellowship: Assessing the Impacts of Connectivity on Coral Reef Metacommunity Dynamics in the Coral Triangle	New Jersey Sea Grant Extension Program	6/1/2014	5/31/2017	\$96,249
Dobson, Andrew P.	AWD1004313	Grant	Princeton-NFWF Program in Conservation Biology	The National Fish and Wildlife Fdn	2/1/2015	1/31/2016	\$100,000
Pringle, Robert Mitchell	AWD1004350	Grant	Dissertation Research: Testing the Effects of Large Mammalian Herbivores on Savanna Dynamics and Community Structure with Regional and Continent-Scale Natural Experiments	National Science Foundation	6/1/2015	9/30/2016	\$15,144
Tarnita, Corina E.	AWD1004364	Grant	Alfred P. Sloan Research Fellowship for Dr. Corina Tarnita in Computational & Evolutionary Molecular Biology	Alfred P. Sloan Foundation	9/15/2015	9/14/2017	\$50,000
Pringle, Robert Mitchell	AWD1004387	Grant	Predation, Competition, and Establishment Dynamics within an Insular Adaptive Radiation	National Science Foundation	5/1/2015	4/30/2019	\$882,925
Dobson, Andrew P.	AWD1004394	Contract	Quantitative Analysis and Modelling to Support the Achievement of the 2020 Goals for Leprosy	University of Warwick	10/23/2014	12/31/2017	\$388,550
vonHoldt, Bridgett Marie	AWD1004418	Grant	A Temporal Assessment of Genetic Ancestry in the Endangered Red Wolf (<i>Canis rufus</i>) throughout their Recovery in Relation to other <i>Canis</i> in the Eastern U.S.	Point Defiance Zoo & Aquarium	5/1/2015	3/31/2017	\$6,680

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Wilcove, David S.	AWD1004422	Grant	Dissertation Research: Disentangling Drivers of Community Structure and Composition of a Tropical Forest	National Science Foundation	6/1/2015	5/31/2017	\$16,277
Levin, Simon Asher	AWD1004429	Grant	Dissertation Research: Apparent Competition or Anthropogenic Over-harvest: Hunting in a Multi-species Context and its Impact on Species Extinctions in Tropical East Asia	National Science Foundation	6/1/2015	5/31/2017	\$16,336
Pringle, Robert Mitchell	AWD1004430	Grant	NatureNet Science Fellows Program for Tyler Kratzinal	The Nature Conservancy	6/1/2015	5/31/2017	\$231,000
McBride, Carolyn Sarah	AWD1004451	Grant	Using Evolution to Decode the Genetic and Neural Basis of Mosquito Preference for Human Odor	The Pew Charitable Trusts	8/1/2015	7/31/2020	\$240,000
McBride, Carolyn Sarah	AWD1004492	Grant	Using Evolution to Decode the Genetic and Neural Basis of Preference for Human Odor	Esther A. & Joseph Klingenstein Fund	7/1/2015	6/30/2018	\$225,000
Rubenstein, Daniel Ian	AWD1004540	Grant	EAGER-NEON: IBEIS: Combining Computer Vision and Mark-Recapture Data for NEON	National Science Foundation	9/1/2015	8/31/2017	\$50,000
vonHoldt, Bridgett Marie	AWD1004619	Grant	The Population Genomics of the Reintroduced Yellowstone Wolves	Yellowstone Park Foundation	10/1/2015	9/30/2016	\$12,000
vonHoldt, Bridgett Marie	AWD1004639	Grant	A Temporal Assessment of Genetic Ancestry in the Endangered Red Wolf (<i>Canis rufus</i>) Throughout their Recovery in Relation to other <i>Canis</i> in the Eastern U.S.	Point Defiance Zoo & Aquarium	10/1/2015	9/30/2016	\$8,000
Graham, Andrea Linn	AWD1004654	Grant	DISSERTATION RESEARCH: The Effects of Multi-Species Interactions on the Community Structure of Parasites	National Science Foundation	6/15/2015	5/31/2017	\$16,293
McBride, Carolyn Sarah	AWD1004704	Grant	Using Evolution to Decode the Genetic and Neural Basis of Mosquito Preference for Human Odor	Peter Gruber Foundation	1/1/2016	12/31/2018	\$75,000
Pringle, Robert Mitchell	AWD1004779	Grant	DISSERTATION RESEARCH: Plant Defenses in African Savannas: Testing the Effects of Induced and Associational Defenses on Plant Phenotype, Fitness and Diversity	National Science Foundation	6/1/2016	5/31/2018	\$16,380
Dobson, Andrew P.	AWD1004790	Grant	Dissertation Research: Within-host Seasonal Drivers of Pathogen Dynamics in a Fruit Bat Reservoir	National Science Foundation	6/1/2016	5/31/2017	\$16,301
Grenfell, Bryan T.	AWD1004904	Contract	Exploring Predictive Models for Improving Influenza Vaccine Virus Selection	World Health Organization	6/28/2016	7/22/2016	\$18,490
Graham, Andrea Linn	AWD1005099	Grant	Characterization of Deer Mouse Disease Space for Sin Nombre Virus	Stanford University	6/16/2016	12/15/2017	\$238,971
Grenfell, Bryan T.	AWD1005102	Contract	Modeling the Risk of Measles Outbreaks and the Effectiveness of Public Health Response Strategies in the United States	Centers for Disease Control & Prevention	8/31/2015	6/30/2017	\$147,000

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Altmann, Jeanne	CNV1001029	Grant	Mechanisms and Consequences of Social Connectedness in a Wild Primate Population	Duke University	9/15/2009	8/31/2015	\$844,821
Altmann, Jeanne	CNV1001030	Grant	Sex Differences in Health and Survival in a Wild Primate Population	Duke University	9/30/2009	8/31/2015	\$349,642
Levin, Simon Asher	CNV1001212	Grant	Dimensions: Collaborative Research: Biological Controls on the Ocean C:N:P Ratios	National Science Foundation	1/1/2011	9/30/2016	\$498,848
Dobson, Andrew P.	CNV1001452	Grant	Collaborative Research: Modeling Infectious Diseases: How Much Ecological Complexity Must We Address?	National Science Foundation	8/1/2011	7/31/2017	\$350,469
Levin, Simon Asher	CNV1001481	Grant	The Evolution of Incentives and Social Structure Under Imperfect Information	National Science Foundation	9/1/2011	8/31/2015	\$733,626
Levin, Simon Asher	CNV1001704	Grant	Modeling Anthropogenic Effects in the Spread of Infectious Diseases	Arizona State University	9/15/2011	6/30/2016	\$89,995
Levin, Simon Asher	CNV1002006	Grant	CNH: Social-Ecological Complexity and Adaptation in Marine Systems	National Science Foundation	9/1/2012	8/31/2017	\$1,498,903
Dobson, Andrew P.	CNV1002100	Cooperative Agreement	Ecological Drivers of Virulence Evolution in an Emerging Avian Pathogen.	Virginia Polytechnic Inst & State Univ	9/15/2012	8/31/2016	\$295,084
Rubenstein, Daniel Ian	CNV1002138	Grant	CREATIV: Mingle: Sensing the Social Interactions of Animals	University of Illinois at Chicago	9/1/2012	8/15/2017	\$85,691
Rubenstein, Daniel Ian	CNV1002484	Grant	Smart Livestock Off-take Strategies: Enhancing Pastoral Livelihoods and Environmental Conservation in Northern Kenyan Rangelands	The Nature Conservancy	2/1/2013	7/30/2015	\$133,500
Landweber, Laura Faye	CNV1002487	Grant	Understanding Complex Gene Editing Systems in Protists	NIH NIGMS	9/5/2013	6/30/2016	\$1,009,814
Andolfatto, Peter	CNV1002488	Grant	Collaborative Research: Physiological Genomics of Color Vision in Butterflies	National Science Foundation	5/15/2013	4/30/2016	\$88,240
Landweber, Laura Faye	CNV1002490	Grant	RNA-guided Genome Rearrangement: Experiments Coupled with Discrete Models	University of South Florida	9/1/2013	6/30/2018	\$1,202,085
Hedin, Lars O.	CNV1002876	Contract	NatureNet Science Fellows Program	The Nature Conservancy	2/1/2013	9/30/2015	\$231,000
Levin, Simon Asher	CNV1003114	Grant	In Support of the Postdoctoral Fellow's Salary, Fringe Benefits and Research Plan	James S. McDonnell Foundation	9/1/2014	8/31/2016	\$200,000
Graham, Andrea Linn	CNV1003115	Grant	RCN: Infectious Disease Evolution Across Scales	National Science Foundation	7/1/2014	6/30/2019	\$499,916
Tarnita, Corina E.	CNV1003117	Grant	Collaborative Research: DEB: Causes and Consequences of Regular Spatial Patterning in Foundation Species: Theoretical Development and Experimental Tests in an African Savanna	National Science Foundation	11/1/2014	10/31/2017	\$379,998
Metcalf, Charlotte Jessica Eland	CNV1003148	Grant	Models to Support Decision Making for Measles and Rubella Vaccination Planning	The Pennsylvania State University	10/18/2013	6/3/2018	\$677,195

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Hedin, Lars O.	CNV1003158	Grant	DISSERTATION RESEARCH: Biogeochemical controls of Mo and P availability for N2-fixing Trees Across the Amazon Basin	National Science Foundation	6/1/2014	5/31/2016	\$20,741
Andolfatto, Peter	CNV1003251	Grant	DISSERTATION RESEARCH: The Origin and Evolution of a Sexually Selected Trait	National Science Foundation	6/1/2014	5/31/2016	\$20,937

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Kalouptside, Myrto	AWD1004011	Grant	Detection and Impact of Industrial Subsidies: the Case of World Shipbuilding	National Science Foundation	7/15/2014	6/30/2016	\$141,357
Pesendorfer, Wolfgang	AWD1004039	Grant	Risk, Ambiguity and Dynamic Choice	National Science Foundation	8/1/2014	7/31/2017	\$380,526
Brunnermeier, Markus Konrad	AWD1004191	Grant	Princeton Initiative: Macro, Money and Finance Workshops	Alfred P. Sloan Foundation	9/1/2014	8/31/2016	\$115,000
Evdokimov, Kirill	AWD1004370	Grant	New Econometric Approaches to Models with Unobserved Heterogeneity	National Science Foundation	4/15/2015	3/31/2018	\$239,964
Kaplan, Greg Warren	AWD1004376	Grant	Sloan Research Fellowship -- Greg W. Kaplan	Alfred P. Sloan Foundation	9/15/2015	4/30/2016	\$22,467
Morris, Stephen E.	AWD1004408	Grant	Collaborative Research: Information, Markets and Networks	National Science Foundation	9/1/2015	8/31/2018	\$216,861
Kastl, Jakob	AWD1004419	Grant	Alfred P. Sloan Research Fellowship for Dr. Jakob Kastl	Alfred P. Sloan Foundation	5/15/2015	9/14/2016	\$24,755
Kastl, Jakob	AWD1004437	Grant	Empirical Analysis of Auction Markets: Liquidity, Electricity, and Information Structure	National Science Foundation	1/1/2015	7/31/2016	\$35,725
Abreu, Dilip J.	AWD1004503	Grant	Collaborative Research: New Algorithms for Computing Equilibria of Stochastic Games	National Science Foundation	8/1/2015	7/31/2018	\$395,410
Honore, Bo E.	AWD1004509	Grant	Issues in Estimation of Structural Economic Models	National Science Foundation	8/1/2015	7/31/2018	\$227,187
Oberfield, Ezra Danis	AWD1004561	Grant	Substitution and the Skill Premium	Washington Center for Equitable Growth	9/1/2015	2/28/2017	\$25,000
Currie, Janet Marion	AWD1004601	Grant	The Undergraduate Women in Economics Challenge	National Bureau of Economic Research	5/1/2015	6/30/2020	\$12,500
Aguiar, Mark A.	AWD1004684	Grant	Women's Entrepreneurship and Rent Sharing: Can Female Entrepreneurs Help Close the Gender Income Gap?	Ewing Marion Kauffman Foundation	11/13/2015	8/31/2017	\$6,429
Kiyotaki, Nobuhiro	AWD1004804	Contract	Credit and Labour Market Foundations of the Macroeconomy	University of Edinburgh	6/1/2015	5/31/2020	\$23,720
Kuziemko, Ilyana	AWD1004806	Grant	Alfred P. Sloan Foundation Research Fellowship	Alfred P. Sloan Foundation	11/15/2015	9/14/2016	\$50,000
Pesendorfer, Wolfgang	CNV1001390	Grant	Behavioral Optimization in Discrete Choice and in Competitive Markets	National Science Foundation	7/1/2011	6/30/2016	\$384,516
Abreu, Dilip J.	CNV1001473	Grant	Algorithms for Computing the Equilibrium Payoff Sets of Dynamic Games with Perfect Monitoring	National Science Foundation	8/1/2011	7/31/2015	\$232,443
Golosov, Mikhail	CNV1001733	Grant	Alfred P. Sloan Research Fellowship -- transfer from Yale University BR-4855 TR12	Alfred P. Sloan Foundation	3/15/2012	9/30/2015	\$30,699
Morris, Stephen E.	CNV1001970	Grant	ICES:Small:Collaborative Research:Interaction, Information and Identification	National Science Foundation	9/1/2012	8/31/2015	\$200,000
Mueller, Ulrich K.	CNV1002013	Grant	Inference in Non-Standard Econometric Problems	National Science Foundation	9/1/2012	8/31/2015	\$199,116

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Kaplan, Greg Warren	CNV1002018	Grant	Collaborative Research: Understanding the Consumption Response to Fiscal Stimulus Payments: A Structural Analysis	National Science Foundation	7/1/2012	7/31/2015	\$199,040
Fujiwara, Thomas	CNV1002510	Grant	Global Scholar Fellowship in the Institutions, Organizations and Growth Program (IOG)	Canadian Institute for Advanced Research	7/1/2013	6/30/2016	\$100,000
Farber, Henry Stuart	CNV1002511	Grant	An Audit Study of the Determinants of Reemployment with Special Focus on Older Workers	Arizona State University	5/1/2013	10/31/2015	\$55,128
Kiyotaki, Nobuhiro	CNV1002512	Grant	Financial Intermediation, Crises and Aggregate Economic Activity	National Science Foundation	8/15/2013	7/31/2017	\$187,284
Abreu, Dilip J.	CNV1003121	Grant	Collaborative Research: Reputational Equilibrium Refinements of Bargaining Games with Asymmetric Information	National Science Foundation	7/1/2014	6/30/2016	\$69,012

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Poor, H. Vincent	AWD1004016	Grant	CIF: Small:Collaborative Research:Towards Universal Signal Recovery Algorithms	National Science Foundation	7/1/2014	6/30/2017	\$250,000
Sengupta, Kaushik	AWD1004021	Grant	Multiplexing Techniques for Scalable Wireless Interconnects at sub-THz Frequencies: Circuits-EM-Communication Codesign Approach	National Science Foundation	8/1/2014	7/31/2017	\$300,000
Poor, H. Vincent	AWD1004024	Grant	Collaborative Research: Network Protection under Uncertainty	National Science Foundation	9/1/2014	8/31/2017	\$140,000
Chou, Stephen Y.	AWD1004026	Grant	New Scalable Nanomanufacturing Technology: Large-Area Nanoimprint Master Fabrication without Using EBL by Innovative Multi-Set Nanopatterning	National Science Foundation	8/1/2014	7/31/2017	\$300,000
Fleischer, Jason W.	AWD1004027	Grant	Dynamical Imaging in Phase Space	Air Force Office of Scientific Research	7/1/2014	6/30/2017	\$450,000
Wysocki, Gerard	AWD1004029	Grant	Small Business - ERC Collaborative Opportunity to Develop an Instrument for Trace Detection of O2 using a High-Finesse Prism Optical Cavity and the Faraday Effect	Tiger Optics (MEECO)	4/1/2014	3/31/2016	\$100,000
Mittal, Prateek	AWD1004059	Grant	TWC: Medium: Collaborative: Aspire: Leveraging Automated Synthesis Technologies for Enhancing System Security	National Science Foundation	8/1/2014	7/31/2018	\$400,000
Wentzlaff, David	AWD1004061	Grant	XPS: FULL: CCA: Collaborative Research: CASH: Cost-aware Adaptation of Software and Hardware	National Science Foundation	9/1/2014	8/31/2018	\$300,000
Mittal, Prateek	AWD1004084	Grant	TWC: Small: Collaborative: Advancing Anonymity Against an AS-level Adversary	National Science Foundation	9/1/2014	8/31/2017	\$250,000
Wentzlaff, David	AWD1004147	Grant	Looking Beyond the Dark, Rethinking General Purpose Computer Architecture for UAV and Space Processing	Space and Naval Warfare Systems Command	9/4/2014	9/3/2017	\$800,000
Jha, Niraj Kumar	AWD1004220	Contract	FinFET Architectural Simulation and Low-power NoCs	Huawei Technologies Co. Ltd.	9/1/2014	7/27/2015	\$365,286
Chou, Stephen Y.	AWD1004226	Grant	New Smartphone-Based Assay Platform for Low-cost, Rapid, Point-of-Care, Fetal/Infant Brain Function and Damage Diagnostics	Bill & Melinda Gates Foundation	11/1/2014	4/30/2016	\$100,000
Verma, Naveen	AWD1004231	Grant	(YIP) From Sensor Data to High-Value Information: Ultra-Low-Energy Platforms for Deriving Inferences from Complex Embedded Signals	Air Force Office of Scientific Research	9/30/2014	9/29/2017	\$360,000
Rodriguez, Alejandro W.	AWD1004266	Grant	CAREER: Fluctuation-Induced Phenomena in Microstructured Media	National Science Foundation	2/1/2015	1/31/2020	\$500,000
Wentzlaff, David	AWD1004279	Grant	CAREER: Commonality Exploiting Architectures for Energy Efficiency	National Science Foundation	2/1/2015	1/31/2020	\$511,176
Chiang, Mung	AWD1004284	Grant	WiFiUS: Ubiquitous Video over Dynamic Spectrum	National Science Foundation	2/1/2015	1/31/2018	\$270,000

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Poor, H. Vincent	AWD1004314	Grant	WiFiUS: Collaborative Research: Sequential Inference and Learning for Agile Spectrum Use	National Science Foundation	3/15/2015	2/28/2017	\$135,000
Sengupta, Kaushik	AWD1004362	Grant	Broadband and Spectrally-Efficient mm-Wave Silicon-Based Receivers for Multi-Gb/s Wireless Transmission	Office of Naval Research	4/1/2015	3/31/2018	\$450,000
Wentzlaff, David	AWD1004368	Contract	Parameter Variations at Near Threshold Voltage: The Power Efficiency versus Resiliency Trade-off	University of Wisconsin	1/30/2015	9/13/2015	\$130,000
Cuff, Paul W.	AWD1004392	Grant	Performance-based Security for Encoding of Information Signals	Air Force Office of Scientific Research	5/1/2015	4/30/2018	\$360,000
Kahn, Antoine	AWD1004397	Grant	Gap State Compensation in Organic Semiconductors: The Ultra-low Doping Regime	National Science Foundation	7/1/2015	6/30/2018	\$400,000
Verdu, Sergio	AWD1004424	Grant	CIF: Medium: Collaborative Research: Feedback Communication: Models, Designs, and Fundamental Limits	National Science Foundation	6/1/2015	5/31/2019	\$400,000
Tureci, Engin Hakan	AWD1004432	Grant	Stabilizing Quantum Information through Dissipation - Research Area 6: Physics	Army Research Office	6/15/2015	1/14/2017	\$295,349
Prucnal, Paul Richard	AWD1004434	Contract	Princeton-L3 Industrial Collaboration: Miniaturizing an Interference Cancellation System	L-3 Telemetry-East	1/1/2015	12/31/2016	\$150,000
Wysocki, Gerard	AWD1004440	Grant	Monolithic THz and LWIR QCL Frequency Combs for Threat Detection and Identification	Massachusetts Institute of Technology	6/9/2015	11/30/2017	\$550,000
Chou, Stephen Y.	AWD1004463	Grant	Development of a Highly Sensitive Antigen Diagnostic Capable of Detecting Sub Picogram Quantities of Soluble & Membrane Forms of the Ebola Virus Glycoprotein	Bill & Melinda Gates Foundation	6/29/2015	7/31/2016	\$230,245
Kahn, Antoine	AWD1004508	Contract	Energetics of Perovskite Interfaces	National Renewal Energy Laboratory - DOE	7/8/2015	9/30/2015	\$40,000
Sengupta, Kaushik	AWD1004528	Grant	Integrated THz Spectroscopy exploiting On-chip Scattering and Device Nonlinearity	National Science Foundation	8/1/2015	7/31/2018	\$320,000
Chiang, Mung	AWD1004546	Grant	NeTS: Small: Collaborative Research: Fog Networking: Architecture, Algorithms and Applications	National Science Foundation	10/1/2015	9/30/2018	\$250,000
Chou, Stephen Y.	AWD1004550	Grant	Subwavelength-Resonant-Grating Mirror and Cavity for Single-Mode, Sub-pm-linewidth, UV (220-240 nm) Laser	Office of Naval Research	6/1/2015	5/31/2017	\$400,000
Lee, Ruby Bei-Loh	AWD1004551	Grant	STARSS: Small: Collaborative: Practical and Scalable Security Verification of Security-Aware Hardware Architectures	National Science Foundation	10/1/2015	9/30/2018	\$133,333
Kahn, Antoine	AWD1004618	Grant	Organic- Inorganic Metal Halide Perovskite Semiconductors	U.S.-Israel Binational Science Fdn.	10/1/2015	9/30/2017	\$90,000
Verdu, Sergio	AWD1004623	Grant	Adaptive Exploitation of Non-Commutative Multimodal Information Structure	University of IL at Urbana-Champaign	8/17/2015	8/16/2018	\$424,105

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Poor, H. Vincent	AWD1004625	Grant	EAGER: Renewables: Collaborative Research: Foundations of Prosumer-Centric Grid Energy Management	National Science Foundation	9/15/2015	8/31/2017	\$100,000
Lee, Ruby Bei-Loh	AWD1004656	Contract	STARSS: Small: Collaborative: Practical and Scalable Security Verification of Security-Aware Hardware Architectures	Semiconductor Research Corporation	10/1/2015	9/30/2018	\$66,666
Verdu, Sergio	AWD1004694	Grant	2016 IEEE International Symposium on Information Theory Student Travel Support	National Science Foundation	1/1/2016	9/30/2016	\$20,000
Mittal, Prateek	AWD1004707	Grant	CAREER: Trustworthy Social Systems Using Network Science	National Science Foundation	2/1/2016	1/31/2021	\$520,957
Wysocki, Gerard	AWD1004712	Contract	An Intelligent Multi-Modal CH4 Measurement System (AIMS)	Intl Business Machines Corp. (IBM)	12/14/2015	8/9/2018	\$300,000
Kung, Sun-Yuan	AWD1004734	Contract	Efficient Privacy-Preserving Machine Learning: Strategies, Implementations and Evaluation	Iowa State University	9/28/2015	3/27/2020	\$1,500,000
Abbe, Emmanuel Auguste	AWD1004738	Grant	Information-Geometric Embeddings for Feature Extraction in Networks	Army Research Office	2/8/2016	12/7/2017	\$200,000
Fleischer, Jason W.	AWD1004768	Contract	Correlation-and Radiometry-InSpired Plenoptic Imaging	Defense Advanced Research Projects Agency	4/8/2016	4/7/2018	\$1,859,225
Tsui, Daniel Chee	AWD1004846	Contract	Novel Quantum Hall physics in Low Dimensional Electron Systems	Sandia National Laboratories	1/19/2016	9/30/2016	\$150,000
Lyon, Stephen Aplin	AWD1004861	Contract	Electron Spin Qubits on Superfluid Helium	Sandia National Laboratories	5/18/2016	5/17/2017	\$133,332
Bhatt, Ravindra N.	CNV1000877	Grant	Design Principles for Quantum Hall States	DOE - Germantown	9/1/2009	8/31/2017	\$4,275,000
Wysocki, Gerard	CNV1001036	Grant	CAREER:Coherent Mid-infrared Molecular Dispersion Spectroscopy for Ultra-sensitive Chemical Detection	National Science Foundation	2/1/2010	1/31/2016	\$405,843
Chiang, Mung	CNV1001138	Grant	NeTS: Large:Collaborative Research: Architecting Manageable Interference for Next-Generation Wireless Networks	National Science Foundation	7/1/2010	6/30/2016	\$570,000
Verdu, Sergio	CNV1001243	Cooperative Agreement	Emerging Frontiers of Science of Information	Purdue University	8/1/2010	1/31/2017	\$3,487,736
Cuff, Paul W.	CNV1001465	Grant	CIF:Small:Causal Secrecy-A Theoretical Basis for Secrecy of Signals	National Science Foundation	8/1/2011	7/31/2015	\$490,000
Poor, H. Vincent	CNV1001482	Grant	ATD: Collaborative Research: Mathematical Challenges in Distributed Quickest Detection	National Science Foundation	8/15/2011	7/31/2015	\$319,320
Kahn, Antoine	CNV1001545	Grant	The Organic / Inorganic Heterojunction as Model for Understanding and Controlling the Interface Energetics of Excitonic Solar Cells	U.S.-Israel Binational Science Fdn.	10/1/2011	9/30/2015	\$91,952
Chiang, Mung	CNV1001628	Contract	Autonomous Collaborative Control for Resilient Cyber Defense (ACCORD)	TT Government Solutions, Inc.	12/8/2011	12/31/2015	\$600,000

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Fleischer, Jason W.	CNV1001722	Grant	Spatial Wavefront Control in Classical and Quantum Optics	Air Force Office of Scientific Research	3/15/2012	3/14/2016	\$750,000
Wysocki, Gerard	CNV1001724	Grant	Compact Multi-Pollutant Mid-Infrared Laser Spectroscopic Trace-Gas Sensor	U.S. Environmental Protection Agency	2/1/2012	1/31/2016	\$250,000
Jha, Niraj Kumar	CNV1001821	Grant	SHF:Small: Efficient and Accurate Methodologies for Unifying the Layout, Device Simulation, and Process Simulation Worlds	National Science Foundation	7/1/2012	6/30/2016	\$450,000
Wentzlaff, David	CNV1001857	Grant	SHF:Small: Redesigning Manycore Computer Architecture for the Mega-core Data Center	National Science Foundation	7/1/2012	6/30/2016	\$300,000
Verma, Naveen	CNV1001877	Contract	Accelerator Architectures and Algorithms for Embedded Machine Learning in Medical Sensor Applications	Semiconductor Research Corporation	8/1/2012	1/31/2017	\$255,000
Lee, Ruby Bei-Loh	CNV1001965	Grant	CSR:Small: Cloud Security on Demand	National Science Foundation	9/1/2012	8/31/2017	\$500,000
Tureci, Engin Hakan	CNV1001996	Grant	CAREER: Collective Effects in Cavity Quantum Electrodynamics - From Fundamental Science to Devices	National Science Foundation	9/1/2012	8/31/2017	\$460,000
Prucnal, Paul Richard	CNV1001998	Grant	NeTS: Small: Collaborative Research: OSTARA: An Optically-based Simultaneous Transmit And Receive Architecture for Enhancing Wireless Communications	National Science Foundation	9/1/2012	8/31/2015	\$250,000
Jha, Niraj Kumar	CNV1002002	Grant	SHF:Small: Fine-grain Dynamically Reconfigurable FPGA Architecture Aimed at Reducing the ASIC-FPGA Gaps	National Science Foundation	9/1/2012	8/31/2016	\$350,000
Prucnal, Paul Richard	CNV1002004	Grant	Collaborative Research: Big Bandwidth: Finding Anomalous Needles in the Spectrum Haystack	National Science Foundation	1/1/2013	12/31/2016	\$200,000
Jha, Niraj Kumar	CNV1002005	Grant	TWC: Small: Collaborative: Enhancing the Safety and Trustworthiness of Medical Devices	National Science Foundation	9/1/2012	8/31/2016	\$325,000
Lee, Ruby Bei-Loh	CNV1002076	Cooperative Agreement	Using Moving Target Defense for Secure Hardware Design	Air Force Research Laboratory (Rome)	9/28/2012	8/30/2015	\$1,511,740
Lyon, Stephen Aplin	CNV1002173	Contract	Princeton Quantum Engineering Group	The MITRE Corporation	10/1/2012	9/30/2018	\$23,000
Verma, Naveen	CNV1002187	Grant	CAREER: Hardware and Algorithmic Architectures for Analyzing Physically-complex Systems: Embedding Inference Capabilities in Ultra-low-power sensors	National Science Foundation	3/1/2013	2/28/2018	\$445,734
Malik, Sharad	CNV1002190	Grant	Systems On Nanoscale Information fabriCs (SONIC)	University of IL at Urbana-Champaign	1/15/2013	10/31/2017	\$2,323,333
Wentzlaff, David	CNV1002192	Grant	Carbon: Organic Computing for Embedded Applications	Massachusetts Institute of Technology	11/20/2012	12/31/2015	\$533,876
Tsui, Daniel Chee	CNV1002547	Contract	Novel Quantum Hall physics in Low Dimensional Electron Systems	Sandia National Laboratories	1/22/2013	9/30/2015	\$400,000

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Abbe, Emmanuel Auguste	CNV1002548	Grant	CIF:Small: Analog-to-Analog Compression: Fundamental Limits and Constructive Schemes	National Science Foundation	7/1/2013	6/30/2017	\$474,978
Verdu, Sergio	CNV1002550	Grant	CIF:Small:Collaborative Research:Compressed Databases for Similarity Queries: Fundamental Limits and Algorithms	National Science Foundation	7/1/2013	6/30/2017	\$250,000
Malik, Sharad	CNV1002551	Contract	Revised CFAR: The Center for Future Architectures Research (C-FAR)	University of Michigan	1/15/2013	10/31/2017	\$3,262,496
Jha, Niraj Kumar	CNV1002553	Grant	SHF: Small: Parasitics-aware Exploration of the FinFET SRAM Design Space	National Science Foundation	9/1/2013	8/31/2017	\$450,000
Chiang, Mung	CNV1002554	Grant	NeTS: Small: Collaborative Research: Theory, Algorithms, and Experiments for Frequency-Agile Beamforming Mesh (FabMesh)	National Science Foundation	10/1/2013	9/30/2016	\$249,000
Chiang, Mung	CNV1002555	Grant	Mung Chiang NSF Waterman Award	National Science Foundation	9/6/2013	9/30/2018	\$1,000,000
Wentzlaff, David	CNV1002556	Grant	EAGER: Architectures for Biodegradable Processors	National Science Foundation	9/15/2013	8/31/2016	\$160,561
Poor, H. Vincent	CNV1002557	Grant	Collaborative Research: EARS: Fundamental Limits of Spectrum Sensing	National Science Foundation	10/1/2013	9/30/2017	\$212,154
Chiang, Mung	CNV1002864	Grant	SIGMA: Students Innovating for Greater Medical Access	Robert Wood Johnson Foundation	2/15/2013	9/15/2016	\$671,895
Cuff, Paul W.	CNV1002972	Grant	CAREER: Digital Encoding of Information Signals for Security with Limited Resources	National Science Foundation	2/1/2014	1/31/2019	\$450,000
Chiang, Mung	CNV1002973	Grant	Measuring, Understanding, and Responding to Covert Social Networks: Passive and Active Tomography	Harvard University	5/1/2013	11/22/2016	\$1,076,388
Chiang, Mung	CNV1003110	Grant	Social Learning Networks: From Data Analytics to Active Sensing (Proposal for Social Informatics Program, PM John Lavery)	Army Research Office	5/1/2014	4/30/2017	\$300,000
Wentzlaff, David	CNV1003223	Grant	Megacore Operating System and Chip Architecture Co-Design	Air Force Office of Scientific Research	6/15/2014	6/14/2017	\$360,000

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Martin, Meredith Anne	AWD1004379	Grant	New Directions Fellowship	The Andrew W. Mellon Foundation	7/1/2015	6/30/2018	\$258,336

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Strolovitch, Dara Z.	CNV1003003	Grant	Widening Inequalities and Political Representation for Marginalized Groups	Russell Sage Foundation	11/1/2013	12/31/2016	\$104,870

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Schoene, Robert Blair	AWD1004053	Grant	Collaborative Research: EarthScope Geochronology: Graduate Student Training Program	National Science Foundation	8/1/2014	7/31/2017	\$36,044
Jonsson, Bror Fredrik	AWD1004089	Grant	Lagrangian Particle Tracking as a Unifying Framework to Study Variability of Acidification in Coastal Waters	NASA Headquarters - Washington	6/28/2014	6/27/2017	\$490,292
Onstott, Tullis C.	AWD1004100	Grant	Dimensions: Collaborative Research: Genetic, Phylogenetic, and Functional Microbial Diversity in Permanently Frozen Aquatic Sediments Over Geological Time	National Science Foundation	8/15/2014	7/31/2019	\$452,071
Duffy, Thomas S.	AWD1004109	Grant	Perovskite and Post-Perovskite in the (Mg,Fe) GeO ₃ System	National Science Foundation	8/1/2014	7/31/2017	\$360,000
Maloof, Adam C.	AWD1004126	Grant	Collaborative Research: Toward a Global Timeline of Biological and Ocean Geochemical Change During the Early Cambrian	National Science Foundation	9/1/2014	8/31/2017	\$1,054,947
Onstott, Tullis C.	AWD1004149	Grant	Collaborative Research: Untangling the Deep Genealogy of Microbial Dark Matter	National Science Foundation	10/1/2014	9/30/2018	\$398,307
Onstott, Tullis C.	AWD1004166	Grant	Analytical Tools for Cross Metagenome Comparisons	University of Southern California	9/1/2014	8/31/2016	\$64,000
Tromp, Jeroen	AWD1004172	Grant	Community Computational Platforms for Developing Three-Dimensional Models of Earth Structure, Phase II	University of Southern California	8/15/2014	7/31/2016	\$67,534
Sigman, Daniel Mikhail	AWD1004254	Grant	Life on the Slow Track - Studying the Geochemical Impact of Denitrification at its Natural Pace	Agouron Institute	1/1/2015	7/31/2016	\$106,167
Rubin, Allan Mattathias	AWD1004278	Grant	Ultrasonic Investigations of the Micro Mechanical Origin of Rate and State Friction	U.S. Geological Survey	2/1/2015	1/31/2016	\$93,157
Myneni, Satish Chandra Babu	AWD1004281	Grant	Collaborative Research: Highly Reactive Thiol Binding Sites on Bacterial Cell Envelopes and their Influence on Metal Speciation in Aquatic Systems	National Science Foundation	3/1/2015	2/28/2018	\$120,000
Simons, Frederik Jozef	AWD1004291	Grant	Structure and Evolution of the Martian Crustal Magnetic Field	NASA Headquarters - Washington	7/2/2014	7/1/2017	\$347,811
Higgins, John Andrew	AWD1004318	Grant	Ca and Mg Isotopic Indicators in Ancient Carbonates	The Simons Foundation	4/1/2015	3/31/2018	\$232,978
Schoene, Robert Blair	AWD1004341	Grant	A High-precision U-Pb Age Model for the Deccan Traps	National Science Foundation	4/1/2015	3/31/2017	\$89,136
Myneni, Satish Chandra Babu	AWD1004348	Grant	The Biogeochemical Cycling and Human Health Implications of Elements Critical to Emerging Energy Technologies	Harvard University	1/1/2015	8/31/2016	\$7,698
Tromp, Jeroen	AWD1004366	Contract	Full Waveform Inversion with Real Surface-and Body-Wave Data	TOTAL E&P Research & Technology USA, LLC	1/1/2015	12/31/2016	\$261,107

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Duffy, Thomas S.	AWD1004371	Grant	Dynamic Compression of Earth and Planetary Materials Using Omega Laser	DOE - National Nuclear Security Admin	9/15/2015	9/14/2017	\$200,001
Duffy, Thomas S.	AWD1004406	Grant	Real Time X-ray Diffraction and Imaging of Shock-Compressed Geological Materials	Defense Threat Reduction Agency	5/10/2015	5/9/2018	\$744,404
Myneni, Satish Chandra Babu	AWD1004431	Grant	Collaborative Research: Halocarbon Biogeochemistry in Coastal Wetland Ecosystems - Exploring the Transition from Forested Wetland to Salt Marsh	National Science Foundation	8/1/2015	7/31/2018	\$89,671
Onstott, Tullis C.	AWD1004435	Grant	Racemization Dating of Subsurface Microorganisms	National Science Foundation	8/1/2015	7/31/2018	\$293,003
Duffy, Thomas S.	AWD1004491	Contract	High Pressure Polymorphism of Diamond and the Implications for Meteorite Impact Events and Material Science	Lawrence Livermore National Laboratory	4/1/2015	3/31/2016	\$56,000
Sigman, Daniel Mikhail	AWD1004557	Grant	Collaborative Research: Identifying the Role of Basin-scale Climate Variability in the Decline of Atlantic Corals	National Science Foundation	9/1/2015	8/31/2017	\$264,801
Jonsson, Bror Fredrik	AWD1004571	Grant	EOA-1: East Coast Ocean Acidification Cruise	University of New Hampshire	6/1/2015	5/31/2016	\$25,500
Higgins, John Andrew	AWD1004580	Grant	Collaborative Research: Window into the World with 40,000-year Glacial Cycles from Climate Records in Million Year-old Ice from the Allan Hills Blue Ice Area	National Science Foundation	9/1/2015	8/31/2018	\$576,235
Tromp, Jeroen	AWD1004660	Grant	Advanced Full Wavefield Seismic Imaging for Analysis, Sensor Concept Development, Analytical and Field Test Evaluations	University of Kansas	9/29/2015	3/31/2017	\$374,585
Higgins, John Andrew	AWD1004690	Grant	Illuminating Earth's Past, Present and Future: The International Ocean Discovery Program Science Plan for 2013-2023	The Trustees of Columbia University	10/1/2015	2/28/2018	\$27,500
Rubin, Allan Mattathias	AWD1004732	Grant	Ultrasonic Imaging of Laboratory Faults to Illuminate the Micro-mechanical Origins of Rate and State Friction: Collaborative Research with Princeton University and The Pennsylvania State University	U.S. Geological Survey	2/1/2016	1/31/2017	\$56,766
Tromp, Jeroen	AWD1004743	Contract	Full-Waveform Inversion of Passive Seismic Data	TOTAL E&P Research & Technology USA, LLC	10/1/2015	9/30/2017	\$307,685
Rubin, Allan Mattathias	AWD1004763	Grant	Collaborative Research: Laboratory and Theoretical Investigations of the Micro-Mechanical Origins of Rate and State Friction on Tectonic Faults	National Science Foundation	3/1/2016	2/28/2019	\$254,833
Schoene, Robert Blair	AWD1004830	Grant	Collaborative Research: Testing the Hypothesis: Bigger Magma Chambers Crystallize Faster	National Science Foundation	5/1/2016	4/30/2017	\$32,167

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Morel, Francois M. M.	CNV1001177	Grant	Collaborative Research: Ocean Acidification - Category 1: Effects of pCO2 and pH on Photosynthesis, Respiration, and Growth in Marine Phytoplankton	National Science Foundation	9/1/2010	8/31/2016	\$1,390,493
Onstott, Tullis C.	CNV1001221	Grant	Collaborative Research: ETBC: The Deep Crustal Biosphere: Microbial Cycling of Carbon	National Science Foundation	10/1/2010	9/30/2015	\$466,484
Myneni, Satish Chandra Babu	CNV1001228	Grant	Role of Sulfhydryl Sites on Bacterial Cell Walls in the Biosorption, Mobility and Bioavailability of Mercury	DOE - Washington	9/10/2010	11/30/2015	\$772,955
Sigman, Daniel Mikhail	CNV1001349	Grant	Understanding the Nitrogen Isotopes of Planktonic Foraminifera: A Modern Sargasso Sea Study	National Science Foundation	4/1/2011	3/31/2016	\$619,900
Tromp, Jeroen	CNV1001414	Grant	ABR-Toward Seismic Tomography Based Upon Adjoint Methods	National Science Foundation	7/1/2011	6/30/2016	\$709,986
Ward, Bettie	CNV1001469	Grant	Effects of Climate Change on Phytoplankton Community Composition and Carbon Cycling	U.S. DOC - Natl Oceanic & Atmos Admin	9/1/2011	8/31/2016	\$499,473
Bender, Michael Leslie	CNV1001488	Grant	Collaborative Research: Ice Core Studies Reconstructing Greenland Climate During the Eemian and Beyond	National Science Foundation	1/1/2012	12/31/2015	\$295,616
Simons, Frederik Jozef	CNV1001549	Grant	Structure and Evolution of the Venusian lithosphere: Statistically robust, localized analysis of Magellan gravity and topography	NASA Headquarters - Washington	10/1/2011	9/30/2015	\$224,897
Morel, Francois M. M.	CNV1001577	Grant	Mechanisms of Hg(II) Uptake and Methylation in Methylating Bacteria	DOE - Washington	9/15/2011	11/30/2015	\$782,080
Ward, Bettie	CNV1001582	Grant	Dimensions: Collaborative Research: Functional Diversity of Marine Eukaryotic Phytoplankton and Their Contributions to C and N Cycling	National Science Foundation	1/1/2012	6/30/2016	\$1,401,584
Maloof, Adam C.	CNV1001605	Grant	Development of an Integrated Serial Grinder and Photo-Imager for 3D Fossil Reconstruction	National Science Foundation	12/1/2011	11/30/2015	\$449,113
Duffy, Thomas S.	CNV1001644	Grant	Elasticity of Mantle Minerals at High Pressures and Temperatures	National Science Foundation	1/1/2012	12/31/2015	\$388,182
Medvigy, David M.	CNV1001697	Grant	CAREER: Impacts of Amazon Deforestation on Earth's Climate, Water, and Ecosystems: The Ebb of the Green Ocean?	National Science Foundation	2/15/2012	1/31/2017	\$555,824
Tromp, Jeroen	CNV1001699	Cooperative Agreement	Forward and Adjoint Simulations of Seismic Wave Propagation	University of California at Davis	12/21/2011	6/30/2016	\$506,726
Schoene, Robert Blair	CNV1001851	Grant	Testing Models for Magma Transfer and Emplacement in 4-Dimensions: The Bergell Intrusion, N. Italy	National Science Foundation	7/15/2012	6/30/2016	\$297,287
Duffy, Thomas S.	CNV1001861	Grant	Single-Crystal X- Ray Diffraction of Minerals to Mbar Pressures	National Science Foundation	7/1/2012	6/30/2016	\$396,938

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Simons, Frederik Jozef	CNV1002046	Grant	CAREER: From Robust, Reproducible Geophysical Inference to Geological Interpretation: New Perspectives on the Continental Lithosphere	National Science Foundation	9/15/2012	8/31/2017	\$499,969
Sigman, Daniel Mikhail	CNV1002151	Grant	Nitrogen Isotopic (15N) Composition of Carbonate-bound Organic Nitrogen in Deep Sea Corals: A New, High Resolution Proxy for N Cycle Studies	Pomona College	9/1/2012	8/31/2015	\$107,206
Jonsson, Bror Fredrik	CNV1002164	Grant	Net Community Production and Carbon Export in the Southern Ocean: Measurements and Scaling	NASA Headquarters - Washington	11/16/2012	11/15/2016	\$534,113
Simons, Frederik Jozef	CNV1002180	Grant	Mapping the Evolution of Antarctica's Mass Balance in Space and Time	National Science Foundation	2/1/2013	1/31/2016	\$284,392
Simons, Frederik Jozef	CNV1002194	Grant	Phased Testing at Sea of the Son-O-Mermaid Prototype	National Science Foundation	2/1/2013	1/31/2016	\$45,001
Tromp, Jeroen	CNV1002572	Grant	Simulations of Seismic Wave Propagation on Mars	Cal Tech - Jet Propulsion Lab (JPL)	5/9/2013	7/30/2017	\$110,475
Maloof, Adam C.	CNV1002919	Grant	Collaborative Research: Quantifying Rate of Neoproterozoic Global Change, Ethiopia	National Science Foundation	1/1/2014	12/31/2017	\$150,000
Higgins, John Andrew	CNV1002978	Grant	Magnesium Isotopes in Marine Dolomite - New Insights into an Old Problem	American Chemical Society	3/1/2014	8/31/2016	\$100,000
Rubin, Allan Mattathias	CNV1002979	Grant	Developing High-resolution Tremor Catalogs to Constrain Numerical Models of Slow Slip	National Science Foundation	2/15/2014	1/31/2018	\$299,961
Jayakumar, Amal	CNV1003041	Grant	Collaborative Research: Dinitrogen Fixation Rates and Diazotrophic Communities in Contrasting Oxygen Regimes of the Eastern Pacific Ocean	National Science Foundation	9/1/2014	8/31/2017	\$342,062
Bender, Michael Leslie	CNV1003058	Grant	Global Climate Change - Comer Science Foundation	Comer Science and Education Foundation	11/12/2002	3/31/2016	\$540,000
Sigman, Daniel Mikhail	CNV1003111	Grant	High-Resolution Assemblage-Specific Records of Diatom-Bound N Isotopes from the Indian Sector of the Antarctic Ocean	National Science Foundation	5/1/2014	4/30/2017	\$491,850
Sigman, Daniel Mikhail	CNV1003226	Grant	Exploring the Late Pleistocene Marine Nitrogen Cycle in the South Pacific Using the Nitrogen Isotopes of Fossil Corals from Tahiti	Consortium for Ocean Leadership	7/1/2014	1/31/2016	\$30,000

Graduate School Fellowships

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Kulkarni, Sanjeev Ramesh	CNV1001823	Grant	Expanding The Mission	The Teagle Foundation	6/15/2012	12/31/2016	\$125,000
Kulkarni, Sanjeev Ramesh	AWD1004296	Grant	Fulbright-Hays Doctoral Dissertation Research Abroad - Megan Steffen	U.S. Department of Education	10/1/2014	3/31/2016	\$28,030
Kulkarni, Sanjeev Ramesh	AWD1004592	Grant	United States Navy Fellows	Navy - Other	9/1/2015	8/31/2025	\$47,220
Kulkarni, Sanjeev Ramesh	AWD1004593	Grant	U.S.Army Tuition Fellowships	U.S. Army Command & General Staff Coll	9/1/2015	8/31/2025	\$167,160
Kulkarni, Sanjeev Ramesh	AWD1004595	Grant	Howard Hughes International Student Research Fellow (HHMI)	Howard Hughes Medical Institute	9/1/2015	8/31/2025	\$344,000
Kulkarni, Sanjeev Ramesh	AWD1004599	Grant	Howard Hughes Gilliam Fellows	Howard Hughes Medical Institute	9/1/2015	8/31/2025	\$86,000
Kulkarni, Sanjeev Ramesh	AWD1004600	Grant	National Defense Science and Engineering Graduate Fellowship (NDSEG)	American Society for Engineering Educ	9/1/2015	8/31/2025	\$1,612,840
Kulkarni, Sanjeev Ramesh	AWD1004602	Grant	Department of Energy (DOE) Computational Science Graduate Fellowship (CSGF)	Krell Institute	9/1/2015	8/31/2025	\$275,825
Kulkarni, Sanjeev Ramesh	CNV1001514	Grant	Graduate Research Fellowship Program (GRFP)	National Science Foundation	8/1/2011	7/31/2017	\$19,249,838
Kulkarni, Sanjeev Ramesh	CNV1001533	Grant	Jacob Javits Fellowship - Patricia Kim and Emily Wang	U.S. Department of Education	8/15/2011	8/14/2015	\$322,318
Kulkarni, Sanjeev Ramesh	CNV1002367	Grant	Graduate School Fellowship	Howard Hughes Medical Institute	9/1/2013	8/31/2018	\$1,585,031
Kulkarni, Sanjeev Ramesh	CNV1002376	Grant	Graduate School Fellowships	Krell Institute	9/1/2010	8/31/2037	\$2,185,116
Kulkarni, Sanjeev Ramesh	CNV1002383	Grant	Graduate School Fellowships	Krell Institute	9/1/2010	8/31/2020	\$522,092
Kulkarni, Sanjeev Ramesh	CNV1002744	Grant	Educational Service Agreement with Air Force Research Institute for Air Force Fellows	Air Force Research Institute	1/23/2013	6/30/2019	\$242,885

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Lew-Williams, Elizabeth	AWD1004285	Grant	The Chinese Must Go: The Violent Birth of American Border Control	The Harry Frank Guggenheim Foundation	9/1/2015	8/31/2016	\$53,760
James, Harold	AWD1004344	Grant	From Relief to Reconstruction: Aid to Italy and the Rise of Economic Development	Smith Richardson Foundation, Inc.	3/15/2015	3/14/2016	\$7,500
Grafton, Anthony Thomas	AWD1004705	Grant	Education and its Discontents	Charles Koch Foundation	10/1/2015	8/31/2016	\$60,000
Darnton, Robert Choate	CNV1000222	Grant	Book Country: Publishing and the Book Trade in Francophone Europe, 1769-1789	The Florence Gould Foundation	1/1/2006	6/30/2018	\$25,000
Brown, Peter Robert	CNV1001638	Grant	Figures in a Landscape: Topography and Hagiography in the World of Syriac Christianity	International Balzan Foundation	1/1/2012	6/30/2017	\$391,809
Shawcross, Clare Teresa	CNV1001875	Grant	New Directions Fellowship Program	The Andrew W. Mellon Foundation	7/1/2012	8/31/2017	\$203,791

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Dobbie, Will S.	AWD1004202	Grant	Measuring the Effects of Debt Forgiveness	Washington Center for Equitable Growth	7/1/2014	1/15/2017	\$79,000

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<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Wolf, Stacy E.	CNV1002048	Grant	Mellon Grant for the Establishment of Fellowships in the Society of Fellows in the Arts	The Andrew W. Mellon Foundation	6/1/2012	5/31/2017	\$300,280

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<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Leifer, Andrew Michael	AWD1004003	Grant	Whole Brain Calcium Imaging in Freely Behaving Nematodes	The Simons Foundation	7/1/2014	6/30/2017	\$320,000
Rabinowitz, Joshua D.	AWD1004013	Grant	Intact Protein as a Cancer Fuel Source	NIH NCI	9/1/2014	8/31/2017	\$129,372
Bialek, William	AWD1004017	Grant	Searching for Universality in the State Space of Neural Networks	The Simons Foundation	7/1/2014	6/30/2017	\$340,000
Shaevitz, Joshua William	AWD1004117	Grant	Multiscale Studies of Collective Behavior in a Model Social Bacterium	National Science Foundation	9/1/2014	8/31/2018	\$720,000
Rabinowitz, Joshua D.	AWD1004121	Grant	Quantitative Analysis of Metabolic Regulation by Integration of Metabolomics, Proteomics, and Fluxomics	DOE - Chicago	9/1/2014	8/31/2017	\$1,149,739
Bialek, William	AWD1004154	Grant	BRAIN EAGER: Toward a Theory of Real Neural Networks	National Science Foundation	9/1/2014	8/31/2016	\$300,000
Murphy, Coleen T.	AWD1004161	Grant	Identifying Postsynaptic Regulators of Long-term Memory in Caenorhabditis Elegans	NIH NIA	3/15/2015	3/14/2018	\$165,650
Dolinski, Kara J.	AWD1004193	Grant	Personalization of Therapeutic Efficacy and Risk	University of Pennsylvania	6/1/2014	5/31/2017	\$381,090
Troyanskaya, Olga G.	AWD1004194	Grant	Personalization of Therapeutic Efficacy and Risk	University of Pennsylvania	6/1/2014	5/31/2017	\$469,146
Troyanskaya, Olga G.	AWD1004195	Grant	Personalization of Therapeutic Efficacy and Risk - Core F/G	University of Pennsylvania	6/1/2014	5/31/2017	\$258,026
Tank, David W.	AWD1004233	Grant	Sequence Generation and Timing Signals in the Brain	Brain and Behavior Research Foundation	1/15/2015	1/14/2017	\$65,000
Rabinowitz, Joshua D.	AWD1004304	Grant	The Regulation of Cell Metabolism and Proliferation by mTOR Complex 2	Rutgers University - New Brunswick	7/1/2014	6/30/2016	\$57,976
Singh, Mona	AWD1004365	Grant	ABI: Innovation: Computationally Uncovering Dynamic Transcription Factor Interactions within and Across Organisms	National Science Foundation	4/15/2015	3/31/2018	\$707,468
Andolfatto, Peter	AWD1004374	Grant	Dissecting the Molecular Basis and Assembly of a Complex Morphological Trait	NIH NIGMS	5/1/2015	1/31/2019	\$1,752,683
Gregor, Thomas	AWD1004454	Grant	Greater as a Whole: Bridging Intracellular Signaling and Population Behaviors in Collective Systems	The Burroughs Wellcome Fund	7/1/2015	6/30/2017	\$140,000
Troyanskaya, Olga G.	AWD1004455	Grant	Integration and Visualization of Diverse Biological Data	NIH NIGMS	5/1/2015	1/31/2019	\$1,927,712
Levine, Michael Steven	AWD1004487	Grant	Developing Live Imaging to Visualize Enhancer-promoter Interaction in the Early Drosophila Embryo	Human Frontier Science Prog Org (HFSP)	7/1/2015	6/30/2018	\$160,980
Shvartsman, Stanislav Yefimovic	AWD1004510	Grant	Data-driven Models of Cell Communication in Embryos	National Science Foundation	8/1/2015	7/31/2018	\$900,001
Storey, John D.	AWD1004542	Grant	Quantitative and Computational Biology Graduate Program	NIH NHGRI	5/1/2015	4/30/2020	\$2,565,311

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<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Rabinowitz, Joshua D.	AWD1004555	Grant	Mitochondrial Folate Metabolism in Cancer Cell Growth and Proliferation	NJ Commission on Cancer Research	1/1/2015	12/31/2016	\$100,000
Andolfatto, Peter	AWD1004556	Grant	Parallel Evolution at NA,K-ATPase: A Model System for Understanding Constraints on the Evolution of Novel Protein Functions	NIH NIGMS	9/1/2015	5/31/2019	\$1,265,398
Murphy, Coleen T.	AWD1004613	Grant	Dissecting the Genetic and Molecular Networks Underlying Longevity and Aging	NIH NIA	9/30/2015	8/31/2017	\$556,546
Murphy, Coleen T.	AWD1004614	Grant	Molecular Mechanisms Regulating Age-Related Cognitive Decline	NIH NIA	9/15/2015	5/31/2020	\$1,628,271
Shvartsman, Stanislav Yefimovic	AWD1004617	Grant	Activating Mutations in MEK: From Molecules to Morphologies	NIH NIGMS	9/4/2015	8/31/2019	\$1,722,940
Murphy, Coleen T.	AWD1004632	Grant	Toward the Tissue-ome: A Map of the C. Elegans Cell-Specific Transcriptome	NIH NIGMS	9/30/2015	7/31/2020	\$4,050,000
Troyanskaya, Olga G.	AWD1004658	Grant	Methodologies for Tissue- and Cell-Lineage Specific Analysis of Complex Functional Genomic Data	The Simons Foundation	9/1/2015	8/31/2018	\$390,000
Gregor, Thomas	AWD1004669	Cooperative Agreement	Imaging Chromosome Dynamics and Measuring its Impact on Transcriptional Activity	NIH NIBIB	9/30/2015	6/30/2020	\$1,850,000
Shvartsman, Stanislav Yefimovic	AWD1004681	Grant	NSF Science and Technology Center: Emergent Behaviors of Integrated Cellular Systems (EBICS)	Massachusetts Institute of Technology	9/1/2015	8/31/2020	\$675,000
Shaevitz, Joshua William	AWD1004701	Grant	The Biophysical Mechanism of Pilus-Based Surface Sensing in Pseudomonas Aeruginosa	NIH NIAID	1/1/2016	12/31/2017	\$436,374
Rabinowitz, Joshua D.	AWD1004724	Grant	Mitochondrial Folate Metabolism in Cancer Cell Growth and Proliferation	American Cancer Society, Inc. (ACS)	1/1/2016	12/31/2018	\$163,500
Tilghman, Shirley Marie	AWD1004726	Contract	A Proposal to Support the Rescue of Biomedical Research Initiative	Silicon Valley Community Foundation	11/3/2015	11/2/2017	\$299,112
Shvartsman, Stanislav Yefimovic	AWD1004733	Contract	Data Fusion for Studies of Developmental Dynamics	Weizmann Institute of Science	9/10/2015	9/9/2016	\$50,000
Singh, Mona	AWD1004751	Grant	Identification of Cancer Driver Metabolites Through Genomic Approaches	NJ Commission on Cancer Research	1/1/2016	12/31/2017	\$50,000
Andolfatto, Peter	AWD1004798	Grant	Characterizing Genomic Patterns of Introgression in Colias Eurytheme and C. Philodice	Society for the Study of Evolution	3/1/2016	2/28/2018	\$2,500
Andolfatto, Peter	AWD1004805	Grant	Variation in Olfaction in Response to Artificial Selection on an Olfactory Stimulus	Society for the Study of Evolution	3/1/2016	2/28/2018	\$2,250
Levine, Michael Steven	AWD1004813	Grant	Molecular Analysis of Segmentation in Drosophila	NIH NIGMS	11/1/2015	1/31/2017	\$468,891
Levine, Michael Steven	AWD1004956	Grant	Developmental Patterning of the Anterior Neural Plate in a Simple Chordate	NIH NINDS	6/29/2016	4/30/2017	\$344,139
Shvartsman, Stanislav Yefimovic	AWD1005040	Grant	Reading and Writing the Morphogenetic Code	Tufts University	4/1/2016	3/31/2017	\$80,300

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7/1/2015 - 6/30/2016

<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Rabinowitz, Joshua D.	AWD1005089	Contract	Reprogramming of Transcriptional Circuitry to Control Pancreatic Cancer	Translational Genomics Research Inst	1/1/2016	12/31/2018	\$973,715
Botstein, David	CNV1000747	Grant	Center for Quantitative Biology	NIH NIGMS	9/1/2009	8/31/2015	\$14,967,521
Murphy, Coleen T.	CNV1000830	Grant	Molecular Mechanisms Regulating Age-Related Cognitive Decline in <i>C. elegans</i>	NIH NIA	8/15/2009	7/31/2015	\$1,449,765
Andolfatto, Peter	CNV1000842	Grant	Adaptive Evolution of Non Coding DNA and Gene Expression Divergence in <i>Drosophila</i>	NIH NIGMS	9/1/2009	7/31/2015	\$1,469,451
Dolinski, Kara J.	CNV1001369	Grant	BioGRID: An Open Integrated Resource for Biological Interaction Data	Samuel Lunenfeld Research Institute	2/10/2011	1/31/2017	\$2,238,271
Singh, Mona	CNV1001372	Grant	Collaborative Research: ABI Development: Algorithms and Software for Discovery of Non-sequential Protein Structure Similarities	National Science Foundation	5/1/2011	12/31/2015	\$200,001
Troyanskaya, Olga G.	CNV1001397	Contract	Modeling Immunity for Biodefense	Mt. Sinai School of Medicine	9/30/2010	9/29/2015	\$687,829
Gregor, Thomas	CNV1001436	Grant	The Biophysical and Molecular Mechanisms of Reliability in Development	NIH NIGMS	7/21/2011	7/11/2016	\$1,297,527
Shaevitz, Joshua William	CNV1001486	Grant	A New Paradigm for Quantifying Animal Behavior in a Model Genetic System	NIH NIGMS	8/1/2011	5/31/2016	\$1,581,724
Shvartsman, Stanislav Yefimovic	CNV1001530	Grant	EFRI-MIKS: Multiscale Analysis of Morphogen Gradients	National Science Foundation	9/1/2011	8/31/2016	\$2,000,000
Dolinski, Kara J.	CNV1001542	Grant	Systematic Data Curation and Integration to Link Models of Human Disease	NIH Office of the Director	9/14/2011	7/31/2016	\$2,552,678
Shvartsman, Stanislav Yefimovic	CNV1001546	Grant	Systems Biology of MAPK Signaling in Early <i>Drosophila</i> Embryo	NIH NIGMS	9/15/2011	8/31/2015	\$1,406,887
Gregor, Thomas	CNV1001668	Grant	Controlling Collective Behavior in Eukaryotic Cell Populations	NIH NIGMS	2/1/2012	1/31/2017	\$1,061,636
Shaevitz, Joshua William	CNV1001812	Grant	Predator-prey Interactions and Structure Formation in Myxobacterial Social Behavior	Human Frontier Science Prog Org (HFSP)	5/1/2012	10/31/2015	\$164,917
Storey, John D.	CNV1001850	Grant	Large-Scale Inference of High-Dimensional Data: Dependence and Latent Structure	Office of Naval Research	6/15/2012	3/31/2016	\$1,036,481
Murphy, Coleen T.	CNV1001899	Grant	Glenn Center For Quantitative Aging Research at Princeton University	Glenn Foundation for Medical Research	8/1/2012	7/31/2017	\$3,000,000
Singh, Mona	CNV1001944	Grant	Predicting and Analyzing Protein Interaction Networks	NIH NIGMS	8/10/2012	3/31/2017	\$1,220,035
Rabinowitz, Joshua D.	CNV1001958	Grant	University of Pennsylvania Diabetes Research Center	University of Pennsylvania	5/15/2012	3/31/2017	\$1,348,349
Rabinowitz, Joshua D.	CNV1001966	Grant	Mechanisms and Consequences of Metabolic Manipulation by Human Cytomegalovirus	NIH NIAID	8/17/2012	7/31/2017	\$2,183,966
Storey, John D.	CNV1002022	Grant	Models and Methods for Population Genomics	NIH NHGRI	8/25/2012	6/30/2016	\$880,511

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Rabinowitz, Joshua D.	CNV1002060	Grant	Identification of Metabolic Vulnerabilities of Ras-Driven Cancer Cells	Rutgers University - New Brunswick	7/1/2012	6/30/2017	\$1,145,098
Shvartsman, Stanislav Yefimovic	CNV1002161	Grant	NSF Science and Technology Center: Emergent Behaviors of Integrated Cellular Systems (EBICS)	Massachusetts Institute of Technology	9/1/2012	8/31/2016	\$432,000
Tank, David W.	CNV1002179	Grant	Cellular Resolution Imaging Of Cortical Dynamics During Executive Function	NIH NINDS	2/1/2013	1/31/2016	\$423,769
Bialek, William	CNV1002695	Grant	Statistical Mechanics of Self-Assembly	Human Frontier Science Prog Org (HFSP)	9/1/2013	8/31/2016	\$161,280
Botstein, David	CNV1002700	Grant	Genetics of Functional Interactions in Yeast	NIH NIGMS	9/1/2013	8/31/2017	\$2,180,851
Storey, John D.	CNV1002701	Grant	Statistical Methods for High-Throughput Gene Expression Profiling	NIH NHGRI	8/22/2013	6/30/2017	\$1,121,151
Lieb, Jason Dillon	CNV1002906	Grant	Genes, Genomes, and Genotoxicity: in Vivo Epigenetic Toxicology of 1,3-Butadiene	Univ of No Carolina at Chapel Hill	8/26/2013	5/31/2017	\$324,641
Shvartsman, Stanislav Yefimovic	CNV1003091	Grant	Dynamics of Epithelial Morphogenesis	NIH NIGMS	5/1/2014	1/31/2018	\$1,222,902
Murphy, Coleen T.	CNV1003160	Grant	Identification of Genes and Small Molecules to Prevent Maternal Age-Dependent Oocyte Decline and Aneuploidy	March of Dimes- Birth Defects Foundation	6/1/2014	5/31/2017	\$275,000
Murphy, Coleen T.	CNV1003233	Grant	Identifying Genes that Confer Injury-induced Regenerative Ability to Aging Neuronal Axon	NJ Commission on Brain Injury Research	5/30/2014	5/29/2017	\$217,872

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Linke, Daniel Joseph	CNV1002824	Grant	Digitizing the Origins of the Cold War: Developing a Sustainable Digitization Model at the Seeley G. Mudd Manuscript Library	Ntl Archives & Records Administration	1/1/2013	12/31/2015	\$109,570
Magier, David S.	CNV1002986	Grant	Princeton University Library's Latin American Ephemera Project	Council on Library & Info. Resources	3/1/2014	2/28/2017	\$199,868

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Dafermos, Michael C.	AWD1004006	Grant	The Mathematical Analysis of Black Holes and Spacetime Singularities in General Relativity	National Science Foundation	7/1/2014	6/30/2017	\$189,351
Klainerman, Sergiu	AWD1004007	Grant	Problems in Nonlinear Hyperbolic Equations	National Science Foundation	7/15/2014	6/30/2017	\$360,000
Levine, Adam Simon	AWD1004037	Grant	Floer Homology and Surfaces in 3- and 4-Manifolds	National Science Foundation	8/1/2014	7/31/2017	\$168,803
Zhang, Shou-Wu	AWD1004098	Grant	Topics in Arithmetic Geometry	National Science Foundation	8/15/2014	7/31/2017	\$227,999
Zhang, Shou-Wu	AWD1004200	Grant	Analysis, Spectra, and Number Theory	National Science Foundation	11/1/2014	10/31/2015	\$50,000
Naor, Assaf	AWD1004225	Grant	Simons Collaboration on Algorithms and Geometry - Director	The Simons Foundation	7/1/2014	6/30/2018	\$1,386,223
Naor, Assaf	AWD1004263	Grant	Packard Foundation Fellowship Grant	The David and Lucile Packard Foundation	12/10/2014	10/31/2017	\$440,291
Klainerman, Sergiu	AWD1004358	Grant	Research Leave for Sergiu Klainerman	The Simons Foundation	9/1/2015	8/31/2016	\$132,000
Ozsvath, Peter Steven	AWD1004442	Grant	RTG: Geometry and Topology at Princeton	National Science Foundation	9/1/2015	8/31/2020	\$2,497,698
Caraiani, Ana	AWD1004443	Grant	The P-Adic Geometry of Shimura Varieties and Applications to the Langlands Program	National Science Foundation	7/1/2015	6/30/2018	\$159,469
Vicol, Vlad Cristian	AWD1004444	Grant	Sloan Research Fellowship	Alfred P. Sloan Foundation	9/15/2015	9/14/2017	\$50,000
Chang, Sun-Yung Alice	AWD1004445	Grant	Partial Differential Equations for Manifolds with Boundary	National Science Foundation	7/1/2015	6/30/2018	\$419,999
Coda Santos Cavalcanti Marques, Fernando	AWD1004453	Grant	Geometry, Analysis and Variational Methods	National Science Foundation	7/1/2015	6/30/2018	\$370,974
Ozsvath, Peter Steven	AWD1004456	Grant	Contact Structures and Floer Homology on 3-Manifolds with Boundary	National Science Foundation	7/1/2015	6/30/2018	\$159,464
Vicol, Vlad Cristian	AWD1004457	Grant	Mathematical Analysis of Fluid Flow at High Reynolds Number from the Point of View of Turbulence	National Science Foundation	8/1/2015	7/31/2018	\$177,063
Skinner, Christopher McLean	AWD1004461	Grant	The 2015 Simons Foundation Investigators in Mathematics, Physics and Theoretical Computer Science Program-Parent	The Simons Foundation	8/1/2015	7/31/2020	\$660,119
Skinner, Christopher McLean	AWD1004475	Grant	Galois Representations and Modular Forms	Institute for Advanced Study	9/1/2014	6/30/2016	\$123,600
Ionescu, Alexandru D.	AWD1004499	Grant	FRG: Collaborative Research: Long-Term Dynamics of Nonlinear Dispersive and Hyperbolic Equations: Deterministic and Probabilistic Methods	National Science Foundation	7/1/2015	6/30/2018	\$509,002
Patakfalvi, Zsolt	AWD1004569	Grant	Problems In Higher Dimensional Algebraic Geometry	National Science Foundation	8/15/2015	7/31/2018	\$162,000
Fefferman, Charles Louis	AWD1004651	Grant	Fitting Smooth Functions To Data	U.S.-Israel Binational Science Fdn.	10/1/2015	9/30/2019	\$44,175
Ionescu, Alexandru D.	AWD1004663	Grant	Conference on Analysis and Geometry	National Science Foundation	1/1/2016	12/31/2016	\$20,000
Klainerman, Sergiu	AWD1004664	Grant	Problems in Mathematical GR: Fall 2015 Trimester at IHP	National Science Foundation	11/1/2015	10/31/2016	\$50,000

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Marcus, Adam Wade	AWD1004831	Grant	CAREER: New Techniques for High Dimensional Systems	National Science Foundation	6/1/2016	5/31/2021	\$402,166
Kollar, Janos	CNV1001102	Grant	Algebraic Geometry of Moduli Spaces	National Science Foundation	7/1/2010	12/31/2015	\$304,963
Gabai, David	CNV1001124	Grant	Problems in Low Dimensional Geometry and Topology	National Science Foundation	7/1/2010	6/30/2017	\$790,971
Chang, Sun-Yung Alice	CNV1001363	Grant	Non-linear Partial Differential Equations in Geometry	National Science Foundation	7/1/2011	6/30/2016	\$790,000
Katz, Nicholas Michael	CNV1001364	Grant	Studies in Arithmetic Algebraic Geometry	National Science Foundation	7/1/2011	6/30/2016	\$180,000
Klainerman, Sergiu	CNV1001376	Grant	FRG:Mathematical Theory of Gravitational Collapse in General Relativity	National Science Foundation	7/1/2011	6/30/2016	\$1,470,506
Coda Santos Cavalcanti Marques, Fernando	CNV1001389	Grant	Partial Regularity and Rigidity Problems Associated to Geometric Elliptic Systems	National Science Foundation	6/1/2011	5/31/2016	\$161,912
Ionescu, Alexandru D.	CNV1001633	Grant	Packard Foundation Fellowship Grant	The David and Lucile Packard Foundation	6/1/2011	10/31/2015	\$145,220
Fefferman, Charles Louis	CNV1001913	Grant	Interpolation by Smooth Functions and Smooth Manifolds	Air Force Office of Scientific Research	8/15/2012	8/14/2017	\$817,881
Klainerman, Sergiu	CNV1001934	Grant	Analysis of Black Hole Spacetimes	National Science Foundation	8/1/2012	7/31/2016	\$161,071
Bhargava, Manjul	CNV1001957	Grant	Simons Investigator Award	The Simons Foundation	8/1/2012	7/31/2017	\$660,000
Singer, Amit	CNV1001959	Grant	Simons Investigator Award	The Simons Foundation	8/1/2012	7/31/2017	\$660,000
Ozsvath, Peter Steven	CNV1002015	Grant	Heegaard Diagrams and Holomorphic Disks	National Science Foundation	7/1/2012	12/31/2016	\$422,037
Dvir, Zeev	CNV1002577	Grant	Alfred P. Sloan Research Fellowship for Dr. Zeev Dvir in Mathematics	Alfred P. Sloan Foundation	9/15/2013	9/14/2017	\$50,000
Ionescu, Alexandru D.	CNV1002584	Grant	Global Solutions of Semilinear and Quasilinear Dispersive Equations	National Science Foundation	7/1/2013	6/30/2017	\$397,000
Sarnak, Peter Clive	CNV1002585	Grant	Randomness in Number Theory and Automorphic Forms	National Science Foundation	7/1/2013	6/30/2018	\$608,000
Bhargava, Manjul	CNV1002586	Grant	Number Theory, Representation Theory, and Arithmetic Geometry	National Science Foundation	7/1/2013	6/30/2018	\$690,000
Szabo, Zoltan	CNV1002587	Grant	Heegaard Floer Homology, Knots, and Three-manifolds	National Science Foundation	7/1/2013	6/30/2017	\$452,367
Tian, Gang	CNV1002588	Grant	Geometric Equations and Geometric Applications	National Science Foundation	7/1/2013	6/30/2017	\$486,632
Sheridan, Nicholas James	CNV1002590	Grant	The Relative Fukaya Category and Mirror Symmetry	National Science Foundation	8/1/2013	7/31/2016	\$158,215
Sinai, Yakov G.	CNV1002592	Grant	New Trends in Mathematical Fluid Dynamics and Ergodic Number Theory	National Science Foundation	8/1/2013	7/31/2017	\$204,000
Aretakis, Stefanos	CNV1002593	Grant	Analysis of Extremal Black Holes	National Science Foundation	8/1/2013	7/31/2016	\$148,000
Fefferman, Charles Louis	CNV1002594	Grant	Fourier Analysis and Partial Differential Equations	National Science Foundation	9/1/2013	8/31/2017	\$687,231
Pusateri, Fabio Giuseppe	CNV1002596	Grant	Asymptotic Behavior for Dispersive and Hyperbolic PDEs	National Science Foundation	8/15/2013	7/31/2017	\$109,000

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<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Skinner, Christopher McLean	CNV1002598	Grant	L-values, Galois Representations, and Elliptic Curves	National Science Foundation	8/15/2013	7/31/2017	\$140,000
Aizenman, Michael	CNV1002600	Grant	Topics in the Spectral Theory of Random Operators and in Statistical Mechanics	National Science Foundation	9/1/2013	8/31/2016	\$186,000
Coda Santos Cavalcanti Marques, Fernando	CNV1002601	Grant	Mean Curvature Flow, Minimal Surfaces and Ricci Flow	National Science Foundation	9/15/2013	8/31/2017	\$157,897
Vicol, Vlad Cristian	CNV1002946	Grant	Regularity, Stability, and Singular Limits in Fluid Dynamics	National Science Foundation	1/1/2013	8/31/2015	\$103,632
Zhang, Shou-Wu	CNV1002999	Grant	FRG: Collaborative Research: Periods of Automorphic Forms and Applications to L-Functions	National Science Foundation	9/1/2013	6/30/2016	\$183,806
Sarkar, Sucharit	CNV1003042	Grant	CAREER: Extending and Unifying Modern Homological Invariants in Low Dimensional Topology	National Science Foundation	7/1/2014	7/1/2016	\$141,332
Kollar, Janos	CNV1003132	Grant	Marie Curie: ModPosChar Moduli of Canonically Polarized Varieties in Positive Characteristic	University of Cyprus	1/5/2015	1/4/2016	\$24,973
Kollar, Janos	CNV1003134	Grant	Families of Varieties of General Type	National Science Foundation	8/1/2014	7/31/2019	\$670,000
Ozsvath, Peter Steven	CNV1003227	Grant	Heegaard Diagrams and Holomorphic Disks	National Science Foundation	7/1/2014	6/30/2017	\$353,086

Mechanical and Aerospace Engineering

ACTIVE SPONSORED AWARDS

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<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Raitses, Yevgeny	AWD1004045	Contract	Coherent Structures in Plasmas Relevant to Electric Propulsion	Stanford University	5/15/2014	9/14/2015	\$724,909
Kasdin, N. Jeremy	AWD1004079	Contract	Coronagraphy and Wavefront Control for the On-Axis AFTA Telescope	Cal Tech - Jet Propulsion Lab (JPL)	6/30/2014	9/24/2017	\$1,062,329
Stone, Howard A.	AWD1004087	Grant	Nanoemulsions Via Bubble Bursting at Compound Interfaces	Unilever R&D Vlaardingen B.V.	12/15/2013	12/14/2015	\$200,000
Kasdin, N. Jeremy	AWD1004125	Grant	Optimal Electric Field Estimation for Exoplanet Imaging Observatories in Space (A.J. Riggs, NASA NSTRF Part B)	NASA Headquarters - Washington	8/1/2014	5/31/2016	\$142,000
Hultmark, Marcus Nils	AWD1004127	Grant	Experimental Investigation of the Scalability of Wind Turbine Aerodynamics	National Science Foundation	7/15/2014	6/30/2017	\$330,000
Shneider, Mikhail	AWD1004133	Grant	Collaborative Research: Physics Based Modeling of Blue Jets	National Science Foundation	9/1/2014	8/31/2016	\$90,000
Shneider, Mikhail	AWD1004137	Grant	Collaborative Research: Pre-Ionization Controlled Laser Plasma Formation for Ignition Applications	DOE - Washington	8/1/2014	7/31/2017	\$90,000
Leonard, Naomi Ehrich	AWD1004148	Grant	Bio-inspired Scalable Collaboration of Autonomous Vehicles that Sense, Learn, and Decide	Office of Naval Research	7/1/2014	6/30/2018	\$2,250,000
Shneider, Mikhail	AWD1004151	Grant	Collaborative Research: Pre-Ionization Controlled Laser Plasma Formation for Ignition Applications	National Science Foundation	9/15/2014	8/31/2017	\$15,000
Miles, Richard Bryant	AWD1004178	Grant	Deflection, Destabilization and Guiding of High Speed Objects in Air	Army Research Office	9/25/2014	3/31/2016	\$608,066
Kasdin, N. Jeremy	AWD1004179	Grant	Optical and Mechanical Verification of an External Occulter for Starlight Suppression	NASA Headquarters - Washington	8/25/2014	8/24/2017	\$1,250,000
Smits, Alexander John	AWD1004181	Grant	MURI: Bio-Inspired Flexible Propulsors for Fast, Efficient Swimming: What Physics are we Missing?	University of Virginia	7/1/2014	9/30/2017	\$2,000,000
Bou Zeid, Elie R.	AWD1004246	Grant	Rapid Modifications of Land Surface Temperature During Rainfall: Basics and Implications	Army Research Office	1/1/2015	6/30/2018	\$360,263
Rowley III, Clarence Worth	AWD1004247	Grant	Flow Physics and Nonlinear Dynamics of Separated Flows Subjected to ZNMF-Based Control	Florida State University	9/15/2014	9/14/2017	\$370,461
Stone, Howard A.	AWD1004249	Contract	Marie Curie: "SOFTEVA- Drying of Complex Fluids on Soft Substrates"	University of Paris Diderot	6/1/2014	5/31/2016	\$45,150
Dryer, Frederick Lewis	AWD1004259	Contract	Characterization of Global Combustion Behaviors of Jet Fuels and Experimental Studies on Jet Fuel Surrogate Components	Universal Technology Corporation	10/29/2014	9/30/2016	\$400,000
Law, Chung King	AWD1004261	Grant	Structure and Response of Spherical Diffusion Flame (Revised Renewal August 2014)	NASA Glenn Research Center	11/25/2014	11/24/2019	\$630,000
Glaser, Alexander	AWD1004268	Grant	Consortium for Verification Technology	University of Michigan	9/1/2014	8/31/2019	\$2,486,251

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ACTIVE SPONSORED AWARDS

7/1/2015 - 6/30/2016

<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Kolemen, Egemen	AWD1004330	Contract	Plasma Control Research on the DIII-D Tokamak	Princeton Plasma Physics Laboratory	3/11/2015	2/28/2018	\$150,000
Kasdin, N. Jeremy	AWD1004331	Grant	Formation Flying for External Occulters	NASA Headquarters - Washington	1/1/2015	12/31/2017	\$372,495
Shneider, Mikhail	AWD1004335	Contract	Modeling and Theoretical Support Of In-Situ Laser Diagnostics Development and Applications for Plasma Nanosynthesis Project	Princeton Plasma Physics Laboratory	3/26/2015	2/28/2018	\$243,000
Groff, Tyler D.	AWD1004338	Grant	Integral Precision Wavefront Correcting Optics for Coronagraphy	NASA Headquarters - Washington	5/6/2015	11/5/2016	\$163,383
Shneider, Mikhail	AWD1004349	Grant	Control of Microstructure of Water by a Laser for Applications in Future Underwater Sensor and Communication Technology	Office of Naval Research	3/15/2015	2/28/2018	\$650,000
Choueiri, Edgar Yazid	AWD1004355	Grant	Construction and Testing of an Advanced Propulsion Concept Driven by the Ponderomotive Force (SURP 2015)	Cal Tech - Jet Propulsion Lab (JPL)	10/14/2014	9/27/2015	\$65,000
Miles, Richard Bryant	AWD1004359	Contract	Wake Following	DE Technologies, Inc.	1/12/2015	3/31/2016	\$100,000
Miles, Richard Bryant	AWD1004367	Grant	Stand-Off Detection of Magnetic Anomalies by Circular Polarized Laser Interactions	Office of Naval Research	4/1/2015	12/31/2017	\$750,000
Law, Chung King	AWD1004405	Grant	Investigations on Hydrodynamic and Diffusional-thermal Flamefront Instabilities	National Science Foundation	6/1/2015	5/31/2018	\$277,000
Ju, Yiguang	AWD1004409	Grant	Highly Sensitive H02 Diagnostics and Oxidation Kinetics of Oxygenated Fuels at High Pressure	National Science Foundation	7/1/2015	6/30/2018	\$300,000
Dogariu, Arthur	AWD1004452	Contract	Feasibility Demonstration for Handheld Optical Explosives Trace Detector (HOETD)	The Johns Hopkins University	6/15/2015	3/31/2016	\$100,000
Dryer, Frederick Lewis	AWD1004459	Contract	Compact Kinetic Mechanisms for Petroleum-Derived and Alternative Aviation Fuels (Phase II)	Spectral Energies LLC	5/1/2015	10/31/2016	\$300,000
Littman, Michael G.	AWD1004465	Grant	Strategies: Collaborative Research: American Innovations in an Age of Discovery: Teaching Science and Engineering through 3D-printed Historical Reconstructions	National Science Foundation	7/1/2015	6/30/2018	\$143,682
Stone, Howard A.	AWD1004466	Grant	Fluid-driven Fracture of Elastic Materials, Flowback Dynamics and the Effect of Proppants	National Science Foundation	7/1/2015	6/30/2018	\$300,000
Hultmark, Marcus Nils	AWD1004484	Grant	Physical Mechanisms of Wall-Bounded Turbulence and Turbulent Mixing at Extreme Reynolds	National Science Foundation	7/1/2015	6/30/2018	\$319,320
Miles, Richard Bryant	AWD1004496	Contract	Short Pulsed Laser Methods for Velocimetry and Thermometry in High Enthalpy Facilities	MetroLaser, Inc.	6/17/2015	12/17/2015	\$32,805
Miles, Richard Bryant	AWD1004513	Grant	Control of Static and Dynamic Stall in a Wide Range of Mach Numbers by Plasma Actuators with Combined Energy/Momentum Action	Army Research Office	5/13/2015	5/12/2018	\$450,000

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ACTIVE SPONSORED AWARDS

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<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Mikhaylova, Yulia	AWD1004534	Grant	Attosecond Electron Synchrotron on a Nanoscale: Intense X-Ray Pulses from Laser--Solid Interaction	National Science Foundation	8/15/2015	7/31/2018	\$300,000
Miles, Richard Bryant	AWD1004549	Grant	Stand Off Detection of Trace Species by Simultaneous Radar REMPI and Backward Lasing	Office of Naval Research	8/1/2015	7/31/2018	\$750,000
Miles, Richard Bryant	AWD1004567	Grant	Calibration and Certification of Molecular Tracking for the Measurement of Near Wall Stresses in High Speed, Unseeded Air and Nitrogen (Revised 12-18-2014)	Air Force Office of Scientific Research	9/1/2015	8/31/2018	\$562,000
Shneider, Mikhail	AWD1004594	Grant	Collaborative Research: Exploring Cold Atmospheric Plasma Physics	National Science Foundation	9/15/2015	8/31/2018	\$75,000
Dryer, Frederick Lewis	AWD1004615	Contract	IQT Measurements for Oil Derived Cetane Number	Infineum USA L.P.	7/1/2015	6/30/2016	\$100,000
Kasdin, N. Jeremy	AWD1004650	Contract	Design and Manufacture of CHARIS: An Integral Field Spectrograph for Exoplanet Observations for Subaru Telescope	Subaru Telescope, NAOJ	4/1/2015	3/31/2017	\$324,978
Law, Chung King	AWD1004672	Grant	Flame Dynamics and Chemistry in LRE Combustion Instability	Air Force Office of Scientific Research	9/1/2015	8/31/2016	\$100,000
Mueller, Michael Edward	AWD1004680	Contract	Detailed Soot Modeling with Emphasis on Oxidizing Environments	Sandia National Laboratories	7/1/2015	12/31/2015	\$30,000
Smits, Alexander John	AWD1004695	Grant	Turbulence at Reynolds Numbers Typical of Navy Operations	Office of Naval Research	4/1/2015	3/31/2018	\$339,955
Martinelli, Luigi	AWD1004723	Grant	FAA Joint University Program for Air Transportation Proposal for Activities by Princeton University - 2015-16	Federal Aviation Agency (DOT)	12/30/2015	12/29/2016	\$150,000
Kasdin, N. Jeremy	AWD1004730	Contract	WFIRST Science Investigation Teams and Adjutant Scientists	NASA Goddard Space Flight Center	4/26/2016	4/25/2018	\$345,420
Kasdin, N. Jeremy	AWD1004736	Contract	Coronagraph Design Optimization Consultation	Cal Tech - Jet Propulsion Lab (JPL)	1/25/2016	1/1/2017	\$50,000
Mueller, Michael Edward	AWD1004746	Grant	Student Travel Grant - 2016 Spring Technical Meeting of the Eastern States Section of the Combustion Institute	National Science Foundation	3/1/2016	8/31/2016	\$10,000
Glaser, Alexander	AWD1004748	Contract	Minimally Intrusive Verification of Deep Nuclear Warhead Reductions: A Fresh Look at the Buddy-Tag Concept	U.S. Department of State	9/30/2015	9/29/2017	\$55,000
Kolemen, Egemen	AWD1004771	Contract	Advanced Scenario Development and Control at NSTX-U and EAST	Princeton Plasma Physics Laboratory	3/4/2016	9/30/2018	\$109,571
Won, Sang Hee	AWD1004776	Contract	Research on Characterization of Fuel Combustion Property for Aviation Fuels	Sejong University	10/14/2015	9/7/2016	\$164,228
Ju, Yiguang	AWD1004778	Grant	Multiscale and Correlated Dynamic Adaptive Chemistry and Transport Modeling of Ignition and Flame Regimes of Stratified Fuel Mixtures	Army Research Office	3/15/2016	11/14/2017	\$195,000

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<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Choueiri, Edgar Yazid	AWD1004781	Contract	Numerical Tool for Evaluating Hall Thruster Stability	Cal Tech - Jet Propulsion Lab (JPL)	12/21/2015	6/5/2016	\$23,000
Miles, Richard Bryant	AWD1004819	Grant	Silicon Carbide Semiconductor Array for Enhanced Surface Dielectric Barrier Discharge Driven Flow	Army Research Office	4/21/2016	4/20/2017	\$122,441
Hultmark, Marcus Nils	AWD1004868	Grant	Theoretical and Experimental Characterization of Turbulent Heat Transfer in Compressible Flows	Air Force Office of Scientific Research	6/1/2016	5/31/2019	\$360,000
Miles, Richard Bryant	AWD1004946	Contract	SBIR Phase I: Laser Scattering Diagnostic for Shock Front Arrival and Electron Number Density	MetroLaser, Inc.	6/9/2016	12/10/2016	\$10,824
Miles, Richard Bryant	AWD1004967	Contract	STTR Phase II: Short Pulsed Laser Techniques for Measurement of Multiple Properties in High Enthalpy Facilities	MetroLaser, Inc.	6/15/2016	5/2/2018	\$153,000
Law, Chung King	AWD1005095	Grant	Studies of High-Pressure Acoustic Combustion Instabilities in Hydrocarbon-Oxygen Liquid-Propellant Rocket Engines Based on Reduced Chemical-Kinetic Mechanisms	University of California at San Diego	6/15/2016	6/14/2018	\$280,000
Law, Chung King	CNV1000862	Cooperative Agreement	Structure and Response of Spherical Diffusion Flames (Renewal June 2009)	NASA Glenn Research Center	10/1/2009	9/30/2015	\$375,000
Dryer, Frederick Lewis	CNV1000879	Cooperative Agreement	Scientific Support for a Space-Based Droplet Burning Experiment	NASA Glenn Research Center	9/1/2009	8/31/2017	\$680,000
Martinelli, Luigi	CNV1001174	Grant	FAA Joint University Program for Air Transportation-- Proposal for Activities by Princeton University	Federal Aviation Agency (DOT)	8/9/2010	9/21/2015	\$725,000
Stone, Howard A.	CNV1001453	Grant	The Influence of Quorum Sensing and Flow on the Organization of Biofilm Streamers	National Science Foundation	8/1/2011	7/31/2015	\$632,342
Suckewer, Szymon	CNV1001511	Grant	Lasing Without Inversion in He and He-like Ions in XUV & X-Ray Regions	National Science Foundation	9/1/2011	8/31/2015	\$524,795
Choueiri, Edgar Yazid	CNV1001515	Grant	Plasma/Electrode Interactions in Plasma Propulsion and High Current Density Environments	Air Force Office of Scientific Research	9/1/2011	8/31/2016	\$1,230,000
Leonard, Naomi Ehrich	CNV1001540	Grant	CPS: Medium: Collaborative Research: Remote Imaging of Community Ecology via Animal-borne Wireless Networks	National Science Foundation	9/15/2011	8/31/2017	\$400,000
Suckewer, Szymon	CNV1001551	Grant	Compact Ultraintense Femtosecond Laser via Raman Backscattering in Plasma	DOE - Chicago	8/1/2011	7/31/2015	\$389,332
Miles, Richard Bryant	CNV1001606	Grant	Standoff Detection of Trace Molecules by Remote High Gain Backward Lasing in Air	Office of Naval Research	11/1/2011	10/31/2015	\$835,435
Choueiri, Edgar Yazid	CNV1001646	Contract	Research on Advanced Audio Techniques and Applied Acoustics	SCA IPLA Holdings Inc.	1/1/2012	6/30/2016	\$2,950,000
Rowley III, Clarence Worth	CNV1001721	Grant	Identifying the Flow Physics and Modeling Transient Forces on Two-Dimensional Wings (Revised Budget 11-22-2011)	Air Force Office of Scientific Research	3/15/2012	9/14/2015	\$616,439

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<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Ju, Yiguang	CNV1001757	Grant	Studies of Turbulent Flame Propagation and Chemistry Interaction at Elevated Temperature and Large Reynolds Numbers	Air Force Office of Scientific Research	4/1/2012	7/31/2015	\$480,000
Ju, Yiguang	CNV1001785	Grant	Multiscale Adaptive Large Eddy Simulation and Direct Numerical Simulation of Turbulent-Chemistry Interaction of Stratified Charge Ignition of JP-8 and Diesel Surrogate Fuels	Army Research Office	5/1/2012	12/31/2015	\$330,575
Holmes, Philip John	CNV1001883	Grant	BSF Application 2011059: The Control and Coordination of Six-Legged Locomotion	U.S.-Israel Binational Science Fdn.	10/1/2012	9/30/2017	\$72,850
Smits, Alexander John	CNV1001940	Grant	ONR: MURI: Slippery Liquid-Infused Porous Surfaces (SLIPS) for Turbulent Drag Reduction at High Reynolds Number	Office of Naval Research	6/1/2012	5/31/2017	\$3,748,999
Smits, Alexander John	CNV1001951	Grant	Super-Hydrophobic Surface for Skin Friction Drag Reduction in High Reynolds Number Turbulent Flow- Additional Task dated June 1, 2012 to Slippery Liquid-Infused Porous Surfaces (SLIPS) for Turbul	Office of Naval Research	6/16/2012	10/15/2017	\$670,000
Stone, Howard A.	CNV1001986	Grant	Liquid Metals as Plasma-Facing Materials for Fusion Energy Systems: From Atoms to Tokamaks	DOE - Washington	8/1/2012	7/31/2016	\$1,190,728
Stone, Howard A.	CNV1002016	Grant	MPS-BIO: Collaborative Research: Mathematical and Experimental Study of Lipid Bilayer Shape and Dynamics Mediated by Surfactants and Proteins	National Science Foundation	9/15/2012	8/31/2016	\$181,667
Suckewer, Szymon	CNV1002021	Grant	Research on Improvement Efficiency and Focussibility of Ultra-Intense Beam of Stimulated Raman Backscattering Amplifier/Compressor in Plasma	DOE - National Nuclear Security Admin	9/28/2012	9/27/2016	\$783,639
Stone, Howard A.	CNV1002032	Grant	Axial Dispersion Due Shear-Enhanced Diffusion in Suspensions	National Science Foundation	9/1/2012	8/31/2015	\$282,357
Miles, Richard Bryant	CNV1002189	Grant	Magnetic Anomaly Detection by Remote Means	Office of Naval Research	1/1/2013	12/31/2015	\$600,000
Ju, Yiguang	CNV1002519	Grant	An Investigation on Structures of Premixed Flames in High Intensity Turbulent Flow	University of Texas at El Paso	5/1/2013	5/30/2016	\$75,000
Miles, Richard Bryant	CNV1002522	Grant	NASA Space Technology Research Fellowships Fall 2013 Fellowship Start (NSTRF13-Christopher John Peters)	NASA Headquarters - Washington	8/1/2013	7/31/2017	\$283,948
Martinelli, Luigi	CNV1002523	Grant	Collaborative Research: A Multi-Scale Approach for Optimizing Tidal Kinetic Energy Extraction for Sustainable Power Generation	National Science Foundation	9/1/2013	8/31/2017	\$163,358
Smits, Alexander John	CNV1002840	Grant	Friction Drag Reduction Using Superhydrophobic Surface in High Reynolds Number Turbulent Flow	Office of Naval Research	2/15/2013	4/30/2017	\$300,000

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7/1/2015 - 6/30/2016

<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Ju, Yiguang	CNV1002883	Grant	Effects of Exhaust Gas Recirculation (EGR) on Turbulent Combustion and Emissions in Advanced Gas Turbine Combustors with High-Hydrogen-Content (HHC) Fuels	Purdue University	10/1/2013	9/30/2016	\$220,000
Stone, Howard A.	CNV1002917	Contract	Non-Equilibrium Transport: Into Biosubstrate (and Fibrous) Systems	Unilever R&D, Port Sunlight	1/1/2014	3/31/2017	\$409,797
Dryer, Frederick Lewis	CNV1002994	Grant	An Experimental and Chemical Kinetics Study of the Combustion of High Hydrogen Content Fuels: Detailed Species Predictions and Contaminant	University of South Carolina	10/1/2013	9/30/2017	\$161,912
Leonard, Naomi Ehrich	CNV1003231	Grant	Dynamical Systems, Control and Optimization	Belgian Science Policy Office	4/1/2012	6/30/2016	\$14,175

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<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Shenk, Thomas Eugene	AWD1004000	Grant	HCMV-Mediated Changes in Cellular Metabolism Regulated by Sirtuin 1 and 6	American Cancer Society, Inc. (ACS)	7/1/2014	6/30/2017	\$163,500
Korenykh, Alexei V.	AWD1004002	Grant	Systems Biology of Interferon-Activated RNA Decay in Cancer Metastasis	Sidney Kimmel Fdn for Cancer Research	7/1/2014	6/30/2016	\$200,036
Petry, Sabine	AWD1004009	Grant	Molecular Basis of the Chromosome Segregation Machinery and its Malfunction	Sidney Kimmel Fdn for Cancer Research	7/1/2014	6/30/2016	\$200,014
Schwarzbauer, Jean E.	AWD1004012	Contract	Impact of Alloderm on Post-surgical Wound Fluid Biomarkers	Rutgers University - New Brunswick	1/8/2014	7/21/2015	\$55,755
Petry, Sabine	AWD1004018	Grant	Building the Microtubule Cytoskeleton via Microtubule Nucleation	The Pew Charitable Trusts	8/1/2014	7/31/2019	\$240,073
Ren, Guangwen	AWD1004040	Grant	Mesenchymal Stromal Cells and Stromal Fibroblasts in Radiotherapy Resistance	NIH NCI	7/1/2014	10/31/2016	\$178,612
Notterman, Daniel A.	AWD1004046	Grant	Reciprocal Genetic-Environmental Interactions During Childhood and Adolescence	NIH NICHD	5/1/2014	4/30/2018	\$3,349,270
Kang, Yibin	AWD1004073	Grant	Targeting Metadherin to Reduce the Initiation and Metastasis of Breast Cancer	Breast Cancer Research Foundation	10/1/2014	9/30/2015	\$201,679
Brynildsen, Mark Philip	AWD1004092	Grant	Development of a Method to Rapidly Quantify Persister Gene Expression	NIH NIAID	8/1/2014	7/31/2020	\$290,100
Devenport, Danelle	AWD1004111	Grant	Mechanical Forces in Establishing Long-range Tissue Patterning	Bert L & Natalie K Vallee Fdn, Inc.	9/1/2014	8/31/2019	\$250,000
Schedl, Paul Daniel	AWD1004169	Grant	Factors and Mechanisms Mediating Boundary Function in Drosophila	NIH NIGMS	9/10/2014	6/30/2018	\$1,590,402
Notterman, Daniel A.	AWD1004174	Grant	Biopsychosocial Determinants of Sleep and Wellbeing for Teens in Fragile Families	The Research Foundation S.U.N.Y.	6/1/2014	5/31/2018	\$212,083
Notterman, Daniel A.	AWD1004204	Grant	Measurement Error in Population Health Inequity Research using Novel Biomeasures	University of Michigan	7/1/2014	3/31/2017	\$125,810
Silhavy, Thomas Joseph	AWD1004212	Contract	Evaluation of Potential BAM Pathway Inhibitors	Merck & Co., Inc.	11/10/2014	11/9/2017	\$616,275
Petry, Sabine	AWD1004215	Grant	Building the Microtubule Cytoskeleton via Microtubule Nucleation	The David and Lucile Packard Foundation	10/30/2014	10/29/2019	\$402,500
Wieschaus, Eric Francis	AWD1004218	Grant	Genome Wide Measurement of Concentration Dependent Bicoid Transcription Factor Binding	NIH NICHD	12/1/2014	11/30/2017	\$130,272
Notterman, Daniel A.	AWD1004223	Grant	Autism and Single Nucleotide Polymorphisms in the IGF Pathway	Nancy Lurie Marks Family Foundation	11/1/2014	8/31/2015	\$33,369
Shenk, Thomas Eugene	AWD1004274	Grant	Human Cytomegalovirus-induced Alterations to Cell-surface Adhesion Proteins	NIH NIAID	1/1/2015	12/31/2019	\$2,157,113
Gammie, Alison Elizabeth	AWD1004289	Grant	2015 Genentech Foundation Summer Scholarship	Genentech, Inc.	6/1/2015	8/31/2015	\$18,000
Schupbach, Gertrud Maria	AWD1004290	Grant	EGF Receptor Mediated Signaling in Drosophila	NIH NIGMS	2/1/2015	1/31/2019	\$1,653,583
Ploss, Alexander	AWD1004326	Contract	Investigation of the Role of FGF2 in the Humoral Immune Response	Nadjuvant Biotherapeutics	4/1/2015	2/29/2016	\$24,643

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<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Devenport, Danelle	AWD1004339	Grant	Establishment of Long-Range Tissue Polarity in the Mammalian Epidermis	NIH NIAMS	4/1/2015	3/31/2020	\$1,727,440
Cristea, Ileana M.	AWD1004345	Grant	Identifying the Roles of ARMS2 & HTRA1 in the Pathogenesis of Age-related Macular Degeneration Using Functional Proteomics	The Johns Hopkins University	12/31/2014	12/30/2016	\$224,000
Ploss, Alexander	AWD1004356	Grant	Development of Humanized Mouse Models of Primary and Metastatic Liver Malignancies	Rutgers University - New Brunswick	5/1/2015	2/28/2017	\$50,000
Cristea, Ileana M.	AWD1004373	Grant	Functional Investigation of the TBX20 Cardiac Interactome	Univ of No Carolina at Chapel Hill	4/1/2015	1/31/2019	\$630,727
Zakian, Virginia Araxie	AWD1004380	Grant	Identifying Proteins that Promote Replication Fork Progression at Protein-DNA Complexes	NJ Commission on Cancer Research	1/1/2015	12/31/2016	\$100,000
Shenk, Thomas Eugene	AWD1004384	Grant	The Role of Tumor Suppressor p53 Pathway in HCMV Infection	NJ Commission on Cancer Research	1/1/2015	12/31/2016	\$100,000
Kang, Yibin	AWD1004385	Grant	Exploration of the Dynamics of E-selectin Interaction in Breast Cancer Metastasis	NJ Commission on Cancer Research	1/1/2015	12/31/2016	\$50,000
Kang, Yibin	AWD1004386	Grant	Mechanism and Targeting of MTDH in Breast Cancer	NJ Commission on Cancer Research	1/1/2015	12/31/2016	\$100,000
Ploss, Alexander	AWD1004398	Contract	Dissecting Virus Neutralizing Determinants to Guide HCV Vaccine Development	Scripps Research Institute	3/1/2015	2/29/2016	\$31,425
Enquist, Lynn William	AWD1004399	Grant	PDE5 Inhibition of Afferents and Interstitial Cells in Overactive Mouse Bladders	University of Pittsburgh	10/1/2014	8/31/2019	\$20,582
Enquist, Lynn William	AWD1004413	Grant	Regulation of Herpesvirus Invasion of the Nervous System for Targeted Brain Cancer Therapy	NJ Commission on Cancer Research	1/1/2015	12/31/2016	\$100,000
Zakian, Virginia Araxie	AWD1004414	Grant	The Role of G-Quadruplex Sequences in Ribosomal DNA Transcription and Ribosome Biogenesis or Function	The Ford Foundation	6/1/2015	5/31/2016	\$45,000
Cristea, Ileana M.	AWD1004417	Grant	Emerging Roles for Interferon Inducible Protein IFIX in Innate Immune Response	NIH NIAID	7/1/2015	6/30/2018	\$130,272
Ploss, Alexander	AWD1004423	Contract	Generation of Humanized Mouse Models for Hepatitis B Virus Infection	Gilead Sciences, Inc.	6/1/2015	5/31/2017	\$633,316
Ploss, Alexander	AWD1004427	Contract	Understanding Human Neutralizing Antibodies to Hepatitis C Virus	Scripps Research Institute	6/1/2015	5/31/2016	\$67,800
Ploss, Alexander	AWD1004448	Grant	Deciphering Restrictions of Viral Interspecies Transmission	American Cancer Society, Inc. (ACS)	7/1/2015	6/30/2019	\$792,000
Boulanger, Lisa M.	AWD1004449	Grant	Investigating the Role of MHCI in Excitotoxicity Following Traumatic Brain Injury	NJ Commission on Brain Injury Research	6/1/2015	5/31/2018	\$100,500
Wieschaus, Eric Francis	AWD1004471	Grant	Graduate Program Support for Matthew Lefebvre	Howard Hughes Medical Institute	7/1/2015	6/30/2016	\$78,350
Wieschaus, Eric Francis	AWD1004472	Grant	Graduate Program Support for Amir Momen Roknabadi	Howard Hughes Medical Institute	7/1/2015	5/31/2016	\$34,912

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<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Devenport, Danelle	AWD1004479	Grant	The Role of Directed Mechanical Forces in Coordinating Planar Cell Polarity	American Heart Association	7/1/2015	6/30/2017	\$46,000
Bassler, Bonnie Lynn	AWD1004516	Grant	Manipulating Pseudomonas Aeruginosa Quorum-Sensing to Control Pathogenesis	Jane Coffin Childs Mem. Fund/Med. Resr.	8/1/2015	7/31/2018	\$159,000
Ploss, Alexander	AWD1004517	Grant	Impact of Species-specific Host Responses on Restriction of Hepatotropic Viruses	NIH NIAID	7/1/2015	6/30/2017	\$471,313
Kang, Yibin	AWD1004520	Grant	Ubiquitin-dependent Regulation of EMT in Breast Cancer Metastasis	The Susan G. Komen Breast Cancer Fdn.	7/7/2015	7/6/2018	\$180,000
Schwarzbauer, Jean E.	AWD1004533	Grant	RESBIO - The Technology Resource for Polymeric Biomaterials	Rutgers University - New Brunswick	6/1/2015	5/31/2016	\$104,151
Shenk, Thomas Eugene	AWD1004535	Grant	Viral Modulation of Epigenetic Mechanisms	University of Pennsylvania	4/15/2015	3/31/2020	\$1,129,064
Schwarzbauer, Jean E.	AWD1004554	Grant	A Cell-assembled Matrix Template to Guide Nerve Regeneration in the Spinal Cord	NJ Commission on Spinal Cord Research	6/29/2015	6/30/2018	\$548,914
Gitai, Zemer	AWD1004584	Grant	Mechano-Microbiology: How Physical Forces Control Bacterial-Host Interactions	NIH NIAID	9/30/2015	7/31/2020	\$4,050,000
Abou Donia, Mohamed S.	AWD1004585	Grant	Uncultivated Bacterial Symbionts of Humans: An Untapped Resource for Drug Discovery	NIH NIAID	9/30/2015	6/30/2020	\$2,399,496
Zakian, Virginia Araxie	AWD1004611	Grant	Role of G4 Sequences in rDNA Transcription and Ribosome Biogenesis and/or Function	The Burroughs Wellcome Fund	9/1/2015	8/31/2018	\$60,000
Abou Donia, Mohamed S.	AWD1004612	Grant	The Role of Microbiota-derived Small Molecules in the Etiology of Crohn's Disease	The Kenneth Rainin Foundation	10/1/2015	9/30/2016	\$100,000
Kang, Yibin	AWD1004616	Contract	Evaluation of the Anti-Metastasis Efficacy of CNTO6141	Janssen Research & Development, LLC	9/2/2015	9/1/2016	\$64,800
Cristea, Ileana M.	AWD1004622	Grant	Mechanisms Mediating Immune Response Upon Sensing of Nuclear Viral DNA	NIH NIGMS	9/15/2015	7/31/2019	\$1,277,429
Enquist, Lynn William	AWD1004627	Grant	Microtubule Motors in Axonal Sorting and Transport During Herpesvirus Infections	NIH NIGMS	11/16/2015	11/15/2017	\$112,196
Cristea, Ileana M.	AWD1004628	Grant	Uncovering Mechanisms of Nuclear Viral DNA Sensing in Mammalian Immunity	Edward Mallinckrodt Jr. Foundation	10/1/2015	9/30/2019	\$400,000
Enquist, Lynn William	AWD1004631	Grant	National Center for Neuroanatomy with Neurotropic Viruses	University of Pittsburgh	7/1/2015	6/30/2020	\$932,275
Kang, Yibin	AWD1004638	Grant	Targeting Metadherin to Reduce the Initiation and Metastasis of Breast Cancer (Year II Continuation Request)	Breast Cancer Research Foundation	10/1/2015	9/30/2016	\$298,321
Kang, Yibin	AWD1004642	Grant	Exploration of the Dynamics of E-selectin Interaction in Breast Cancer Metastasis	NIH NCI	7/3/2015	7/2/2018	\$130,272
Enquist, Lynn William	AWD1004646	Grant	Anterograde Monosynaptic Tracing	Massachusetts Institute of Technology	9/23/2015	6/30/2017	\$238,000
Devenport, Danelle	AWD1004670	Grant	Cell Cycle Control of Cell Polarity: A New Paradigm in Cancer Biology.	American Cancer Society, Inc. (ACS)	1/1/2016	5/5/2016	\$792,000

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Notterman, Daniel A.	AWD1004676	Grant	Effects of Poverty on Affective Development: A Multi-level, Longitudinal Study	University of Michigan	8/24/2015	5/31/2016	\$240,580
Enquist, Lynn William	AWD1004683	Grant	Cytokine-induced Antiviral Responses in Axons of Peripheral Nervous System Neurons	NIH NINDS	7/1/2015	6/30/2020	\$215,126
Kang, Yibin	AWD1004691	Contract	Sensitizing Bone Metastasis to Chemotherapy and Radiotherapy by Targeting Jagged1-Mediated Tumor-Stromal Interactions	METAvivor Research & Support, Inc.	1/1/2016	12/31/2017	\$80,000
Kang, Yibin	AWD1004692	Contract	Development of a Humanized Mouse Model of Breast Cancer Liver Metastasis	METAvivor Research & Support, Inc.	1/1/2016	12/31/2017	\$100,000
Cristea, Ileana M.	AWD1004739	Grant	Molecular and Genetic Analysis of Castor in Cardiac Development	Univ of No Carolina at Chapel Hill	12/1/2015	11/30/2016	\$74,499
Gavis, Elizabeth Rose	AWD1004750	Grant	2016 Genentech Foundation Summer Scholarship	Genentech, Inc.	6/1/2016	8/31/2016	\$18,000
Bassler, Bonnie Lynn	AWD1004755	Grant	Intra- and Inter- Species Communication in Bacteria	NIH NIGMS	2/10/2016	11/30/2020	\$1,682,771
Enquist, Lynn William	AWD1004766	Grant	National Center for Experimental Neuroanatomy with Neurotropic Viruses: Combined PRV and HSV Core Projects	University of Pittsburgh	7/1/2015	6/30/2020	\$64,595
Petry, Sabine	AWD1004773	Grant	Determining the Molecular Mechanism of Localizing and Activating the Gamma-tubulin Ring Complex (gamma-TuRC) at the Centrosome	NIH NIGMS	4/1/2016	3/31/2019	\$168,414
Ploss, Alexander	AWD1004784	Grant	Utilization of a Humanized Mouse Model to Characterize Hepatitis C Virus Induced Hepatocarcinogenesis	NJ Commission on Cancer Research	1/1/2016	12/31/2017	\$100,000
Burdine, Rebecca D.	AWD1004785	Grant	Spinal Cord - Techniques Training Grant 2016	NJ Commission on Spinal Cord Research	3/1/2016	2/28/2017	\$4,000
Gavis, Elizabeth Rose	AWD1004791	Grant	Mechanism of RNA Localization in Drosophila Development	NIH NIGMS	4/1/2016	3/31/2020	\$1,484,101
Kang, Yibin	AWD1004794	Grant	Defining Roles of GPR56 in Regulation of Mammary Gland Development and Breast Cancer Progression	NJ Commission on Cancer Research	1/1/2016	12/31/2017	\$100,000
Gavis, Elizabeth Rose	AWD1004795	Grant	Mechanistic Analysis of Drosophila Germ Granule Assembly	NIH NIGMS	4/1/2016	3/31/2018	\$114,120
Silhavy, Thomas Joseph	AWD1004796	Grant	Elucidating Stationary Phase Changes to the Outer Membrane Permeability Barrier	NIH NIGMS	5/1/2016	4/30/2017	\$56,118
Toettcher, Jared E.	AWD1004808	Grant	Optogenetic Control of Spatio-temporal Patterning in Early Embryogenesis	NIH NIGMS	5/1/2016	4/30/2019	\$168,414
Toettcher, Jared E.	AWD1004810	Grant	Optogenetic Profiling of Functional Signaling Abnormalities in Triple Negative Breast Cancer	NIH NCI	5/1/2016	4/30/2022	\$289,508
Silhavy, Thomas Joseph	AWD1004847	Grant	Biogenesis and Maintenance of the Outer Membrane of Gram-negative Bacteria	NIH NIGMS	5/15/2016	4/30/2021	\$4,082,562

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Devenport, Danelle	AWD1004862	Grant	Cell-cycle Control of Cell Polarity in Epidermal Patterning and Differentiation	NIH NIAID	5/5/2016	4/30/2021	\$1,733,715
Zakian, Virginia Araxie	AWD1004866	Grant	Telomere Maintenance and Replication Fork Progression in Yeast and Human Cells	NIH NIGMS	5/6/2016	4/30/2021	\$4,497,693
Kang, Yibin	AWD1004879	Grant	An E-selectin-mediated Endothelial Niche in Bone Metastasis of Breast Cancer	The Susan G. Komen Breast Cancer Fdn.	6/10/2016	6/9/2019	\$600,129
Ploss, Alexander	AWD1004906	Contract	Understanding Human Neutralizing Antibodies to Hepatitis C Virus	Scripps Research Institute	6/1/2016	5/31/2017	\$67,800
Schwarzbauer, Jean E.	AWD1005025	Grant	Integrated Technologies for Polymeric Biomaterials, RESBIO	Rutgers University - New Brunswick	6/1/2016	5/31/2017	\$123,790
Wieschaus, Eric Francis	CNV1000013	Grant	Howard Hughes Medical Institute Support for Eric Wieschaus	Howard Hughes Medical Institute	9/1/1997	8/31/2019	\$1,103,940
Bassler, Bonnie Lynn	CNV1000227	Grant	Howard Hughes Medical Institute Support for Bonnie Bassler	Howard Hughes Medical Institute	8/1/2005	8/31/2021	\$632,740
Silhavy, Thomas Joseph	CNV1001032	Grant	Intercellular Signaling in Vibrio Harveyi	National Science Foundation	2/15/2010	1/31/2017	\$1,053,686
Shenk, Thomas Eugene	CNV1001042	Grant	Human Cytomegalovirus Latency in Cultured Monocytes	NIH NIAID	2/15/2010	1/31/2016	\$1,759,997
Kang, Yibin	CNV1001068	Grant	The Role of miRNAs in Epithelial Mesenchymal Transition and Metastasis	NIH NCI	4/1/2010	1/31/2017	\$1,577,179
Hughson, Frederick McLaury	CNV1001196	Grant	HHMI Precollege and Undergraduate Science Education Program: Parent Award	Howard Hughes Medical Institute	9/1/2010	8/31/2015	\$1,500,000
Wieschaus, Eric Francis	CNV1001419	Grant	Oogenesis and Early Embryogenesis in Drosophila	NIH NICHD	6/1/2011	5/31/2016	\$1,054,616
Enquist, Lynn William	CNV1001456	Grant	Dissecting the unique neuronal spread phenotype of HSV-1 clinical strain H129 with a Brainbow recombinant virus	The Pew Charitable Trusts	7/1/2011	6/30/2017	\$95,000
Silhavy, Thomas Joseph	CNV1001468	Grant	Regulation of Stationary Phase in Escherichia coli	NIH NIGMS	8/1/2011	6/30/2016	\$1,227,387
Enquist, Lynn William	CNV1001615	Grant	Genetic Analysis of Herpesvirus Tropism and Virulence	NIH NINDS	1/1/2012	12/31/2017	\$1,797,974
Kang, Yibin	CNV1001625	Contract	Anti-Jag1 Functional Blocking Antibody 15D11	Amgen, Inc.	11/28/2011	11/27/2016	\$250,000
Cristea, Ileana M.	CNV1001639	Grant	Molecular and Genetic Analysis of Castor in Cardiac Development	Univ of No Carolina at Chapel Hill	12/1/2011	11/30/2016	\$313,331
Bassler, Bonnie Lynn	CNV1001653	Grant	Intra- and Inter Species Communication in Bacteria	NIH NIGMS	1/15/2012	2/9/2016	\$1,294,247
Kang, Yibin	CNV1001708	Contract	Testing the Anti-Metastatic Effect of Glycomimetic Small Molecule Compounds that Inhibit E-selectin	GlycoMimetics, Inc.	3/1/2012	12/31/2017	\$210,000
Gavis, Elizabeth Rose	CNV1001741	Grant	Mechanism of RNA Localization in Drosophila Development	NIH NIGMS	4/1/2012	3/31/2016	\$1,509,140

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Schwarzbauer, Jean E.	CNV1001774	Grant	Molecular Analysis of Extracellular Matrix Assembly	NIH NCI	5/1/2012	3/31/2017	\$1,598,068
Cristea, Ileana M.	CNV1001807	Grant	Mass Spectrometry Investigation of Mitochondrial Sirtuins as New anti-Viral Factors	American Society for Mass Spectrometry	5/1/2012	8/31/2016	\$35,000
Gitai, Zemer	CNV1001869	Grant	Characterization of Pseudomonas aeruginosa surface sensing	Life Sciences Research Foundation	8/1/2012	7/31/2015	\$168,105
Burdine, Rebecca D.	CNV1001878	Grant	Connecting Polycystin Signaling to Asymmetric Nodal Expression	NIH NICHD	7/1/2012	4/30/2017	\$1,757,474
Gavis, Elizabeth Rose	CNV1001900	Grant	A genome-wide genetic screen for asymmetrically localized mRNAs	U.S.-Israel Binational Science Fdn.	10/1/2012	9/30/2016	\$93,500
Bassler, Bonnie Lynn	CNV1001902	Grant	Investigation of Bacterial Quorum-Sensing at the Population-Wide and Single-Cell Level	Human Frontier Science Prog Org (HFSP)	6/1/2012	8/31/2015	\$14,760
Zakian, Virginia Araxie	CNV1001906	Grant	Structure and Behavior of Yeast Telomeres	NIH NIGMS	8/5/2012	7/31/2016	\$2,039,182
Gavis, Elizabeth Rose	CNV1002025	Grant	Regulation of Dendrite Morphogenesis by Nanos and Pumilio	NIH NINDS	9/1/2012	8/31/2015	\$163,110
Cristea, Ileana M.	CNV1002077	Contract	Host Factors Required for Dengue and Yellow Fever Virus Amplification	University of Alabama at Birmingham	8/3/2012	7/31/2016	\$426,626
Enquist, Lynn William	CNV1002078	Grant	Mechanisms of Pseudorabies Virus Exit, Retention & Trans-Neuronal Spread	American Cancer Society, Inc. (ACS)	1/1/2013	1/31/2016	\$150,000
Wingreen, Ned S.	CNV1002080	Grant	History Dependence of Chemosensing Strategy in Escherichia Coli	NIH NIGMS	9/1/2012	8/31/2017	\$1,386,022
Stock, Jeffrey Benton	CNV1002136	Grant	Synergistic Neuroprotective Mechanisms of Coffee Components in Parkinson's Disease	Rutgers University - New Brunswick	9/30/2012	8/31/2016	\$614,276
Kang, Yibin	CNV1002152	Grant	Cancer Center Support Grant: Support for Director of TG/KO Shared Resource	Rutgers University - New Brunswick	3/1/2012	2/28/2017	\$96,199
Schwarzbauer, Jean E.	CNV1002450	Grant	Research Agreement 1959: NIH-NCI CCSG Support	Rutgers University - New Brunswick	3/1/2012	2/28/2017	\$30,822
Gitai, Zemer	CNV1002451	Grant	Identifying and Characterizing Bacterial Cytoskeletal Elements and Small Molecules that Target Them	Human Frontier Science Prog Org (HFSP)	5/1/2013	4/30/2017	\$300,000
Kang, Yibin	CNV1002452	Grant	Metadherin as a Determinant of Immune Tolerance in Metastatic Breast Cancer	American Cancer Society, Inc. (ACS)	7/1/2013	6/30/2016	\$150,000
Devenport, Danelle	CNV1002453	Grant	Establishment of Long-Range Tissue Polarity in a Regenerative Epithelium	Searle Scholars Program	7/1/2013	6/30/2016	\$300,000
Burdine, Rebecca D.	CNV1002454	Grant	Using Live Fluorescent Imaging to Analyze Generation of chironomid Left-Right Asymmetry in Zebrafish Embryos	UNCF-Merck Science Initiative	9/1/2013	8/31/2015	\$53,488
Devenport, Danelle	CNV1002459	Grant	Role of Autophagy in Skin Cancers	Rutgers University - New Brunswick	12/1/2012	11/30/2015	\$33,333
Silhavy, Thomas Joseph	CNV1002460	Grant	Genetic Analysis of Protein Export	NIH NIGMS	5/1/2013	4/30/2016	\$2,133,445

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Gavis, Elizabeth Rose	CNV1002461	Grant	Translational Regulation of Patterning in Drosophila	NIH NIGMS	5/1/2013	4/30/2017	\$1,294,008
Hughson, Frederick McLaury	CNV1002464	Grant	Structural Analysis of Golgi Trafficking Proteins	NIH NIGMS	6/1/2013	2/28/2017	\$1,376,199
Rose, Mark David	CNV1002465	Grant	Mechanisms of Nuclear and Cell Fusion in Yeast	NIH NIGMS	7/1/2013	3/31/2017	\$1,955,822
Ploss, Alexander	CNV1002466	Grant	Genetic Viral and Host Adaptations to Breach Species Barriers of HCV	NIH NIAID	7/1/2013	6/30/2018	\$1,988,350
Gitai, Zemer	CNV1002467	Grant	Predocctoral Training in Genetics and Molecular Biology	NIH NIGMS	7/1/2013	6/30/2018	\$6,010,173
Rose, Mark David	CNV1002471	Grant	Understanding the Mechanism of DNA Mismatch Repair	NJ Commission on Cancer Research	4/1/2013	9/30/2015	\$50,000
Kang, Yibin	CNV1002472	Grant	Role of Exosomal MiRNA in Breast Cancer Metastasis	NJ Commission on Cancer Research	4/1/2013	9/30/2015	\$100,000
Wieschaus, Eric Francis	CNV1002473	Grant	Mechanical Force-induced Cell-cell Junction Remodeling	NJ Commission on Cancer Research	4/1/2013	9/30/2015	\$100,012
Kang, Yibin	CNV1002474	Grant	Ubiquitin-dependent Regulation of EMT and Metastasis	NJ Commission on Cancer Research	4/1/2013	9/30/2015	\$50,000
Gitai, Zemer	CNV1002475	Grant	The Function and Organization of MreB Filaments	NIH NIGMS	8/1/2013	7/31/2015	\$107,284
Enquist, Lynn William	CNV1002477	Grant	Neuronal Spread of Herpesvirus Infection	NIH NINDS	9/1/2013	5/31/2018	\$1,798,061
Brody, Carlos D.	CNV1002478	Grant	Imaging Neural Activity in the Rat Frontal Cortex during Short-Term Memory	NIH NINDS	9/1/2013	8/31/2015	\$109,884
Gitai, Zemer	CNV1002479	Grant	Caulobacter Cell Shape and Cytoskeletal Regulation	NIH NIGMS	9/1/2013	5/31/2017	\$1,475,768
Cristea, Ileana M.	CNV1002480	Grant	Direct and Quantitative Proteomic Approaches in Xenopus	Univ of No Carolina at Chapel Hill	8/1/2013	7/31/2015	\$190,884
Kang, Yibin	CNV1002482	Grant	BC123187: Organ-Tropic Metastatic Secretomes and Exosomes in Breast Cancer	Army Medical Rsrch Acquisition Activity	9/27/2013	9/26/2018	\$4,507,495
Wang, Samuel Sheng-Hung	CNV1002854	Grant	System Biology of Autism: The Case for the Cerebellum	Children's Hospital Boston	12/1/2012	11/30/2015	\$495,000
Bassler, Bonnie Lynn	CNV1002886	Grant	Manipulating Quorum Sensing System to Control Pathogenicity in Vibrio Cholerae	NIH NIDDK	9/16/2013	9/15/2016	\$143,028
Petry, Sabine	CNV1002889	Grant	Role and Mechanism of Microtubule Nucleation within the Mitotic Spindle	NIH NIGMS	9/20/2013	8/31/2016	\$778,049
Cristea, Ileana M.	CNV1002898	Grant	Regulatory Mechanisms of Mitochondria Function by TRAP3 in B Lymphocytes and B Cell Malignancies	Rutgers University - New Brunswick	8/1/2013	7/31/2015	\$75,895
Devenport, Danelle	CNV1002902	Grant	Mechanisms Regulating Development of Planar Polarity	NJ Commission on Cancer Research	7/1/2013	8/31/2015	\$100,000
Silhavy, Thomas Joseph	CNV1002910	Grant	Science by the Cup & A Tall Drink of Science	Amer Soc for Biochem and Molecular Bio	11/1/2013	12/31/2016	\$4,351
Schwarzbauer, Jean E.	CNV1002930	Grant	CINJ: Flow Cytometry/Cell Sorting Shared Resource	Rutgers University - New Brunswick	3/1/2012	2/28/2017	\$84,252

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Bassler, Bonnie Lynn	CNV1002966	Grant	Host-microbial Inter-kingdom Quorum Sensing	Amer Assoc for the Advancement of Sci	2/1/2014	12/31/2015	\$60,000
Shenk, Thomas Eugene	CNV1002967	Grant	Cell Surface Proteome of Monocytes Latently Infected with Human Cytomegalovirus	NIH NIAID	2/1/2014	1/31/2017	\$175,066
Gitai, Zemer	CNV1002968	Grant	Fluid Flow as a Driver of Bacterial Cell Division, Surface Motility, and Spreading	National Science Foundation	2/15/2014	1/31/2017	\$750,000
Zakian, Virginia Araxie	CNV1002969	Grant	DNA Replication and Chromosome Structure in Yeast	NIH NIGMS	2/1/2014	12/31/2016	\$1,894,623
Cristea, Ileana M.	CNV1002991	Grant	Delineating how Nuclear DNA Sensor IFI16 Confers HCMV Immunity using Proteomics	American Heart Association	1/1/2014	12/31/2015	\$46,000
Ploss, Alexander	CNV1002992	Grant	Transmitted/Founder HCV Clones as Targets for Treatment and Eradication	University of Pennsylvania	9/15/2013	8/31/2015	\$139,692
Wingreen, Ned S.	CNV1003028	Grant	INSPIRE Track 1: Resolving and Optogenetically Perturbing Biofilms at the Single-Cell Level	National Science Foundation	3/15/2014	2/28/2018	\$1,000,000
Schedl, Paul Daniel	CNV1003075	Grant	Unexpected Roles for BMP Signaling in the Specification of the Embryonic Germline	NIH NIGMS	4/11/2014	3/31/2018	\$1,213,282
Korennykh, Alexei V.	CNV1003095	Grant	Structural and Functional Bases of Stress-Activated RNA Decay Mediated by RNase L	NIH NIGMS	5/1/2014	4/30/2019	\$1,496,563
Boulanger, Lisa M.	CNV1003097	Grant	MHCI Molecules in Age-Related Synapse Loss at the Neuromuscular Junction	NIH NIA	3/15/2014	7/1/2015	\$61,173
Schupbach, Gertrud Maria	CNV1003139	Grant	Asteroid/ASTE1 is Required for Oocyte Determination and DNA Repair	American Cancer Society, Inc. (ACS)	7/1/2014	6/30/2017	\$163,500
Schupbach, Gertrud Maria	CNV1003220	Grant	Characterization of Genes Required for Border Cell Migration in Drosophila	NIH NIGMS	7/1/2014	6/30/2016	\$85,796
Korennykh, Alexei V.	CNV1003234	Grant	Systems Analysis of Pathogen Defense Mediated by 2',5'-linked isoRNA	The Burroughs Wellcome Fund	7/1/2014	6/30/2019	\$500,000

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Rustow, Marina	AWD1004749	Grant	The Cairo Geniza as a Source for the History of Institutions and Documentary Practices in the Medieval Middle East	National Endowment for the Humanities	7/1/2015	9/30/2017	\$211,569
Schayegh, Cyrus	AWD1004199	Grant	2014-2018 Princeton University National Resource Center and Foreign Language and Area Studies Fellowships Program	U.S. Department of Education	8/15/2014	8/14/2018	\$800,000

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Stout, Jeffrey Lee	AWD1004321	Grant	Specks of Dust: Documenting a Hero's Story andSparking Humility in Audiences	Community Initiatives	6/1/2014	7/31/2015	\$9,491

Operations Research and Financial Engineering

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Fan, Jianqing	AWD1004038	Grant	Collaborative Research: Interface of Probability and Statistics for High-dimensional Inference	National Science Foundation	8/1/2014	7/31/2018	\$400,000
Massey, William Alfred	AWD1004054	Grant	Collaborative Research: Risk Management and Control of Dynamic Rate Queues for Healthcare and Transportation Services	National Science Foundation	9/1/2014	8/31/2017	\$200,000
Liu, Han	AWD1004097	Grant	RI: Medium: Collaborative Research: Next-Generation Statistical Optimization Methods for Big Data Computing	National Science Foundation	8/15/2014	7/31/2018	\$499,999
Liu, Han	AWD1004113	Grant	Preprocessing and Analysis Tools for Contemporary Microarray Applications	Harvard University	9/3/2013	8/31/2016	\$97,530
Powell, Warren Buckler	AWD1004157	Contract	Optimal Adaptive Learning of Prices and Commitments for Hotel Resource Management	Yield Planet	9/1/2014	9/1/2016	\$127,525
Liu, Han	AWD1004184	Grant	Innovative Randomized Trial Designs to Generate Stronger Evidence	The Johns Hopkins University	3/1/2014	1/31/2016	\$61,343
Powell, Warren Buckler	AWD1004201	Contract	Interactive Optimization of Dynamic, Multiattribute, Multilayered Resource Scheduling Problems using Informational Decomposition	YRC Worldwide Inc.	9/15/2014	9/14/2017	\$1,312,924
Liu, Han	AWD1004306	Grant	CAREER: An Integrated Inferential Framework for Big Data Research and Education	National Science Foundation	7/1/2015	6/30/2020	\$400,000
Massey, William Alfred	AWD1004363	Grant	21st Conference for African American Researchers in the Mathematical Sciences (CAARMS21)	National Security Agency	3/27/2015	3/26/2016	\$25,000
Shkolnikov, Mykhaylo	AWD1004426	Grant	Investigation of Interacting Particle Systems by Stochastic Analysis Methods	National Science Foundation	7/1/2015	6/30/2018	\$173,571
Liu, Han	AWD1004578	Grant	BIGDATA: Collaborative Research: F: Representation Learning for BIGDATA	National Science Foundation	9/1/2015	8/31/2019	\$400,810
Powell, Warren Buckler	AWD1004579	Grant	Parametric Cost Function Approximations for Robust Energy Systems Planning	National Science Foundation	9/1/2015	8/31/2018	\$250,000
Carmona, Rene A.	AWD1004624	Grant	Robust Methods in Mathematical Finance	National Science Foundation	9/15/2015	8/31/2018	\$237,220
Powell, Warren Buckler	AWD1004677	Grant	Optimal Learning for Efficient Experimentation in Nanotechnology and Biochemistry	Air Force Office of Scientific Research	11/15/2015	11/14/2017	\$1,060,662
Powell, Warren Buckler	AWD1004699	Grant	Collaborative Research: CompSustNet: Expanding the Horizons of Computational Sustainability	National Science Foundation	12/15/2015	11/30/2020	\$350,000
Vanderbei, Robert Joseph	AWD1004709	Grant	Efficient Optimization via Sparsification with Applications to Fast Fourier Optimization, Compressive Sensing, and other Machine-Learning Problems	Office of Naval Research	2/1/2016	1/31/2019	\$594,257
Ahmadi, Amir Ali	AWD1004714	Grant	CAREER: Polynomial Optimization and Dynamical Systems	National Science Foundation	2/1/2016	1/31/2021	\$500,000

Operations Research and Financial Engineering (2)

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<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Massey, William Alfred	AWD1004823	Grant	22nd Conference for African American Researchers in the Mathematical Sciences (CAARMS22)	National Security Agency	5/3/2016	5/2/2017	\$20,000
Powell, Warren Buckler	CNV1000104	Cooperative Agreement	Modeling Technologies for Dynamic Resource Management in Truckload Trucking	Schneider National, Inc.	8/1/2002	12/31/2017	\$1,078,723
Massey, William Alfred	CNV1001320	Grant	Conference for African American Researchers in the Mathematical Sciences	National Science Foundation	3/1/2011	2/28/2017	\$114,405
Fan, Jianqing	CNV1001522	Grant	Quantitative Methods for Genome-wide Analysis of Macrophage Activation by ESCs	NIH NIGMS	9/1/2011	5/31/2016	\$1,453,614
van Handel, Ramon	CNV1001743	Grant	CAREER: Conditional Theory of Large-Scale Stochastic Systems	National Science Foundation	7/1/2012	6/30/2017	\$400,000
Fan, Jianqing	CNV1001838	Grant	Statistical Inferences for Massive Data	National Science Foundation	6/1/2012	5/31/2017	\$600,000
Powell, Warren Buckler	CNV1001848	Grant	Optimal Learning for Efficient Experimentation in Nanotechnology and Biochemistry	Air Force Office of Scientific Research	7/1/2012	9/30/2015	\$1,909,510
Sircar, Kaushik Ronnie	CNV1002009	Grant	Mathematics of Energy Markets & Differential Games, Financialization of Commodities Markets, and Volatility & ETF Derivatives	National Science Foundation	9/1/2012	8/31/2016	\$235,663
Carmona, Rene A.	CNV1002026	Grant	Mathematical Methods for the New Commodity & Environmental Markets	National Science Foundation	9/1/2012	8/31/2016	\$259,769
Vanderbei, Robert Joseph	CNV1002155	Grant	Fast Fourier Optimization with Application to Antenna Array Control and High-Contrast Imaging	Office of Naval Research	1/1/2013	12/31/2016	\$541,565
Liu, Han	CNV1002858	Grant	III: Small: Nonparametric Structure Learning for Complex Scientific Datasets	National Science Foundation	9/1/2012	7/31/2015	\$407,185
Liu, Han	CNV1002976	Grant	Large-Scale Semiparametric Graphical Models with Applications to Neuroscience	NIH NIMH	2/1/2014	1/31/2019	\$1,844,591
van Handel, Ramon	CNV1002977	Grant	PECASE: Complex Phenomena in Stochastic Filtering	Army Research Office	2/12/2014	2/11/2019	\$1,000,000
Fan, Jianqing	CNV1003076	Grant	Statistical Methods for Ultrahigh-dimensional Biomedical Data	NIH NIGMS	4/1/2014	1/31/2018	\$1,194,980
Ahmadi, Amir Ali	CNV1003257	Grant	Scalable Algorithms with Formal Guarantees for Lyapunov Analysis of Control Systems via Algebraic Optimization	Air Force Office of Scientific Research	9/1/2014	8/31/2017	\$358,669

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Johnston, Mark	AWD1004407	Grant	Evaluating Transformative Experiences	University of Notre Dame	6/1/2015	8/31/2016	\$74,622
Leslie, Sarah-Jane	AWD1004710	Grant	SBP: The Roots of Female Underrepresentation in STEM and Beyond: Exploring the Development of Gender Stereotypes about Intelligence	University of IL at Urbana-Champaign	8/15/2015	7/31/2019	\$113,931
Leslie, Sarah-Jane	AWD1004864	Grant	The Linguistic Transmission of Maladaptive Beliefs	New York University	4/15/2016	3/31/2021	\$165,176
Leslie, Sarah-Jane	CNV1002057	Grant	The Development of Social Essentialism	New York University	8/15/2012	7/31/2016	\$80,103
Halvorson, Hans P.	CNV1003208	Grant	Experimental Tests of Quantum Reality	University of Oxford	10/1/2013	9/30/2016	\$148,559

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Petta, Jason R.	AWD1004051	Grant	Photon-emission from a Cavity-coupled Quantum Dot	National Science Foundation	8/1/2014	7/31/2017	\$420,000
Romalis, Michael V.	AWD1004123	Grant	Precision Measurements with Nuclear Spins	National Science Foundation	9/1/2014	8/31/2017	\$480,303
Lisanti, Mariangela	AWD1004132	Grant	The LHC Theory Initiative	The Johns Hopkins University	9/1/2014	9/14/2015	\$106,869
Staggs, Suzanne Therese	AWD1004164	Grant	Advanced ACTPol	National Science Foundation	9/15/2014	8/31/2019	\$9,975,737
Romalis, Michael V.	AWD1004228	Contract	Multipass RF Atomic Magnetometers	Niitek, Inc.	11/1/2014	10/31/2015	\$110,163
Ong, Nai Phuan	AWD1004230	Grant	Gordon and Betty Moore Foundation EPIQS Investigator - ONG	Gordon and Betty Moore Foundation	12/1/2014	11/30/2019	\$1,800,844
Yazdani, Ali	AWD1004232	Grant	Gordon and Betty Moore Foundation EPIQS Investigator - YAZDANI	Gordon and Betty Moore Foundation	12/1/2014	11/30/2019	\$1,801,799
Petta, Jason R.	AWD1004238	Grant	Gordon and Betty Moore Foundation EQiPS Investigator - PETTA	Gordon and Betty Moore Foundation	12/1/2014	11/30/2019	\$1,801,063
Hasan, MD Zahid	AWD1004239	Grant	Gordon and Betty Moore Foundation EQiQS Investigator - HASAN	Gordon and Betty Moore Foundation	12/1/2014	11/30/2019	\$1,800,091
Romalis, Michael V.	AWD1004287	Contract	A Universal, Low-Cost Atomic Magnetometer	Twinleaf LLC	10/1/2014	6/30/2017	\$559,818
Austin, Robert Hamilton	AWD1004309	Grant	Travel Support Request for Institute for Advanced Study Workshop on Physics Approach to Simplifying Complexity in Biology	National Science Foundation	3/15/2015	2/28/2017	\$36,000
Petta, Jason R.	AWD1004360	Grant	SSQIP - Scalable Silicon-Based Quantum Information Processing	Army Research Office	6/1/2015	5/31/2019	\$7,490,254
Romalis, Michael V.	AWD1004395	Contract	Pulsed Scalar Atomic Magnetometer	Government of Israel Ministry of Defense	7/1/2015	6/30/2019	\$600,000
Elmer, G. J. Peter	AWD1004396	Grant	Collaborative Research: S12-SSI: Data-Intensive Analysis for High Energy Physics (DIANA/HEP)	National Science Foundation	5/1/2015	4/30/2019	\$1,145,564
Galbiati, Cristiano	AWD1004481	Contract	Construction and Operation of Urania-2020 LNGS Low-Radioactivity Techniques at the Greater Service of Society	Istituto Nazionale Di Fisica Nucleare	7/6/2015	7/5/2017	\$5,464,721
Elmer, G. J. Peter	AWD1004519	Grant	Collaborative Research: Particle Tracking at High Luminosity on Heterogeneous, Parallel Processor Architectures	National Science Foundation	8/1/2015	7/31/2018	\$479,529
Hasan, MD Zahid	AWD1004521	Grant	Electronic Structure of Unconventional Spin-Orbit Materials	National Science Foundation	9/1/2015	8/31/2018	\$393,216
Staggs, Suzanne Therese	AWD1004527	Grant	Developing Advanced Broadband Microwave Detectors for Next-Generation CMB Polarization Studies (Kevin Crowley)	NASA Headquarters - Washington	8/1/2015	7/31/2019	\$148,000
Tully, Christopher George	AWD1004544	Grant	PTOLEMY	The Simons Foundation	9/1/2015	8/31/2017	\$400,000
Shaevitz, Joshua William	AWD1004605	Grant	Collaborative Research: PoLS Student Research Network	National Science Foundation	10/1/2015	9/30/2020	\$1,000,000
Bernevig, Bogdan Andrei	AWD1004621	Grant	ICAM Postdoctoral Fellowship Award	University of California at Davis	10/1/2015	9/30/2016	\$25,000

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Romalis, Michael V.	AWD1004637	Grant	Scalar Multipass Atomic Magnetometer	Air Force Research Laboratory (WPAFB)	10/10/2015	4/9/2017	\$400,000
Wang, Yan Mei	AWD1004647	Grant	Flagellar Membrane Signaling Protein Transport Mechanisms: A Single-Molecule Study	National Science Foundation	7/1/2015	2/28/2017	\$377,494
Puchalla, Jason L.	AWD1004703	Grant	Molecular Mechanism of Vesicle Membrane Scission	Texas A&M University	9/1/2015	8/31/2019	\$203,093
Calaprice, Frank Paul	AWD1004716	Grant	CNO Solar Neutrinos with Borexino - A Quest for Ultra-Low Background	National Science Foundation	8/15/2015	7/31/2018	\$1,323,000
Calaprice, Frank Paul	AWD1004719	Grant	SABRE R&D: Investigating Radio-Pure Sodium Iodide	National Science Foundation	9/1/2015	8/31/2017	\$191,558
Petta, Jason R.	AWD1004720	Contract	Defect-Tolerant Reconfigurable Gate Architecture for Cavity-Coupled Silicon/Silicon Germanium Quantum Dots	HRL Laboratories, LLC	1/5/2016	12/31/2016	\$274,972
Romalis, Michael V.	AWD1004721	Contract	Proposal for Development of Multi-Pass RF Atomic Magnetometers	Niitek, Inc.	1/6/2016	1/6/2017	\$130,460
Callan Jr., Curtis Gove	AWD1004722	Grant	Liberating the Immunologic Response to Pancreatic Cancer	The V Foundation for Cancer Research	2/1/2016	2/1/2018	\$174,698
Tully, Christopher George	AWD1004786	Grant	The Universe at One Second After the Big Bang	The John Templeton Foundation	3/1/2016	2/28/2018	\$334,322
Jones, William Claude	AWD1004787	Grant	SuperBIT: Wide-field, Sub-arcsecond Imaging from the Super-Pressure Balloon Platform	NASA Headquarters - Washington	2/24/2016	2/23/2021	\$1,734,443
Yazdani, Ali	AWD1004807	Grant	NSF Frontiers of Condensed Matter Physics Workshop on Topological Phases of Matter	National Science Foundation	4/15/2016	1/31/2017	\$50,000
Meyers, Peter Daniel	AWD1004809	Contract	R & D Toward Large LAR TPCs for Direct WIMP Searches	Fermi National Accelerator Laboratory	1/4/2016	12/31/2016	\$250,000
McDonald, Kirk T.	AWD1004876	Grant	Detectors with Fast Timing via Electron Multiplication in Silicon and Gases	DOE - Chicago	5/1/2016	3/31/2017	\$100,000
Bakr, Waseem S.	AWD1004878	Grant	(YIP) Single-Atom Microscopy of Dipolar Fermi Gases	Air Force Office of Scientific Research	6/15/2016	6/14/2019	\$360,000
Callan Jr., Curtis Gove	AWD1004913	Grant	Liberating T-Cell Mediated Immunity to Pancreatic Cancer	University of Pennsylvania	6/15/2016	5/31/2017	\$81,397
McDonald, Kirk T.	AWD1004945	Contract	Hyperfast Silicon Detector Direct Particle Detection	Radiation Monitoring Devices, Inc.	6/13/2016	1/12/2017	\$40,000
Tully, Christopher George	CNV1000108	Contract	US CMS Hadron Calorimeter Subsystem	Fermi National Accelerator Laboratory	10/1/2002	12/31/2016	\$843,866
Hasan, MD Zahid	CNV1000215	Grant	Synchrotron X-ray Based Electronic Structure Study of Correlated Quantum Materials and Topological Insulators	DOE - Chicago	5/1/2005	7/31/2018	\$3,738,949
Yazdani, Ali	CNV1000384	Grant	Probing Correlated Superconductors and their Phase Transitions on the Nanometer Scale	DOE - Washington	8/1/2007	7/31/2019	\$3,100,000

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Tully, Christopher George	CNV1000470	Contract	US CMS Upgrade R&D M&O Subsystem for FY 2008 - Magnetic Testing	Fermi National Accelerator Laboratory	10/1/2007	12/31/2016	\$383,559
Petta, Jason R.	CNV1000473	Grant	PECASE: Coherent Control of Single Spins in Semiconducting Nanowire	Army Research Office	6/1/2008	7/31/2015	\$1,119,500
Petta, Jason R.	CNV1000629	Grant	Packard Fellowship - Quantum Mechanical Phenomena in Nanometer Scale Systems	The David and Lucile Packard Foundation	10/15/2008	10/15/2017	\$875,000
Jones, William Claude	CNV1000637	Contract	Planck HFI Sub-Award	Cal Tech - Jet Propulsion Lab (JPL)	12/12/2008	9/30/2015	\$566,047
Calaprice, Frank Paul	CNV1000891	Grant	EAGER: Research and Development of Dark Matter Detectors for Borexino	National Science Foundation	10/1/2009	9/30/2015	\$240,000
Page Jr., Lyman Alexander	CNV1001165	Grant	ACTPol: The Atacama Cosmology Telescope with Polarization.	National Science Foundation	9/15/2010	8/31/2016	\$9,400,000
Bernevig, Bogdan Andrei	CNV1001175	Grant	CAREER: Emergent Phenomena in New Quantum Materials	National Science Foundation	8/15/2010	7/31/2016	\$450,000
Hasan, MD Zahid	CNV1001189	Grant	Topological Electronic Structure in Strong Spin-orbit Coupled Materials	National Science Foundation	9/15/2010	8/31/2015	\$600,000
Shaevitz, Joshua William	CNV1001241	Grant	Collaborative Research: PoLS Student Research Network	National Science Foundation	10/1/2010	9/30/2016	\$641,100
Jones, William Claude	CNV1001264	Grant	David and Lucille Packard Foundation - 2010	The David and Lucile Packard Foundation	10/15/2010	10/14/2017	\$875,000
McDonald, Kirk T.	CNV1001354	Contract	Memorandum of Understanding Between Princeton University and Brookhaven National Laboratory	Brookhaven National Laboratory	4/11/2011	12/31/2016	\$298,100
Bernevig, Bogdan Andrei	CNV1001422	Grant	New Topological Insulators with Point Group Symmetry	Office of Naval Research	4/1/2011	3/31/2016	\$538,086
Yazdani, Ali	CNV1001430	Grant	Probing the Influence of Magnetism and Superconductivity on Topological Insulators & their Surface States	National Science Foundation	7/1/2011	6/30/2016	\$540,000
Yazdani, Ali	CNV1001462	Grant	Nanoscale Measurements of Magnetism & Spin Coherence in Semiconductors	Army Research Office	8/1/2011	7/31/2015	\$402,903
Staggs, Suzanne Therese	CNV1001476	Grant	Detector Development for Polarization Studies of the Cosmic Microwave Background	NASA Headquarters - Washington	8/1/2011	7/31/2015	\$262,096
McDonald, Kirk T.	CNV1001485	Contract	Univ. Subcontract - - Princeton (MAP)	Fermi National Accelerator Laboratory	9/1/2011	9/30/2016	\$142,100
Calaprice, Frank Paul	CNV1001497	Grant	Particle Astrophysics at Princeton: Solar Neutrino and Dark Matter Studies with Borexino and DarkSide	National Science Foundation	9/1/2011	8/31/2016	\$3,141,472
Austin, Robert Hamilton	CNV1001513	Contract	PolyNano	Danish Technical University	7/18/2011	7/31/2016	\$51,228
Bernevig, Bogdan Andrei	CNV1001590	Grant	Emergent Topological Phases of Matter	The David and Lucile Packard Foundation	10/14/2011	10/31/2018	\$875,000
Marlow, Daniel Robert	CNV1001655	Cooperative Agreement	U.S. CMS Operations at the LHC	National Science Foundation	1/1/2012	6/30/2017	\$50,000,000

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Jones, William Claude	CNV1001829	Grant	Spider: Probing Inflation with a Large Angular Scale Millimeter-wave Polarimeter	NASA Headquarters - Washington	5/15/2012	5/14/2017	\$7,386,995
Page Jr., Lyman Alexander	CNV1001843	Grant	Gravitational Physics from the Cosmic Microwave Background	National Science Foundation	6/15/2012	5/31/2016	\$2,190,000
Romalis, Michael V.	CNV1001904	Grant	Test of Lorentz Invariance at the South Pole	National Science Foundation	8/1/2012	7/31/2015	\$559,974
Marlow, Daniel Robert	CNV1001914	Grant	High Energy Physics	DOE - Chicago	6/1/2012	3/31/2018	\$12,027,000
Staggs, Suzanne Therese	CNV1001945	Grant	Developing Polarization Sensitive Detectors for Cosmic Microwave Background Research (Sara Simon)	NASA Headquarters - Washington	8/1/2012	7/31/2016	\$274,420
Pretorius, Frans	CNV1001974	Grant	Simons Investigator - Frans Pretorius	The Simons Foundation	8/1/2012	7/31/2017	\$660,000
Galbiati, Cristiano	CNV1002010	Grant	Collaborative Research: R & D Toward DarkSide-G2, a Second-Generation Direct Search for Dark Matter	National Science Foundation	9/1/2012	8/31/2016	\$2,839,083
Calaprice, Frank Paul	CNV1002034	Grant	Development of Low Background Sodium Iodide Scintillation Detectors for Dark Matter Research	National Science Foundation	9/15/2012	8/31/2016	\$806,263
Yazdani, Ali	CNV1002110	Grant	Single Donor Spin Detection and Probing Spin - Spin Interaction in Silicon on the Atomic Scale	Army Research Office	10/1/2012	9/30/2016	\$621,705
McDonald, Kirk T.	CNV1002609	Contract	Cathode Plane Assembly (CPA) Design for the LBNE Time Projection Chamber (TPC)	Brookhaven National Laboratory	1/1/2013	9/30/2017	\$427,876
Meyers, Peter Daniel	CNV1002611	Contract	DarkSide G-2 Research & Development	Fermi National Accelerator Laboratory	4/1/2013	12/31/2015	\$200,000
Meyers, Peter Daniel	CNV1002613	Contract	DarkSide-50 DOE Commissioning/Operations	Fermi National Accelerator Laboratory	4/1/2013	12/31/2017	\$190,000
Romalis, Michael V.	CNV1002614	Grant	Low Drift Nuclear Spin Gyro and Magnetic-Optical Accelerometer	Air Force Research Laboratory (WPAFB)	4/1/2013	5/31/2017	\$2,156,954
Klebanov, Igor R.	CNV1002617	Grant	Theoretical Physics	National Science Foundation	9/15/2013	8/31/2016	\$1,230,000
Yazdani, Ali	CNV1002618	Grant	Atomic Scale Engineering of Majorana Fermions in Chains of Magnetic Atoms on Superconductors	Office of Naval Research	7/15/2013	7/14/2017	\$518,783
Pretorius, Frans	CNV1002619	Grant	Dynamical, Strong-Field Gravity	National Science Foundation	7/15/2013	6/30/2016	\$640,000
Giombi, Simone	CNV1002623	Grant	Research in the Gauge/Gravity Duality	National Science Foundation	9/1/2013	8/31/2016	\$150,000
Sondhi, Shivaji Lal	CNV1002624	Grant	Studies of Topological Order and Real Time	National Science Foundation	10/1/2013	9/30/2017	\$276,000
Callan Jr., Curtis Gove	CNV1002625	Grant	Theoretical Physics of Biological Systems	National Science Foundation	9/15/2013	8/31/2016	\$870,000
Lieb, Elliott H.	CNV1002626	Grant	The Quantum Mechanical Many-body Problem and Statistical Mechanics	National Science Foundation	9/1/2013	8/31/2017	\$465,000
Sondhi, Shivaji Lal	CNV1002866	Grant	Quantum Hardness	The John Templeton Foundation	2/1/2013	7/31/2015	\$180,382
Tully, Christopher George	CNV1003083	Contract	LHC CMS Detector Upgrade HCAL Subsystem for Year 2014	Fermi National Accelerator Laboratory	10/1/2013	12/31/2017	\$110,813

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Tully, Christopher George	CNV1003085	Grant	NASA Aeronautics Scholarship Program - Mark Stone	NASA Ames Research Center	2/20/2014	8/31/2015	\$22,500
Bakr, Waseem S.	CNV1003135	Grant	Alfred P. Sloan Research Fellowship for Dr. Waseem Bakr in Physics	Alfred P. Sloan Foundation	9/15/2014	9/15/2016	\$50,000
Galbiati, Cristiano	CNV1003209	Grant	Collaborative Research:Direct Search for Dark Matter with Underground Argon at LNGS	National Science Foundation	6/15/2014	5/31/2017	\$2,403,000
Pufu, Silviu Stefan	CNV1003239	Grant	Quantum Field Theory and String Theory	National Science Foundation	7/1/2014	6/30/2017	\$150,000

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Keohane, Robert Owen	AWD1004112	Grant	Doctoral Dissertation: Explaining Variation in Advocacy Efforts by International Nongovernmental Organizations	National Science Foundation	8/1/2014	7/31/2016	\$31,979
George, Robert Peter	AWD1004165	Grant	Application for Support: James Madison Program in American Ideals and Institutions	The William H. Donner Foundation, Inc.	9/1/2014	8/31/2016	\$21,500
George, Robert Peter	AWD1004207	Grant	James Madison Program in American Ideals and Institutions	Donner Canadian Foundation	9/1/2014	8/31/2015	\$20,189
George, Robert Peter	AWD1004252	Grant	JMP in American Ideals and Institutions	The Lynde and Harry Bradley Fdn., Inc.	11/11/2014	11/10/2015	\$75,000
George, Robert Peter	AWD1004272	Grant	"Law and the Culture of Liberty" Conference Support May 18-19, 2015	Earhart Foundation	1/1/2015	8/31/2015	\$30,000
Mendelberg, Tali	AWD1004597	Grant	The Political Effects of Concentrated Affluence on American Campuses	Russell Sage Foundation	9/1/2015	6/30/2016	\$90,426
George, Robert Peter	AWD1004671	Grant	James Madison Program in American Ideals and Institutions -- General Support FY 2016	Donner Canadian Foundation	9/1/2015	8/31/2016	\$16,447
Imai, Kosuke	AWD1004774	Grant	Unemployment and Violence in Afghanistan: Evidence from the Community Development Program	Yale University	10/1/2015	9/30/2017	\$129,762
Imai, Kosuke	AWD1004775	Grant	Doctoral Dissertation Research: Crossing Africa's Arbitrary Borders: How Refugees Shape National Boundaries by Challenging Them	National Science Foundation	3/1/2016	2/28/2017	\$18,900
George, Robert Peter	AWD1004792	Grant	JMP Bradley Foundation FY16	The Lynde and Harry Bradley Fdn., Inc.	2/23/2016	2/22/2017	\$75,000
George, Robert Peter	CNV1000829	Grant	James Madison Program	Fidelity Charitable Gift Fund	7/1/2009	8/31/2018	\$156,075
George, Robert Peter	CNV1001318	Grant	Thomas W. Smith Postdoctoral Fellows	The Thomas W. Smith Foundation	8/1/2011	6/30/2017	\$450,000
Imai, Kosuke	CNV1001995	Grant	Doctoral Dissertation Research in Political Science: The Politics of Location in Resource Rent Distribution and the Projection of Power in Africa	National Science Foundation	8/15/2012	7/31/2015	\$17,640
McCarty, Nolan Matthew	CNV1002949	Grant	Polarization, Partisanship, and Electoral Reform of American State Legislatures	The Laura and John Arnold Foundation	12/1/2013	12/31/2015	\$157,856
Jamal, Amaney Ahmad	CNV1002981	Grant	Collaborative Research: Experimental Research on Religious Scripture and Political Behavior in the Muslim World	National Science Foundation	2/1/2014	1/31/2018	\$324,692
George, Robert Peter	CNV1003044	Grant	Thomas W. Smith Postdoctoral Fellows	The Thomas W. Smith Foundation	8/1/2014	7/31/2017	\$450,000

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<u>Lead Principal Investigator</u>	<u>Award #</u>	<u>Award Type</u>	<u>Award Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Total Anticipated</u>
Sarmiento, Jorge Louis	AWD1004066	Grant	Southern Ocean Carbon and Climate Observations and Modeling SOCCOM	National Science Foundation	9/1/2014	8/31/2020	\$17,194,857
Caylor, Kelly K.	AWD1004070	Grant	WSC-Category 2 Collaborative: Impacts of Agricultural Decision Making and Adaptive Management on Food Security in Africa	National Science Foundation	9/1/2014	8/31/2019	\$1,929,565
Caylor, Kelly K.	AWD1004295	Grant	I-Corps: Pulsepod: Bringing the Cloud Down to Earth	National Science Foundation	2/1/2015	1/31/2016	\$50,000
Estes, Lyndon Despard	AWD1004303	Grant	Integrating Crowdsourcing, in Situ Sensing, and Spaceborne Observation to Understand the Sustainability of Smallholder Agriculture in African Wet Savannas	NASA Headquarters - Washington	1/1/2015	12/31/2017	\$305,565
Metcalf, Charlotte Jessica Eland	AWD1004464	Grant	Seasonal Drivers of Human Movement and Aggregation in aChanging Climate: Consequences for Infectious Disease Dynamics and Control	The Wellcome Trust	7/1/2015	6/30/2017	\$619,618
Pacala, Stephen Wilson	AWD1004506	Contract	A Carbon Mitigation Initiative at Princeton University	BP International Limited	1/1/2016	12/31/2020	\$10,500,000
Bou Zeid, Elie R.	AWD1004547	Cooperative Agreement	Urban Water Innovation Network (U-WIN)	Colorado State University	8/1/2015	7/31/2020	\$1,149,345
Bourg, Ian Charles	AWD1004635	Contract	Center for Nanoscale Controls on Geologic CO2 (NCGC)	Lawrence Berkeley National Laboratory	10/1/2015	7/31/2018	\$612,500
Medvigy, David M.	AWD1004636	Grant	Extrapolating Carbon Dynamics of Seasonally Dry Tropical Forests Across Geographic Scales and Into Future Climates: Improving Simulation Models with Empirical Observations	University of Minnesota	8/1/2015	6/30/2016	\$88,380
Pacala, Stephen Wilson	CNV1000015	Contract	A Carbon Mitigation Initiative at Princeton University	BP International Limited	10/1/2000	12/31/2017	\$31,702,430
Laxminarayan, Ramanan	CNV1001295	Grant	The Economic Impact of Foundation Giving	Robert Wood Johnson Foundation	12/15/2010	12/14/2015	\$800,000
Pacala, Stephen Wilson	CNV1001373	Grant	Understanding Coupling between Biogeochemical Cycling and Climate Change in Northern Ecosystems: Historical Analysis and future projections with GFDL	U.S. Dept of Agriculture	7/1/2011	6/30/2016	\$900,000
Grenfell, Bryan T.	CNV1002050	Contract	Disease in Motion: Integrating Epidemic and Social Dynamics in the Control of Infectious Agents	U.S. Department of Homeland Security	9/24/2012	9/23/2015	\$683,863
Pacala, Stephen Wilson	CNV1002685	Cooperative Agreement	A Decision-support System for Managing the Carbon Cycle Under a Changing Climate	U.S. Dept of Agriculture	7/29/2013	9/30/2016	\$145,800
Grenfell, Bryan T.	CNV1002687	Grant	Application of Epidemiological Models to Guide and Evaluate Control of Vaccine-preventable Infections	Bill & Melinda Gates Foundation	7/10/2013	6/30/2017	\$1,301,479
Morel, Francois M. M.	CNV1002690	Grant	Ocean Acidification: The Effect of Ocean Acidification on the Availability of Trace Metals to Phytobankton	National Science Foundation	7/1/2013	12/31/2016	\$494,404

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Hedin, Lars O.	CNV1002691	Contract	Controls Regulating Biological Nitrogen Fixation in Longleaf Pine Ecosystems: The Role of Fire and Military Training	University of Georgia	4/19/2013	4/18/2018	\$92,368
Pacala, Stephen Wilson	CNV1003145	Grant	Collaborative Research: Extreme Events and Ecological Acclimation: Scaling from Cells to Ecosystems	National Science Foundation	6/1/2014	5/31/2017	\$205,482

Princeton Institute for Computational Science and Engineering (PICSciE)

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Rexford, Jennifer L.	AWD1004103	Grant	CC*IIE Engineer: A Software-Defined Campus Network for Big-Data Sciences	National Science Foundation	9/1/2014	5/31/2017	\$399,776
Tang, William Ming-Wu	AWD1004460	Grant	Performance Evaluation for PIC Algorithms on the ALCF BG-Q System	Argonne National Laboratory	6/5/2015	4/4/2016	\$101,452
Tang, William Ming-Wu	AWD1004566	Grant	Leadership Class Scientific and Engineering Computing: Breaking Through the Limits (Award # 0725070)	University of Illinois at Chicago	2/1/2015	1/31/2017	\$300,107
Tang, William Ming-Wu	AWD1004788	Grant	GECAT - Global Initiative to Enhance @scale and Distributed Computing and Analysis Technologies to Address Grand Challenge Problems Around the World (Blue Waters)	University of IL at Urbana-Champaign	1/1/2016	4/30/2017	\$10,000
August, David I.	CNV1001976	Grant	II-New: A Platform for Data-Parallel GPU Computing at Princeton	National Science Foundation	9/1/2012	8/31/2015	\$350,000
Hillegas, Curtis William	CNV1002037	Grant	MRI: Acquisition of a Shared Parallel High Performance Storage System to Enable Computational Science and Engineering	National Science Foundation	10/1/2012	9/30/2015	\$525,000

Princeton Institute for International and Regional Studies (PIIRS)

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Adelman, Jeremy Ian	AWD1004004	Grant	John E. Sawyer Seminar on the Comparative Study of Cultures: Imperial Histories and Global Regimes	The Andrew W. Mellon Foundation	7/1/2014	8/31/2017	\$175,160
Beissinger, Mark R.	AWD1004269	Grant	The Prophet and the Party: Shari'a, Islam, and Sectarian Authority in China	Smith Richardson Foundation, Inc.	11/15/2014	11/30/2016	\$60,000

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Brody, Carlos D.	AWD1004020	Grant	Relating Dynamic Cognitive Variables to Neural Population Activity	The Simons Foundation	7/1/2014	6/30/2017	\$680,000
Tank, David W.	AWD1004022	Grant	Neural Circuit Dynamics During Cognition	The Simons Foundation	7/1/2014	6/30/2017	\$1,500,000
Witten, Ilana Basya	AWD1004030	Grant	Deconstructing Working Memory: Dopamine Neurons and their Target Circuits	McKnight Endowment Fund for Neuroscience	7/1/2014	6/30/2017	\$225,000
Wang, Samuel Sheng-Hung	AWD1004042	Grant	Imaging Adaptive Cerebellar Processing at Cellular Resolution in Awake Mice	NIH NINDS	9/1/2014	5/31/2019	\$2,141,075
Seung, Hyunjune Sebastian	AWD1004058	Grant	Frontiers in Human Brain Mapping: Imaging, Big Data, and Computation	Army Research Office	8/1/2014	7/31/2015	\$29,997
Berry II, Michael James	AWD1004115	Grant	Neurotechnologies for Analysis of Network Dynamics	NIH NIMH	9/1/2014	8/31/2019	\$807,375
Murthy, Mala	AWD1004116	Grant	BRAIN EAGER: Closing the Loop on Social Behaviors, From Mathematical Models to Neural Circuit Dynamics	National Science Foundation	12/1/2014	11/30/2016	\$300,000
Brody, Carlos D.	AWD1004118	Grant	Swartz Initiative in Theoretical Neuroscience	The Swartz Foundation	8/1/2014	7/31/2015	\$120,000
Brody, Carlos D.	AWD1004119	Grant	Swartz Initiative in Theoretical Neuroscience	The Swartz Foundation	8/1/2014	9/30/2016	\$135,000
Hasson, Uri	AWD1004134	Grant	Topographic Mapping of a Hierarchy of Temporal Receptive Windows using Natural Stimuli- Admin. Supp.	NIH NIMH	1/1/2014	12/31/2015	\$26,684
Buschman, Timothy J.	AWD1004142	Grant	Identifying the Neural Mechanisms allowing Compression (Chunking) of Working Memory Contents	Office of Naval Research	6/1/2014	9/30/2017	\$1,582,838
Todorov, Alexander T.	AWD1004143	Grant	From Statistical Learning and Social Face Preferences	U.S.-Israel Binational Science Fdn.	9/1/2014	8/31/2018	\$102,305
Murthy, Mala	AWD1004170	Grant	How Does the Brain Solve the Pattern Recognition Problem?	NIH NINDS	9/30/2014	8/31/2019	\$2,430,000
Buschman, Timothy J.	AWD1004196	Grant	Developing an Adaptive Cognitive Prosthetic to Replace Damaged Brain Regions	NIH NEI	9/30/2014	8/31/2019	\$2,430,000
Berry II, Michael James	AWD1004205	Contract	Multi-Electrode Array (MEA) Studies of Channelrhodopsin Expression in Mouse Retinal Ganglion Cells	RetroSense Therapeutics	11/1/2014	7/31/2015	\$28,820
Pillow, Jonathan William	AWD1004236	Grant	Deciphering Cortical Representations at the Level of Spikes, Currents, and Conductances	McKnight Endowment Fund for Neuroscience	7/1/2014	6/30/2017	\$169,873
Brody, Carlos D.	AWD1004240	Cooperative Agreement	Mechanisms of Neural Circuit Dynamics in Working Memory	NIH NINDS	9/30/2014	7/31/2017	\$3,055,288
Seung, Hyunjune Sebastian	AWD1004256	Cooperative Agreement	Vertically Integrated Approach to Visual Neuroscience: Microcircuits to Behavior	NIH NINDS	9/30/2014	7/31/2017	\$3,642,856
Witten, Ilana Basya	AWD1004262	Grant	Dopamine, Working Memory, and Schizophrenia: Dissecting Spatial and Temporal Patterns	Brain and Behavior Research Foundation	1/15/2015	1/14/2017	\$65,000

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Buschman, Timothy J.	AWD1004280	Grant	Mechanisms of Priority Negotiation in the Allocation of Attention	Brain and Behavior Research Foundation	1/15/2015	1/14/2017	\$65,000
Wang, Samuel Sheng-Hung	AWD1004300	Grant	Transcending Dynamic and Kinetic Limits for Neuronal Calcium Sensing	NIH NINDS	2/1/2015	1/31/2017	\$445,500
Cohen, Jonathan D.	AWD1004334	Grant	Rita Allen Foundation Support for PNI	Rita Allen Foundation, Inc.	1/1/2014	6/30/2016	\$10,000
Pillow, Jonathan William	AWD1004351	Grant	Population Dynamics Across Pairs of Cortical Areas in Learning and Behavior	The Simons Foundation	1/1/2015	12/31/2017	\$340,000
Cohen, Jonathan D.	AWD1004372	Grant	Decoding Mental Representations of Cognitive Control from Brain Imaging Data	Intel Corporation	1/5/2015	1/5/2018	\$2,041,200
Tank, David W.	AWD1004420	Grant	Optimization of 3-photon Microscopy for Large Scale Recording in Mouse Brain	Cornell University	9/30/2014	7/31/2017	\$152,764
Norman, Kenneth Andrew	AWD1004450	Contract	Manipulating and Classifying Memory Processing during Sleep	Northwestern University	4/1/2015	3/31/2018	\$217,305
Wang, Samuel Sheng-Hung	AWD1004458	Grant	Connectivity of the Posterior Cerebellum	NIH NINDS	7/1/2015	12/31/2020	\$226,812
Aronov, Dmitriy	AWD1004485	Grant	Mechanisms of Spatial Memory during Navigation in Virtual Reality	NIH NINDS	7/15/2015	6/30/2017	\$187,380
Buschman, Timothy J.	AWD1004504	Grant	Selective Attention and Reward Value in the Prefrontal Control of Choice	NIH NIMH	7/1/2015	2/25/2017	\$99,731
Pillow, Jonathan William	AWD1004512	Grant	Neural Time-integration Underlying Higher Cognitive Function	University of Texas at Austin	8/1/2015	7/31/2016	\$29,701
Witten, Ilana Basya	AWD1004530	Grant	Dissecting the Neural Circuitry for Spatial Working Memory	NIH NIMH	7/22/2015	3/31/2020	\$1,989,670
Norman, Kenneth Andrew	AWD1004560	Grant	NCS-FO: Collaborative Research: Sleep's Role in Determining the Fate of Individual Memories	National Science Foundation	9/1/2015	8/31/2018	\$594,090
Berry II, Michael James	AWD1004590	Grant	Collective Phenomena in Neural Population Codes- CONGRUENCY	National Science Foundation	9/1/2015	8/31/2018	\$480,000
Daw, Nathaniel Douglass	AWD1004596	Grant	CRCNS: Representational Foundations of Adaptive Behavior in Natural and Artificial Agents	NIH NIMH	9/1/2015	5/31/2018	\$1,183,417
Wang, Samuel Sheng-Hung	AWD1004620	Grant	Use of Calcium Indicator Proteins in Spike Counting Mode	NIH NEI	9/30/2015	8/31/2017	\$449,355
Pillow, Jonathan William	AWD1004667	Grant	CAREER: Unlocking the Neural Code with Spikes, Currents and Conductances	National Science Foundation	6/1/2015	8/31/2017	\$274,483
Pillow, Jonathan William	AWD1004668	Grant	CRCNS Detailed Multi-Neuron Coding of Decisions in Parietal Cortex	University of Texas at Austin	5/1/2015	4/30/2017	\$175,575
Brody, Carlos D.	AWD1004673	Grant	Neural Circuit Underlying Decisions Driven by Accumulation of Evidence	NIH NIMH	9/2/2015	5/31/2020	\$1,994,000
Seung, Hyunjune Sebastian	AWD1004674	Grant	Imaging How a Neuron Computes	The Trustees of Columbia University	10/1/2014	9/30/2016	\$117,946
Seung, Hyunjune Sebastian	AWD1004682	Grant	High Resolution Connectomics of Mammalian Neural Circuits	Harvard University	6/1/2015	5/31/2016	\$168,983

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Cohen, Jonathan D.	AWD1004693	Grant	Toward a Scientific Understanding of the Human Capacity for Cognitive Control	The John Templeton Foundation	12/1/2015	11/30/2018	\$2,997,571
Boulanger, Lisa M.	AWD1004708	Grant	SCI-induced Denervation of the Diaphragm: Regulation by MHCI Immune Proteins	NJ Commission on Spinal Cord Research	6/29/2015	6/30/2017	\$200,000
Turk-Browne, Nicholas B.	AWD1004717	Grant	How the Brain Uses Prior Knowledge to Shape Perception	Netherlands Org for Scientific Rsrch	4/1/2016	3/31/2018	\$152,263
Seung, Hyunjune Sebastian	AWD1004767	Contract	Petascale Neural Circuit Reconstruction- Parent	Intell. Advanced Rsrch Projects Activity	1/15/2016	1/14/2021	\$14,123,112
Brody, Carlos D.	AWD1004793	Grant	Neural Mechanisms Underlying Flexible Decision-	The Simons Foundation	5/1/2016	4/30/2019	\$234,150
Witten, Ilana Basya	AWD1004797	Grant	Dissecting Neural Circuits that Encode Social	The Simons Foundation	5/1/2016	4/30/2019	\$234,150
Cohen, Jonathan D.	AWD1004826	Grant	Computation and Visualization of Multi-Parameter Topological Invariants of Data	St. Olaf College	9/1/2015	8/31/2018	\$57,303
Kastner, Sabine	AWD1004900	Grant	Neural Mechanisms of Attention	NIH NIMH	5/1/2016	1/31/2021	\$2,081,415
Kastner, Sabine	AWD1005021	Grant	Brain Rhythms in Cognition: a Collaborative Network (JSMF#220020448)	University of Oxford	1/1/2016	12/31/2020	\$400,000
Wang, Samuel Sheng-Hung	AWD1005086	Grant	Systems Biology of Autism: The Case for the Cerebellum	Children's Hospital Boston	12/1/2015	11/30/2017	\$347,600
Brody, Carlos D.	CNV1000536	Grant	HHMI Support for Carlos Brody	Howard Hughes Medical Institute	7/1/2008	8/31/2018	\$419,748
Norman, Kenneth Andrew	CNV1000820	Grant	Computational Neural and Behavioral Studies of Competition-Dependent Learning	NIH NIMH	8/7/2009	10/31/2015	\$1,919,357
Ghazanfar, Asif A.	CNV1001126	Grant	Vocal Communication Emerges and Evolves through Coupled Oscillations	James S. McDonnell Foundation	12/1/2010	12/31/2018	\$600,000
Norman, Kenneth Andrew	CNV1001163	Grant	Text, Neuroimaging, and Memory: Unified Models of Corpora and Cognition	National Science Foundation	8/1/2010	12/31/2015	\$732,296
Murthy, Mala	CNV1001325	Grant	CAREER: Neural Mechanisms for Acoustic Communication in Drosophila	National Science Foundation	3/1/2011	2/28/2017	\$668,000
Hasson, Uri	CNV1001412	Grant	Topographic Mapping of a Hierarchy of Temporal Receptive Windows Using Natural Stimuli	NIH NIMH	7/7/2011	3/31/2017	\$1,962,260
Turk-Browne, Nicholas B.	CNV1001458	Grant	Neural and Behavioral Interactions Between Attention, Perception, and Learning	NIH NEI	8/1/2011	7/31/2017	\$1,751,763
Niv, Yael	CNV1001517	Grant	Interactions Between Learning and Attention Across the Lifespan	Ellison Medical Foundation	10/1/2011	8/31/2016	\$400,000
Wang, Samuel Sheng-Hung	CNV1001874	Grant	A Computational Study of TBI Induced Cerebellar Damage	NJ Commission on Brain Injury Research	6/1/2012	5/31/2016	\$225,936
Murthy, Mala	CNV1001903	Grant	Neural Mechanisms Underlying Acoustic Communication in Drosophila	McKnight Endowment Fund for Neuroscience	7/1/2012	6/30/2016	\$225,000
Wang, Samuel Sheng-Hung	CNV1001969	Grant	Transcending the Dynamic Limits of Genetically Encodable Calcium Indicators	McKnight Endowment Fund for Neuroscience	8/1/2012	7/31/2016	\$150,000

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Cohen, Jonathan D.	CNV1001981	Grant	MRI: Acquisition of High Performance Compute Cluster for Multivariate Real-time and Whole-brain Correlation Analysis of fMRI Data	National Science Foundation	8/15/2012	7/31/2015	\$527,978
Witten, Ilana Basya	CNV1002036	Grant	Therapeutic Plasticity: A Novel Paradigm for Treating Addiction	NIH NIDA	9/30/2012	5/31/2017	\$2,415,000
Kastner, Sabine	CNV1002039	Grant	Functions of the Thalamus in Perception and Cognition	NIH NEI	9/1/2012	8/31/2017	\$1,696,067
Niv, Yael	CNV1002040	Grant	Neural and Computational Mechanisms of Selective Attention in Decision Making	NIH NIMH	9/18/2012	5/31/2017	\$1,066,854
Botvinick, Matthew M.	CNV1002045	Grant	The Intrinsic Cost of Cognitive Control: Neural Foundations and Behavioral Impact	NIH NIMH	9/18/2012	7/31/2016	\$1,063,610
Tank, David W.	CNV1002053	Grant	Examining the Integration of Inputs by the Subiculum During Virtual Navigation	NIH NINDS	9/24/2012	9/23/2015	\$174,402
Tank, David W.	CNV1002058	Grant	Grid Cell Dynamics During Navigation In Virtual Reality	NIH NINDS	9/26/2012	7/31/2019	\$2,649,230
Cohen, Jonathan D.	CNV1002088	Grant	Toward a Scientific Understanding of the Human Capacity for Cognitive Control	The John Templeton Foundation	8/1/2012	7/31/2015	\$3,986,094
Botvinick, Matthew M.	CNV1002128	Grant	CRCNS: Collaborative Research: Neural Correlates of Hierarchical Reinforcement Learning	National Science Foundation	10/1/2012	9/30/2015	\$564,649
Niv, Yael	CNV1002140	Grant	The Striatal Cholinergic System and Attention for Learning: from Neurotransmission to Personality	Human Frontier Science Prog Org (HFSP)	10/1/2012	9/30/2016	\$450,000
Kastner, Sabine	CNV1002149	Grant	Top-down and Bottom-up Processes of Scene Categorization	NIH NEI	1/1/2013	12/31/2015	\$158,538
Ghazanfar, Asif A.	CNV1002634	Grant	Multisensory Integration of Faces and Voices in the Primate Temporal Lobe	NIH NINDS	7/1/2013	6/30/2018	\$1,696,075
Witten, Ilana Basya	CNV1002704	Grant	Neuromodulatory mechanisms underlying learning and working memory	Alfred P. Sloan Foundation	9/15/2013	9/15/2015	\$50,000
Witten, Ilana Basya	CNV1002705	Grant	Unraveling the Neuromodulatory Control of Working Memory	The Pew Charitable Trusts	8/1/2013	7/31/2018	\$240,000
Kastner, Sabine	CNV1002706	Grant	Neural Correlates of Spatial and Object-based Selection	NIH NEI	6/1/2013	5/31/2016	\$165,246
Buschman, Timothy J.	CNV1002709	Grant	Controlling Interareal Gamma Coherence by Optogenetics, Pharmacology and Behavior	NIH NIMH	8/1/2013	5/31/2017	\$749,697
Turk-Browne, Nicholas B.	CNV1002714	Grant	Plasticity from Predictive Coding of Object States in Visual Cortex	NIH NEI	8/15/2013	8/14/2016	\$158,538
Cohen, Jonathan D.	CNV1002715	Grant	NRSA Training Grant in Quantitative Neuroscience	NIH NIMH	8/1/2013	7/31/2018	\$1,970,563
Kastner, Sabine	CNV1002717	Grant	Attentional Selection from Natural Scenes	National Science Foundation	9/1/2013	6/30/2017	\$528,841

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Hanks, Timothy D.	CNV1002912	Grant	Testing the Roles of Rat Parietal and Frontal Cortices in a Sensory Decision Task	NIH NIMH	12/1/2013	11/30/2015	\$111,904
Gould, Elizabeth	CNV1002984	Grant	Microglia in Obesity-induced Synapse Loss and Cognitive Decline	NIH NINDS	2/1/2014	1/31/2017	\$442,750
Niv, Yael	CNV1003070	Grant	The Computational and Neural Basis of Reinforcement Learning in Multidimensional	Army Research Office	3/17/2014	3/16/2019	\$984,432
Tank, David W.	CNV1003072	Grant	Imaging Neural Dynamics During Working Memory in Rats	Helen Hay Whitney Foundation	4/1/2014	9/15/2016	\$158,500
Berry II, Michael James	CNV1003093	Grant	Neurotechnologies for Analysis of Neural Dynamics	The Burroughs Wellcome Fund	1/1/2014	12/31/2019	\$200,000
Cohen, Jonathan D.	CNV1003215	Grant	"MACKEREL: A Modern Approach to Compositional Knowledge Employment and Representation, Enabled by Learning"	Siemens Medical Solutions USA, Inc.	11/4/2013	3/31/2017	\$556,770
Kastner, Sabine	CNV1003216	Grant	Attention Network Dynamics in the Primate Brain	NIH NEI	4/1/2014	3/31/2016	\$453,912
Tank, David W.	CNV1003243	Grant	Probing Neural Circuit Dynamics at Cellular Resolution During Virtual Navigation	NIH NIMH	7/1/2014	6/30/2019	\$1,999,319

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Drapkin, Svetlana	CNV1000084	Contract	Plasma Physics Laboratory	DOE - Chicago	1/1/2000	3/31/2019	\$3,477,671,510

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Sturm, James Christopher	AWD1004056	Contract	Manipulation of Biological Particles by Deterministic Lateral Displacement: Fundamental Demonstrations and Practical Conditions	GPB Scientific, LLC	4/1/2014	12/31/2016	\$375,000
Chou, Stephen Y.	AWD1004057	Grant	SNM: Scalable Volume-NanoManufacturing of Unique Nanoparticles by Nano-templated Printing, Deposition, and Exfoliation for Energy and Bio/Chemical Sensing	National Science Foundation	9/1/2014	8/31/2018	\$750,000
Priestley, Rodney D.	AWD1004129	Grant	Instrumentation for Macromolecule Film Deposition	Air Force Office of Scientific Research	9/2/2014	9/1/2016	\$852,350
Pfeiffer, Loren N.	AWD1004130	Grant	Moore Materials Synthesis Investigators	Gordon and Betty Moore Foundation	8/7/2014	7/31/2019	\$3,800,932
Prucnal, Paul Richard	AWD1004229	Contract	Chip Scale Integration of Optical RF Interference Cancellation	Battelle - Chapel Hill Operations	9/12/2014	8/27/2015	\$425,000
Haataja, Mikko Petteri	AWD1004243	Grant	Center for the Computational Design of Functional Layered Materials	Temple University	8/1/2014	7/31/2018	\$408,000
Yazdani, Ali	AWD1004307	Cooperative Agreement	MRSEC: PRINCETON CENTER FOR COMPLEX MATERIALS	National Science Foundation	11/1/2014	10/31/2020	\$19,475,000
Chou, Stephen Y.	AWD1004322	Contract	Ultrasensitive Rapid Omni-omics Platform, D2PA-assay, for Assessment of Human Involvement in Bio/Chemical-Threat Development	Federal Bureau of Investigation	2/19/2015	2/18/2016	\$860,809
Car, Roberto	AWD1004323	Contract	Theoretical Studies of Synthesis of Nanomaterials: A Joint Challenge for Plasma and Materials Sciences	Princeton Plasma Physics Laboratory	3/11/2015	9/30/2017	\$380,000
Shayegan, Mansour	AWD1004404	Grant	Toward Spin- and Valleytronic Devices	National Science Foundation	7/1/2015	6/30/2018	\$405,000
Law, Chung King	AWD1004415	Grant	2015 Princeton-CEFRC Summer School on Combustion; Princeton University - June 21-26, 2015	National Science Foundation	6/1/2015	5/31/2016	\$20,000
Sturm, James Christopher	AWD1004468	Grant	Microfluidic Processing of Leukocytes for Molecular Diagnostic Testing	GPB Scientific, LLC	5/18/2015	4/30/2017	\$424,666
Houck, Andrew Addison	AWD1004493	Grant	Autonomous Error Protection in Superconducting Circuits	Army Research Office	8/1/2015	7/31/2018	\$2,817,963
Houck, Andrew Addison	AWD1004494	Grant	Engineering Exotic States of Light with Superconducting Circuits	Army Research Office	8/1/2015	7/31/2020	\$6,250,000
Lyon, Stephen Aplin	AWD1004515	Grant	Electron Spin Dynamics on the Surface of Superfluid Helium	National Science Foundation	8/1/2015	7/31/2017	\$547,242
Rand, Barry P.	AWD1004591	Grant	Compound Semiconductors for Transient Electronic and Optoelectronic Systems	Defense Advanced Research Projects Agency	9/15/2015	9/14/2018	\$500,002
Prucnal, Paul Richard	AWD1004604	Contract	Neuromorphic Photonic Flight Control System	Lockheed Martin Corporation	6/16/2015	6/15/2016	\$175,000
Arnold, Craig B.	AWD1004629	Grant	MRI: Acquisition of an X-Ray Microscope Supporting Multidisciplinary Fundamental and Applied Research	National Science Foundation	9/15/2015	8/31/2018	\$586,140

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Soboyejo, Winston Oluwole	AWD1004633	Grant	US Africa Workshop on Cancer Research	NIH NIMHD	9/25/2015	8/31/2016	\$50,000
Houck, Andrew Addison	AWD1004718	Contract	Generating Remote Entanglement with Superconducting Circuits	HRL Laboratories, LLC	1/5/2016	12/31/2016	\$141,102
Prucnal, Paul Richard	AWD1004731	Contract	Resonant-Enhanced High Sensitivity Optical Switch	General Dynamics Corporation	10/15/2015	10/14/2016	\$150,516
Prucnal, Paul Richard	AWD1004744	Grant	Fiber Optic Detection of Magnetic Flux Quantum Pulses using Resonator-Enhanced Modulation	Office of Naval Research	3/1/2016	2/28/2019	\$433,933
Ong, Nai Phuan	AWD1004789	Grant	Transport and Tunneling Experiments on Dirac and Weyl Semimetals	Army Research Office	4/15/2016	4/14/2019	\$446,035
Pfeiffer, Loren N.	AWD1004812	Contract	Frequency Agile Heterodyne Detector for Submillimeter Spectroscopy of Planets and Comets	University of CA at Santa Barbara	8/19/2015	7/31/2018	\$60,000
Law, Chung King	AWD1004824	Grant	2016 Princeton-CEFRC-CI Summer School on Combustion	National Science Foundation	5/1/2016	7/31/2017	\$20,000
Chou, Stephen Y.	AWD1004848	Contract	Ultrasensitive, Rapid, Early Detection of Ebola Antigen (sGP) Using M-Plate-A New Nanostructured Plate with Ultra-high Amplification	Defense Threat Reduction Agency	5/2/2016	5/1/2019	\$5,567,821
Houck, Andrew Addison	AWD1004855	Contract	Superconducting Logically-Encoded Extensible Qubit: Tunable Coupling, Filtering, and Enhanced Connectivity	Intl Business Machines Corp. (IBM)	3/31/2016	3/30/2019	\$750,000
Torquato, Salvatore	AWD1004865	Cooperative Agreement	NYU Materials Research Science and Engineering Center	New York University	6/1/2016	10/31/2017	\$128,737
Soboyejo, Winston Oluwole	AWD1004883	Contract	Program on Math and Science for Sub-Saharan Africa (MS4SSA)	The World Bank	5/25/2016	10/14/2016	\$250,000
Sturm, James Christopher	AWD1004889	Contract	Product Demonstrator: Flexible, Self-powered, Motion, Sound Sensing Array Sheet with Remote Readout	FlexTech Alliance	11/1/2015	4/30/2017	\$175,000
Law, Chung King	AWD1004918	Grant	2016 Princeton-CEFRC-CI Summer School on Combustion	Army Research Office	4/27/2016	11/26/2016	\$10,000
Car, Roberto	CNV1000217	Grant	Strongly Correlated Electrons: Ground States, Excited States, and Transport	DOE - Chicago	5/1/2005	4/30/2017	\$1,244,999
Gmachl, Claire F.	CNV1000233	Cooperative Agreement	Mid-Infrared Technologies for Health and the Environment (MIRTHE)	National Science Foundation	5/1/2006	10/31/2016	\$34,397,541
Shayegan, Mansour	CNV1000365	Grant	Transport in Spin-Split Two-Dimensional Systems	DOE - Germantown	11/15/2006	11/14/2018	\$2,793,762
Ong, Nai Phuan	CNV1000538	Cooperative Agreement	MATERIALS RESEARCH SCIENCE AND ENGINEERING CENTER (MRSEC)	National Science Foundation	9/1/2008	8/31/2015	\$20,100,000
Torquato, Salvatore	CNV1000645	Grant	NYU NSF/MRSEC: Semantophoretic Assemblies	New York University	9/1/2008	8/31/2015	\$816,999
Law, Chung King	CNV1000772	Grant	Energy Frontier Research Center for Combustion Science	DOE - Washington	8/1/2009	7/31/2016	\$17,337,610

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Houck, Andrew Addison	CNV1000935	Grant	Quantum Information and Quantum Optics with Integrated Circuits	The David and Lucile Packard Foundation	10/15/2009	4/30/2017	\$875,000
Austin, Robert Hamilton	CNV1000943	Cooperative Agreement	Explosive Evolution Under Stress: The Driving Forces of Cancer Dynamics	NIH NCI	9/28/2009	7/31/2016	\$14,150,238
Houck, Andrew Addison	CNV1001051	Grant	CAREER: Strongly Correlated Photons in Microwave Cavities and Coupled Cavity Arrays	National Science Foundation	6/1/2010	11/30/2016	\$550,000
Arnold, Craig B.	CNV1001053	Grant	IGERT: Nanotechnology for Clean Energy	Rutgers University - New Brunswick	8/15/2009	7/31/2015	\$881,280
Houck, Andrew Addison	CNV1001203	Contract	Circuit QED Approach to Multi-Qubit Superconducting Quantum Computing	Intl Business Machines Corp. (IBM)	7/1/2010	1/31/2016	\$1,769,808
Car, Roberto	CNV1001250	Grant	CMSN: Structure and Dynamics of Water and Aqueous Solutions in Materials Science	DOE - Chicago	9/1/2010	8/31/2015	\$959,947
Houck, Andrew Addison	CNV1001316	Grant	PECASE: Quantum Computing, Quantum Control, and Quantized Non-Linear Optics with Superconducting Circuits	Army Research Office	2/10/2011	8/9/2016	\$1,000,000
Sturm, James Christopher	CNV1001358	Grant	Energy Efficient Buildings HUB (EEB HUB)	The Pennsylvania State University	2/1/2011	1/31/2016	\$3,040,867
Yazdani, Ali	CNV1001401	Grant	FITT: Development of a Low voltage, Low Power Transistor Based Ontopological Surface States.	SPAWARSYSCEN PACIFIC	6/2/2011	6/30/2016	\$7,716,863
Lyon, Stephen Aplin	CNV1001483	Grant	Materials World Network: Spin Entanglement Using Transient Electrons in C and Si-based Materials	National Science Foundation	9/1/2011	8/31/2015	\$520,000
Shayegan, Mansour	CNV1001535	Grant	MRI: Acquisition of a Cryogen-free Dilution Refrigerator with a 12 T Magnet	National Science Foundation	10/1/2011	9/30/2015	\$436,024
Ong, Nai Phuan	CNV1001537	Grant	Transport Experiments on Topological Insulators	Army Research Office	9/15/2011	4/14/2016	\$600,000
McAlpine, Michael C.	CNV1001578	Grant	Buckled Piezoelectric Nanoribbons: Morphology, Nanomechanics, and Flexoelectricity	Army Research Office	11/1/2011	10/31/2015	\$370,828
Sturm, James Christopher	CNV1001613	Grant	Hole-Blocking Layers for Silicon/Organic Heterojunctions: A New Class of High-Efficiency Low-Cost PV	DOE- Golden Field Office	9/1/2011	8/31/2016	\$1,476,609
Shayegan, Mansour	CNV1001672	Grant	Wavefunction Engineering for a Topological Quantum Computer	Keck Foundation (The W. M.)	12/15/2011	12/31/2016	\$1,001,332
Verma, Naveen	CNV1001766	Grant	Combining Large-area Electronics with High-performance Computation for Scalable Ambient Intelligence	National Science Foundation	7/1/2012	6/30/2016	\$360,000
Torquato, Salvatore	CNV1001800	Grant	Particle Packing Problems	National Science Foundation	8/1/2012	10/31/2016	\$303,000
McAlpine, Michael C.	CNV1001809	Grant	(BRI) Bio-Nanocombinatoric Synthesis and Quorum Sensing	Air Force Office of Scientific Research	7/15/2012	7/14/2015	\$618,303
McAlpine, Michael C.	CNV1001813	Grant	Piezoelectric Nanoribbons for Interfaced Cellular Nanomechanics	Defense Advanced Research Projects Agency	7/1/2012	9/30/2015	\$450,000

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Verma, Naveen	CNV1001840	Grant	SHF: Small: Analytical Modeling and Design Methodology for Large-scale Computational Systems Employing Flexible Electronics for Extensive Physical Interfacing	National Science Foundation	7/1/2012	6/30/2016	\$450,000
Ong, Nai Phuan	CNV1001879	Grant	MRSEC PREM - Computational Research and Education for Emergent Materials	California State University, Northridge	6/1/2012	5/31/2017	\$424,596
Arnold, Craig B.	CNV1001936	Grant	3-D Additive Multiscale Manufacturing Using Near-Field Ultrafast Laser Processing	National Science Foundation	9/1/2012	8/31/2016	\$409,998
Car, Roberto	CNV1002007	Grant	Advanced Modeling of Ions in Solutions, on Surfaces, and in Biological Environments	DOE - Washington	9/1/2012	8/31/2017	\$1,377,543
Gmachl, Claire F.	CNV1002193	Grant	Planning Grant: I/UCRC for Mid-Infrared Medical Systems (MIMES)	National Science Foundation	2/15/2013	1/31/2016	\$16,330
Lyon, Stephen Aplin	CNV1002675	Grant	Spin Coherence in Silicon-based Quantum Structures and Devices	Army Research Office	6/1/2013	5/31/2017	\$2,450,833
Shayegan, Mansour	CNV1002676	Grant	Interacting Two-dimensional Electrons in Unconventional Sytems	National Science Foundation	8/1/2013	7/31/2017	\$620,000
McAlpine, Michael C.	CNV1002677	Grant	Novel Anti-Quorum Coatings for Biofouling Protection of Chemical and Biological Nanosensors	Central Intelligence Agency	7/8/2013	9/30/2015	\$240,000
Gmachl, Claire F.	CNV1003229	Grant	Proto-Type II-VI Quantum Well-Based Unipolar Mid-Infrared Photodetectors	National Science Foundation	7/1/2014	12/31/2016	\$204,011
Yazdani, Ali	CNV1003241	Grant	Detection, Characterization, and Manipulation of Majorana Fermions in Magnetically Textured Nanostructures	Office of Naval Research	5/1/2014	4/30/2018	\$2,949,094

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Shafir, Eldar	AWD1004019	Grant	The Psychology of Scarcity: A Research Proposal	Alfred P. Sloan Foundation	9/1/2014	9/1/2017	\$577,544
Haushofer, Johannes Andreas	AWD1004221	Grant	Reducing Domestic Violence: Economic Conditions, Psychological Well-being, and Social Norms	Vanguard Charitable Endowment Program	7/15/2014	7/14/2016	\$280,000
Shafir, Eldar	AWD1004241	Grant	Some Implications of Scarcity Thinking	National Science Foundation	12/15/2014	11/30/2019	\$813,966
Lew-Williams, Casey	AWD1004410	Grant	Bilingual Infants' and Toddlers' Processing of Mixed Language	NIH NICHD	5/15/2015	4/30/2017	\$147,268
Taylor, Jordan A.	AWD1004462	Grant	Embodied Decision Making: Influence of Action Errors on Reinforcement Learning	University of California at Berkeley	4/1/2015	3/31/2020	\$507,689
Emberson, Lauren L.	AWD1004538	Grant	Role of Statistically Induced Changes in Sensory Cortex in Perceptual Development	NIH NICHD	9/1/2015	8/31/2018	\$738,029
Shafir, Eldar	AWD1004543	Grant	Parent: The Psychology of Scarcity: A Research Proposal	Russell Sage Foundation	12/1/2014	11/30/2016	\$0
Tamir, Diana I.	AWD1004568	Grant	Identifying the Role of Simulation in Imagination Expertise	Imagination Institute	7/1/2015	7/1/2017	\$200,000
Haushofer, Johannes Andreas	AWD1004741	Grant	How Does Stress Affect Health Behaviors: Preferences, Beliefs, or Constraints?	NIH NINR	9/28/2015	6/30/2018	\$2,087,936
Ghazanfar, Asif A.	CNV1001232	Grant	Inference of Large-scale Dynamic Cortical Interactions that Mediate the Integration of Faces and Voices	The Pew Charitable Trusts	7/1/2010	6/30/2016	\$60,000
Paluck, Elizabeth Levy	CNV1001489	Grant	Creating Tolerant School Settings: A Proposal for a Social Networks-based Field Experimental Intervention	William T. Grant Foundation	7/1/2011	6/30/2016	\$350,000
Paluck, Elizabeth Levy	CNV1001775	Grant	Social Interactions, Identity and Well-Being	Canadian Institute for Advanced Research	7/1/2011	6/30/2016	\$112,500
Shafir, Eldar	CNV1001776	Grant	Social Interactions, Identity and Well-Being Program	Canadian Institute for Advanced Research	7/1/2011	6/30/2016	\$125,000
Turk-Browne, Nicholas B.	CNV1001946	Grant	Relationship Between Numerical and Statistical Processes in Normal Cognition and Dyscalculia	U.S.-Israel Binational Science Fdn.	9/1/2012	8/31/2015	\$60,000
Paluck, Elizabeth Levy	CNV1002636	Grant	Social networks and climates of conflict	National Science Foundation	8/1/2013	7/31/2017	\$322,877
Taylor, Jordan A.	CNV1002637	Grant	A Model System to Study the Interaction of Multiple Processes for Motor Learning	NIH NINDS	9/16/2013	8/31/2018	\$1,704,895
Paluck, Elizabeth Levy	CNV1002841	Grant	Individual versus Norm-Based Aspects of Women's Financial Independence: Assessing Consequences for Gender-Based Violence Through a Randomized Controlled Trial in Colombia	Vanguard Charitable Endowment Program	11/1/2012	11/30/2016	\$959,536

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Centeno, Miguel Angel	AWD1004470	Grant	Social Organization of Cities and Innovative Theories and Methods from Complexity Science	James S. McDonnell Foundation	7/1/2015	6/30/2017	\$200,000
Armstrong, Elizabeth Mitchell	AWD1004480	Grant	Social Exclusion from Mental Health Care: A Field Experimental Study of Disparities in Access	Fahs-Beck Fund - Rsrch & Experimentation	7/1/2015	6/30/2016	\$4,976
Portes, Alejandro	AWD1004486	Grant	ILSEG- Wave III	The Spencer Foundation	12/1/2015	2/28/2017	\$59,800
Vertesi, Janet Amelia	AWD1004559	Grant	EAGER: The Europa Mission: Cyber-Human Systems in Formation	National Science Foundation	9/1/2015	8/31/2017	\$278,743
Zelizer, Viviana Adela	AWD1004598	Grant	College Currencies: Managing Everyday Inequalities	Russell Sage Foundation	9/1/2015	1/31/2016	\$55,843
Stewart, Brandon Michael	AWD1004657	Contract	Computational Measures of Engagement Across Difference in Online Courses	Harvard University	7/1/2015	4/30/2017	\$85,381
Vertesi, Janet Amelia	CNV1001186	Grant	SoCS: Socio-Computational Approaches to Planetary Exploration	National Science Foundation	9/1/2010	8/31/2015	\$749,257
Massey, Douglas S.	CNV1001637	Grant	Doctoral Dissertation Research: State Variation in Taxation Policies	National Science Foundation	12/15/2011	11/30/2015	\$7,900
Portes, Alejandro	CNV1001808	Contract	Values, Institutional Qaulity, and Development	Francisco Manuel dos Santos Foundation	6/1/2012	9/30/2015	\$352,420
Scheppele, Kim Lane	CNV1002001	Grant	Doctoral Dissertation Research: Democratic Participation in Non-Democracies? Mobilizing International Legal Regimes for National Reform in Three Monarchies	National Science Foundation	9/1/2012	8/31/2015	\$24,850
Centeno, Miguel Angel	CNV1002640	Grant	Doctoral Dissertation Research: Hispanic Population Growth and Black-White Relations in the United States	National Science Foundation	9/1/2013	8/31/2015	\$11,972
Vertesi, Janet Amelia	CNV1003081	Contract	Sociological Investigations for Europa Clipper Mission Success	Cal Tech - Jet Propulsion Lab (JPL)	4/7/2014	7/30/2015	\$42,499

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Putukian, Margot	AWD1004317	Grant	NCAA-DoD Grand Alliance: Concussion Assessment, Research and Education (CARE) Consortium-- Longitudinal Clinical Study Core	University of Michigan	8/1/2014	9/14/2017	\$432,697
Putukian, Margot	CNV1002735	Grant	Head Impact Exposures in Lacrosse Players	US Lacrosse Foundation	7/1/2013	6/30/2017	\$56,270
Putukian, Margot	CNV1002964	Grant	The Epidemiology of Concussions in Ivy League Sports - A Web-Based Registry Study	Council of Ivy League Presidents	8/1/2013	6/30/2016	\$7,600
Putukian, Margot	CNV1002985	Grant	The Effect of Head Impact Biomechanics on Short- and Long-Term Neurological Status in Collegiate Men's and Women's Lacrosse and Soccer Players	Natl Oper Comm on Stds for Athl Equip	3/1/2014	12/31/2016	\$364,376

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Howard, Heather Harding	AWD1004074	Contract	State Health and Value Strategies	Robert Wood Johnson Foundation	7/1/2014	12/31/2015	\$1,556,739
Christensen, Thomas J.	AWD1004080	Grant	Bradley Foundation Fellowship Program for the Meritorious Support for Graduate Students and Post-Graduate Fellows	The Lynde and Harry Bradley Fdn., Inc.	7/1/2014	7/7/2016	\$25,000
Moll, Benjamin	AWD1004085	Grant	2014 Kauffman Junior Faculty Fellow	Ewing Marion Kauffman Foundation	8/1/2014	9/30/2016	\$35,000
Glaser, Alexander	AWD1004108	Grant	Research and Policy Analysis Relating to the Future of Nuclear Power and Nuclear-Weapon Proliferation; and the Verification of Nuclear Disarmament	Carnegie Corporation of New York	10/1/2014	9/30/2017	\$1,000,861
Widner, Jennifer Anne	AWD1004153	Contract	Science of Delivery	The World Bank	8/15/2014	7/31/2015	\$31,130
Shapiro, Jacob N.	AWD1004210	Grant	Deterrence with Proxies	University of California at San Diego	9/1/2014	8/31/2017	\$628,112
Danspeckgruber, Wolfgang Franz	AWD1004234	Grant	Strategic Relevance of the Geopolitical Space of the Empire of Alexander the Great - in our Time	Carnegie Corporation of New York	7/1/2014	9/30/2016	\$586,801
Widner, Jennifer Anne	AWD1004301	Contract	Research Proposal: Princeton University and the French Development Agency	French Agency for Development	1/1/2015	12/31/2016	\$231,250
McLanahan, Sara	AWD1004327	Grant	Future of Children: Education for Children from Pre-K to Third Grade	Foundation for Child Development	12/1/2014	6/30/2017	\$125,000
Itskhoki, Oleg	AWD1004391	Grant	Sloan Research Fellowships	Alfred P. Sloan Foundation	9/15/2015	9/14/2017	\$50,000
Glaser, Alexander	AWD1004401	Grant	Extension of the International Panel on Fissile Materials (IPFM)	The John D. & Catherine T. MacArthur Fdn	4/1/2015	3/31/2018	\$1,756,338
Mian, Zia	AWD1004402	Grant	Project on Peace and Security in South Asia: Research, Collaboration and Education for Reducing Nuclear Dangers in South Asia	New-Land Foundation	2/1/2015	1/31/2017	\$100,083
Mian, Zia	AWD1004403	Grant	Advancing US-Iran Nuclear Diplomacy and Rapprochement and a Middle East Nuclear-Weapons-Free Zone	Rockefeller Brothers Fund, Inc.	5/1/2015	4/30/2016	\$90,007
Widner, Jennifer Anne	AWD1004446	Grant	Open Government Partnership Case Study Project	Open Government Partnership	5/15/2015	12/31/2015	\$55,000
Howard, Heather Harding	AWD1004447	Grant	RWJF's State Health Reform Assistance Network	Robert Wood Johnson Foundation	7/1/2015	6/30/2016	\$946,607
Mian, Atif Rehman	AWD1004498	Grant	Impact of the Great Rise in Finance on Resource Allocation and Employment	Washington Center for Equitable Growth	9/1/2015	11/30/2016	\$60,000
Mian, Zia	AWD1004501	Grant	Advancing US-Iran Nuclear Diplomacy and Rapprochement and a Middle East Nuclear-Weapons-Free Zone	Ploughshares Fund	7/1/2015	6/30/2016	\$70,000
Shapiro, Jacob N.	AWD1004563	Grant	Punjab Economic Opportunity Programme: Evaluating Markets for Skill Acquisition and Employment	Harvard University	2/1/2015	1/31/2017	\$56,000

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Christensen, Thomas J.	AWD1004577	Grant	Bradley Foundation Fellowship Program for the Meritorious Support for Graduate Students and Post-Graduate Fellows	The Lynde and Harry Bradley Fdn., Inc.	7/1/2015	6/30/2017	\$25,016
Searchinger, Timothy D.	AWD1004648	Grant	Analyzing and Communicating Global Bioenergy and Land Use Demands	The David and Lucile Packard Foundation	10/19/2015	10/31/2017	\$250,440
Friedberg, Aaron Louis	AWD1004686	Grant	Bradley Graduate and Post-Graduate Fellowship Program for 2015-2016	The Lynde and Harry Bradley Fdn., Inc.	11/17/2015	11/15/2017	\$25,002
McLanahan, Sara	AWD1004697	Grant	Future of Children: Social-Emotional Learning	The Wallace Foundation	12/15/2015	12/14/2017	\$150,309
Howard, Heather Harding	AWD1004706	Grant	State Health and Value Strategies Program	Robert Wood Johnson Foundation	1/1/2016	6/30/2017	\$1,975,949
Widner, Jennifer Anne	AWD1004729	Contract	British Academy: Anti-Corruption Evidence	The British Academy	1/1/2016	12/31/2017	\$358,186
Mian, Zia	AWD1004821	Grant	Strengthening Non-proliferation Efforts in the Middle East by Supporting Full Implementation of the Iran Nuclear Deal, promoting US-Iran Cooperation and New Security Structures in the Persian Gulf Reg	Rockefeller Brothers Fund, Inc.	5/1/2016	4/30/2017	\$95,000
Shapiro, Jacob N.	AWD1004825	Contract	Evaluating the Impact of Stabilization Programming in Afghanistan	U.S. Institute of Peace	3/18/2016	1/31/2017	\$304,616
Widner, Jennifer Anne	AWD1004829	Grant	Evaluation of Liberia's President's Young Professional Program	Open Society Foundations	3/1/2016	8/31/2016	\$54,689
Oppenheimer, Michael	AWD1004839	Grant	"How Scientists Shape Science-Based Environmental Assessments for Policy"	National Science Foundation	5/1/2016	4/30/2019	\$95,921
Friedberg, Aaron Louis	CNV1000191	Grant	Research Program in International Security	Smith Richardson Foundation, Inc.	7/1/2001	6/30/2017	\$153,592
Friedberg, Aaron Louis	CNV1000409	Grant	Training the Next Generation of Strategists: Strengthening Strategic Studies at Princeton	The Lynde and Harry Bradley Fdn., Inc.	12/10/2007	12/31/2016	\$99,000
Friedberg, Aaron Louis	CNV1000510	Grant	Understanding China's Grand Strategy	The Lynde and Harry Bradley Fdn., Inc.	7/1/2008	12/31/2016	\$40,000
Shapiro, Jacob N.	CNV1000673	Grant	Terrorism, Governance and Development	Air Force Office of Scientific Research	5/1/2009	9/29/2015	\$9,947,455
Chassang, Sylvain	CNV1001387	Grant	Research Fellowship Dr. Sylvain Chassang	Alfred P. Sloan Foundation	9/15/2011	9/15/2015	\$50,000
Currie, Janet Marion	CNV1001470	Grant	Differential Impacts of Environmental Policy on Infants in Poor and Minority Neighborhoods	The John D. & Catherine T. MacArthur Fdn	1/1/2010	6/30/2016	\$234,860
Currie, Janet Marion	CNV1001688	Grant	A Randomized Trial of Effects of Parent Mentors on Insuring Minority Children	Univ of TX Southwestern Medical Ctr	6/1/2011	5/31/2016	\$123,603
Glaser, Alexander	CNV1001710	Grant	Small Modular Reactors and their Fuel Cycles: Assessing the Proliferation Risks.	The John D. & Catherine T. MacArthur Fdn	12/1/2011	11/30/2015	\$330,260
Ikenberry III, Gilford John	CNV1001907	Grant	The Day After: Northeast Asia in the Aftermath of the Collapse of the DPRK	The John D. & Catherine T. MacArthur Fdn	6/1/2012	11/30/2016	\$200,285
Deaton, Angus Stewart	CNV1002073	Grant	Dimensions of Subjective Well-Being: Aging, Religiosity, and Adaptation	National Bureau of Economic Research	7/1/2012	6/30/2016	\$353,281

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De Loecker, Jan K.S.	CNV1002643	Grant	2013 Sloan Research Fellowship Nomination	Alfred P. Sloan Foundation	9/15/2013	9/15/2015	\$50,000
Chyba, Christopher F.	CNV1002644	Grant	Support for Education and Training of the Next Generation of Nuclear Non-Proliferation, Arms Control, and Disarmament Scientists	The John D. & Catherine T. MacArthur Fdn	4/1/2013	3/31/2017	\$1,801,302
Mian, Zia	CNV1002650	Grant	Science & Global Security	The John D. & Catherine T. MacArthur Fdn	6/1/2013	5/31/2017	\$150,049
Friedberg, Aaron Louis	CNV1002651	Grant	Bradley Graduate and Post-Graduate Fellowship Program for 2013-14	The Lynde and Harry Bradley Fdn., Inc.	9/15/2013	9/14/2015	\$25,000
Shapiro, Jacob N.	CNV1002652	Grant	State-building at the Community Level: Evaluating the Impact of Colombias Consolidation Program	Office of Naval Research	8/1/2013	7/31/2017	\$939,276
McLanahan, Sara	CNV1002724	Grant	Future of Children: Military Children and Families Volume	Foundation for Child Development	4/1/2013	12/31/2016	\$50,002
McLanahan, Sara	CNV1002725	Grant	The Future of Children: Promoting Child Health	Robert Wood Johnson Foundation	9/1/2013	8/31/2015	\$148,508
Searchinger, Timothy D.	CNV1002862	Grant	The Agricultural Synergies Project: Guidance for Integrating REDD+ and Agricultural Emissions Reductions.	Norwegian Agency for Development Coop	3/1/2013	3/31/2016	\$2,430,161
Christensen, Thomas J.	CNV1002922	Grant	Princeton-Harvard China and the World Program	Carnegie Corporation of New York	1/1/2014	12/31/2016	\$688,145
Widner, Jennifer Anne	CNV1002923	Grant	Generating Turnarounds in Fragile States	Smith Richardson Foundation, Inc.	1/1/2014	6/30/2016	\$500,000
Searchinger, Timothy D.	CNV1002950	Grant	Analysing Bioenergy, Global Agriculture and Greenhouse Gas Mitigation	The David and Lucile Packard Foundation	10/15/2013	5/31/2016	\$200,000
Shapiro, Jacob N.	CNV1003005	Grant	Punjab Economic Opportunity Program: Evaluating Markets for Skill Acquisition and Employment in Pakistan	Harvard University	9/1/2012	10/31/2015	\$38,100
Christensen, Thomas J.	CNV1003007	Grant	Princeton-Harvard China and the World Program	The John D. & Catherine T. MacArthur Fdn	1/1/2014	12/31/2016	\$500,482
Schwandt, Hannes Alexander	CNV1003154	Contract	Sick of Shocks to Homes, Jobs, and Stocks	The University of Southern Denmark	4/11/2014	1/31/2016	\$61,374
McLanahan, Sara	CNV1003245	Contract	FOC: Marriage and Child Wellbeing: Ten Years Later	Administration for Children and Families	2/26/2014	10/31/2015	\$150,000

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McLanahan, Sara	AWD1004081	Grant	Effects of Poverty on Affective Development: A Multi-Level, Longitudinal Study	University of Michigan	6/6/2014	5/31/2017	\$114,905
Trussell, Thomas James	AWD1004083	Grant	The Birth Control Project: A Longitudinal Study of Women's Contraception Use and Sexual Health	Society of Family Planning	7/1/2014	9/30/2015	\$14,999
McLanahan, Sara	AWD1004102	Grant	Doctoral Dissertation Research: The Effects of Class and Motherhood in Families and the Labor Market	National Science Foundation	9/1/2014	8/31/2016	\$11,939
McLanahan, Sara	AWD1004145	Grant	Administrative Supplement to Recover Losses Due to Hurricane Sandy	NIH NICHD	11/15/2013	10/31/2015	\$140,000
McLanahan, Sara	AWD1004213	Grant	Improving Opportunities for Urban Youth: What Can We Learn from City Comparisons?	Robert Wood Johnson Foundation	11/15/2014	11/14/2017	\$668,690
Massey, Douglas S.	AWD1004214	Grant	Infrastructure for the Office of Population Research	NIH NICHD	9/24/2014	5/31/2019	\$1,992,600
Massey, Douglas S.	AWD1004292	Grant	Validity of the Retrospective Reproductive Calendar Instrument in Developing Countries	Society of Family Planning	10/1/2014	6/30/2016	\$15,000
Currie, Janet Marion	AWD1004293	Grant	Princeton Center for Translational Research on Aging	NIH NIA	9/30/2014	5/31/2019	\$2,217,530
Massey, Douglas S.	AWD1004576	Grant	Public Use Data on Mexican Immigration	NIH NICHD	7/1/2015	6/30/2020	\$3,322,049
Xie, Yu	AWD1004728	Grant	Heterogeneous Treatment of Effects in Demographic Research	NIH NICHD	12/18/2015	5/31/2018	\$872,040
Massey, Douglas S.	AWD1004828	Grant	Service Delivery Factors Influencing Contraceptive Use Dynamics in Developing Countries: A Mixed-Methods and Cross-Disciplinary Approach	NIH NICHD	4/1/2016	8/31/2016	\$53,540
Goldman, Noreen	CNV1000716	Grant	Biodemography of Health, Social Factors and Life Challenge	NIH NIA	7/1/2009	12/31/2016	\$2,922,923
Case, Anne Catherine	CNV1000719	Grant	Princeton Center for the Demography of Aging	NIH NIA	7/1/2009	6/30/2016	\$3,406,264
McLanahan, Sara	CNV1000895	Grant	Children's Health Disparities in the U.S. and the U.K.: The Role of the Family	NIH NICHD	9/28/2009	8/31/2015	\$600,220
Massey, Douglas S.	CNV1001425	Grant	Demography	NIH NICHD	5/1/2011	4/30/2016	\$1,582,491
Telles, Edward E.	CNV1001584	Grant	Enhancing Visibility and Impact of the Project on Ethnicity and Race in Latin America	The Ford Foundation	8/1/2011	1/31/2016	\$200,000
Salganik, Matthew J.	CNV1002059	Grant	Improvements to the Network Scale-Up Method for Studying Hard-To-Reach Populations	NIH NICHD	9/27/2012	6/30/2017	\$523,395
McLanahan, Sara	CNV1002111	Grant	Fragile Families and Child Wellbeing in Adolescence	NIH NICHD	9/17/2012	6/30/2017	\$8,461,080
Tienda, Marta	CNV1002729	Grant	Nativity, Family, and Youth Sexual and Reproductive Health Behavior	NIH NICHD	8/1/2013	7/31/2015	\$102,496
Massey, Douglas S.	CNV1002848	Grant	Latin American and Mexican Migration Project	The John D. & Catherine T. MacArthur Fdn	12/1/2012	11/30/2015	\$325,114

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Freeland, Edward Patrick	CNV1002718	Grant	Careers of Holders of the PhD in the Humanities	The Andrew W. Mellon Foundation	4/1/2013	8/31/2016	\$501,267