

ANNUAL REPORT OF THE UNIVERSITY RESEARCH BOARD AND THE OFFICE OF RESEARCH AND PROJECT ADMINISTRATION 2010-2011 TABLE OF CONTENTS

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SECTION A

THIS SECTION FOCUSES ON SPONSORED RESEARCH FOR THE ACADEMIC YEAR 2010-2011. IT SUMMARIZES THE MAIN TOPICS DISCUSSED BY THE UNIVERSITY RESEARCH BOARD AND ITS SUBCOMMITTEES, AND IT PROVIDES COMMENTARY ON GENERAL FUNDING PATTERNS.

ORPA EXPENDITURES FOR SPONSORED RESEARCH

COMMENTARY AND ANALYSIS

A. 1. EXPENDITURES FOR SPONSORED RESEARCH BACKGROUND AND OVERVIEW

Advancing, preserving and disseminating knowledge is crucial to the University's dual mission: to conduct world-class research and to provide an unparalleled education to its undergraduate and graduate students. Furthermore, expenditures for sponsored research comprise about a quarter of the University's total operating budget. Consequently, the health of Princeton's sponsored research enterprise is vitally important to the University's success.

The national and global economic climate has a significant impact on the amount of external research support flowing into the University, which also is affected by Congressional appropriations to federal agencies that fund basic research, which provide the vast majority of the University's research funding.

FY 2011 Statistics

For the purpose of analyzing trends, a number of tables and charts are provided. The figures shown are in actual dollars that have not been corrected for inflation. Chart 1 details sponsored research expenditures since FY 1999 for Princeton University and PPPL.

The grand total of FY 2011 sponsored research expenditures for the University and PPPL combined was \$280.8 million, a 9.3 percent increase over the previous fiscal year. The University expenditures totaled \$192.9 million, an increase of 9.1 percent over the FY 2010 level. During the same time period, PPPL experienced a 9.7 percent increase over the previous year's level of sponsored research expenditures, with a total of \$87.8 million in FY 2011.

Growth in Princeton's research expenditures increased in Natural Sciences by 10.3 percent (\$72.3M to \$79.7M) and Engineering and Applied Sciences, up 22 percent (\$56.2M to \$68.5M). Humanities and Social Sciences dropped a surprising 19.8 percent (\$19.4 M down to \$15.6M) while the expenditures in the Centers, Institutes and non-Departmental group were stagnant (\$28.9 M to \$29.1M).

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 2011, with federal and state government funding providing \$132.5 million in research support. This comprises almost 75 percent of all sponsored research expenditures at the University.

The five leading government sponsors were the National Institutes of Health, the National Science Foundation, the Department of Defense Agencies (including Army, Air Force, Navy, DARPA, and DTRA) the Department of Energy and Department of Commerce (DOC) . These agencies provided, respectively, \$45.8M, \$45.8M, \$26M, \$13.1M and \$5.1M in research funding during FY 2011. In a surprising turn of events, for the first time, DOC has replaced the National Aeronautics and Space Administration (NASA) as one of the top 5 agencies. DOC includes National Oceanic and Atmospheric Administration (NOAA) and National Institute of Standards and Technology (NIST). This distribution, except for DOC, in terms of the percentage of overall activity among the government entities, has been quite consistent in recent years, with NIH and NSF serving as Princeton's primary government sponsors.

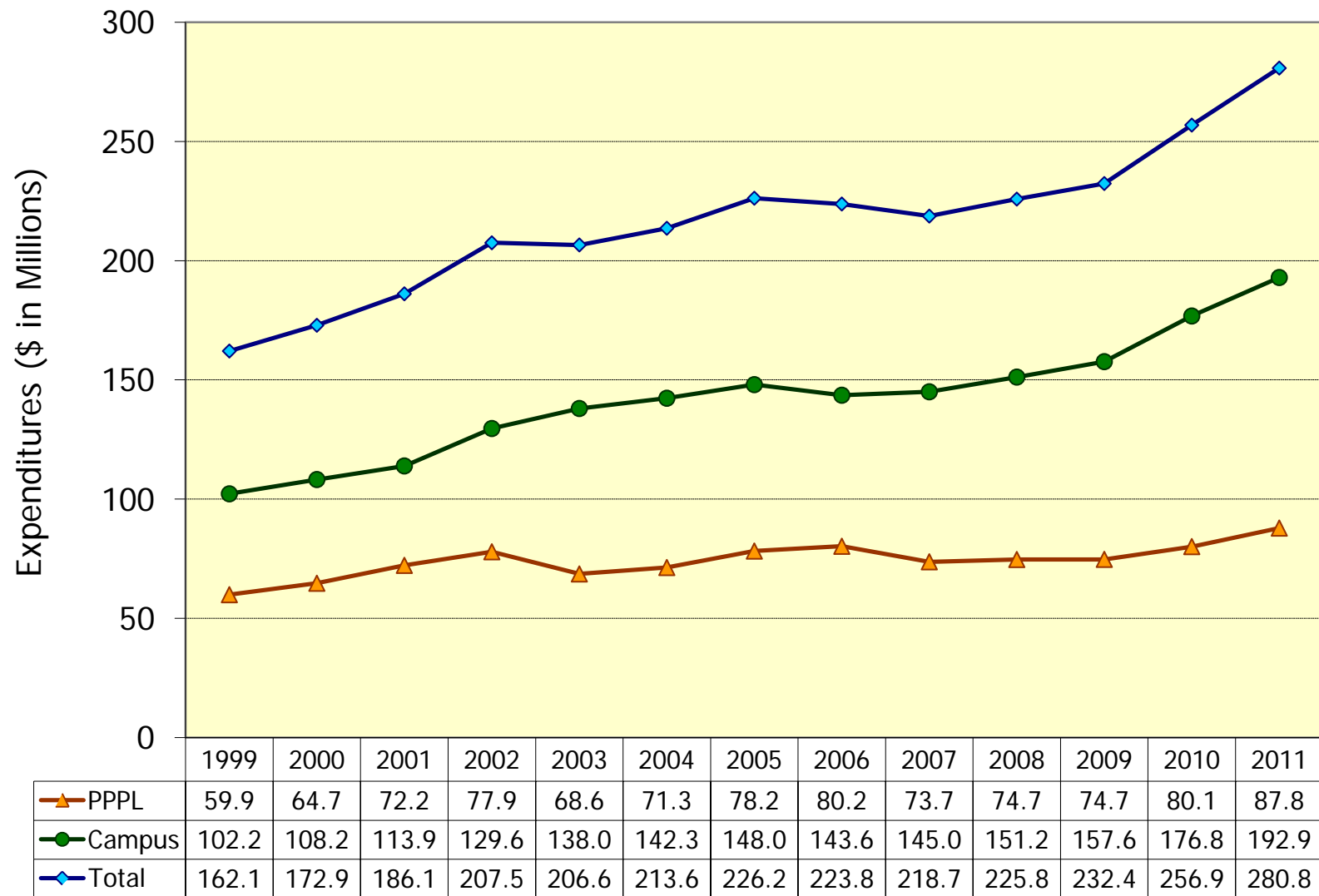
Chart 4-1 shows the percentage of expenditures by sponsor for FY 2011. Chart 5-1 presents a five-year comparison of government sponsored expenditures from FY 2007-2011. Charts 4-2, 5-2, 6-1 and 6-2 categorize federally funded subawards from industry and private organizations by their prime source of funds.

Funding from non-government sources comprised the balance of the total research expenditures in FY 2011. This category includes foundations, private/other entities (which include educational institutions and hospitals) and industrial sources, representing 6.9 percent, 11.4 percent and 7.7 percent, respectively, of Princeton's sponsored research expenditures. While support from private/other had a slight increase (almost 3%), support from industry increased an amazing 38% in FY 2011. Support from foundations was virtually the same, but fell almost a percent.

It is important to note that many of the projects in the private/other category are subcontracts from other academic institutions and/or centers or consortia in which Princeton faculty participates, and these institutions get their funding Federal sources. This is indicative of a widely acknowledged trend toward interdisciplinary and multi-institutional research collaborations, which is strongly encouraged and fostered by sponsors. Expenditures from prime sources amounted to \$20.5M in FY2011.

SECTION A
Chart 1

HISTORY OF SPONSORED RESEARCH EXPENDITURES



SECTION A

TABLE 1

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

Sponsors, Campus					
	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>
NIH	37,911	37,026	41,742	45,137	45,839
NSF	35,928	42,946	39,637	41,459	45,824
DOD	15,735	17,437	17,465	24,177	25,967
DOE	7,573	7,374	7,527	8,736	13,131
NASA	5,818	4,833	4,953	5,024	4,804
DOC	3,359	3,282	3,905	4,456	5,155
NJ	1,570	1,666	1,213	871	1,068
Other (DOI, EPA, FAA, AID, ED, Misc)	1,667	1,490	1,763	2,253	2,105
NEH and NEA	427	150	290	374	202
TOTAL GOVERNMENT	109,991	116,205	118,495	132,488	144,096
TOTAL FOUNDATION	11,949	11,403	12,491	12,194	12,102
TOTAL PRIVATE/OTHER	15,113	15,638	18,358	21,385	21,940
TOTAL INDUSTRIAL	7,996	7,926	8,299	10,729	14,801
TOTAL, CAMPUS	\$145,049	\$151,172	\$157,643	\$176,796	\$192,940

Sponsors, Plasma Physics Lab					
DOE	73,104	74,465	74,605	79,759	87,126
State of NJ	24	66	(1)	0	0
TOTAL GOVERNMENT	73,128	74,531	74,604	79,759	87,126
TOTAL FOUNDATION	0	0	0	0	0
TOTAL INDUSTRIAL	156	66	89	149	126
TOTAL PRIVATE/OTHER	417	66	23	171	588
TOTAL, PPPL	73,701	74,663	74,716	80,079	87,840

GRAND TOTAL, CAMPUS & PPPL	\$218,751	\$225,835	\$232,359	\$256,875	\$280,780
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SECTION A
TABLE 2

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

Sponsors, Campus					
	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>
NIH	40,671	39,653	45,106	48,898	49,374
NSF	37,969	44,831	41,723	43,684	48,789
DOD	21,376	23,117	22,843	30,273	33,143
DOE	10,343	9,881	10,450	12,426	16,975
NASA	7,603	6,363	6,810	6,827	6,356
DOC	3,388	3,289	3,920	4,458	5,260
NJ	1,755	1,971	1,447	1,197	1,188
Other (DOI, EPA, DOJ, AID, ED, Misc)	2,079	2,001	2,407	3,322	3,340
NEH and NEA	477	150	290	374	202
TOTAL GOVERNMENT	125,661	131,257	134,996	151,458	164,626
TOTAL FOUNDATION	11,944	11,403	12,491	12,194	12,088
TOTAL PRIVATE/OTHER	2,621	2,753	3,819	4,077	3,996
TOTAL INDUSTRIAL	4,823	5,758	6,338	9,067	12,230
TOTAL, CAMPUS	\$145,049	\$151,172	\$157,643	\$176,796	\$192,940

Sponsors, Plasma Physics Lab					
DOE	73,191	74,466	74,605	79,759	87,130
DOD	69	0	0	0	0
NSF	0	0	0	0	15
State of NJ	24	66	(1)	0	0
TOTAL GOVERNMENT	73,284	74,533	74,604	79,759	87,146
TOTAL INDUSTRIAL	0	65	89	149	106
TOTAL PRIVATE/OTHER	417	66	23	171	588
TOTAL, PPPL	73,701	74,663	74,716	80,079	87,840

GRAND TOTAL, CAMPUS & PPPL	\$218,751	\$225,834	\$232,359	\$256,875	\$280,780
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*Shows Government funded subawards from industry & private organizations categorized by their prime source of funds.

SECTION A

TABLE 3

5 YEAR HISTORY BY DIVISION

SPONSORED PROJECT EXPENDITURES (\$1,000)

<u>Breakdown by Division*</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>
Natural Sciences	62,666	63,098	65,577	72,292	79,730
Engineering & Applied Sciences	44,729	49,561	47,985	56,165	68,494
Humanities & Social Sciences	16,160	14,008	16,851	19,416	15,572
Centers, Institutes & Non-Dept'l	<u>21,495</u>	<u>24,504</u>	<u>27,229</u>	<u>28,923</u>	<u>29,144</u>
Sub-Total Campus	145,049	151,172	157,643	176,796	192,940
Plasma Physics Laboratory	<u>73,701</u>	<u>74,663</u>	<u>74,716</u>	<u>80,079</u>	<u>87,840</u>
GRAND TOTAL	218,751	225,834	232,359	256,875	280,780

NUMBER OF SPONSORED PROJECTS

<u>Breakdown by Division*</u>	<u>2007</u>	<u>2008</u>	<u>2008</u>	<u>2010</u>	<u>2011</u>
Natural Sciences	531	567	566	622	616
Engineering & Applied Sciences	448	431	442	456	437
Humanities & Social Sciences	170	162	153	142	149
Centers, Institutes & Non-Dept'l	<u>86</u>	<u>106</u>	<u>116</u>	<u>135</u>	<u>131</u>
Sub-Total Campus	1,235	1,266	1,277	1,355	1,333
Plasma Physics Laboratory	<u>11</u>	<u>11</u>	<u>8</u>	<u>9</u>	<u>12</u>
GRAND TOTAL	1,246	1,277	1,285	1,364	1,345

AVERAGE EXPENDITURES PER PROJECT (\$1,000)

<u>Breakdown by Division*</u>	<u>2007</u>	<u>2008</u>	<u>2008</u>	<u>2010</u>	<u>2011</u>
Natural Sciences	118	111	116	116	129
Engineering & Applied Sciences	100	115	109	123	157
Humanities & Social Sciences	95	86	110	137	105
Centers, Institutes & Non-Dept'l	250	231	235	214	222
All	117	119	123	130	145

*Divisions are not Dean of Faculty definitions.

Chart 2
Breakdown of Expenditures
 (Excludes Plasma Physics Lab)

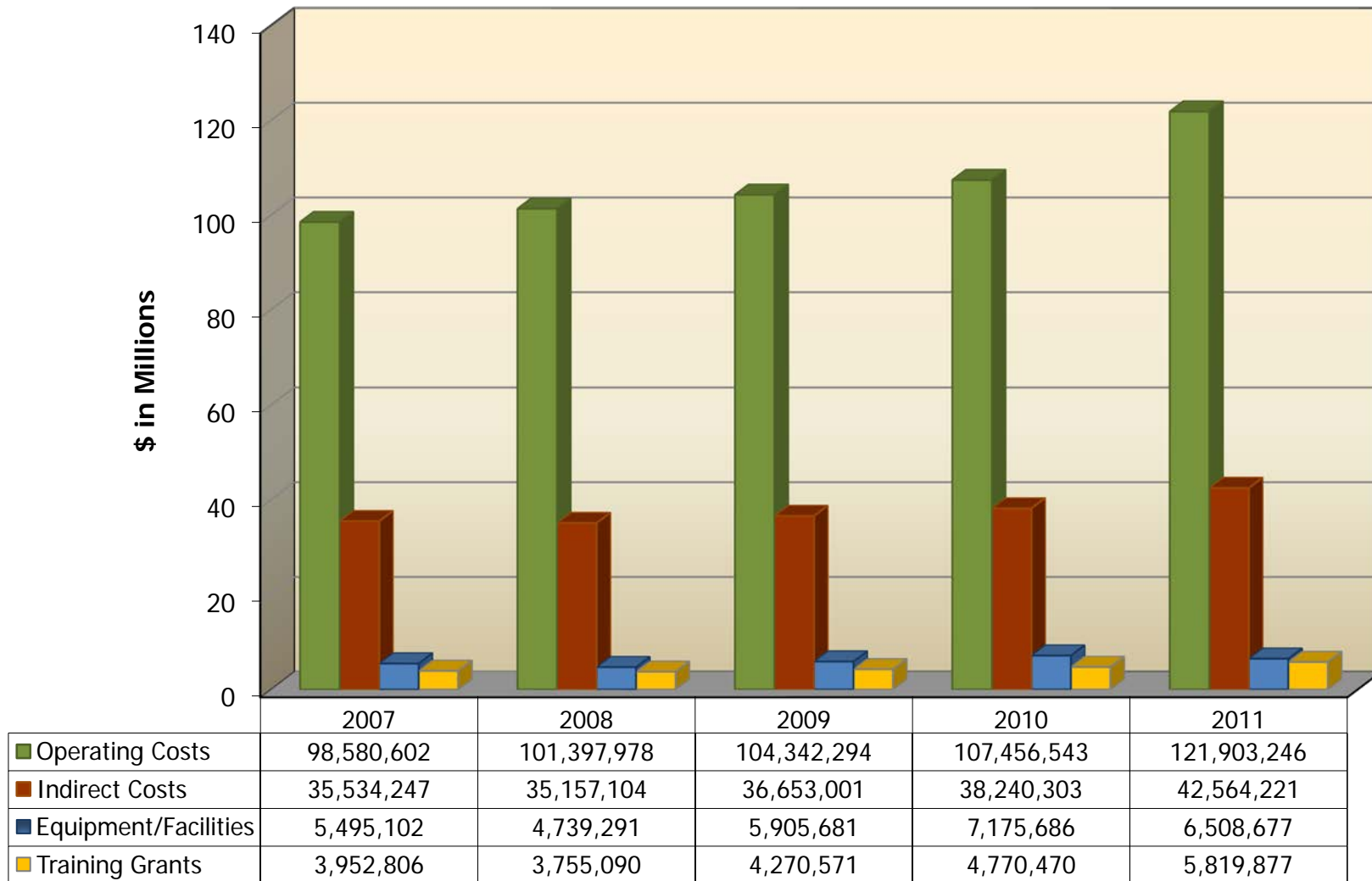


Chart 3
ANALYSIS OF EXPENDITURES
 (Excludes PPPL)

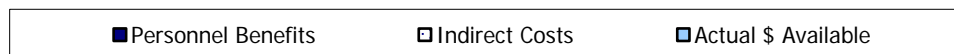
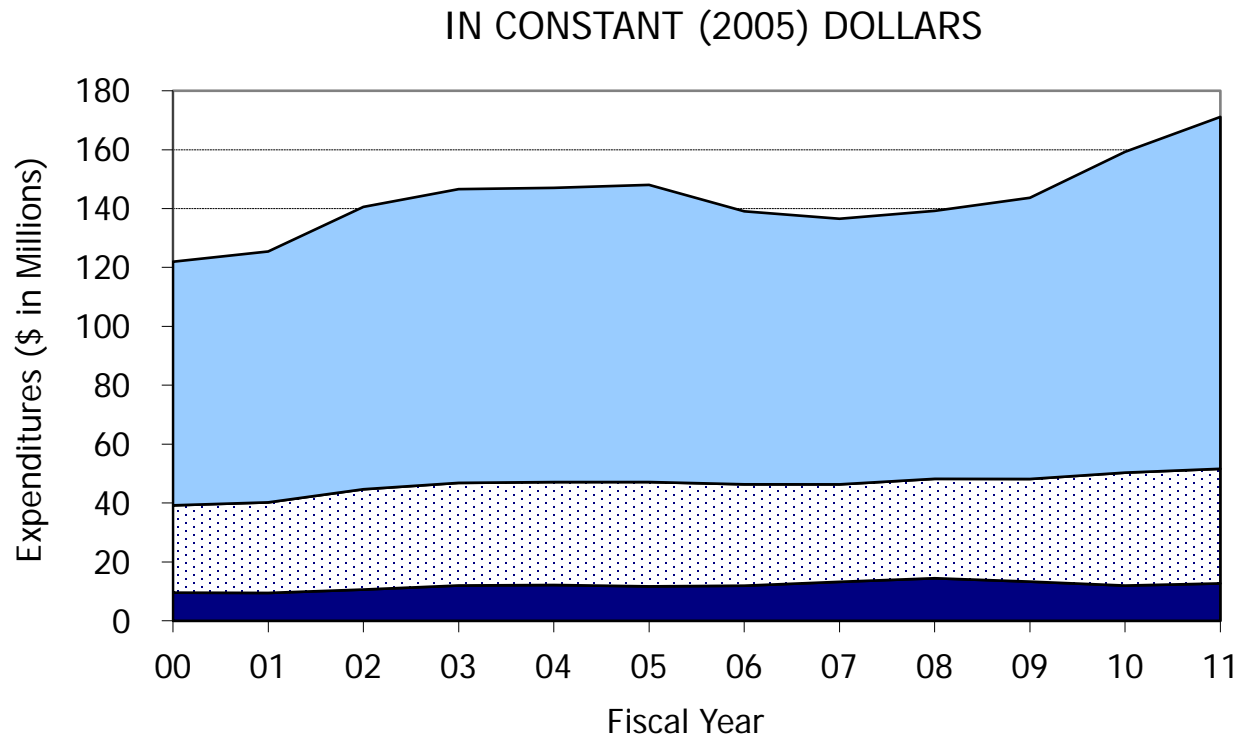
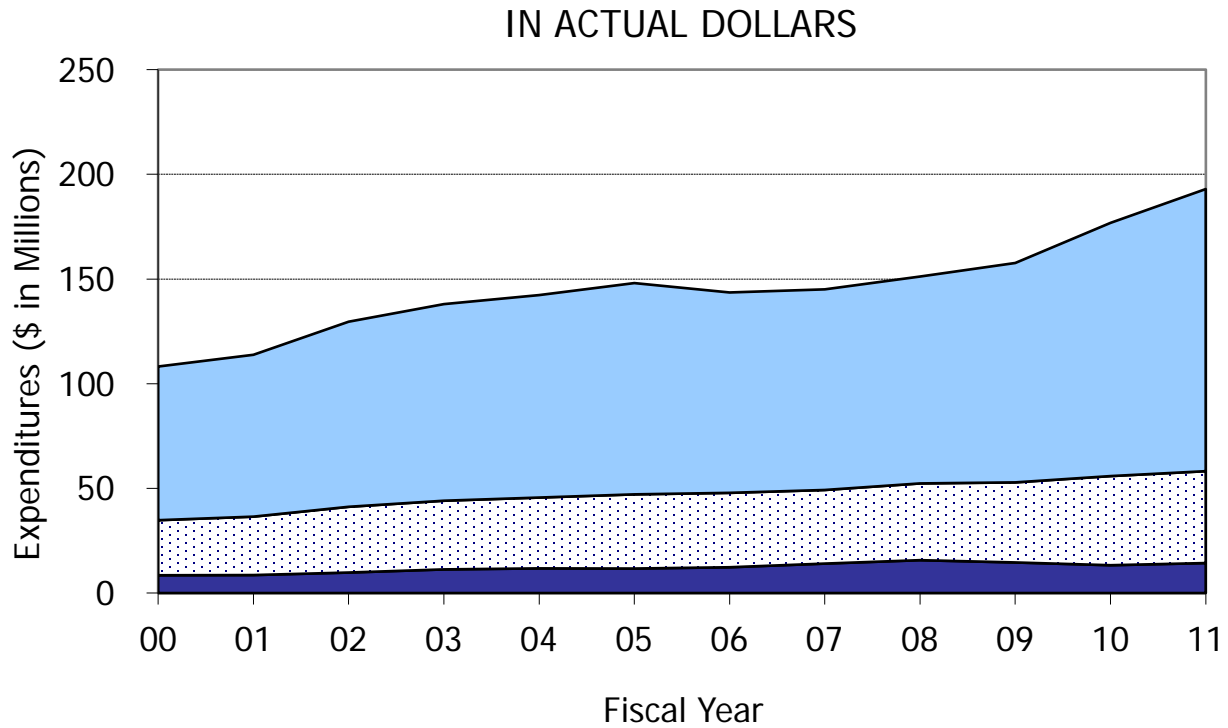


TABLE 4
ANALYSIS OF SPONSORED PROJECT EXPENDITURES
\$ IN THOUSANDS
(EXCLUDES PLASMA PHYSICS LAB)

	<u>IN ACTUAL DOLLARS</u>										
	<u>FY00-01</u>	<u>FY01-02</u>	<u>FY02-03</u>	<u>FY03-04</u>	<u>FY04-05</u>	<u>FY05-06</u>	<u>FY06-07</u>	<u>FY07-08</u>	<u>FY08-09</u>	<u>FY09-10</u>	<u>FY10-11</u>
<u>Total Expenditures</u>	113,864	129,616	138,033	142,311	148,046	143,563	145,049	151,172	157,643	176,796	192,940
less <u>Indirect Costs</u>	27,998	31,388	32,811	33,825	35,427	35,534	35,157	36,653	38,240	42,564	43,882
less <u>Personnel Benefits</u>	8,678	9,818	11,315	11,787	11,711	12,327	14,077	15,708	14,618	13,283	14,329
<u>Actual \$ Available to Project Leaders</u>	77,188	88,410	93,907	96,700	100,909	95,701	95,815	98,811	104,785	120,949	134,729
	<u>IN CONSTANT (2005) DOLLARS*</u>										
	<u>FY00-01</u>	<u>FY01-02</u>	<u>FY02-03</u>	<u>FY03-04</u>	<u>FY04-05</u>	<u>FY05-06</u>	<u>FY06-07</u>	<u>FY07-08</u>	<u>FY08-09</u>	<u>FY09-10</u>	<u>FY10-11</u>
<u>Total Expenditures</u>	125,537	140,689	146,652	147,061	148,046	139,035	136,458	139,176	143,815	160,723	171,128
less <u>Indirect Costs</u>	30,778	34,087	34,856	34,954	35,427	34,413	33,075	33,745	34,886	38,695	38,921
less <u>Personnel Benefits</u>	9,487	10,638	12,008	12,180	11,711	11,938	13,243	14,462	13,336	12,090	12,709
<u>Actual \$ Available to Project Leaders</u>	85,272	95,964	99,788	99,927	100,909	92,684	90,140	90,969	95,593	109,938	119,498

*GDP implicit price deflators used to calculate Constant Dollars are from USDOC Bureau of Economic Analysis. FY11 estimated.

Chart 4-1
Funding % By Sponsor - FY 2010-2011
(Excludes PPPL)

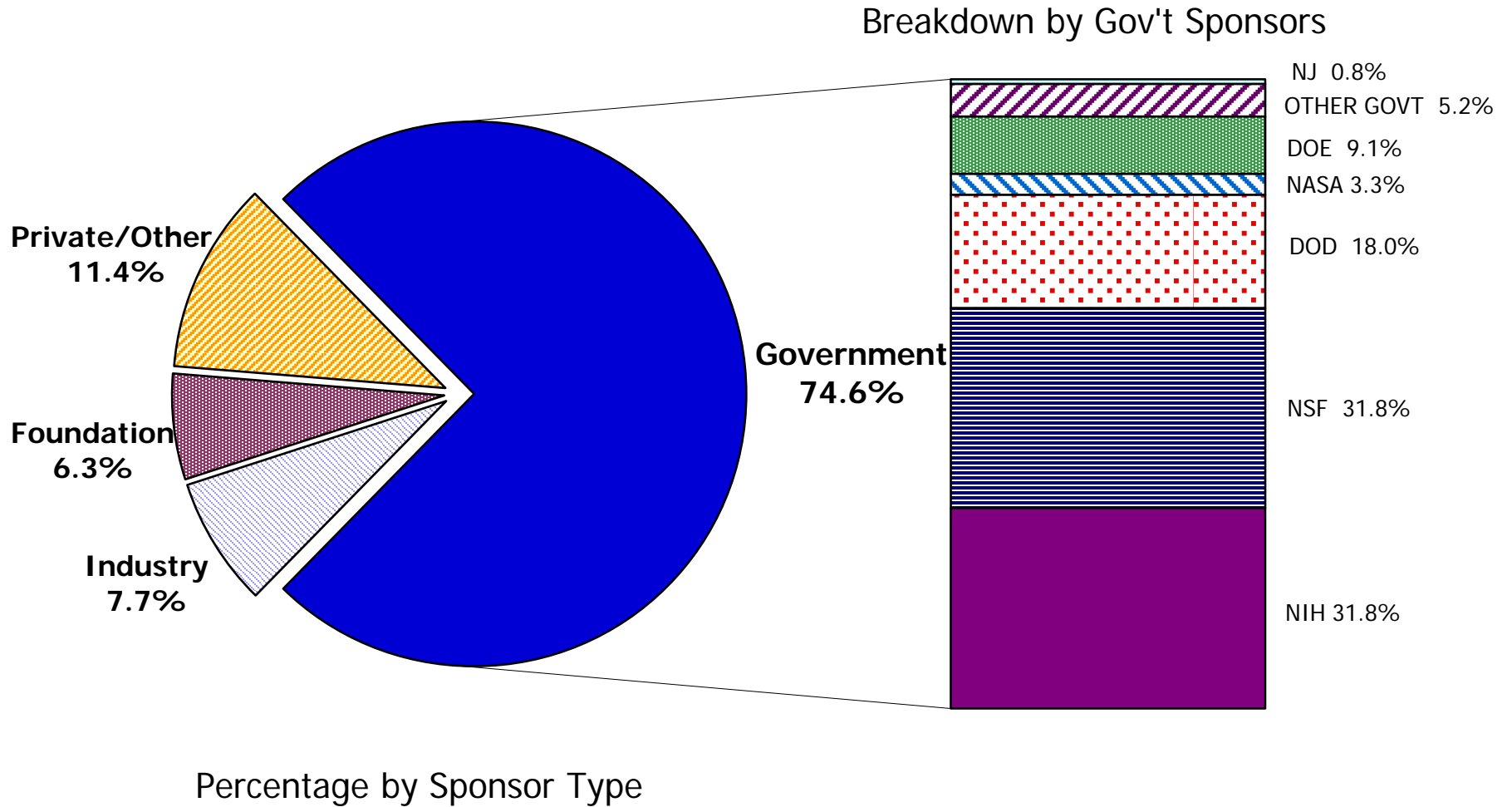
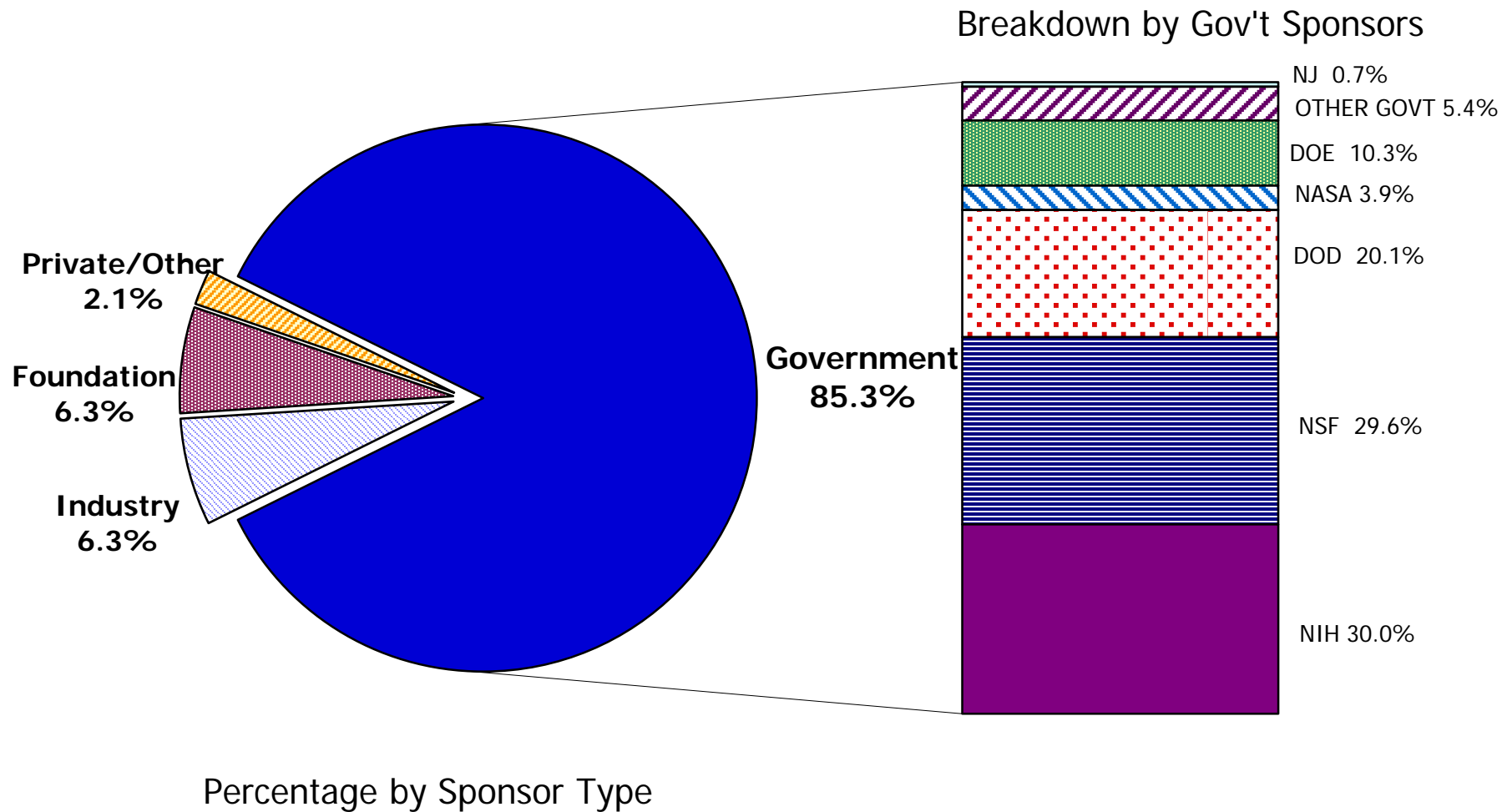


Chart 4-2
Funding % By Prime* Sponsor - FY 2010-2011
 (Excludes PPPL)



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

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

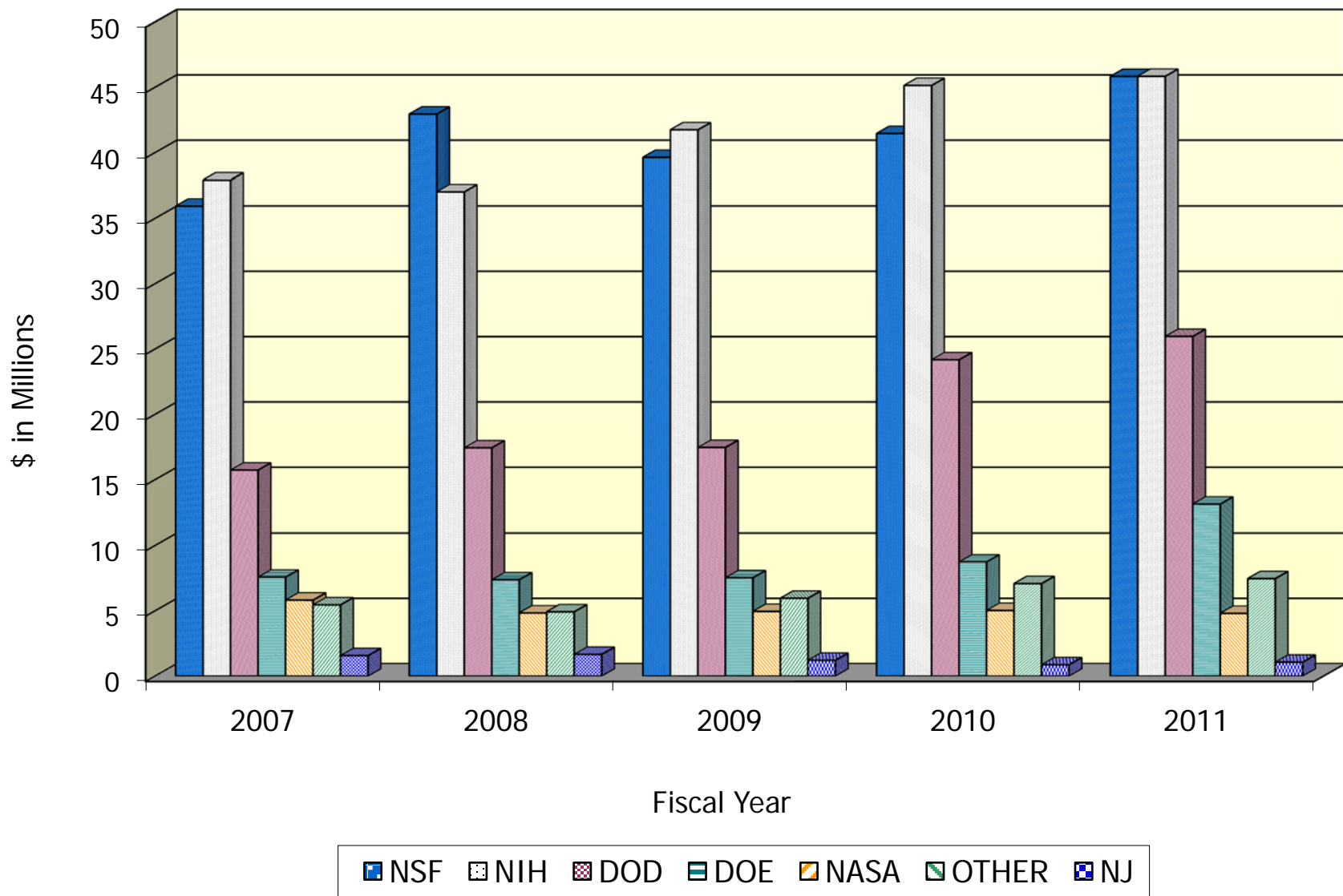


Chart 5-2
Comparison of Prime Government Sponsored Expenditures
 5 Year History
 (Excludes Plasma Physics Lab)

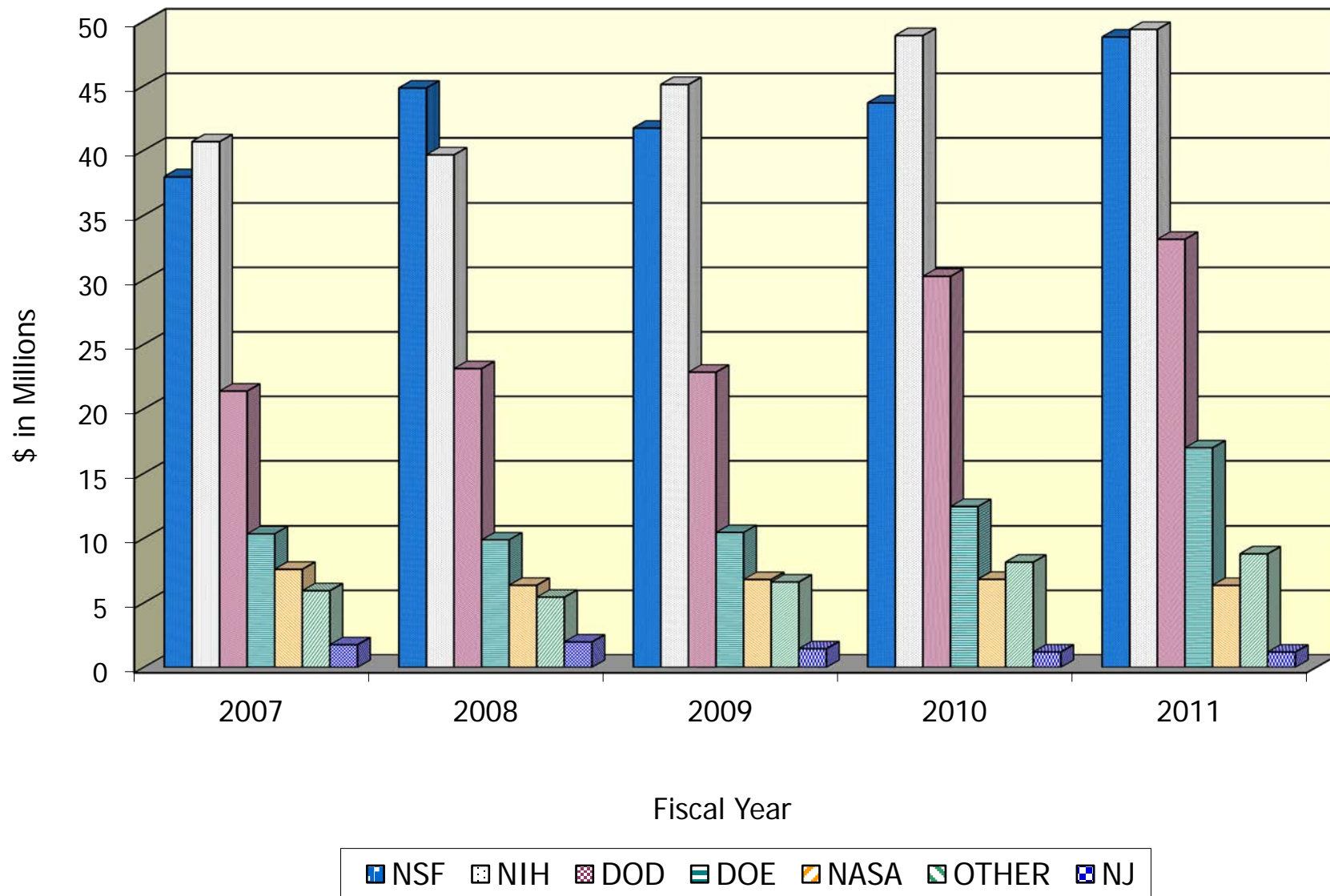


Chart 6-1
Comparison of Non-Government Sponsored Expenditures
 (Excludes Plasma Physics Lab)

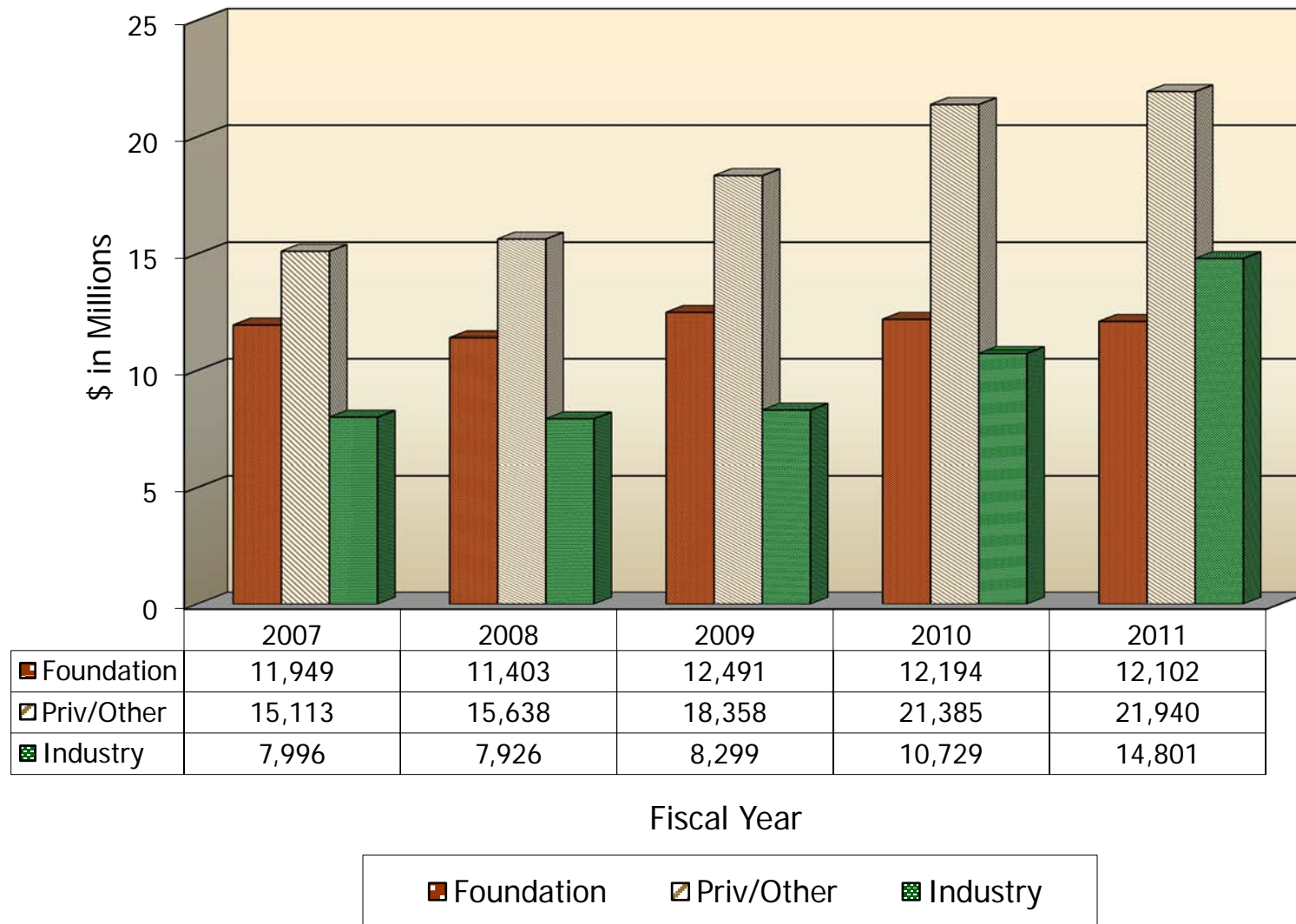


Chart 6-2

Comparison of Non-Government Sponsored Expenditures

(with Funds moved to Prime Sponsor)

(Excludes Plasma Physics Lab)

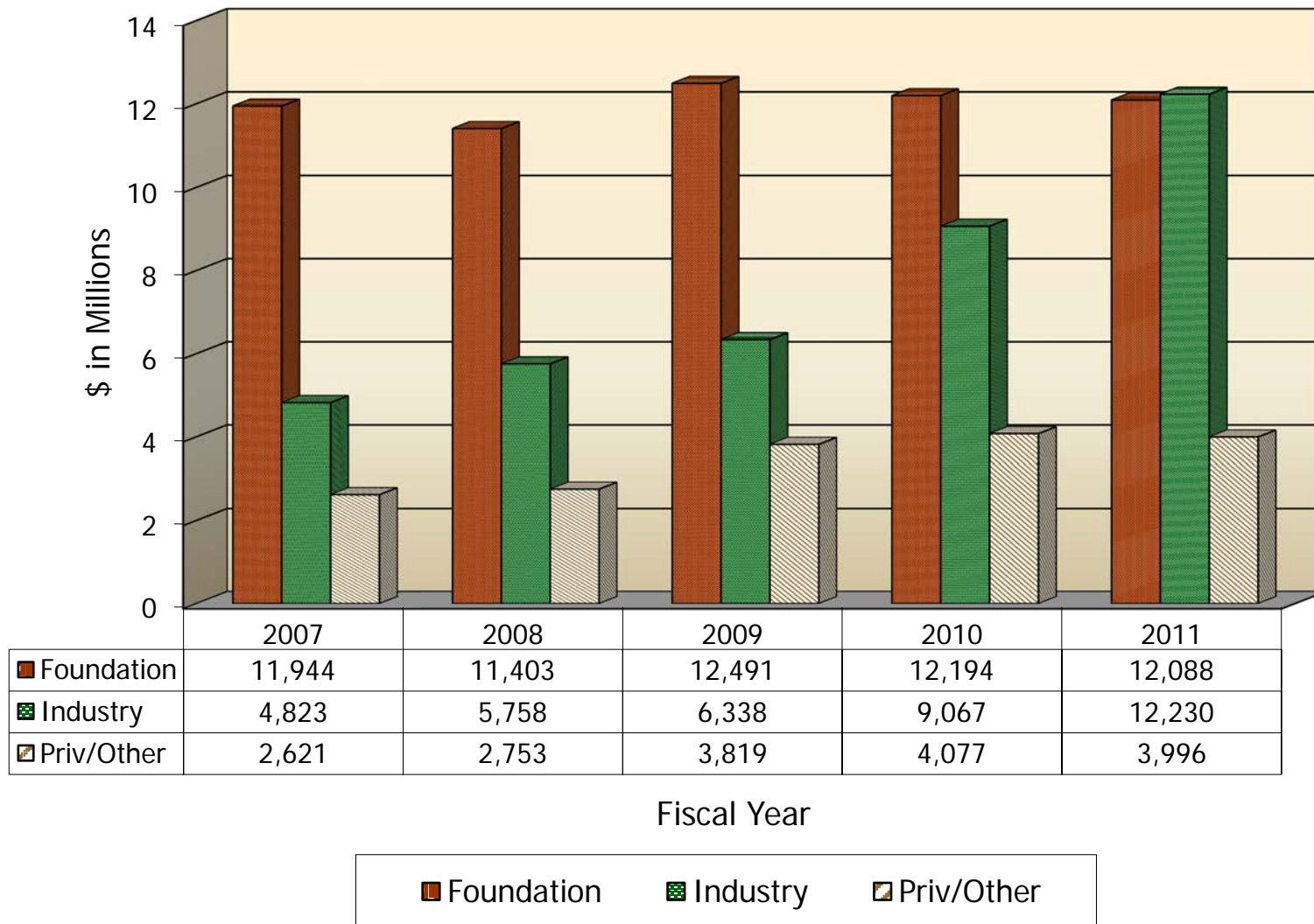
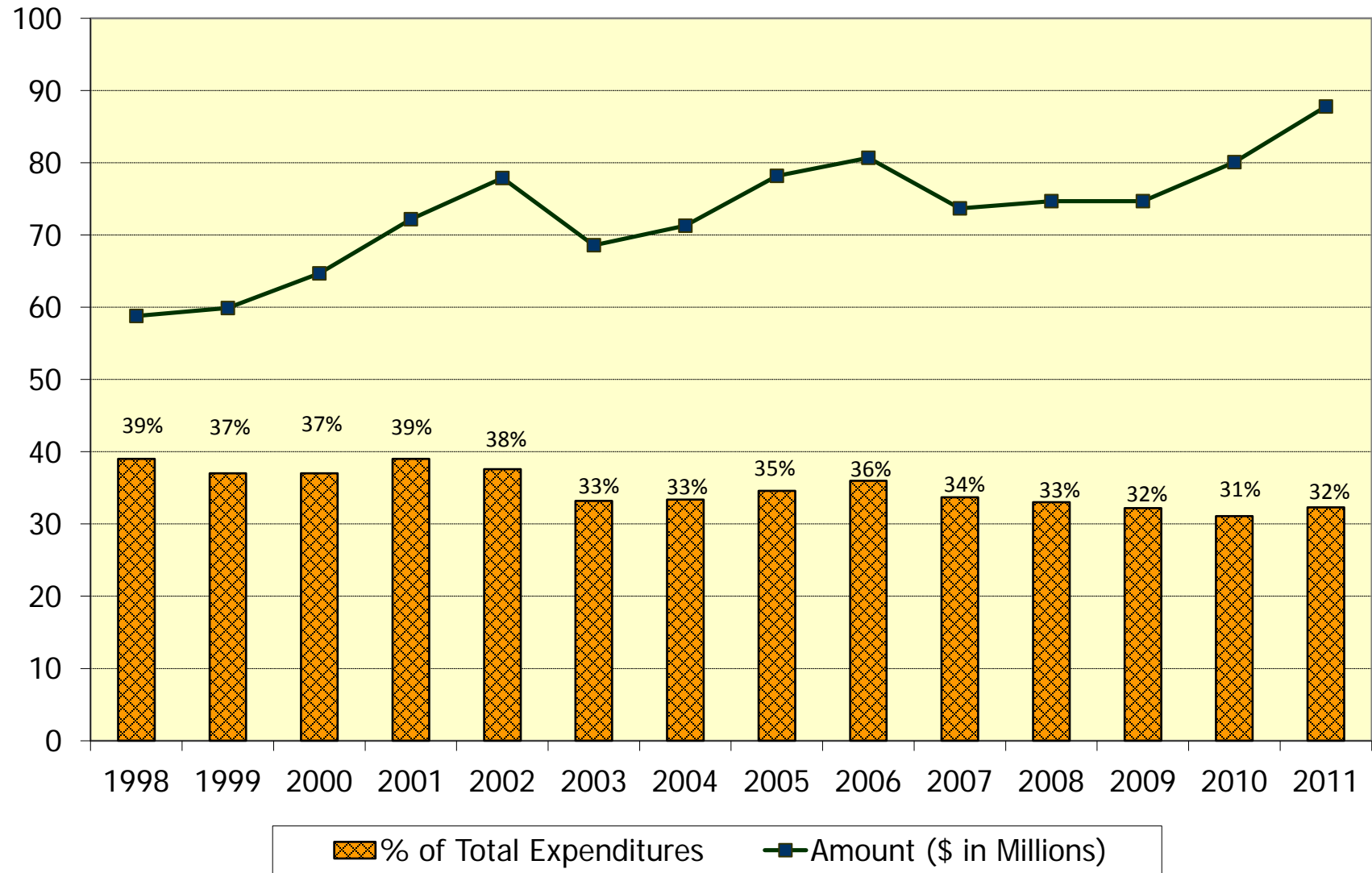


Chart 7

PLASMA PHYSICS LABORATORY

Amount and Percentage of Total Expenditures



SECTION A.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 A.II

TABLE 5

SUMMARY OF SPONSORED EXPENDITURES BY DEPARTMENT OR PROGRAM

July 1, 2010 - June 30, 2011

DEPARTMENT/PROGRAM	# of Projs.*	Operating Expenses	Student Aid/ Training Grants	Equipment & Facilities	Indirect Costs	Total
NATURAL SCIENCES	616	\$48,707,971	\$4,200,771	\$7,647,814	\$19,173,132	\$79,729,688
Applied & Computational Math (PACM)	31	3,082,937	9,528	0	1,175,531	4,267,996
Astrophysical Sciences	68	2,838,276	334,781	0	1,318,544	4,491,602
Atmospheric & Oceanic Sciences	26	4,416,993	490	39,626	1,504,648	5,961,757
Chemistry	72	6,559,394	81,667	232,642	2,146,189	9,019,892
Ecology & Evolutionary Biology	38	2,749,197	57,087	14,145	873,811	3,694,239
Geosciences	64	2,889,532	28,438	309,474	1,234,124	4,461,567
Mathematics	52	1,563,536	605,127	(3,308)	746,185	2,911,540
Molecular Biology	159	12,658,400	2,850,614	1,802,871	5,881,243	23,193,129
Physics	79	10,806,361	70,283	5,252,364	3,790,544	19,919,551
Psychology	27	1,143,345	162,757	0	502,313	1,808,415
ENGINEERING & APPLIED SCIENCES	437	47,215,773	700,937	5,359,095	15,217,887	68,493,692
Chemical & Biological Engineering	60	5,854,687	95,670	176,210	1,944,446	8,071,012
Civil & Environmental Engineering	61	3,242,806	50,170	116,231	1,037,243	4,446,450
Computer Science	66	4,940,915	133,333	1,236,986	2,046,361	8,357,595
Electrical Engineering	88	9,547,729	58,777	339,176	2,459,683	12,405,364
Mechanical & Aerospace Engineering	62	5,688,541	53,729	389,641	2,242,573	8,374,484
Operations Research & Financial Engin.	23	1,606,815	109,385	98,000	727,874	2,542,075
PRISM	77	16,334,281	199,873	3,002,852	4,759,707	24,296,712
HUMANITIES & SOCIAL SCIENCES	149	\$12,598,365	\$403,139	\$5,281	\$2,565,529	\$15,572,315
Anthropology	1	25,498	0	0	6,629	32,127
Architecture & Urban Planning	3	12,375	245	0	(8)	12,612
Art & Archaeology	2	14,679	0	0	0	14,679
Comparative Literature	1	345,161	0	0	0	345,161
East Asian Studies	2	47,333	0	0	0	47,333
East Asian Program	1	33,865	0	0	3,386	37,251
Economics	15	425,476	0	0	232,985	658,461
English	1	5,523	0	0	0	5,523
History	6	227,288	0	0	29,282	256,570

TABLE 5 (CONT.)

DEPARTMENT/PROGRAM	# of Projs.*	Operating Expenses	Student Aid/ Training Grants	Equipment & Facilities	Indirect Costs	Total
Jefferson Papers	2	695,222	0	0	(0)	695,222
Near Eastern Studies	3	140,986	0	0	8,877	149,863
Near Eastern Studies Program	2	247,867	250	0	19,849	267,966
Philosophy	4	232,547	0	0	17,499	250,046
Politics	10	291,649	45,520	0	27,715	364,883
Princeton Inst. for Int'l & Regional Studies (PIIRS)	2	201,209	0	0	1,004	202,212
Program in Theater	1	7,500	0	0	833	8,333
Religion	1	535,620	0	0	0	535,620
Sociology	11	364,691	0	0	73,642	438,333
Woodrow Wilson School	47	4,381,989	164,333	0	632,749	5,179,071
Population Research (WWS)	33	4,244,843	192,791	5,281	1,511,087	5,954,003
Survey Research Center (WWS)	1	117,046	0	0	0	117,046
CENTERS, INSTITUTES & NON-DEPT'L	131	\$19,011,263	\$1,234,885	\$1,972,407	\$6,925,397	\$29,143,951
Art Museum	1	25,752	0	0	0	25,752
Center for Information Technology	2	85,524	0	0	18,202	103,726
Center for Study of Human Values	1	15,000	0	0	0	15,000
Center for Study of Religion	3	321,520	3,400	0	31,239	356,159
Center for Teaching & Learning	1	26,953	0	0	0	26,953
Center for Theoretical Science	2	66,985	0	0	10,864	77,849
Dean of the College	1	154,755	(75)	0	6,248	160,928
Graduate School	1	8,013	30,000	0	0	38,013
Lewis-Siegler Institute	72	8,828,508	657,293	1,867,328	4,499,540	15,852,669
Library	2	71,329	0	0	6,912	78,241
Princeton Environmental Institute (PEI)	17	6,475,147	8,000	21,526	1,164,858	7,669,530
Princeton Inst for Comput'l Sci & Eng (PICSciE)	3	6,554	0	0	4,567	11,122
Princeton Neuroscience Institute (inc. CSBMB)	25	2,925,223	536,267	83,553	1,182,967	4,728,010
SUBTOTAL MAIN CAMPUS	1,333	\$127,533,372	\$6,539,732	\$14,984,597	\$43,881,944	\$192,939,645
Plasma Physics Laboratory	12	\$83,611,034	\$0	\$910,577	\$3,318,400	\$87,840,011
GRAND TOTAL	1,345	\$211,144,406	\$6,539,732	\$15,895,174	\$47,200,344	\$280,779,656

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

SECTION A.II

TABLE 6

SUMMARY OF SPONSORED EXPENDITURES BY SPONSOR**July 1, 2010 - June 30, 2011****MAIN CAMPUS**

GOVERNMENT AGENCY OR DEPARTMENT	# of Projs.*	Operating Expenses	Student Aid/ Training Grants	Equipment & Facilities	Indirect Costs	Total
NIH	168	26,071,468	3,650,555	3,693,834	12,422,998	45,838,855
NSF	376	26,821,730	783,592	7,129,543	11,089,632	45,824,497
AF	29	11,590,803	1,533	416,679	2,318,564	14,327,579
DOE	42	8,794,321	15,063	1,097,624	3,223,692	13,130,700
DARPA	5	4,348,564	2,550	310,953	589,933	5,252,000
DOC (NOAA & NIST)	16	3,821,731	14,324	16,393	1,302,701	5,155,148
NASA	43	3,289,137	196,407	85,649	1,233,217	4,804,410
NAVY	27	2,148,975	6,132	127,030	1,048,684	3,330,821
ARMY	20	1,606,015	87,690	515,309	597,453	2,806,466
STATE OF NEW JERSEY	17	718,140	298,409	0	51,629	1,068,178
MISC. GOVT.**	10	516,634	(75)	0	44,357	560,916
DOI (USGS, MMS, NCPTT)	4	317,553	0	0	169,921	487,474
EPA	1	177,026	0	0	94,803	271,829
ED	2	247,867	250	0	19,849	267,966
FAA	2	183,507	0	0	83,446	266,953
OTHER DOD (DTRA & NSA)	2	204,369	0	0	45,696	250,065
DOT	1	163,336	0	0	86,728	250,064
NEH	3	177,950	0	0	24,411	202,361
TOTAL GOVERNMENT	768	\$91,199,126	\$5,056,429	\$13,393,015	\$34,447,713	\$144,096,283
PRIVATE/OTHER	281	\$14,665,246	\$632,363	\$590,031	\$6,052,682	\$21,940,322
FOUNDATION	185	\$10,186,014	\$731,129	\$611,164	\$573,687	\$12,101,994
INDUSTRIAL	99	\$11,482,986	\$119,811	\$390,387	\$2,807,862	\$14,801,046
TOTAL MAIN CAMPUS	1,333	\$127,533,372	\$6,539,732	\$14,984,597	\$43,881,944	\$192,939,645

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

** Includes CIA, Corp for Nat'l & Comm Serv, HUD, Nat Archives & Records Admin., USDA, & USIP

TABLE 6 (CONT.)

SUMMARY OF SPONSORED EXPENDITURES BY SPONSOR**July 1, 2010 - June 30, 2011****PRINCETON PLASMA PHYSICS LABORATORY**

GOVERNMENT AGENCY OR DEPARTMENT	No. Proj.*	Operating Expenses	Student Aid/ Training Grants	Equipment & Facilities	Indirect Costs	Total
DOE PRIME CONTRACT	1	83,134,409	0	910,577	3,080,523	87,125,509
TOTAL GOVERNMENT	1	83,134,409	0	910,577	3,080,523	\$87,125,509
INDUSTRIAL	5	\$80,967	\$0	\$0	\$45,340	\$126,307
PRIVATE/OTHER	6	\$395,657	\$0	\$0	\$192,538	\$588,195
TOTAL PLASMA PHYSICS	12	\$83,611,034	\$0	\$910,577	\$3,318,400	\$87,840,011
TOTAL CAMPUS / PPPL	1,345	\$211,144,406	\$6,539,732	\$15,895,174	\$47,200,344	\$280,779,656

SECTION A.II

TABLE 7

SUMMARY OF SPONSORED EXPENDITURES BY PRIME* SPONSOR

July 1, 2010 - June 30, 2011

MAIN CAMPUS

GOVERNMENT AGENCY OR DEPARTMENT	# of Projs.**	Operating Expenses	Student Aid/ Training Grants	Equipment & Facilities	Indirect Costs	Total
NIH	208	28,253,175	3,650,555	3,771,377	13,698,615	49,373,722
NSF	413	28,543,720	1,028,342	7,246,986	11,969,539	48,788,587
AF	53	13,704,381	1,533	637,214	3,435,788	17,778,916
DOE	80	11,380,781	15,063	1,193,324	4,385,355	16,974,522
NASA	86	4,168,643	449,573	101,449	1,635,885	6,355,551
DARPA	13	4,680,806	2,550	345,688	766,095	5,795,140
DOC (NOAA & NIST)	19	3,868,132	44,994	16,393	1,330,131	5,259,650
ARMY	31	2,903,049	87,690	636,745	1,196,291	4,823,775
NAVY	37	2,769,233	12,264	153,408	1,394,443	4,329,348
MISC. GOVT.***	17	1,164,915	(75)	10,460	411,244	1,586,544
STATE OF NEW JERSEY	21	811,748	298,409	16,320	61,946	1,188,424
DOI (MMS, NCPTT, USGS)	6	339,381	0	0	181,575	520,955
EPA	3	288,492	0	0	158,747	447,239
OTHER DOD (DTRA & NSA)	4	309,670	0	0	106,444	416,114
ED	2	247,867	250	0	19,849	267,966
FAA	2	183,507	0	0	83,446	266,953
DOT	1	163,336	0	0	86,728	250,064
NEH	3	177,950	0	0	24,411	202,361
TOTAL GOVERNMENT	999	\$103,958,787	\$5,591,148	\$14,129,365	\$40,946,532	\$164,625,832
PRIVATE/OTHER	86	\$3,461,532	\$172,644	\$15,589	\$346,432	\$3,996,197
FOUNDATION	184	\$10,172,900	\$731,129	\$611,164	\$572,376	\$12,087,569
INDUSTRIAL	64	\$9,940,153	\$44,811	\$228,479	\$2,016,604	\$12,230,048
TOTAL MAIN CAMPUS	1,333	\$127,533,372	\$6,539,732	\$14,984,597	\$43,881,944	\$192,939,645

* 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: CIA, Corp for Nat'l & Comm Serv, DHS, DOL, HUD, Nat Archives & Rec Admin, State Dept, USAID, USIP, and USDA

TABLE 7 (CONT.)

A-23

SUMMARY OF SPONSORED EXPENDITURES BY PRIME* SPONSOR

July 1, 2010 - June 30, 2011

PRINCETON PLASMA PHYSICS LABORATORY

GOVERNMENT AGENCY OR DEPARTMENT	No. Proj.**	Operating Expenses	Student Aid/ Training Grants	Equipment & Facilities	Indirect Costs	Total
DOE	2	83,136,086	0	910,577	3,083,828	87,130,491
NSF	1	8,095	0	0	7,017	15,112
TOTAL GOVERNMENT	3	83,144,181	0	910,577	3,090,845	\$87,145,603
INDUSTRIAL	3	\$71,196	\$0	\$0	\$35,017	\$106,213
PRIVATE/OTHER	6	\$395,657	\$0	\$0	\$192,538	\$588,195
TOTAL PLASMA PHYSICS	12	\$83,611,034	\$0	\$910,577	\$3,318,400	\$87,840,011
TOTAL CAMPUS / PPPL	1,345	\$211,144,406	\$6,539,732	\$15,895,174	\$47,200,344	\$280,779,656

* 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.

SECTION A.II

TABLE 8-1 -- Section 1

MASTER SUMMARY OF SPONSORED RESEARCH - (Expenditures - \$ in Thousands)
BY DEPARTMENT AND SPONSOR (July 1, 2010 - June 30, 2011)

DEPARTMENT / PROGRAM	No. of Projects	GRAND TOTAL EXPENDITURES	NIH		NSF		DOE		AIR FORCE	
NATURAL SCIENCES	616	79,730	101	21,382	189	21,828	20	5,774	10	5,327
Applied & Computational Math	31	4,268	1	276	6	742	1	161	6	1,711
Astrophysical Sciences	68	4,492			15	1,282	7	749		
Atmospheric & Oceanic Sciences	26	5,962			9	491	2	243		
Chemistry	72	9,020	11	1,501	12	1,336	3	546	2	1,815
Ecology & Evolutionary Biology	38	3,694	5	967	16	1,096				
Geosciences	64	4,462			37	2,380	3	447		
Mathematics	52	2,912			46	2,598				
Molecular Biology	159	23,193	78	17,948	5	375				
Physics	79	19,920			35	10,919	4	3,627	2	1,801
Psychology	27	1,808	6	690	8	610				
ENGINEERING & APPLIED SCIENCES	437	68,494	9	4,459	144	21,643	19	6,896	17	6,800
Chemical & Biological Engineering	60	8,071	4	874	16	1,116	4	975	2	2,077
Civil & Environ. Engineering	61	4,446			18	1,085	2	540		
Computer Science	66	8,358			42	6,263			1	140
Electrical Engineering	88	12,405	3	341	30	2,110	5	1,067	4	765
Mechanical & Aerospace Engineering	62	8,374			8	385	2	111	7	2,424
Oper. Res. & Financial Engineering	23	2,542	1	264	13	1,295			1	101
PRISM	77	24,297	1	2,981	17	9,389	6	4,204	2	1,293
HUMANITIES & SOCIAL SCIENCES	149	15,572	15	4,767	29	1,211	0	0	1	1,988
Anthropology	1	32			1	32				
Architecture School	3	13			1	1				
Art & Archaeology	2	15								
Comparative Literature	1	345								
East Asian Studies	2	47								
East Asian Studies Program	1	37								
Economics	15	658			12	620				
English	1	6								
History	6	257	1	80	1	2				
Jefferson Papers	2	695								
Near Eastern Studies	3	150								
Near Eastern Studies Program	2	268								
Philosophy	4	250								
Politics	10	365			3	50				
Princeton Inst. for Int'l. & Reg'l Studies (PIIRS)	2	202								
Religion	1	536								
Sociology	11	438			5	167				
Program in Theater	1	8								
Woodrow Wilson School	47	5,179			2	221			1	1,988
Population Research (WWS)	33	5,954	14	4,687	4	117				
Survey Research Center (WWS)	1	117								
CENTERS, INSTITUTES & NON-DEPT'L	131	29,144	43	15,230	14	1,143	3	460	1	213
Art Museum	1	26								
Center for Information Technology Policy	2	104			1	44				
Center for Study of Human Values	1	15								
Center for the Study of Religion	3	356								
Center for Teaching and Learning	1	27								
Center for Theoretical Science	2	78								
Dean of the College	1	161								
Graduate School	1	38								
Lewis-Siegler Institute	72	15,853	30	11,884	4	698	2	334	1	213
Library	2	78								
Princeton Environmental Institute	17	7,670			3	124	1	127		
Princeton Neuroscience Institute (inc CSBMB)	25	4,728	13	3,346	3	266				
Princeton Inst for Computat'l Sci & Engin (PICSc	3	11			3	11				
TOTAL, MAIN CAMPUS	1333	192,940	168	45,839	376	45,824	42	13,131	29	14,328
Plasma Physics Laboratory	12	87,840					1	87,126		
GRAND TOTAL	1345	280,780	168	45,839	376	45,824	43	100,256	29	14,328

NOTES:

- Figures are rounded out to nearest dollar
- Projects less than \$1,000 not counted
- Figures in () represent negative quantities, usually the result of adjustments to closed accounts.
- Other Govt includes CIA, Corp for Nat'l & Comm Serv, DOI, FAA, FHA, HUD, Nat Archives Records Admin., USDA, & USIP

SECTION A.II

TABLE 8-1 -- Section 2

MASTER SUMMARY OF SPONSORED RESEARCH - (Expenditures - \$ in Thousands)
BY DEPARTMENT AND SPONSOR (July 1, 2010 - June 30, 2011)

DEPARTMENT / PROGRAM	NAVY		NASA		ARMY		STATE OF NJ		DOC		DARPA	
NATURAL SCIENCES	11	1,176	26	2,666	13	1,325	14	878	8	4,318	1	(87)
Applied & Computational Math	6	480			3	151					1	(87)
Astrophysical Sciences			14	999					1	5		
Atmospheric & Oceanic Sciences	1	108	2	274					5	4,233		
Chemistry	1	129			2	236			1	38		
Ecology & Evolutionary Biology												
Geosciences			5	743					1	42		
Mathematics	1	184										
Molecular Biology					6	627	14	878				
Physics	2	275	5	651	2	312						
Psychology												
ENGINEERING & APPLIED SCIENCES	16	2,155	16	2,112	7	1,481	2	51	6	210	3	1,708
Chemical & Biological Engineering	2	277			2	709	1	31				
Civil & Environ. Engineering			6	1,162			1	20	4	198		
Computer Science	2	263										
Electrical Engineering	6	285				0			1	4		
Mechanical & Aerospace Engineering	2	771	10	950	1	49			1	8		
Oper. Res. & Financial Engineering												
PRISM	4	559			4	724					3	1,708
HUMANITIES & SOCIAL SCIENCES	0	0	1	26	0	0	0	0	0	0	0	0
Anthropology												
Architecture School												
Art & Archaeology												
Comparative Literature												
East Asian Studies												
East Asian Studies Program												
Economics												
English												
History												
Jefferson Papers												
Near Eastern Studies												
Near Eastern Studies Program												
Philosophy												
Politics												
Princeton Inst. for Int'l. & Reg'l Studies (PIIRS)												
Religion												
Sociology												
Program in Theater												
Woodrow Wilson School			1	26								
Population Research (WWS)												
Survey Research Center (WWS)												
CENTERS, INSTITUTES & NON-DEPT'L	0	0	0	0	0	0	1	140	2	627	1	3,631
Art Museum												
Center for Information Technology Policy												
Center for Study of Human Values												
Center for the Study of Religion												
Center for Teaching and Learning												
Center for Theoretical Science												
Dean of the College												
Graduate School												
Lewis-Siegler Institute												
Library												
Princeton Environmental Institute									2	627	1	3,631
Princeton Neuroscience Institute (inc CSBMB)							1	140				
Princeton Inst for Computat'l Sci & Engin (PICSc												
TOTAL, MAIN CAMPUS	27	3,331	43	4,804	20	2,806	17	1,068	16	5,155	5	5,252
Plasma Physics Laboratory												
GRAND TOTAL	27	3,331	43	4,804	20	2,806	17	1,068	16	5,155	5	5,252

NOTES:

- Figures are rounded out to nearest dollar
- Projects less than \$1,000 not counted
- Figures in () represent negative quantities, usually the result of adjustments to closed accounts.
- Other Govt includes CIA, Corp for Nat'l & Comm Serv, DOI, FAA, FHA, HUD, Nat Archives Records Admin., USDA, & USIP

SECTION A.II

TABLE 8-1 -- Section 3

MASTER SUMMARY OF SPONSORED RESEARCH - (Expenditures - \$ in Thousands)
BY DEPARTMENT AND SPONSOR (July 1, 2010 - June 30, 2011)

DEPARTMENT / PROGRAM	DTRA/ NSA		NEH		ED		EPA		OTHER GOVT		GOVERNMENT	
NATURAL SCIENCES	0	0	0	0	0	0	0	0	4	765	397	65,353
Applied & Computational Math									1	250	25	3,684
Astrophysical Sciences											37	3,035
Atmospheric & Oceanic Sciences									2	502	21	5,850
Chemistry											32	5,600
Ecology & Evolutionary Biology											21	2,064
Geosciences									1	14	47	3,626
Mathematics											47	2,781
Molecular Biology											103	19,828
Physics											50	17,585
Psychology											14	1,300
ENGINEERING & APPLIED SCIENCES	2	250	0	0	0	0	1	272	4	241	246	48,279
Chemical & Biological Engineering	1	233									32	6,291
Civil & Environ. Engineering							1	272	2	(26)	34	3,251
Computer Science											45	6,666
Electrical Engineering											49	4,572
Mechanical & Aerospace Engineering									2	267	33	4,964
Oper. Res. & Financial Engineering	1	17									16	1,678
PRISM											37	20,857
HUMANITIES & SOCIAL SCIENCES	0	0	2	184	2	268	0	0	5	240	55	8,684
Anthropology											1	32
Architecture School											1	1
Art & Archaeology											0	0
Comparative Literature											0	0
East Asian Studies											0	0
East Asian Studies Program											0	0
Economics											12	620
English											0	0
History											2	82
Jefferson Papers				0					1	174	1	174
Near Eastern Studies											0	0
Near Eastern Studies Program					2	268					2	268
Philosophy			2	184							2	184
Politics									1	50	4	101
Princeton Inst. for Int'l. & Reg'l Studies (PIIRS)											0	0
Religion											0	0
Sociology									2	9	7	176
Program in Theater											0	0
Woodrow Wilson School									1	7	5	2,242
Population Research (WWS)											18	4,804
Survey Research Center (WWS)											0	0
CENTERS, INSTITUTES & NON-DEPT'L	0	0	1	18	0	0	0	0	4	319	70	21,781
Art Museum											0	0
Center for Information Technology Policy											1	44
Center for Study of Human Values											0	0
Center for the Study of Religion											0	0
Center for Teaching and Learning											0	0
Center for Theoretical Science											0	0
Dean of the College									1	161	1	161
Graduate School											0	0
Lewis-Siegler Institute											37	13,128
Library			1	18					1	60	2	78
Princeton Environmental Institute									2	98	9	4,606
Princeton Neuroscience Institute (inc CSBMB)											17	3,752
Princeton Inst for Computat'l Sci & Engin (PICSc											3	11
TOTAL, MAIN CAMPUS	2	250	3	202	2	268	1	272	17	1,565	768	144,096
Plasma Physics Laboratory											1	87,126
GRAND TOTAL	2	250	3	202	2	268	1	272	17	1,565	769	231,222

NOTES:

- Figures are rounded out to nearest dollar
- Projects less than \$1,000 not counted
- Figures in () represent negative quantities, usually the result of adjustments to closed accounts.
- Other Govt includes CIA, Corp for Nat'l & Comm Serv, DOI, FAA, FHA, HUD, Nat Archives Records Admin., USDA, & USIP

SECTION A.II

TABLE 8-1 -- Section 4

MASTER SUMMARY OF SPONSORED RESEARCH - (Expenditures - \$ in Thousands)
BY DEPARTMENT AND SPONSOR (July 1, 2010 - June 30, 2011)

DEPARTMENT / PROGRAM	FOUNDATIONS		INDUSTRY		PRIVATE/ OTHER	
NATURAL SCIENCES	58	2,896	26	1,859	135	9,622
Applied & Computational Math	1	10			5	574
Astrophysical Sciences	3	20			28	1,437
Atmospheric & Oceanic Sciences			1	31	4	81
Chemistry	7	271	14	856	19	2,294
Ecology & Evolutionary Biology	6	377	2	85	9	1,168
Geosciences	2	18	1	169	14	648
Mathematics	4	129			1	1
Molecular Biology	18	788	7	647	31	1,930
Physics	10	1,015		(0)	19	1,319
Psychology	7	267	1	71	5	171
ENGINEERING & APPLIED SCIENCES	27	1,761	68	10,002	96	8,451
Chemical & Biological Engineering	9	518	9	587	10	675
Civil & Environ. Engineering	3	166	3	134	21	896
Computer Science	5	457	12	935	4	300
Electrical Engineering	4	93	19	6,043	16	1,697
Mechanical & Aerospace Engineering	1	48	8	593	20	2,770
Oper. Res. & Financial Engineering	1	25	2	352	4	487
PRISM	4	454	15	1,358	21	1,627
HUMANITIES & SOCIAL SCIENCES	75	5,939	1	1	18	948
Anthropology						
Architecture School	1	2			1	10
Art & Archaeology	2	15				
Comparative Literature	1	345				
East Asian Studies	1	44			1	3
East Asian Studies Program	1	37				
Economics	3	38				
English	1	6				
History	3	165			1	10
Jefferson Papers	1	521				0
Near Eastern Studies	1	98			2	52
Near Eastern Studies Program						
Philosophy	2	66				
Politics	5	219			1	45
Princeton Inst. for Int'l. & Reg'l Studies (PIIRS)	2	202				
Religion	1	536				
Sociology	4	262				
Program in Theater	1	8				
Woodrow Wilson School	35	2,617	1	1	6	320
Population Research (WWS)	9	642			6	508
Survey Research Center (WWS)	1	117				
CENTERS, INSTITUTES & NON-DEPT'L	25	1,506	4	2,939	32	2,918
Art Museum	1	26				
Center for Information Technology Policy					1	60
Center for Study of Human Values					1	15
Center for the Study of Religion	1	329			2	27
Center for Teaching and Learning					1	27
Center for Theoretical Science	1	75			1	3
Dean of the College						
Graduate School	1	38				
Lewis-Siegler Institute	14	735	1	132	20	1,857
Library						
Princeton Environmental Institute	5	256	3	2,807		
Princeton Neuroscience Institute (inc CSBMB)	2	47			6	929
Princeton Inst for Computat'l Sci & Engin (PICSc						
TOTAL, MAIN CAMPUS	185	12,102	99	14,801	281	21,940
Plasma Physics Laboratory			5	126	6	588
GRAND TOTAL	185	12,102	104	14,927	287	22,529

NOTES:

- Figures are rounded out to nearest dollar
- Projects less than \$1,000 not counted
- Figures in () represent negative quantities, usually the result of adjustments to closed accounts.
- Other Govt includes CIA, Corp for Nat'l & Comm Serv, DOI, FAA, FHA, HUD, Nat Archives Records Admin., USDA, & USIP

SECTION A.II
TABLE 8-2-- Section 1

MASTER SUMMARY OF SPONSORED RESEARCH - BY PRIME SPONSOR (Expenditures - \$ in Thousands)
BY DEPARTMENT AND PRIME SPONSOR (July 1, 2010 - June 30, 2011)

DEPARTMENT / PROGRAM	No. of Projects	GRAND TOTAL EXPENDITURES	NIH		NSF		DOE		AIR FORCE	
NATURAL SCIENCES	616	79,730	119	22,620	200	22,544	44	8,125	17	6,108
Applied & Computational Math	31	4,268	1	276	6	742	3	465	8	1,882
Astrophysical Sciences	68	4,492			18	1,695	7	749		
Atmospheric & Oceanic Sciences	26	5,962			9	491	3	296		
Chemistry	72	9,020	14	1,545	13	1,348	9	1,359	6	2,266
Ecology & Evolutionary Biology	38	3,694	8	1,279	17	1,216				
Geosciences	64	4,462			42	2,555	7	646	1	159
Mathematics	52	2,912			46	2,598				
Molecular Biology	159	23,193	89	18,793	5	375	1	209		
Physics	79	19,920	1	38	36	10,914	14	4,400	2	1,801
Psychology	27	1,808	6	690	8	610				
ENGINEERING & APPLIED SCIENCES	437	68,494	12	4,512	169	23,837	33	8,389	33	9,460
Chemical & Biological Engineering	60	8,071	5	885	18	1,395	8	1,159	2	2,077
Civil & Environ. Engineering	61	4,446			20	1,116	5	913		
Computer Science	66	8,358			48	6,981			3	444
Electrical Engineering	88	12,405	4	380	32	2,480	6	1,211	8	921
Mechanical & Aerospace Engineering	62	8,374	1	2	9	415	3	150	17	4,624
Oper. Res. & Financial Engineering	23	2,542	1	264	13	1,295	2	409	1	101
PRISM	77	24,297	1	2,981	29	10,155	9	4,547	2	1,293
HUMANITIES & SOCIAL SCIENCES	149	15,572	18	5,322	30	1,265	0	0	1	1,988
Anthropology	1	32			1	32				
Architecture School	3	13			1	1				
Art & Archaeology	2	15								
Comparative Literature	1	345								
East Asian Studies	2	47								
East Asian Studies Program	1	37								
Economics	15	658			12	620				
English	1	6								
History	6	257	1	80	1	2				
Jefferson Papers	2	695								
Near Eastern Studies	3	150								
Near Eastern Studies Program	2	268								
Philosophy	4	250								
Politics	10	365			3	50				
Princeton Inst. for Int'l. & Reg'l Studies (PIIRS)	2	202								
Religion	1	536								
Sociology	11	438			5	167				
Program in Theater	1	8								
Woodrow Wilson School	47	5,179	1	97	3	276			1	1,988
Population Research (WWS)	33	5,954	16	5,145	4	117				
Survey Research Center (WWS)	1	117								
CENTERS, INSTITUTES & NON-DEPT'L	131	29,144	59	16,919	14	1,143	3	460	2	222
Art Museum	1	26								
Center for Information Technology Policy	2	104			1	44				
Center for Study of Human Values	1	15								
Center for the Study of Religion	3	356								
Center for Teaching and Learning	1	27								
Center for Theoretical Science	2	78								
Graduate School	1	38								
Dean of the College	1	161								
Lewis-Siegler Institute	72	15,853	44	13,246	4	698	2	334	1	213
Library	2	78								
Princeton Environmental Institute	17	7,670			3	124	1	127	1	9
Princeton Neuroscience Institute (inc CSBMB)	25	4,728	15	3,672	3	266				
Princeton Inst for Computat'l Sci & Engin (PICSc	3	11			3	11				
TOTAL, MAIN CAMPUS	1333	192,940	208	49,374	413	48,789	80	16,975	53	17,779
Plasma Physics Laboratory	12	87,840			1	15	2	87,130		
GRAND TOTAL	1345	280,780	208	49,374	414	48,804	82	104,105	53	17,779

NOTES:

- Figures are rounded out to nearest dollar
- Projects less than \$1,000 not counted
- Figures in () represent negative quantities, usually the result of adjustments to closed accounts.
- Other Govt inc CIA, Corp for Nat'l & Comm Serv, DHS, DOI, DOL, FAA, FHA, HUD, NARA, State Dept, USAID, USIP, & USDA

SECTION A.II
TABLE 8-2-- Section 2

MASTER SUMMARY OF SPONSORED RESEARCH - BY PRIME SPONSOR (Expenditures - \$ in Thousands)
BY DEPARTMENT AND PRIME SPONSOR (July 1, 2010 - June 30, 2011)

DEPARTMENT / PROGRAM	NAVY		NASA		ARMY		STATE OF NJ		DOC		DARPA	
NATURAL SCIENCES	14	1,449	51	3,610	14	1,455	17	926	8	4,318	3	158
Applied & Computational Math	6	480			3	151					2	12
Astrophysical Sciences			35	1,786					1	5		
Atmospheric & Oceanic Sciences	1	108	4	300					5	4,233		
Chemistry	3	209			3	366			1	38		
Ecology & Evolutionary Biology												
Geosciences			6	750					1	42		
Mathematics	1	184										
Molecular Biology					6	627	17	926				
Physics	3	468	6	774	2	312					1	145
Psychology												
ENGINEERING & APPLIED SCIENCES	22	2,441	34	2,720	17	3,369	3	122	9	314	9	2,007
Chemical & Biological Engineering	2	277			2	709	1	31	1	31		
Civil & Environ. Engineering			16	1,576			1	20	6	271		
Computer Science	3	264									2	117
Electrical Engineering	9	397	1	25	3	711			1	4	1	38
Mechanical & Aerospace Engineering	4	944	15	1,090	2	233			1	8	1	138
Oper. Res. & Financial Engineering			1	28								
PRISM	4	559	1	1	10	1,716	1	72			5	1,715
HUMANITIES & SOCIAL SCIENCES	0	0	1	26	0	0	0	0	0	0	0	0
Anthropology												
Architecture School												
Art & Archaeology												
Comparative Literature												
East Asian Studies												
East Asian Studies Program												
Economics												
English												
History												
Jefferson Papers												
Near Eastern Studies												
Near Eastern Studies Program												
Philosophy												
Politics												
Princeton Inst. for Int'l. & Reg'l Studies (PIIRS)												
Religion												
Sociology												
Program in Theater												
Woodrow Wilson School			1	26								
Population Research (WWS)												
Survey Research Center (WWS)												
CENTERS, INSTITUTES & NON-DEPT'L	1	439	0	0	0	0	1	140	2	627	1	3,631
Art Museum												
Center for Information Technology Policy												
Center for Study of Human Values												
Center for the Study of Religion												
Center for Teaching and Learning												
Center for Theoretical Science												
Graduate School												
Dean of the College												
Lewis-Siegler Institute												
Library												
Princeton Environmental Institute									2	627	1	3,631
Princeton Neuroscience Institute (inc CSBMB)	1	439					1	140				
Princeton Inst for Computat'l Sci & Engin (PICSc												
TOTAL, MAIN CAMPUS	37	4,329	86	6,356	31	4,824	21	1,188	19	5,260	13	5,795
Plasma Physics Laboratory												
GRAND TOTAL	37	4,329	86	6,356	31	4,824	21	1,188	19	5,260	13	5,795

NOTES:

- Figures are rounded out to nearest dollar
- Projects less than \$1,000 not counted
- Figures in () represent negative quantities, usually the result of adjustments to closed accounts.
- Other Govt inc CIA, Corp for Nat'l & Comm Serv, DHS, DOI, DOL, FAA, FHA, HUD, NARA, State Dept, USAID, USIP, & USDA

SECTION A.II
TABLE 8-2-- Section 3

MASTER SUMMARY OF SPONSORED RESEARCH - BY PRIME SPONSOR (Expenditures - \$ in Thousands)
BY DEPARTMENT AND PRIME SPONSOR (July 1, 2010 - June 30, 2011)

DEPARTMENT / PROGRAM	DTRA/ NSA		NEH		ED		EPA		OTHER GOVT		GOVERNMENT	
NATURAL SCIENCES	1	17	0	0	0	0	1	40	8	1,544	497	72,914
Applied & Computational Math									1	250	30	4,258
Astrophysical Sciences											61	4,235
Atmospheric & Oceanic Sciences									3	532	25	5,960
Chemistry							1	40	1	678	51	7,848
Ecology & Evolutionary Biology									2	70	27	2,564
Geosciences									1	14	58	4,167
Mathematics											47	2,781
Molecular Biology											118	20,930
Physics											65	18,853
Psychology	1	17									15	1,317
ENGINEERING & APPLIED SCIENCES	3	399	0	0	0	0	2	407	7	420	353	58,398
Chemical & Biological Engineering	1	233					1	135			41	6,933
Civil & Environ. Engineering							1	272	3	(23)	52	4,145
Computer Science											56	7,806
Electrical Engineering	1	149									66	6,315
Mechanical & Aerospace Engineering									2	267	55	7,870
Oper. Res. & Financial Engineering	1	17							1	50	20	2,165
PRISM									1	125	63	23,163
HUMANITIES & SOCIAL SCIENCES	0	0	2	184	2	268	0	0	7	343	61	9,396
Anthropology											1	32
Architecture School											1	1
Art & Archaeology											0	0
Comparative Literature											0	0
East Asian Studies											0	0
East Asian Studies Program											0	0
Economics											12	620
English											0	0
History											2	82
Jefferson Papers									1	174	1	174
Near Eastern Studies											0	0
Near Eastern Studies Program					2	268					2	268
Philosophy			2	184							2	184
Politics									1	50	4	101
Princeton Inst. for Int'l. & Reg'l Studies (PIIRS)											0	0
Religion											0	0
Sociology									2	9	7	176
Program in Theater											0	0
Woodrow Wilson School									3	109	9	2,496
Population Research (WWS)											20	5,263
Survey Research Center (WWS)											0	0
CENTERS, INSTITUTES & NON-DEPT'L	0	0	1	18	0	0	0	0	4	319	88	23,918
Art Museum											0	0
Center for Information Technology Policy											1	44
Center for Study of Human Values											0	0
Center for the Study of Religion											0	0
Center for Teaching and Learning											0	0
Center for Theoretical Science											0	0
Graduate School											0	0
Dean of the College									1	161	1	161
Lewis-Siegler Institute											51	14,490
Library			1	18					1	60	2	78
Princeton Environmental Institute									2	98	10	4,616
Princeton Neuroscience Institute (inc CSBMB)											20	4,518
Princeton Inst for Computat'l Sci & Engin (PICSc											3	11
TOTAL, MAIN CAMPUS	4	416	3	202	2	268	3	447	26	2,625	999	164,626
Plasma Physics Laboratory											3	87,146
GRAND TOTAL	4	416	3	202	2	268	3	447	26	2,625	1002	251,771

NOTES:

- Figures are rounded out to nearest dollar
- Projects less than \$1,000 not counted
- Figures in () represent negative quantities, usually the result of adjustments to closed accounts.
- Other Govt inc CIA, Corp for Nat'l & Comm Serv, DHS, DOI, DOL, FAA, FHA, HUD, NARA, State Dept, USAID, USIP, & USDA

SECTION A.II
TABLE 8-2-- Section 4

MASTER SUMMARY OF SPONSORED RESEARCH - BY PRIME SPONSOR (Expenditures - \$ in Thousands)
BY DEPARTMENT AND PRIME SPONSOR (July 1, 2010 - June 30, 2011)

DEPARTMENT / PROGRAM	FOUNDATIONS		INDUSTRY		PRIVATE/ OTHER	
NATURAL SCIENCES	58	2,896	22	1,661	39	2,258
Applied & Computational Math	1	10				
Astrophysical Sciences	3	20			4	237
Atmospheric & Oceanic Sciences					1	2
Chemistry	7	271	12	780	2	121
Ecology & Evolutionary Biology	6	377	2	85	3	667
Geosciences	2	18	1	169	3	107
Mathematics	4	129			1	1
Molecular Biology	18	788	6	556	17	919
Physics	10	1,015		(0)	4	51
Psychology	7	267	1	71	4	154
ENGINEERING & APPLIED SCIENCES	27	1,761	38	7,638	19	697
Chemical & Biological Engineering	9	518	7	426	3	194
Civil & Environ. Engineering	3	166	2	17	4	118
Computer Science	5	457	4	55	1	40
Electrical Engineering	4	93	13	5,846	5	151
Mechanical & Aerospace Engineering	1	48	4	436	2	20
Oper. Res. & Financial Engineering	1	25	2	352		
PRISM	4	454	6	505	4	174
HUMANITIES & SOCIAL SCIENCES	74	5,925	1	1	13	251
Anthropology						
Architecture School	1	2			1	10
Art & Archaeology	2	15				
Comparative Literature	1	345				
East Asian Studies	1	44			1	3
East Asian Studies Program	1	37				
Economics	3	38				
English	1	6				
History	3	165			1	10
Jefferson Papers	1	521				
Near Eastern Studies	1	98			2	52
Near Eastern Studies Program						
Philosophy	2	66				
Politics	5	219			1	45
Princeton Inst. for Int'l. & Reg'l Studies (PIIRS)	2	202				
Religion	1	536				
Sociology	4	262				
Program in Theater	1	8				
Woodrow Wilson School	34	2,602	1	1	3	80
Population Research (WWS)	9	642			4	50
Survey Research Center (WWS)	1	117				
CENTERS, INSTITUTES & NON-DEPT'L	25	1,506	3	2,930	15	790
Art Museum	1	26				
Center for Information Technology Policy					1	60
Center for Study of Human Values					1	15
Center for the Study of Religion	1	329			2	27
Center for Teaching and Learning					1	27
Center for Theoretical Science	1	75			1	3
Graduate School	1	38				
Dean of the College						
Lewis-Siegler Institute	14	735	1	132	6	495
Library						
Princeton Environmental Institute	5	256	2	2,798		
Princeton Neuroscience Institute (inc CSBMB)	2	47			3	164
Princeton Inst for Computat'l Sci & Engin (PICSc						
TOTAL, MAIN CAMPUS	184	12,088	64	12,230	86	3,996
Plasma Physics Laboratory			3	106	6	588
GRAND TOTAL	184	12,088	67	12,336	92	4,584

NOTES:

- Figures are rounded out to nearest dollar
- Projects less than \$1,000 not counted
- Figures in () represent negative quantities, usually the result of adjustments to closed accounts.
- Other Govt inc CIA, Corp for Nat'l & Comm Serv, DHS, DOI, DOL, FAA, FHA, HUD, NARA, State Dept, USAID, USIP, & USDA

SECTION A.III

This Section lists sponsored projects by department/program which were active during the period of July 1, 2010 to June 30, 2011. Projects are listed in the order that they were awarded in ORPA (most recent first) and show the Parent/Child relationships of an Award.

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SECTION A.III (cont'd)

<u>Alphabetical List of Departments and Programs (cont.)</u>	<u>Page</u>
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ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Borneman, John W	1076042	Grant	Incest, Pedosexuality, and the Sexual Abuse of Children in Germany: A Legal-Ethnographic Study of Sexual Self-Determination, Punishment, and the....	National Science Foundation	09/15/2009	08/31/2012	57,374

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Applied & Computational Mathematics

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Carter, Emily A Libisch, Florian M	1094009	Grant	Dr. Florian Libisch (Exchange Visitor Research Program)	Max Kade Foundation, Inc.	04/21/2011	04/20/2012	49,000
E, Weinan	1096119	Grant	Stochastic Models of Polymer Systems	Army Research Office	03/15/2011	03/14/2014	330,000
Carter, Emily A	1096117	Grant	Next Generation Orbital-Free Density Functional Theory: Physics, Algorithms, and Applications	Office of Naval Research	10/01/2010	09/30/2013	1,350,000
Daubechies, Ingrid C Tromp, Jeroen	1096115	Grant	CMG RESEARCH: Combining Adjoint Tomography and Sparse Imaging Methods in Seismology	National Science Foundation	09/15/2010	08/31/2013	480,000
Carter, Emily A	1096114	Grant	Designing New Materials for Converting Solar Energy to Fuels via Quantum Mechanics	Air Force Office of Scientific Research	05/01/2010	04/30/2014	793,708
Seymour, Paul D	1096113	Grant	Immersion and Structural Graph Theory	Office of Naval Research	07/01/2010	09/30/2013	738,645
Calderbank, Robert	1096111	Grant	Sensor Topology and Minimalist Planning (SToMP)	University of Illinois at Urbana-Champaign	10/05/2009	03/20/2012	175,000
E, Weinan	1096110	Grant	TMS: Defect Modeling beyond Density Functional Theory	Rensselaer Polytechnic Institute	09/01/2009	08/31/2012	300,000
Carter, Emily A	1096106	Grant	Optimizing New Materials for Solar Energy Conversion via Quantum Mechanics	DOE - Washington	09/01/2009	02/28/2012	531,000
Carter, Emily A Haataja, Mikko P	1096105	Grant	Science Based Nano-Structure Design and Synthesis of Heterogeneous Functional Materials for Energy Systems	University of South Carolina	08/01/2009	07/31/2012	639,655
Calderbank, Robert Chiang, Mung Poor, Harold V Rexford, Jennifer L	1096104	Grant	Information Dynamics as Foundation for Network Management	Air Force Office of Scientific Research	09/01/2009	08/31/2014	6,246,650
Chiang, Mung	1096107						280,000
Poor, Harold V	1096108						280,000
Rexford, Jennifer L	1096109						280,000
Holmes, Philip J	1096103	Grant	Adaptive Data Fusion for Detection and Localization of Weak Distributed Patterns in Networked Systems	Air Force Office of Scientific Research	09/01/2009	08/31/2012	375,000
E, Weinan	1096102	Grant	Efficient Algorithms for Electronic Structure Analysis	National Science Foundation	09/01/2009	08/31/2012	400,000
Daubechies, Ingrid C Calderbank, Robert Singer, Amit	1096101	Grant	Building Mathematical Tools to Find Needles in Haystacks	Air Force Office of Scientific Research	09/01/2009	08/31/2012	900,000
Singer, Amit	1096100	Grant	Improved Algorithms for Macromolecular Structure Determination by cryo-EM and NMR	National Institutes of Health	08/01/2009	06/30/2014	1,462,320
Daubechies, Ingrid C Calderbank, Robert Singer, Amit	1096099	Grant	ARRA: New Initiative in Computational Mathematics at Princeton	National Science Foundation	08/01/2009	07/31/2012	980,043
Seymour, Paul D	1096098	Grant	ARRA: Tournament Immersion and Rao's Conjecture	National Science Foundation	08/01/2009	07/31/2012	220,000

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Applied & Computational Mathematics (2)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Carter, Emily A	1096097	Grant	ARRA: Linear Scaling Electronic Structure Methods for Molecules and Materials	National Science Foundation	09/01/2009	08/31/2013	600,000
Carter, Emily A	1096092	Grant	Mechanical Properties of Aluminum Alloys from Orbital-Free Density Functional Theory	Office of Naval Research	12/01/2008	05/31/2012	300,000
Holmes, Philip J	1096090	Contract	Mathematical Analysis of the Empirical Mode Decomposition	Federal Highway Administration (DOT/FHA)	09/15/2008	09/30/2011	750,000
E, Weinan	1096089	Grant	Solving Boltzmann and Fokker-Planck Equations Using Sparse Representation	Air Force Office of Scientific Research	08/15/2008	11/30/2010	248,576
Calderbank, Robert Daubechies, Ingrid C	1096088	Grant	Reed-Muller Sampling Matrices, Fast Reconstruction, and Null Space Properties in Compressive Sensing	Office of Naval Research	07/07/2008	06/30/2012	938,000
E, Weinan	1096086	Grant	Multi-Scale and Multi-Physics Modeling	Office of Naval Research	11/01/2006	09/30/2012	543,690
E, Weinan	1096112						185,000
E, Weinan	1096084	Grant	Structure and Dynamics of Complex Networks	Army Research Office	10/01/2007	09/30/2011	150,000
E, Weinan	1096093						150,000
E, Weinan	1096083	Grant	Atomistic and Continuum Models of Solids	National Science Foundation	09/15/2007	06/30/2011	170,000
Calderbank, Robert	1096082	Grant	Heisenberg-Weyl Groups, Sequences, and Codes	National Science Foundation	09/01/2007	08/31/2010	180,000
Carter, Emily A	1096081	Grant	First Principles Predictions of Gun Tube Erosion Chemistry and Mechanical Response of Ceramic Armor	Army Research Office	04/01/2007	03/31/2011	354,993
Seymour, Paul D	1096079	Grant	Structural and Extremal Graph Theory	Office of Naval Research	10/26/2006	09/30/2010	307,198
Seymour, Paul D	1096091						102,260
Carter, Emily A	1096078	Grant	A Predictive Multiscale Model of Wear	Army Research Office	07/19/2006	07/18/2010	298,944
Calderbank, Robert	1096074	Contract	Adaptive Waveform Design for Full Spectral Dominance	University of Illinois at Chicago	07/01/2005	12/31/2010	558,184
Daubechies, Ingrid C Dahlen, Francis A Nolet, Guust	1096068	Grant	CMG RESEARCH: When Sparse Meets Dense: New Mathematical Approximations Applied To Seismic Tomography	National Science Foundation	09/15/2005	06/30/2011	764,753
Dahlen, Francis A Daubechies, Ingrid C Nolet, Guust	1096069						126,522
Nolet, Guust Dahlen, Francis A Daubechies, Ingrid C	1096070						142,880

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Architecture

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Boyer, M. Christine Knoblauch, Joy R	1106001	Grant	Doctoral Dissertation Research: Going Soft: Reforming the Institutional Domestic Environment through the Human Sciences (1963-1974)	National Science Foundation	01/01/2011	12/31/2011	3,024
Nordenson, Guy J	1104045	Grant	American Pavilion in Venice at the Venice Biennale	High Museum of Art	07/01/2010	06/30/2011	10,000
Colomina, Beatriz Buckley, Craig J Grau Magana, Urtzi Kallipoliti, Lydia	1104044	Grant	Clip/Stamp/Fold: The Radical Architecture of Little Magazines 196x-197x	Graham Fdn/Advanced Studies in Fine Arts	01/01/2008	12/31/2010	10,000

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Art and Archaeology

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Hourihane, Colum P	1154014	Grant	Index of Christian Art Digitization of Medieval Manuscripts from the NYPL James Marrow Archive	Samuel H. Kress Foundation	11/05/2010	11/15/2012	20,000
Hourihane, Colum P	1154012	Grant	Digitization, Cataloguing and Internet Access to the Medieval Manuscripts in the Pierpont Morgan Library	The Sherman Fairchild Foundation, Inc.	07/01/2006	06/30/2011	371,000

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Sender, Rebecca E	3104008	Grant	Catalogue Research on Italian Drawings	The Getty Research Museum	09/27/2007	07/27/2012	91,293
Sender, Rebecca E	3106071	Grant	Implementation Grants for Museums and Organizations: "Gifts from the Ancestors: Ancient Ivories of the Bering Strait"	National Endowment for the Humanities	10/01/2006	09/30/2010	230,000

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Astrophysical Sciences

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Strauss, Michael A	1206402	Grant	Summer Undergraduate Fellowship - Andrew Tracer	National Institute of Standards and Technology	05/01/2011	09/30/2011	5,000
Stone, James M	1206401	Grant	Radiation/MHD Simulations of Accretion	The Johns Hopkins University	02/18/2011	02/17/2014	119,900
Spitkovsky, Anatoly	1206400	Grant	Collisionless Shocks in Laboratory High Energy Density Plasmas	DOE - National Nuclear Security Administration	02/02/2011	02/01/2013	295,883
Jenkins, Edward B	1206398	Grant	Constraining Models of Deuterium Depletion and Galactic Chemical Evolution with Improved Measurements of D/H	Space Telescope Science Institute	12/01/2010	11/30/2013	61,300
Burrows, Adam S	1206396	Grant	Mapping Brown Dwarfs: The Evolution of Cloud Properties Through the L-T Transition"	Space Telescope Science Institute	11/01/2010	10/31/2013	10,000
Burrows, Adam S	1206395	Grant	The Atmospheric Structure of Giant Hot Exoplanets	Space Telescope Science Institute	11/01/2010	10/31/2013	158,000
Lang, Dustin A	1206394	Grant	Panchromatic Hubble Andromeda Treasury (PHAT)	Space Telescope Science Institute	11/01/2010	10/31/2013	28,800
Nordhaus, Jason T	1206393	Grant	Binary-induced Jet Precession in Post-AGB Stars and Planetary Nebulae	Space Telescope Science Institute	10/01/2010	09/30/2013	27,000
Burrows, Adam S	1206391	Grant	Balancing the Budget: Simultaneous Near- and Mid-IR Phase Curves of WASP-12b: The Atmospheric Structure of Giant Hot Exoplanets	Cal Tech - Jet Propulsion Lab (JPL)	09/15/2010	09/30/2013	15,000
Spitkovsky, Anatoly	1206389	Grant	Light Curves and Spectra from Strong Currents in Pulsar Magnetospheres	NASA Goddard Space Flight Center	08/14/2010	08/13/2012	90,000
Zaldarriaga, Matias	1204180	Grant	Packard Fellowship: Dr. Matias Zaldarriaga	The David and Lucile Packard Foundation	07/01/2010	06/30/2011	64,761
Gunn, James E	1204178	Grant	ARC Agreement SSP332, SDSS3 APOGEE Support	Astrophysical Research Consortium (ARC)	05/01/2010	12/31/2010	9,267
Draine, Bruce T	1206388	Grant	Optical Properties of Interstellar Dust	National Science Foundation	08/01/2010	07/31/2013	314,081
Rafikov, Roman R	1206385	Grant	Solving Problems Creatively and Efficiently (Tegan Brennan, SURF)	National Institute of Standards and Technology	05/01/2010	09/30/2010	4,500
Goodman, Jeremy J	1206384	Grant	Predicting Signatures of Accretion and Turbulence in Protoplanetary Disks	NASA Headquarters - Washington	09/01/2010	08/31/2013	362,000
Stone, James M	1206383	Grant	AB-Initio Calculation of Early Afetrflow Emission in GRBS	NASA Headquarters - Washington	04/14/2010	04/13/2012	38,000
Spitkovsky, Anatoly	1206383	Grant	AB-Initio Calculation of Early Afetrflow Emission in GRBS	NASA Headquarters - Washington	04/14/2010	04/13/2012	38,000
Burrows, Adam S	1206382	Grant	PetaCactus: Unraveling the Supernova -- Gamma-Ray Burst Mystery	Louisiana State University (LSU)	09/01/2009	08/31/2014	525,692
Cen, Renyue	1206381	Grant	Better Understanding X-Ray Absorbing Warm-Hot Intergalactic Medium	Smithsonian Astrophysical Observatory	01/01/2010	02/29/2012	100,000
Jenkins, Edward B	1206380	Grant	An Inventory of Partially Ionized Interstellar Gas within Several Hundred Parsecs of the Sun	NASA Headquarters - Washington	12/15/2009	12/14/2011	346,898
Bowen, David V	1206379	Grant	Metal Baryons Around Galaxies	NASA Headquarters - Washington	12/08/2009	12/07/2012	518,239

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Astrophysical Sciences (2)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Jenkins, Edward B	1206378	Grant	Probing Warm-Hot Intergalactic Gas at $0.5 < z < 1.3$ with a Blind Survey for O VI, Ne VIII, Mg X, and Si XII Absorption Systems	Space Telescope Science Institute	12/01/2009	11/30/2011	187,024
Kasdin, N. Jeremy	1206377	Grant	Exoplanetary Science with High Contrast Imaging	National Science Foundation	10/01/2009	09/30/2011	13,500
Strauss, Michael A	1206376	Grant	NSF Fellowship - Cullen Blake	National Science Foundation	09/01/2009	08/31/2011	14,800
Spitkovsky, Anatoly	1206375	Grant	Gamma Ray Emission from Plasma-Filled Pulsar Magnetospheres	NASA Goddard Space Flight Center	08/14/2009	08/13/2011	90,000
Spitkovsky, Anatoly Metzger, Brian D	1206373	Grant	Theoretical Models of Gamma-Ray Burst Central Engines	Smithsonian Astrophysical Observatory	09/01/2009	08/31/2012	299,031
Stone, James M Rafikov, Roman R	1206372	Grant	ARRA: Magnetohydrodynamics of Protoplanetary Disks	National Science Foundation	09/01/2009	08/31/2012	633,320
Burrows, Adam S	1206368	Grant	Computational Nuclear Astrophysics	University of Notre Dame	09/01/2009	08/31/2011	219,563
Stone, James M	1206367	Grant	NESSF Fellowship: Magnetorotational Instability and Planetesimal Formation in Protoplanetary Disks	NASA Goddard Space Flight Center	09/01/2009	08/31/2011	60,000
Strauss, Michael A Lupton, Robert H Spergel, David N	1206366	Grant	ARRA: Analyzing Deep Imaging Data: State of the Art Algorithms, Weak Lensing and Galaxy Formation	National Science Foundation	08/15/2009	07/31/2012	433,930
Cen, Renyue	1206370	Grant	AB Initio Dwarf Galaxy Formation Simulations	Space Telescope Science Institute	09/01/2009	08/31/2011	199,876
Spergel, David N	1206371	Grant	Simulating Reionization: a Semi-Numeric Toolkit for Interpreting Observations	Space Telescope Science Institute	09/01/2009	08/31/2011	186,580
Strauss, Michael A	1206369	Grant	Probing Star Formation and Galactic Assembly with 300,000 Galaxies at $z < 1$	Space Telescope Science Institute	09/01/2009	08/31/2011	186,581
Gunn, James E	1206365	Grant	Stellar Population Synthesis Modeling A Critical Evaluation	National Science Foundation	08/01/2009	07/31/2012	352,200
Gunn, James E	1206387						10,050
Fisch, Nathaniel J	1206363	Grant	Alpha Channeling in Open-System Magnetic Devices	DOE - Germantown	04/01/2009	03/31/2012	180,000
Strauss, Michael A	1206362	Grant	Doubling the Sample of Bright Lensed LBGs Observed by Spitzer	Cal Tech - Jet Propulsion Lab (JPL)	06/11/2009	09/30/2011	55,114
Burrows, Adam S	1206359	Grant	Dynamic Atmosphere of the Eccentric and Massive Planet XO-3b	Cal Tech - Jet Propulsion Lab (JPL)	05/20/2009	09/30/2012	30,000
Draine, Bruce T	1206354	Grant	Key Insights on Nearby Galaxies: A Far-Infrared Survey with Herschel (KINGFISH)	Cal Tech - Jet Propulsion Lab (JPL)	04/14/2009	09/30/2012	220,628
Gunn, James E	1204175	Grant	ARC Agreement SSP312, SDSS3/SEGUE2	Astrophysical Research Consortium (ARC)	10/01/2008	12/31/2010	145,458
Gunn, James E	1204174	Grant	ARC Agreement SSP311, SDSS3/BOSS	Astrophysical Research Consortium (ARC)	10/01/2008	12/31/2010	376,301
Burrows, Adam S	1206353	Grant	Dynamic Studies of Exoplanet Atmospheres: From Global Properties to Local Physics	Cal Tech - Jet Propulsion Lab (JPL)	03/19/2009	09/30/2012	80,000
Cool, Richard J	1206352	Grant	MIPS AGN and Galaxy Evolution Survey	Cal Tech - Jet Propulsion Lab (JPL)	02/05/2009	09/30/2012	6,000

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Astrophysical Sciences (3)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Goodman, Jeremy J	1206351	Grant	Physics Frontiers Center, "Center for Magnetic Self-Organization in Laboratory and Astrophysical Plasmas"	University of Wisconsin	09/01/2008	08/31/2011	682,000
Turner, Edwin L	1206350	Grant	Chandra 10: An X-Ray Microlensing Test of the Au-Scale Central Structure of the Quadruple Quasar 2237-0305	Smithsonian Astrophysical Observatory	01/12/2009	01/11/2011	25,999
Kriek, Mariska T	1206349	Grant	Extreme Makeovers: Tracing the Transformation of Massive Galaxies at $z \sim 2.5$	Space Telescope Science Institute	12/01/2008	09/30/2010	7,649
Jenkins, Edward B	1206347	Grant	Toward a Better Understanding of ISM Turbulence through the Study of Velocity Profiles over a Large Dynamic Range	Space Telescope Science Institute	11/01/2008	10/31/2011	118,889
Spergel, David N	1204173	Grant	DUST-ISM -- Fellowship for Ardis Eliasdottir	University of Copenhagen	10/01/2008	10/17/2010	187,653
Strauss, Michael A	1206346	Grant	Probing Star Formation and Galactic Assembly with 300,000 Galaxies at $z < 1$	Space Telescope Science Institute	09/01/2008	08/31/2011	110,115
Spergel, David N	1206344	Grant	Simulating Reionization: a Semi-Numeric Toolkit for Interpreting Observations	Space Telescope Science Institute	09/01/2008	08/31/2011	108,895
Burrows, Adam S	1206343	Grant	Probing the Atmosphere of TrES-3, the Shortest Period Transiting Planet Within Spitzer's Reach	Cal Tech - Jet Propulsion Lab (JPL)	07/25/2008	09/30/2011	10,000
Burrows, Adam S	1206342	Grant	Theory of Extrasolar Giant Planets and Brown Dwarfs	NASA Headquarters - Washington	07/01/2008	07/15/2011	380,549
Draine, Bruce T	1206341	Subcontract	Dust in the Wind: Mapping the Nearest Galactic Superwind with the IRS on Spitzer	Cal Tech - Jet Propulsion Lab (JPL)	06/23/2008	09/30/2011	15,000
Spitkovsky, Anatoly	1206340	Grant	Study of Gamma Ray Emission from Pulsars Using Realistic Magnetospheric Geometry	NASA Goddard Space Flight Center	09/01/2008	08/31/2010	90,000
Spitkovsky, Anatoly	1206339	Grant	Particle Acceleration in Astrophysical Collisionless Shocks	National Science Foundation	07/15/2008	06/30/2012	354,000
Spitkovsky, Anatoly	1206397						9,550
Rafikov, Roman R	1204172	Grant	Rafikov Sloan Fellowship	Alfred P. Sloan Foundation	09/16/2008	09/15/2012	50,000
Burrows, Adam S	1206338	Cooperative Agreement	Computational Astrophysics Consortium: Supernovae, Gamma-Ray Bursts, and Nucleosynthesis	DOE - Germantown	03/15/2008	09/14/2011	676,000
Fisch, Nathaniel J	1206337	Grant	Fundamental Issues in the Interaction of Intense Lasers with Plasma	DOE- Albuquerque Operations Office	04/18/2008	04/17/2013	1,714,300
Rafikov, Roman R	1206336	Grant	Origin of Giant Planets and the Dynamics of Circumplanetary Disks	NASA Headquarters - Washington	02/05/2008	02/04/2012	391,000
Cen, Renyue	1206334	Grant	NRA/Research Opportunities in Space and Earth Sciences-2007: Formation and Evolution of Galaxies	NASA Headquarters - Washington	06/01/2008	05/31/2011	325,500
Ostriker, Jeremiah P							
Spergel, David N	1206331	Grant	The Cosmic Microwave Background as a Cosmological Probe	NASA Headquarters - Washington	02/01/2008	01/31/2012	362,200
Draine, Bruce T	1206327	Grant	Improved Models for Dust Opacities	Cal Tech - Jet Propulsion Lab (JPL)	01/23/2008	12/31/2010	152,020
Greene, Jenny E	1206322	Grant	AGNs with Intermediate-mass Black Holes: Testing the Black Hole-Bulge Paradigm, Part II	Space Telescope Science Institute	10/01/2007	09/30/2010	28,460

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Astrophysical Sciences (4)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Strauss, Michael A	1206320	Grant	Systematic Effects in Type-1a Supernovae Surveys from Host Galaxy Spectra	DOE - Germantown	09/01/2007	08/31/2011	280,800
Spitkovsky, Anatoly	1204170	Grant	Very High Mach Number and Relativistic Shocks: Fine Structure and Particle Dynamics	U.S.-Israel Binational Science Fdn.	10/01/2007	09/30/2012	54,500
Ostriker, Jeremiah P	1206318	Grant	Collaborative Research: Toward Petascale Simulations of Early Cosmic Evolution	National Science Foundation	09/01/2007	08/31/2011	16,116
Spergel, David N	1206317	Grant	Optical Dust Polarization Measurements in the Galactic Halo: A Tool for Detecting Primordial Gravity Waves	National Science Foundation	09/01/2007	08/31/2011	364,488
Spergel, David N	1206364						8,446
Spergel, David N	1206316	Grant	GALEX Survey of the Atacama Cosmology Telescope Strip	NASA Headquarters - Washington	09/01/2007	08/31/2010	126,993
Strauss, Michael A	1206315	Grant	The Clustering of High Redshift Quasars on Large and Small Scales	National Science Foundation	09/01/2007	08/31/2012	376,037
Strauss, Michael A	1206355						7,000
Strauss, Michael A	1206390						9,550
Turner, Edwin L	1206314	Grant	Europa in Eclipse: Tenuous Atmosphere, Electromagnetic Activity and Surface Luminescence	Space Telescope Science Institute	08/01/2007	07/31/2011	63,186
Strauss, Michael A	1206312	Grant	Toward an Understanding of the Progenitors of Type Ibc Supernovae	Space Telescope Science Institute	08/01/2007	07/31/2010	43,449
Strauss, Michael A	1206313						74,270
Goodman, Jeremy J	1206311	Grant	Tides and Atmospheres for Hot Jupiters	National Science Foundation	09/01/2007	08/31/2011	236,942
Stone, James M	1206310	Grant	"MRI: Acquisition of a High-Performance Computer Cluster for Astrophysics."	National Science Foundation	08/15/2007	07/31/2010	663,315
Draine, Bruce T							
Ostriker, Jeremiah P							
Spergel, David N							
Bowen, David V	1206309	Grant	The Origin of QSO Absorption Lines from QSOs	Space Telescope Science Institute	08/01/2007	07/31/2010	151,609
Spergel, David N	1206308	Grant	Statistical Techniques for the Analysis of High Resolution CMB Data	National Science Foundation	08/01/2007	07/31/2011	446,192
Spergel, David N	1206357						9,400
Spergel, David N	1206392						9,550
Knapp, Gillian R	1206306	Grant	Collaborative Research: Discovery and Analysis of Carbon-Enhanced Stars in SDSS-I and SDSS-II	National Science Foundation	07/01/2007	06/30/2012	43,241
Spitkovsky, Anatoly	1204166	Grant	Spitkovsky Sloan Research Fellowship	Alfred P. Sloan Foundation	09/16/2007	09/15/2011	45,000
Knapp, Gillian R	1206301	Grant	Cool Stellar and Substellar Companions to White Dwarfs: A Search for the Bottom of the Main Sequence	NASA Headquarters - Washington	02/22/2007	09/30/2010	73,376
Fisch, Nathaniel J	1206298	Grant	Compact Compression of High Intensity Laser Pulse	DOE- Albuquerque Operations Office	03/22/2007	03/21/2011	330,000
Suckewer, Szymon							

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Astrophysical Sciences (5)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Fisch, Nathaniel J Suckewer, Szymon	1206299	Grant	<i>Continued from Above</i>	DOE- Albuquerque Operations Office	03/22/2007	03/21/2011	420,000
Shapley, Alice E	1204164	Grant	Metals, Masses and Feedback at High Redshift	The David and Lucile Packard Foundation	10/15/2006	10/14/2011	504,239
Bowen, David V	1206294	Grant	MgII Absorption Line Systems: Galaxy Halos of the Metal-Enriched IGM?	Space Telescope Science Institute	09/01/2006	08/31/2010	138,453
Goodman, Jeremy J Ji, Hantao	1206285	Grant	Laboratory Study of Magnetorotational Instability and Hydrodynamic Stability at Large Reynolds Numbers in a Short Couette Flow	National Science Foundation	07/01/2006	06/30/2011	542,598
Cen, Renyue	1206282	Grant	Detailed Signatures of Cosmological Reionization	NASA Headquarters - Washington	05/01/2006	04/30/2011	471,824
Stone, James M	1206278	Grant	Validation of Numerical Algorithms in Astrophysical Radiation Magnetohydrodynamics codes with Z-pinch and Laser Experiments	DOE- Albuquerque Operations Office	04/15/2006	04/14/2011	479,610
Lupton, Robert H	1206276	Grant	Testbed Photometric Data Processor (TPDP)	National Optical Astronomy Observatory	09/01/2005	09/30/2011	999,800
Spergel, David N Page, Lyman A Staggs, Suzanne T	1206275	Grant	Southern Optical Astronomical Survey	National Science Foundation	10/01/2005	09/30/2011	2,230,762
Spergel, David N	1206280						119,238
Bowen, David V	1206261	Grant	Distribution of Baryons in the Universe	NASA Headquarters - Washington	02/15/2005	12/31/2011	767,600

Contributions Made to Other Units :

Mechanical and Aerospace Engineering

David N Spergel

Physics

David N Spergel

PPPL Contract

Robert J Goldston

Nathaniel J Fisch

Ronald C Davidson

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Atmospheric & Oceanic Sciences

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Sarmiento, Jorge L Medvigy, David M	3436207	Grant	Detection and Attribution of Rapid Large-scale Shifts in the Terrestrial Carbon Cycle	University of California at Los Angeles	01/01/2011	12/31/2013	287,789
Balaji, Venkatramani	3436206	Grant	G8 Initiative:ExArch:Climate analytics on distributed exascale data archives	National Science Foundation	03/01/2011	05/31/2014	312,967
Held, Isaac M	3434045	Contract	Willis Research Network Agreement	Willis Research Network	10/01/2010	09/30/2013	300,000
Vallis, Geoffrey K	3436205	Grant	The Mechanisms of Natural Variability and its Interaction with Anthropogenic Climate Change	DOE - Washington	09/01/2010	08/31/2013	529,968
Vallis, Geoffrey K	3436204	Grant	The Maintenance of Deep Circulation and Stratification in the Ocean	National Science Foundation	10/01/2010	09/30/2013	344,848
Sarmiento, Jorge L Kwon, Eun Young	3436203	Grant	Ocean Acidification -Category 1: Does the Strength of the Carbonate Pump Change with Ocean Stratification and Acidification and How?	National Science Foundation	11/01/2010	10/31/2013	493,190
Sarmiento, Jorge L Palter, Jaime B	3436202	Grant	Investigating the Evolution of Ocean Ventilation and its Impact on natural and Anthropogenic Carbon Uptake in a Warming	U.S. DOC - Natl Oceanic & Atmos Admin	05/01/2010	04/30/2013	305,779
Oey, Lie-Yauw	3436201	Grant	GOMEX 3-D Operational Ocean Forecast System Pilot Project	Portland State University	04/20/2010	08/12/2012	150,049
Sarmiento, Jorge L Wood, Eric F	3436197	Cooperative Agreement	CICS Shadow Award Under CICS Award NA17RJ2612	U.S. DOC - Natl Oceanic & Atmos Admin	07/01/2008	06/30/2013	0
Hedin, Lars O Pacala, Stephen W Shevliakova, Elena	3446112		Competitive Proposals				402,766
Wood, Eric F	1556120						307,000
Wood, Eric F	1556121						125,000
Sergienko, Olga V	3436195	Grant	CMG Enabling ice sheet sensitivity&stability analysis with a large-scale higher-order ice sheet model's adjoint to support sea level change assessment	National Science Foundation	09/15/2009	08/31/2012	68,968
Sarmiento, Jorge L	3436194	Grant	ARRA: Collaborative Research: Modified Circumpolar Deep Water Intrusions as an Iron Source to the Ross Sea Ecosystem	National Science Foundation	09/01/2009	08/31/2013	345,000
Sergienko, Olga V	3436192	Grant	ARRA: Model Investigation of Ice Stream/Subglacial Lake Systems	National Science Foundation	07/15/2009	06/30/2012	375,543
Rodgers, Keith B Key, Robert M Sarmiento, Jorge L	3436191	Grant	A new method for identifying anthropogenic changes in ocean biogeochemistry through the combined use of repeat hydrographic measurements & remote	NASA Headquarters - Washington	04/16/2009	04/15/2012	628,900
Legg, Sonya A	3436190	Grant	Numerical investigation of nonlinear internal wave generation and breaking in straits	Office of Naval Research	03/17/2009	12/31/2012	250,391
Oey, Lie-Yauw	3436189	Contract	Mid-Atlantic Ocean Model Calculations	U.S. Mineral Management Service	01/22/2009	01/31/2012	995,625
Oey, Lie-Yauw	3436188	Contract	Dynamics of the Loop Current in U.S. Waters	Science Applications Int'l. Corp.	10/03/2008	09/30/2013	500,000

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Atmospheric & Oceanic Sciences (2)

ACTIVE SPONSORED PROJECTS

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<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Key, Robert M	3436187	Grant	Collaborative Research: Collection and Analysis of Radiocarbon Samples on Repeat Hydrography Lines	National Science Foundation	01/01/2009	09/30/2014	148,521
Sarmiento, Jorge L Key, Robert M Oey, Lie-Yauw Rodgers, Keith B Vallis, Geoffrey K	3436178	Cooperative Agreement	Cooperative Institute for Climate Science	U.S. DOC - Natl Oceanic & Atmos Admin	07/01/2008	06/30/2013	0
Sarmiento, Jorge L	3436180						285,613
Sarmiento, Jorge L	3436181						14,004,653
Sarmiento, Jorge L	3436183						16,439
Key, Robert M	3436184						630,725
Sarmiento, Jorge L Rodgers, Keith B	3436185						233,194
Sarmiento, Jorge L	3436186						182,000
Oey, Lie-Yauw	3436193						56,000
Sarmiento, Jorge L	3446093		<i>Also see child P/Gs in PEI - starting with 3446093</i>				1,686,848
Key, Robert M	3436177	Grant	Carbon in the North Atlantic	U.S. DOC - Natl Oceanic & Atmos Admin	06/01/2008	05/31/2012	392,010
Oey, Lie-Yauw	3436176	Contract	Ultra-Deepwater Circulation Processes in the Gulf of Mexico	U.S. Mineral Management Service	02/13/2008	06/30/2012	749,860
Vallis, Geoffrey K	3436175	Grant	Mechanisms and Predictability of Interannual to Interdecadal Climate Variability	U.S. DOC - Natl Oceanic & Atmos Admin	08/01/2007	07/31/2011	385,222
Sarmiento, Jorge L Key, Robert M	3436174	Grant	A Climate Process Team on Southern Ocean Water Mass Transformation and the Carbon Cycle	U.S. DOC - Natl Oceanic & Atmos Admin	07/01/2007	06/30/2012	525,354
Oey, Lie-Yauw	3436173	Grant	Extension of Numerical Modeling of the Gulf of Mexico	U.S. Mineral Management Service	09/19/2007	08/31/2010	199,343
Sarmiento, Jorge L Key, Robert M	3436170	Grant	Stoichiometry of Oceanic Remineralization by Non-Linear Global Optimization on an Improved Data Set	National Science Foundation	09/01/2007	08/31/2011	434,560
Ramaswamy, Venkatachalam Li, Fuyu	3436169	Grant	Emission, Transport and Deposition of Mineral Dust in the Southern Ocean and Antarctica: An Integrated Approach Using GCM and Satellite Observations	NASA Headquarters - Washington	09/01/2007	08/31/2010	67,000
Sarmiento, Jorge L	3436167	Grant	Do Coupled Climate Models Correctly Simulate the Upward Branch of the Deep Ocean Global Conveyor	DOE - Chicago	08/15/2007	02/29/2012	921,436
Gnanadesikan, Anand	3436168	Grant	Ocean color, carbon and circulation: Studies with an Earth System Model	NASA Headquarters - Washington	05/15/2007	04/14/2012	416,766
Vallis, Geoffrey K	3436158	Grant	Tropical-extratropical Interactions in a Hierachy of Atmospheric Models	National Science Foundation	08/01/2006	07/31/2010	449,111

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Atmospheric & Oceanic Sciences (3)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Adcroft, Alistair J	3436156	Grant	Estimating the Circulation and Climate of the Ocean-ECCO II: High Resolution Global-Ocean and Sea-Ice Reanalysis	Massachusetts Institute of Technology	12/15/2005	12/14/2011	450,000
Philander, Samuel G	3436155	Grant	Estimating Earth's Climate by Assimilating Satellite Observations of the Ocean and Atmosphere with a Coupled Earth System Model	Cal Tech - Jet Propulsion Lab	01/23/2006	09/30/2010	187,677

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Center for Information Technology Policy

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Felten, Edward W	3324000	Grant	Removing Private Information from Public Documents	Public.Resource.Org	10/01/2010	09/30/2011	60,000
Felten, Edward W	3326001	Grant	Reconciling Post-Election Auditing with the Secret Ballot	National Science Foundation	09/01/2010	08/31/2012	170,000
Felten, Edward W	3326000	Grant	CT-ISG: Population Studies in Computer Security via DNS Monitoring	National Science Foundation	09/01/2008	08/31/2011	390,000

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Center for Study of Human Values

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Singer, Peter A	4404005	Grant	Conference - Open Hearts and Fair Minded Words	Institute of International Education	10/14/2010	10/16/2010	15,000

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Center for Study of Religion

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Wuthnow, Robert J	3254049	Grant	Faith and Religious Perspectives of Senior Business Executives	Laity Leadership Institute	05/10/2010	12/31/2011	55,000
Wuthnow, Robert J	3254048	Grant	Stories of Change: Narratives of Leadership during Congregational Turning Points	The Louisville Institute	06/01/2009	08/31/2010	33,148
Wuthnow, Robert J	3254046	Grant	Christian Thought and Practice	Lilly Endowment, Inc.	12/01/2007	12/31/2011	2,100,271
Wuthnow, Robert J	3254047						153,210

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Center for Teaching & Learning

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Porter, Carol A	6164001	Grant	Community Colleges Partnership Agreement	Various (Pri/Other)	07/01/2006	06/30/2012	149,100

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Center for Theoretical Science

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Steinhardt, Paul J	3114002	Grant	Simons Postdoctoral Fellowship	The Simons Foundation	07/01/2010	06/30/2014	539,813
Steinhardt, Paul J	3114003						60,000
Sondhi, Shivaji L	3114001	Contract	Princeton Center for Theoretical Physics (PCTP) Quantum Information Science Consortium	The MITRE Corporation	09/01/2008	08/31/2010	50,000

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Chemical and Biological Engineering

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7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Prud'homme, Robert K	1604233	Contract	Novartis Pharmaceutical Internship	Novartis Pharmaceuticals Corporation	05/01/2011	09/30/2011	29,400
Loo, Lynn	1606361	Grant	ARRA: NIST Fellowship - Jacob Tarver: Organic Solar Cells	University of Maryland	01/01/2011	12/31/2012	144,257
Prud'homme, Robert K	1606360	Grant	Multifunctional PEG Hydrogel Nano/Microparticles for Targeted Treatment of NSCLC	Rutgers University	01/01/2011	12/31/2011	107,683
Stone, Howard A Koel, Bruce E	1606359	Grant	Structure and Chemistry of Alloy and Oxide Films at Bimetallic Pt Surface	National Science Foundation	01/01/2011	08/31/2013	485,000
Sundaresan, Sankaran	1606358	Contract	ARRA: Carbon Capture Simulation Initiative, Particle and Device Scale Modeling	URS Energy and Construction Inc.	12/01/2010	09/30/2011	150,000
Loo, Lynn	1606356	Grant	Development of New Solution-Processable Electron Acceptors for Organic Photovoltaic Applications	Office of Naval Research	02/01/2011	01/31/2014	390,000
Priestley, Rodney D	1606355	Grant	Career: Formation of Stable Polymer Glasses	National Science Foundation	03/01/2011	02/29/2016	500,000
Aksay, Ilhan A	1606354	Contract	Fundamental Studies on Large Scale Synthesis of Carbon Nanocomposite Materials	Battelle - Pacific Northwest National Labs	11/15/2010	09/30/2011	150,000
Aksay, Ilhan A	1604232	Grant	Electrically Conducting Polymer-Graphene Nonocomposites	French American Cultural Exchange	07/01/2010	06/30/2013	106,800
Kevrekidis, Yannis G	1606352	Grant	Modeling and Simulation of High Dimensional stochastic Multiscale PDE Systems at the Exascale	DOE - Germantown	09/01/2010	08/31/2013	374,592
Loo, Lynn	1606350	Grant	Collaborative Research: High-Performance Crystalline Bulk Heterojunction Organic Solar Cells	National Science Foundation	09/01/2010	08/31/2013	399,997
Panagiotopoulos, Athanassios Z	1606349	Grant	Collaborative Research: Self-Assembly of Polymer Grafted Nanoparticles	National Science Foundation	09/01/2010	08/31/2013	274,257
Nelson, Celeste M	1604231	Grant	Tissue Morphodynamics	Alfred P. Sloan Foundation	09/15/2010	09/15/2012	50,000
Register, Richard A	1606347	Grant	Driving Structure Formation in Block Copolymers by	National Science Foundation	08/01/2010	07/31/2014	516,000
Link, A. James	1606346	Grant	CAREER: Probing the Limits of Affinity and Specificity in Apoptotic Protein Interactions	National Science Foundation	02/15/2010	01/31/2015	400,000
Sundaresan, Sankaran	1606345	Grant	Support for the 21st International Symposium on Chemical Reaction Engineering	National Science Foundation	06/01/2010	05/31/2011	25,000
Kevrekidis, Yannis G	1606344	Grant	EAGER/Collaborative Research: Accelerating innovation in agent-based simulations: Application to complex socio-behavioral phenomena.	National Science Foundation	02/01/2010	01/31/2011	30,000
Sundaresan, Sankaran	1604230	Contract	Filtered Two-Fluid Models for Reacting Gas-Parcel Flows	ExxonMobil Global Services Company	12/18/2009	12/31/2012	130,000
Nelson, Celeste M Boghaert, Eline E	1606341	Grant	Modeling Tumor Dynamics in Vitro and in Silico	NJ Commission on Cancer Research	12/01/2009	11/30/2011	50,000
Debenedetti, Pablo G	1604229	Contract	Computational Studies of Hydration, Maintenance and Repair of Biological Substrates	Unilever R&D, Port Sunlight	09/01/2009	08/31/2012	337,653
Floudas, Christodoulos A	1606338	Grant	EFRI-HyBi: Conversion of Biomass to Fuels using Molecular Sieve Catalysts and Millisecond Contract Time Reactors	University of Minnesota	09/01/2009	08/31/2013	530,000

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Chemical and Biological Engineering (2)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Nelson, Celeste M Gomez, Esther W	1604226	Grant	Effect of Matrix Compliance and Mechanical Tension on Fibrosis of the Breast	The Susan G. Komen Breast Cancer Fdn.	09/15/2009	09/14/2012	67,283
Debenedetti, Pablo G	1606333	Grant	Collaborative Research: Ordering Processes in Water, Aqueous Solutions, and Water-Biomolecule Systems	National Science Foundation	09/15/2009	08/31/2012	420,000
Aksay, Ilhan A Prevost, Jean-Herve Stone, Howard A	1606332	Grant	Innovative Design and Processing of Multi-Functional Adaptive Structural Materials	US Army RD&E Command	09/01/2009	08/31/2014	5,884,439
Prevost, Jean-Herve	1606337						232,000
Stone, Howard A	1606339						133,561
Floudas, Christodoulos A Garcia, Benjamin A Rabinowitz, Joshua D	1606331	Grant	ARRA: CDI-Type II: MS-Omics Hub for Cyber-enabled Acceleration of Mass Spectrometry-based Metabolomics and Proteomics	National Science Foundation	09/01/2009	08/31/2013	620,888
Rabinowitz, Joshua Floudas, Christodoulos A	1606335						347,112
Garcia, Benjamin A Floudas, Christodoulos A	1606336						335,234
Panagiotopoulos, Athanassios Z	1606330	Grant	Interactions, Phase Equilibria and Self-Assembly in Ionic Systems	DOE - Washington	09/01/2009	08/31/2012	361,594
Panagiotopoulos, Athanassios Z	1606351						50,731
Loo, Lynn	1606329	Grant	Request for Travel Support for Junior Faculty and Faculty Candidates to Attend the Accessing Facilities at National Centers, Laboratories, and.....	National Science Foundation	09/01/2009	08/31/2010	4,000
Kevrekidis, Yannis G Singer, Amit	1606327	Grant	Equation-Free and Variable-Free Modeling for Complex/Multiscale Systems: Coarse-grained Computation in Science and Engineering using	DOE - Germantown	09/01/2009	08/31/2012	1,511,635
Singer, Amit	1606334						60,813
Aksay, Ilhan A Car, Roberto Dryer, Frederick L Selloni, Annabella	1606326	Grant	ARRA: Multifunctional Colloidal Nanocatalysts For Liquid Fuel Combustion	Air Force Office of Scientific Research	07/01/2009	12/31/2011	2,415,251
Car, Roberto Selloni, Annabella	1606328						150,749
Dryer, Frederick L	1606343						350,000
Loo, Lynn	1604225	Grant	Interfacial Engineering in Organic Solar Cells	The Camille and Henry Dreyfus Fdn., Inc.	01/01/2009	10/01/2011	120,000
Floudas, Christodoulos A	1606323	Grant	Integrated Framework for Operational Planning and Scheduling Under Uncertainty	National Science Foundation	03/15/2009	02/29/2012	312,353

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Chemical and Biological Engineering (3)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Priestley, Rodney D	1604227	Grant	Nanoengineering Polymeric Membranes for Gas Separations and Proton Exchange	American Chemical Society	09/01/2009	08/31/2011	100,000
Prud'homme, Robert K	1606320	Contract	Novel Mycobacterial Translocase I Inhibitors - A New Class of Anti-TB Drugs.	Sequella, Inc.	09/01/2008	08/31/2011	112,151
Prud'homme, Robert K	1604224	Contract	siRNA Lipid Nanoparticles: Structural Evolution and Advanced Processing	Merck & Co., Inc.	12/04/2008	12/04/2011	352,448
Kevrekidis, Yannis G	1606319	Grant	Mathematical Methods for Assisting Agent-based Computation	Air Force Office of Scientific Research	11/01/2008	09/30/2011	930,499
Nelson, Celeste M	1604222	Grant	Nelson Packard Fellowship for Science and Engineering	The David and Lucile Packard	11/01/2008	10/31/2013	875,000
Loo, Lynn	1606316	Grant	Engineering Hybrid Nanoparticle-polymer Photovoltaics with Enhanced Charge Transport and Collection via Self-Assembly	Office of Naval Research	09/01/2008	08/31/2011	180,000
Kevrekidis, Yannis G	1606315	Grant	FRG: Collaborative Research: Multiscale Modeling of Solid Tumor Growth	National Science Foundation	09/15/2008	08/31/2011	45,000
Floudas, Christodoulos A	1606314	Grant	Protein Structure Prediction Using First Principles	National Institutes of Health	09/01/2008	08/31/2012	999,014
Floudas, Christodoulos A	1606311	Grant	Novel Methods and Computational Studies for Global	National Science Foundation	09/01/2008	08/31/2012	371,924
Aksay, Ilhan A	1606309	Contract	Fundamental Studies on Interfacial Charge Development and Transport in Graphene-based Ultracapacitors	Battelle - Pacific Northwest National Labs	06/19/2008	09/30/2010	249,623
Panagiotopoulos, Athanassios Z	1604220	Grant	KAUST- Cornell Center for Polymers, Hybrid NanoMaterials and Complex Fluids	Cornell University	06/01/2008	05/31/2011	717,862
Loo, Lynn	1604219	Grant	Surface modification through tailored self-assemble monolayer adsorption.	Alfred P. Sloan Foundation	09/16/2008	09/15/2012	50,000
Nelson, Celeste M	1604217	Grant	Engineered Culture Model of Breast Fibrogenesis	The Susan G. Komen Breast Cancer Fdn.	04/16/2008	04/14/2012	300,000
Nelson, Celeste M	1606306	Grant	Spatial Patterning of Branching Morphogenesis	National Institutes of Health	05/01/2008	04/30/2013	281,362
Nelson, Celeste M	1606308						1,136,883
Wood, David W	1606304	Grant	Production of Self-Purifying Proteins in a Variety of Expression Hosts with Focus on Organophosphorus Hydrolase	Army Research Office	05/01/2008	01/31/2011	221,930
Loo, Lynn	1606302	Contract	PIRE: POLYMER Education and Research Partnership between US and Korea	Rensselaer Polytechnic Institute	09/01/2007	12/31/2011	458,800
Loo, Lynn	1606305						8,000
Loo, Lynn	1606357						8,200
Benziger, Jay B	1606300	Grant	Dynamics and Control of Liquid Water Movement in PEM Fuel Cell	National Science Foundation	03/01/2008	02/28/2011	300,000
Benziger, Jay B	1606321						6,000
Russel, William B	1606299	Grant	Formation and Propagation of Cracks in Colloidal Packings	National Science Foundation	07/01/2008	06/30/2012	314,999
Prud'homme, Robert K	1604216	Subcontract	Rheology of Set-on-Demand Cement Formulations (Research thrust of R.K. Prud'homme)	Research Triangle Institute International	01/01/2008	09/30/2010	338,220

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Chemical and Biological Engineering (4)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Nelson, Celeste M	1604215	Grant	Biophysical Dynamics in the Regulation of Tissue Morphogenesis	The Burroughs Wellcome Fund	09/01/2007	12/31/2012	490,190
Loo, Lynn	1604214	Grant	Water-Soluble, Directly-Patternable, Conductive Polyaniline	Arnold and Mabel Beckman Foundation	08/15/2007	08/31/2010	264,000
Sundaresan, Sankaran	1606292	Grant	Development, Verification, and Validation of Multiphase Models for Polydisperse Flows	University of Colorado at Boulder	05/18/2007	12/31/2011	317,076
Sundaresan, Sankaran	1606353						122,000
Prud'homme, Robert K	1604210	Contract	Use of Cyclodextrins in Polymer Synthesis	Arkema Inc.	12/01/2006	11/30/2012	99,137
Nelson, Celeste M	1606293	Grant	In Vitro Synthesis of Fibrosis Genesis	National Institutes of Health	09/01/2007	08/31/2010	338,508
Prud'homme, Robert K	1604211	Grant	Cambrex Ligand Binding Study	Cambrex Pharmaceutical Products & Services	05/01/2007	12/31/2013	10,263
Floudas, Christodoulos A	1606291	Grant	Peptide and Protein Identification via Tandem MS and Mixed-Integer Optimization	National Institutes of Health	05/01/2007	04/30/2012	1,045,141
Sundaresan, Sankaran	1606290	Grant	Rheological Behavior of Dense Assemblies of Granular Materials	DOE - Pittsburgh NETL	04/01/2007	03/31/2011	599,985
Kevrekidis, Yannis G	1606287	Grant	Coarse-grained Dynamics and Robustness of Networks: An Equation-free Approach.	Defense Threat Reduction Agency	11/30/2006	11/29/2011	449,996
Kevrekidis, Yannis G	1606340						414,999
Russel, William B	1604208	Contract	The Rheology of Dispersions of Inorganic Particles in Polymeric Media	Henkel Corporation, Irvine	01/01/2007	12/31/2011	288,578
Aksay, Ilhan A Adamson, Douglas H Car, Roberto Prud'homme, Robert K	1606286	Grant	NIRT: Graphene Nanoplates for Use in Nacre-Mimic Layered and Tabular Composites	National Science Foundation	08/15/2006	07/31/2011	1,000,000
Prud'homme, Robert K	1604207	Contract	Nanoparticle Production for Controlled Release for Oral Care Applications	Colgate-Palmolive Co.	11/01/2006	10/31/2010	100,000
Floudas, Christodoulos A	1606284	Subcontract	Development of In Silico System Toxicology Methods and Tools	University of Medicine & Dentistry of NJ (UMDNJ)	10/01/2005	09/30/2010	566,481
Prud'homme, Robert K	1604206	Grant	Fundamentals of Nanoparticle Formation and Stability	BASF Corporation	03/01/2006	02/29/2012	220,000
Sundaresan, Sankaran	1604204	Grant	Effect of Particle Size Distribution on Drag Force in Fluid-Particle Suspensions	American Chemical Society	01/01/2006	08/31/2010	120,000
Prud'homme, Robert K Kevrekidis, Yannis G Panagiotopoulos, Athanassios Z	1606282	Grant	NIRT: Functional Nanoparticle Formation by "Flash NanoPrecipitation" and Block Copolymer Directed Assembly	National Science Foundation	08/15/2005	07/31/2010	1,350,000
Sundaresan, Sankaran	1606280	Subcontract	Environmentally Benign Mixing of Nanoparticles	New Jersey Institute of Technology	08/01/2005	07/31/2010	209,706
Register, Richard A	1606273	Grant	Structuring Polymer Crystals through Macromolecular	National Science Foundation	08/01/2005	07/31/2010	566,000
Register, Richard A	1606348						5,625

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Chemical and Biological Engineering (5)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Kevrekidis, Yannis G	1606266	Cooperative	The Center for Multiscale Plasma Dynamics	DOE - Germantown	08/01/2004	07/31/2010	484,453
Hammett, Gregory W		Agreement					
Prud'homme, Robert K	1604156	Contract	Rheology of Viscoelastic Surfactant Solutions	Dowell Schlumberger	12/15/1998	12/14/2012	719,609
Prud'homme, Robert K	1604164	Contract	Control of the Formation and Properties of Alkane Hydrates	Halliburton Company	01/01/2001	12/31/2013	765,141
Debenedetti, Pablo G							
Prud'homme, Robert K	1604158	Other	Wax Crystallization: Structure and Theology Control By Polymer Addition	Halliburton Company	12/01/1998	12/31/2013	703,069

Contributions Made to Other Units :

Computer Science

Stanislav Y Shvartsman

Graduate School

Willaim B Russel

Lewis-Sigler Institute for Integrative Genomics

Stanislav Y Shvartsman

Physics

Jay B Benziger

Princeton Environmental Institute (PEI)

Pablo G Debenedetti

PRISM

Jay B Benziger

Mark P Brynildsen

A. James Link

Lynn Loo

Athanassios Z Panagiotopoulos

Rodney D Priestley

Robert K Prud'homme

Richard A Register

Willaim B Russel

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ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Muir, Tom	1306053	Grant	Structure, Function and Applications of Inteins	National Institutes of Health	05/01/2011	07/31/2012	789,123
Muir, Tom	1306052	Grant	Peptide Autoinducers of Staphylococcal Pathogenicity	New York University	12/01/2010	11/30/2011	139,338
Muir, Tom	1306050	Grant	ARRA: Cancer Epigenetics: Deregulation of Chromatin-templated Processes	Rockefeller University	05/01/2011	08/31/2012	185,322
Muir, Tom	1306051						117,921
Selloni, Annabella	1304427	Contract	Computational Modeling of Semiconductor Surfaces	Universidad de Las Palmas De Gran Canaria	06/30/2011	06/30/2012	83,965
Rabitz, Herschel A	1306047	Grant	Complex systems analysis and reduced-order modeling with HDMR	Office of Naval Research	06/15/2011	05/31/2015	400,000
Rabitz, Herschel A	1306046	Contract	DARPA FOUR-C Program	Lockheed Martin Corporation	02/25/2011	02/24/2012	100,000
Muir, Tom Kee, Jung-Min	1304410	Grant	Investigation of Histidine Phosphorylation on Histone H4 through Synthetic Protein Chemistry	Damon Runyon Cancer Research Foundation	04/01/2011	12/31/2011	39,191
Hecht, Michael H	1306045	Grant	Evolution Reloaded: From Artificial Genes to Novel Biological Functions	National Science Foundation	04/01/2011	03/31/2012	703,918
Chirik, Paul J	1304409	Grant	New Transition Metal Reagents for Energy-Efficient, Environmentally Benign Chemical Synthesis	The Camille and Henry Dreyfus Fdn., Inc.	02/15/2011	06/30/2012	8,174
MacMillan, David W Skucas, Eduardas	1306044	Grant	NRSA: Organocascade Catalysis - Total Synthesis of Ochrosamine B	National Institutes of Health	03/01/2011	08/31/2013	126,245
Bocarsly, Andrew B	1306043	Contract	SBIR Phase I: Evolution Polymerization of hard-Core Polycarbonate Dendrimers for High Gloss, Wear Resistant, 0 Voc Coatings	Instrumental Polymer Technologies, LLC	03/01/2011	05/31/2011	20,000
Chirik, Paul J	1304408	Grant	Fertilizer Synthesis from Atmospheric Nitrogen	American Chemical Society	01/01/2011	06/30/2012	145,113
Chirik, Paul J	1304407	Grant	Non-precious Metal Catalyzed Hydrosilylation	Momentive Performance	01/01/2011	12/31/2011	110,000
Rabitz, Herschel A	1306042	Contract	The Natural Evolution of Quantum-Coherent Light-Harvesting by Cryptophyte Algae and its Application in Quantum Phase Sensors	University of Toronto	09/16/2010	03/31/2012	276,738
Doyle, Abigail G	1304406	Grant	Asymmetric Methods for Catalytic Fluorination and Trifluoromethylation	Merck & Co., Inc.	01/13/2011	01/12/2012	37,500
Cava, Robert J	1306041	Grant	Cryogenic Peltier Cooling	Ohio State University	09/15/2010	09/14/2013	562,500
Bocarsly, Andrew B	1306039	Grant	MURI -- Novel Catalytic Mechanisms for the Chemical Reduction of Carbon Dioxide to Energy-Dense Liquids (Topic #11)	University of California at San Diego	10/01/2010	11/30/2011	259,065
Carter, Emily A Bocarsly, Andrew B	1096118						259,065
Yang, Haw	1304404	Grant	Dynamical Coordination in a Multi-Domain, Peptide Antibiotic Mega-Synthetase	Human Frontier Science Program Org. (HFSP)	12/01/2010	11/30/2013	115,000
Chirik, Paul J	1306038	Grant	International Collaboration in Chemistry: Synthesis and Spectroscopy of Reduced Bis(imino)pyridine Iron Compounds	National Science Foundation	10/01/2010	09/30/2013	450,000
Fiedler, Dorothea	1306037	Grant	Elucidating Cellular Signaling Functions of Diphosphoinositol Polyphosphates	National Institutes of Health	09/15/2010	08/31/2013	746,999

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Chemistry (2)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Bastian, Caleb	1306036	Grant	Prediction of Molecular Regulatory Networks in Dental and Craniofacial Disease	National Institutes of Health	09/03/2010	08/31/2015	631,640
MacMillan, David W	1306035	Grant	Cascade Catalysis: A Valuable Strategy for Complex Molecule Synthesis	National Institutes of Health	09/15/2010	07/31/2014	1,262,041
Reider, Paul J	1304402	Contract	Amgen Funding of the Reider Undergraduate Research Group 2011	Amgen, Inc.	05/13/2010	11/30/2011	50,000
Cava, Robert J	1306033	Grant	4d and 5d Oxides at the Border between Localized and Itenerant Electronic Behavior	National Science Foundation	07/01/2010	06/30/2014	530,000
Yang, Haw	1306032	Cooperative Agreement	Characterization Methods for Kinetics of Bottom-Up Assembly with Nanoscale Building Blocks	National Institute of Standards and Technology	09/01/2009	08/31/2011	44,212
Groves, John T	1306031	Grant	Peroxynitrite, Protein Nitration and Advanced Diabetic Neuropathy	Louisiana State University (LSU)	04/01/2010	03/31/2011	16,100
Yang, Haw	1306030	Contract	Mechanism of Cellulose Degradation by Cellulosomes at the Single-Molecule Level	Lawrence Berkeley National Laboratory	12/15/2009	12/31/2010	300,219
Yang, Haw	1304401	Grant	2008 Camille and Henry Dreyfus Foundation Teacher-Scholar Award - Transfer	The Camille and Henry Dreyfus Fdn., Inc.	07/01/2009	06/30/2013	38,103
Bocarsly, Andrew B	1306029	Grant	Photoelectrochemical Conversion of Carbon Dioxide to Alcohols: Formation Carbon-Based Fuels Via Carbon Bond Formation	Air Force Office of Scientific Research	05/15/2010	05/14/2013	522,231
Carey, Jannette	1306027	Grant	REU Site: Summer Research in Molecular Biophysics	National Science Foundation	05/01/2010	04/30/2014	245,000
Carey, Jannette	1306028						115,550
MacMillan, David W	1306025	Grant	Photoredox Catalysis for Chemical Synthesis	National Institutes of Health	04/01/2010	01/31/2014	1,171,894
Rabitz, Herschel A	1306026	Grant	Quantum system identification via L1-norm minimization	SC Solutions, Inc.	09/30/2009	03/31/2011	63,000
Yang, Haw	1306024	Grant	ARRA: Regulation and Catalysis of Human Insulin Degrading Enzyme (Transfer NIH Grant to Princeton)	University of Chicago	08/31/2009	06/30/2011	66,400
Doyle, Abigail G	1304400	Grant	Program for Lilly Symposium in Synthetic Organic Chemistry	Eli Lilly and Company	11/01/2009	10/31/2010	2,500
Yang, Haw	1306023	Grant	Elucidating the Conformational Dynamics of the AAA+ ATPases NtrC1 and NtrC	The Pennsylvania State University	09/01/2009	08/31/2010	115,855
Cava, Robert J	1306022	Grant	Towards New and Better High Temperature Superconductors	Stanford University	08/01/2009	11/30/2011	679,000
Carey, Jannette	1306019	Grant	IRES: U.S. - Czech Research Experience for Students: Structure and Function of the Noval Flavoprotein (WrbA)	National Science Foundation	09/15/2009	08/31/2012	31,878
Carey, Jannette	1306020						42,600
Doyle, Abigail G	1304399	Grant	Reaction Design for Nucleophilic Fluorination with Chiral Lewis Base Catalysts	American Chemical Society	09/01/2009	08/31/2011	100,000
Rabitz, Herschel A	1306018	Grant	Exploring the Scope of Controlling Quantum Phenomena	Army Research Office	09/01/2009	08/31/2012	340,000
Sorensen, Erik J	1306021	Grant	ARRA: NRSA:A Rapid Synthesis of Antimalarial Artemisinin	National Institutes of Health	09/14/2009	07/31/2010	38,987
Moore, Jennifer							
Bocarsly, Andrew B	1306017	Grant	Photoelectrochemical Conversion of Carbon Dioxide to Methanol and Higher Order Alcohols	DOE - Washington	09/01/2009	08/31/2012	640,000

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Chemistry (3)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Yang, Haw	1306016	Contract	Mechanism of Cellulose Degradation by Cellulosomes at the Single-Molecule Level	Lawrence Berkeley National Laboratory	08/26/2009	09/30/2010	149,741
Bernasek, Steven L	1306015	Grant	Structure and Dynamics in Surface Reactions	National Science Foundation	09/15/2009	08/31/2012	678,600
Bernasek, Steven L	1306040						21,655
Groves, John T	1306014	Grant	Center for Catalytic Hydrocarbon Functionalization	University of Virginia	08/01/2009	07/31/2012	860,460
Reider, Paul J	1304398	Contract	Amgen_Donation_Agreement (Paul_Reider)	Amgen, Inc.	08/21/2009	11/30/2010	42,852
MacMillan, David W	1304397	Contract	Amgen_Postdoc_Funding_Request_(David_MacMillan)	Amgen, Inc.	08/20/2009	11/30/2010	100,000
Dilger, Andrew K Grange, Rebecca L							
Yang, Haw	1306013	Contract	Conformations and Local Chemical Environments of Macromolecules Studied Using Time-Resolved, Multispectral Single Molecule Imaging	Sandia National Laboratories	07/09/2009	09/30/2010	199,993
Schwartz, Jeffrey	1306012	Grant	ARRA: International Collaboration in Chemistry: A New Molecular Architecture for Organic Electronics	National Science Foundation	08/01/2009	07/31/2012	485,000
Bernasek, Steven L							
Bocarsly, Andrew B	1306011	Grant	ARRA: A Study of Charge Transfer Processes in the Catalyzed Conversion of Carbon Dioxide to Methanol and Higher Order Alcohols	National Science Foundation	07/15/2009	06/30/2012	411,476
Bocarsly, Andrew B	1304396	Contract	The Electrocatalyzed Conversion of CO2 Organic Products	Liquid Light	07/01/2009	09/30/2011	166,425
Bernasek, Steven L							
Sorensen, Erik J	1304395	Contract	Asymmetric Synthesis of Novel Drugs Active Against Tuberculosis	Global Alliance for TB Drug Development	04/01/2009	06/30/2011	135,307
Reider, Paul J							
Rabitz, Herschel A	1304394	Contract	Quantum Control for Detection and Nanotechnology	Lockheed Martin Corporation	11/01/2008	10/31/2011	750,000
Cava, Robert J	1306007	Grant	Johns Hopkins University Institute for Quantum Matter	The Johns Hopkins University	09/01/2008	08/31/2011	608,465
Sorensen, Erik J	1306004	Grant	NRSA: Total Synthesis of Pleurotin via Carbonylative Carbopalladation of Benzyl Halides	National Institutes of Health	12/01/2008	10/31/2010	88,504
Ebner, David							
Rabitz, Herschel A	1306000	Grant	Spray and Combustion of Gelled Hypergolic Propellants for Future Rocket and Missile Engines	The Pennsylvania State University	05/01/2008	09/30/2011	415,225
Sorensen, Erik J	1306898	Grant	NRSA - A Proposal for the Synthesis of the Lomaiviticin Aglycon	National Institutes of Health	09/01/2008	08/31/2011	142,530
Guerrero, Carlos A	1306898						
Sorensen, Erik J	1306897	Grant	Synthesis of Bioactive Natural Products	National Institutes of Health	09/01/2008	06/30/2012	1,251,681
Hecht, Michael H	1304390	Grant	Discovery of Compounds that Prevent A-Beta Toxicity	Alzheimer's Association	08/01/2008	07/31/2011	239,993
Rabitz, Herschel A	1306896	Contract	Optimal Dynamic Detection of Explosives	Los Alamos National Laboratory	08/12/2008	05/31/2012	2,286,333
Hecht, Michael H	1306895	Grant	Catalytically Active De Novo Proteins From Designed Combinatorial Libraries	National Science Foundation	08/01/2008	01/31/2012	486,719
Hecht, Michael H	1306010						21,538
Rabitz, Herschel A	1306893	Grant	Optimal Dynamic Detection of Explosives	Office of Naval Research	02/01/2008	07/31/2011	525,000

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Chemistry (4)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Schwartz, Jeffrey	1304389	Grant	Enhancing Osseointegration of Polymer Devices for Soft Tissue Attachment.	NFL Charities	01/01/2008	06/30/2011	125,000
Rabitz, Herschel A	1306891	Grant	Optimal Dynamic Detection of Explosives (ODD-Ex)	Army Research Office	12/01/2007	11/30/2010	1,597,587
MacMillan, David W	1304384	Grant	Merck MacMillan Catalyst Library Collaboration	Merck & Co., Inc.	08/09/2007	09/30/2012	300,000
Rabitz, Herschel A	1306888	Grant	Altering the Course of Quantum Dynamics Phenomena	National Science Foundation	08/15/2007	01/31/2011	500,999
Cava, Robert J	1306887	Grant	The Balance between Magnetism and Non-Magnetism in Oxides: Ruthenates, Niobates, and Rhenates	National Science Foundation	06/01/2007	05/31/2011	450,000
Schwartz, Jeffrey	1306882	Grant	Surface Chemistry of Functional Materials	National Science Foundation	05/01/2007	04/30/2012	694,000
Bernasek, Steven L							
Groves, John T	1306880	Grant	MERIT AWARD: Molecular Probes of the Mechanisms of Cytochrome P450	National Institutes of Health	04/03/2007	03/31/2012	1,701,399
Groves, John T	1306005						135,165
MacMillan, David W	1304378	Grant	Merck Center for Catalysis at Princeton University	Merck & Co., Inc.	10/18/2006	10/17/2016	4,942,146
MacMillan, David W	1304411						10,000
MacMillan, David W	1304412						10,000
MacMillan, David W	1304413						10,000
MacMillan, David W	1304414						10,000
MacMillan, David W	1304415						10,000
MacMillan, David W	1304416						10,000
MacMillan, David W	1304417						10,000
MacMillan, David W	1304418						10,000
MacMillan, David W	1304419						10,000
MacMillan, David W	1304420						10,000
MacMillan, David W	1304421						10,000
MacMillan, David W	1304422						10,000
MacMillan, David W	1304423						10,000
MacMillan, David W	1304424						10,000
MacMillan, David W	1304425						10,000
Groves, John T	1306870	Grant	Metal-Oxo and Metal-Peroxo Intermediates in Oxidative Catalysis	National Science Foundation	08/01/2006	02/29/2012	590,000
Groves, John T	1306003						426,000
Rabitz, Herschel A	1306863	Grant	Enironmental Bioinformatics Research Center to Support Computational Toxicology Research	University of Medicine & Dentistry of NJ (UMDNJ)	10/01/2005	09/30/2010	506,636
Selloni, Annabella	1306858	Grant	Towards a Molecular-Scale Understanding of Photocatalysis on Metal Oxides.	Tulane University	08/15/2005	11/14/2011	196,828
Selloni, Annabella	1306002						282,000

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Chemistry (5)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Bernasek, Steven L	1304374	Grant	Laser Addressed Atomic Micro- Magnetometers	University of California at Berkeley	05/01/2005	10/31/2010	723,444
Bernasek, Steven L	1306009						267,889
Dismukes, Gerard C	1306845	Grant	MURI: Renewable Bio-solar Hydrogen Production from Robust Oxygenic Phototrophs	Air Force Office of Scientific Research	05/15/2005	05/14/2011	5,184,424
Austin, Robert H							
Stiefel, Edward I							
Dismukes, Gerard C	1306894						250,832
Austin, Robert H							
Stiefel, Edward I							
Dismukes, Gerard C	1306008						1,150,654
Austin, Robert H							
Stiefel, Edward I							
Rabitz, Herschel A	1306811	Grant	Control of Molecular Dynamics: Algorithms for Design and Implementation	DOE - Washington	09/01/2002	10/31/2011	739,999
Rabitz, Herschel A	1306006						390,000
Rabitz, Herschel A	1304343	Grant	Support for Rabitz Research	Mills Foundation, Inc.	12/01/2001	11/30/2010	77,000
Cava, Robert J	1306746	Grant	New Superconducting Materials	DOE - Chicago	09/01/1998	04/30/2012	2,162,414
Cava, Robert J	1306034						372,000
Kahne, Daniel E	1304309	Contract	Project Support	Indevus Pharmaceuticals, Inc.	07/01/1997	06/30/2025	300,000
Taylor, Edward C	1304057	Grant	Research in Heterocyclic Chemistry	Lilly Research Labs	10/01/1968	12/31/2999	498,115
Taylor, Edward C	1304239	Grant	Folate Antimetabolites	Eli Lilly and Company	01/01/1991	12/31/2010	1,321,742

Contributions Made to Other Units :

Chemical and Biological Engineering

Roberto Car

Joshua D Rabinowitz

Annabella Selloni

Lewis-Sigler Institute for Integrative Genomics

G. Charles Dismukes

Joshua D Rabinowitz

Herschel A Rabitz

Molecular Biology

Joshua D Rabinowitz

Martin F Semmelhack

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

ACTIVE SPONSORED PROJECTS7/1/2010 - 6/30/2011

Contributions Made to Other Units (cont):

Physics

Robert J Cava

Princeton Environmental Institute

Anne M Morel-Kraepiel

PRISM

Stefan Bernhard

Steven L Bernasek

Andrew B Bocarsly

Roberto Car**Robert J Cava**

Herschel A Rabitz

Jeffrey Schwartz**Annabella Selloni****Zoltan G Soos****Salvatore Torquato**

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Civil & Environmental Engineering

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Celia, Michael A	1554028	Grant	Multi-phase Flow Models for CO2 Sequestration	University of Bergen	04/01/2011	03/31/2013	157,423
Jaffe, Peter R Reid, Matthew C	1556143	Grant	Development of a Push-Pull Technique to Simultaneously Characterize Volatilization and Biodegradation Rates of VOCs in Shallow Wetland Sediments	Rutgers University	03/01/2011	02/29/2012	5,000
Zondlo, Mark A	1556142	Grant	Environmental Conditions and Characteristics of Ice Supersaturated Regions in DC3	National Science Foundation	04/15/2011	03/31/2014	608,741
Scherer, George W	1554027	Grant	Designing mineral interfaces	LaFarge Corporation	12/01/2010	07/31/2012	90,000
Wood, Eric F	1556140	Grant	Downscaling of Satellite Precipitation Data for Flood Drought Prediction in Data Sparse Regions	University of Washington	04/01/2010	03/31/2012	73,258
Caylor, Kelly K	1556139	Grant	ESE Collaborative Research: Spatial Resilience of Agriculturalists to Coupled Ecological and Hydrological Variability in Rural Zambia	National Science Foundation	10/01/2010	03/31/2014	350,000
Wood, Eric F	1556138	Grant	Prototype Development of A Microwave Radiometer Simulator for Land Surface and Precipitation Characterization	University of Maryland	09/01/2010	08/31/2012	32,000
Smith, James A Bou-Zeid, Elie R	1556136	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	01/01/2011	12/31/2015	675,046
Bou-Zeid, Elie R Smith, James A	1556137						599,954
Glisic, Branko	1556135	Grant	ARRA: The Learning Bridge: Data Management Software	Drexel University	09/01/2010	08/31/2012	100,000
Bou-Zeid, Elie R	1556134	Grant	The Implications of Surface Heterogeneity and Mesoscale Variability on the Dynamics of Stable Atmospheric Boundary Layers	National Science Foundation	09/15/2010	08/31/2013	370,902
Sheffield, Justin	1556133	Grant	Improved assessment of historical and future projected changes in global and regional drought	U.S. DOC - Natl Oceanic & Atmos Admin	08/01/2010	07/31/2013	362,000
Smith, James A	1556132	Grant	Studies of Error Structure of GPM Rainfall Estimates and Scale Aspects of Floods	University of Iowa	05/01/2010	04/30/2013	63,564
Wood, Eric F	1556131	Grant	Collaborative Research: Enhancing operational drought monitoring and prediction results through synthesis of N-LDAS and CPPA research results	U.S. DOC - Natl Oceanic & Atmos Admin	08/01/2010	07/31/2013	296,291
Zondlo, Mark A	1556130	Grant	RAPID: Ice Supersaturated Regions and Distribution of Water Vapor During the Third HIPPO Deployment	National Science Foundation	08/15/2010	01/31/2012	119,646
Celia, Michael A	1556129	Grant	Quantification of Wellbore Leakage Risk Using Non-destructive Borehole Logging Techniques	Dowell Schlumberger	01/01/2010	08/30/2011	204,616
Celia, Michael A	1556128	Contract	Analytical-Numerical Sharp-Interface Model of CO2 Sequestration & Application to Illinois Basin	New Mexico Institute of Mining and Technology	10/01/2009	09/30/2010	114,889
Wood, Eric F	1556127	Grant	Integrating NASA Earth Sciences Research results into Decision Support Systems for Agriculture and Water Management in South America	University of Maryland	11/04/2009	11/03/2013	199,945

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Civil & Environmental Engineering (2)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Scherer, George W	1556126	Grant	ARRA: The Science of Concrete with Fly Ash: Fundamental Models that Enable New Technology for Expanded Use of Fly Ash	Northwestern University	01/01/2010	12/31/2012	97,543
Peters, Catherine A Adriaenssens, Sigrid M Arnold, Craig B Bou-Zeid, Elie R Harrison, Jane C	1556125	Grant	RAPID: Wind Energy and Rainwater Harvesting Solutions for Sustainable Recovery of Haiti	National Science Foundation	05/01/2010	04/30/2012	102,000
Caylor, Kelly K	1556124	Grant	LTREB: KLEE- Scaling up and out at the Kenya Long-term Exclosure Experiment	University of California at Davis	08/01/2009	07/31/2012	7,560
Garlock, Maria E	1556123	Contract	The Golden Gate Bridge As An Informal Science Education Resource	Golden Gate Bridge, Highway and Transportation District	09/01/2009	08/31/2011	85,190
Celia, Michael A	1556122	Cooperative Agreement	A Hierarchical Modeling Framework for Geological Storage of Carbon Dioxide	U.S. Environmental Protection Agency	12/01/2009	11/30/2012	870,009
Peters, Catherine A Celia, Michael A Scherer, George W	1556119	Cooperative Agreement	Basin-Scale Leakage Risks from Geologic Carbon Sequestration: Impact on CCS Energy Market Competitiveness	DOE - Pittsburgh NETL	10/01/2009	09/30/2012	1,349,297
Celia, Michael A	1556116	Grant	CMG COLLABORATIVE RESEARCH: Advanced Computational Models for Geological Storage of Carbon Dioxide	National Science Foundation	10/01/2009	09/30/2012	350,000
Peters, Catherine A Scherer, George W	1556115	Grant	Collaborative Research: DUSEL CO2 - A Deep Underground Laboratory for Geologic CO2 Sequestration Studies: A proposal for the design of the facility an...	National Science Foundation	08/15/2009	07/31/2012	377,000
Zondlo, Mark A Diao, Minghui	1556114	Grant	Aircraft-Based Measurements of Ice Supersaturated Regions in the Upper Troposphere and Lower Stratosphere and Comparisons to AIRS Climatologies	NASA Headquarters - Washington	09/01/2009	08/31/2011	60,000
Glisic, Branko	1556113	Grant	NEESR Payload - Fiber Optic Method for Buried Pipelines Health Assessment after Earthquake-Induced Ground Movement	National Science Foundation	02/01/2010	01/31/2012	99,968
Peters, Catherine A Celia, Michael A	1556112	Grant	Effects of Pore Structure Change and Multi-Scale Heterogeneity on Contaminant Transport and Reaction Rate Upscaling	DOE - Germantown	05/15/2009	05/14/2012	413,866
Caylor, Kelly K Franz, Trenton E	1556111	Grant	International: The impact of macropores on the spatial and temporal patterns of soil moisture in dryland ecosystems of central Kenya	National Science Foundation	07/01/2009	06/30/2011	15,000
Wood, Eric F	1556110	Grant	Development and Diagnostic Analysis of a Multi-decadal Global Evaporation Project for NEWS	NASA Headquarters - Washington	05/11/2009	05/10/2013	676,378
Caylor, Kelly K	1556108	Grant	CAREER: An ecohydrological framework for understanding land degradation in dryland ecosystems	National Science Foundation	08/15/2009	07/31/2014	964,903
Caylor, Kelly K	1556109						571,897
Wood, Eric F	1554026	Contract	WATCH Collaboration Agreement with Wageningen University	Wageningen University	01/01/2009	12/31/2010	60,000
Wood, Eric F	1556107	Grant	Travel Grant Proposal: Travel Support for Young Researchers to Attend the HEPEX09 Downscaling Workshop	National Science Foundation	05/15/2009	04/30/2011	20,000

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Civil & Environmental Engineering (3)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Scherer, George W	1556106	Grant	Controlling Salt Damage	DOI - Natl Ctr for Preservation Tech & Training	03/01/2009	01/31/2011	25,000
Scherer, George W	1554025	Grant	Protecting Marble from Weathering	Samuel H. Kress Foundation	07/01/2009	08/31/2010	17,500
Wood, Eric F	1556104	Grant	Use of International Polar Year Data to Improve Attribution of Long-Term Hydrologic Changes in Arctic Eurasian Land areas	University of Washington	06/30/2008	06/29/2011	160,000
Rodriguez-Iturbe, Ignacio	1556102	Grant	WaterSCAPES: Science of Coupled Aquatic Processes in Ecosystems from Space	Florida International University	01/20/2009	01/31/2011	489,745
Zondlo, Mark A	1556103	Grant	Nitrous Oxide Measurements Using a Quantum Cascade Laser Near 4.54 Microns	U.S. Dept of Agriculture	02/01/2009	07/31/2010	100,000
Wood, Eric F	1556100	Grant	Optimal Dynamic Predictions of Semi-Arid Land Cover Change and Implications for Ecosystem Goods and Services	Duke University	05/01/2008	04/30/2012	184,720
Wood, Eric F	1556096	Grant	Understanding Hydrologic Sensitivity and land-atmosphere Coupling Through Space-based Remote Sensing	NASA Headquarters - Washington	09/01/2008	08/31/2011	90,000
Roundy, Joshua K	1556095	Cooperative Agreement	Developing Consistent Earth System Data Records for the Global Terrestrial Water Cycle	NASA Headquarters - Washington	06/15/2008	06/14/2013	3,555,000
Wood, Eric F	1556094	Grant	Collaborative Research: Guidelines for the Design of Steel Shear Angle Connections under Fire Hazard	National Science Foundation	07/15/2008	06/30/2011	120,000
Garlock, Maria E	1556093	Grant	Identifying Mechanisms of US Drought Initiation, Persistence and Recovery using Observations, Reanalysis and Climate Model Data	U.S. DOC - Natl Oceanic & Atmos Admin	06/01/2008	05/31/2012	360,000
Wood, Eric F	1556093	Grant	Identifying Mechanisms of US Drought Initiation, Persistence and Recovery using Observations, Reanalysis and Climate Model Data	U.S. DOC - Natl Oceanic & Atmos Admin	06/01/2008	05/31/2012	360,000
Smith, James A	1554024	Other	Hydrological and Hydrometeorological Studies of Catastrophic Flood Risk	Willis Research Network	04/15/2008	04/14/2014	615,000
Young, Yin L	1556091	Grant	Transient Response and Failure Mechanisms of Advanced Composite Materials	Office of Naval Research	01/29/2008	03/01/2012	277,935
Wood, Eric F	1556090	Grant	Establishing a Global Soil Moisture Earth System Data Record	NASA Headquarters - Washington	02/01/2008	01/31/2012	375,000
Scherer, George W	1554022	Grant	Preventing Salt Damage to Stone	J. Paul Getty Trust	09/01/2007	05/31/2011	55,775
Caylor, Kelly K	1556089	Grant	Collaborative Proposal: Distribution and Dynamics of Belowground Carbon in Savannas	National Science Foundation	09/15/2007	08/31/2010	208,344
Wood, Eric F	1556088	Grant	Use of IPY Circumpolar Permafrost Data to Understand Long- Term Water and Carbon Cycle Changes in the Terrestrial Artic Drainage Basin	University of Washington	09/01/2007	08/31/2011	210,000
Smith, James A	1556087	Subcontract	New Paradigm for Statistical Validation of Satellite Precipitation Estimates	University of Iowa	04/01/2007	03/31/2011	223,842
Jaffe, Peter R	1556086	Contract	Monitoring the Development of a High Marsh for its Effectiveness in Sequestering Trace Metals	New Jersey Meadowlands	02/01/2008	01/31/2011	100,000
Prevost, Jean-Herve	1556084	Grant	Transient Flow-Induced Soil Failures of Coastal Structures	National Science Foundation	09/15/2007	08/31/2011	397,124
Smith, James A	1556083	Grant	Collaborative Research: Dynamic Coupling of the Water Cycle and Patterns of Urban Growth	National Science Foundation	09/01/2007	08/31/2011	312,331

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Civil & Environmental Engineering (4)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Rodriguez-Iturbe, Ignacio	1556082	Grant	Collaborative Research: Co-Organization of River Basin Geomorphology and Vegetation	National Science Foundation	09/01/2007	08/31/2010	238,618
Garlock, Maria E	1556081	Grant	Collaborative Research to Develop Guidelines for Fire Safety Design of Steel Beam-Columns	National Institute of Standards and Technology	07/01/2007	06/30/2011	84,475
Wood, Eric F	1556079	Grant	Assessment of the Predictive Skill of GPM-Era Precipitation Estimates for Hydrologic Applications	NASA Goddard Space Flight Center	07/01/2007	06/30/2011	458,286
Wood, Eric F	1556118						19,498
Rodriguez-Iturbe, Ignacio	1554019	Grant	Transport in River Networks: A Complex System Perspective for Biodiversity and Water-Borne Diseases	James S. McDonnell Foundation	07/01/2007	07/01/2011	450,000
Jaffe, Peter R	1556078	Contract	Microbiological, Geochemical & Hydrologic Processes Controlling Uranium Mobility: An Integrated Field-Scale Subsurface Research Challenge Site at Ri..	Battelle - Pacific Northwest National Labs	04/30/2007	09/30/2011	672,600
Jaffe, Peter R	1554016	Contract	Pollutant Dynamics in Wetland Sediments; Assessing Wetlands for the Retention of Trace Metals and Removal of Organic Contaminants at the Chambers Work	E.I. du Pont de Nemours and Company	09/01/2006	08/31/2010	366,777
Wood, Eric F	1556073	Grant	Collaborative Research: Understanding Change in the Climate and Hydrology of the Arctic Land Region: Synthesizing the Results of the ARCSS Fresh Water	National Science Foundation	09/01/2006	08/31/2010	327,849
Wood, Eric F	1556092						12,500
Jaffe, Peter R	1554012	Other	Foster Interactions Between Princeton University and Slovay Related to the Manufacturing of Construction Materials from Dredged polluted sediments	Solvay S.A.	02/01/2005	01/31/2015	30,000
Scherer, George W	1554010	Grant	Advanced Cement Based Materials	Northwestern University	08/01/2004	07/31/2012	13,000

Contributions Made to Other Units :

Atmospheric & Oceanic Sciences

Eric F Wood

Chemical and Biological Eng

Jean-Hervé Prévost

Princeton Environmental Institute (PEI)

Michael A Celia

Jean-Hervé Prévost

George W Scherer

James A Smith

Erik H VanMarcke

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

Contributions Made to Other Units (cont):

PRISM

George W Scherer

James A Smith

Catherine A Peters

Mark A. Zondlo

Woodrow Wilson School

Denise L Mauzerall

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Comparative Literature

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Brooks, Peter P	1364107	Grant	The Ethics of Reading: The Humanities and Profesional Cultures	The Andrew W. Mellon Foundation	07/01/2008	09/01/2012	1,509,393

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Computer Science

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Blei, David M	1756407	Grant	Scalable Topic Modeling: Online Learning, Diagnostics and Recommendation	Office of Naval Research	06/01/2011	05/31/2014	509,992
Rexford, Jennifer L	1756405	Contract	DARPA CORONET Phase II	AT&T Government Solutions	12/01/2010	03/10/2013	130,000
Rexford, Jennifer L	1756404	Contract	CURVEBALL SAFER Warfighter Communications Program	BBN Technologies	11/30/2010	11/23/2011	120,513
August, David I	1756403	Grant	SPARCS: Symbiotic, Polymorphic, Autotomic, Resilient, Clean-slate, Host Security	Columbia University	09/22/2010	09/21/2014	1,177,273
Felten, Edward W	3324000	Grant	Removing Private Information from Public Documents	Public.Resource.Org	10/01/2010	09/30/2011	60,000
Peterson, Larry L	1756402	Grant	MRI: Development of a Virtual Cloud Computing Infrastructure	National Science Foundation	10/01/2010	09/30/2013	2,940,000
Freedman, Michael J							
Pai, Vivek S							
Rexford, Jennifer L							
Rexford, Jennifer L	1756401	Grant	FIA: Collaborative Research: Architecting for Innovation	National Science Foundation	10/01/2010	09/30/2013	199,999
Barak, Boaz M	1756400	Grant	CIFellows Project: Privacy, Reliability, and Security for Distributed Data and Computations	Computing Research Association	09/01/2010	07/31/2011	121,315
Rusinkiewicz, Szymon M	1756399	Grant	CDI-Type I: Automated Documentation and Illustration of Material Culture through the Collaborative Algorithmic Rendering Engine (CARE)	National Science Foundation	09/15/2010	08/31/2013	555,000
August, David I	1756398	Grant	SI2-SSI: Accelerating the Pace of Research through Implicitly Parallel Programming	National Science Foundation	10/01/2010	09/30/2014	1,669,513
Walker, David P							
August, David I	1756406						70,701
Walker, David P							
Freedman, Michael J	1756396	Grant	FIA: Collaborative Research: NEBULA: A Future Internet That supports Trustworthy Cloud Computing	National Science Foundation	09/01/2010	08/31/2013	502,602
Rusinkiewicz, Szymon M	1756397	Grant	HCC: Large: Collaborative Research: Beyond Flat Images: Acquiring, Processing, and Fabricating Visually Rich Material Appearance	National Science Foundation	09/01/2010	08/31/2015	498,105
Chazelle, Bernard	1756395	Grant	AF: Small: New Directions in Computational Geometry	National Science Foundation	09/01/2010	08/31/2013	347,968
Walker, David P	1756394	Grant	SHF:Small:Language Support for Ad Hoc Data Processing	National Science Foundation	08/15/2010	07/31/2013	500,000
Blei, David M	1756393	Grant	Text, Neuroimaging, and Memory: Unified Models of Corpora and Cognition	National Science Foundation	08/01/2010	07/31/2013	732,296
Norman, Kenneth A							
Schapiro, Robert E	1756391	Grant	RI: Small: Boosting, Optimality, and Game Theory	National Science Foundation	09/01/2010	08/31/2013	450,000
Arora, Sanjeev	1754144	Grant	Simons Foundation Fellowship	The Simons Foundation	07/01/2010	06/30/2014	385,024
Arora, Sanjeev	1754145						40,000
Rexford, Jennifer L	1756389	Grant	Workshop for GENI Experiments	National Science Foundation	06/01/2010	05/31/2011	6,715
Rexford, Jennifer L	1756390						88,100
Freedman, Michael J	1756388	Grant	CAREER: Towards Scalable Datacenter Services with Strong Robustness Guarantees	National Science Foundation	07/01/2010	06/30/2015	529,306
Blei, David M	1754143	Grant	Blei - Alfred Sloan Research Fellowship	Alfred P. Sloan Foundation	09/15/2010	09/15/2012	50,000

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Computer Science (2)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Chazelle, Bernard	1756385	Grant	CCF: AF Analytical Tools for Natural Algorithms	National Science Foundation	04/15/2010	03/31/2013	500,000
August, David I	1756384	Grant	CSR: Medium: Collaborative Research: Scaling the Implicitly Parallel Programming Model with Lifelong Thread Extraction and Dynamic Adaptation	National Science Foundation	05/01/2010	04/30/2013	400,000
Peterson, Larry L	1756383	Grant	CI-ADDO-EN: Scaling, Diversifying and Enriching Planet Lab	National Science Foundation	07/01/2010	06/30/2013	1,500,000
Peterson, Larry L	1756382	Grant	Workshop on Federating Computational Resources	National Science Foundation	05/01/2010	04/30/2011	14,943
Freedman, Michael J	1756381	Grant	ARRA: Openflow Campus Trials of Enterprise GENI	BBN Technologies	10/01/2009	09/30/2012	300,000
Peterson, Larry L							
Rexford, Jennifer L							
Peterson, Larry L	1756380	Grant	ARRA: Understanding Federation	BBN Technologies	10/01/2009	09/30/2011	250,000
Freedman, Michael J	1756379	Grant	ARRA: A SCAFFOLD for GENI-based Distributed Services	BBN Technologies	10/01/2009	09/30/2011	406,582
Blei, David M	1756378	Grant	Non-Parametric Bayesian Analysis of Heterogeneous Data	Air Force Office of Scientific Research	09/15/2009	09/14/2012	358,683
Rexford, Jennifer L	1754142	Contract	Hosting Virtual Networks on Multicore Platforms	Intel Corporation	09/01/2009	08/31/2014	65,000
Funkhouser, Thomas A	1756377	Grant	Interactive Discovery and Semantic Labeling of Patterns in Spatial Data	National Science Foundation	09/01/2009	08/31/2012	499,934
Blei, David M							
Fellbaum, Christiane D							
Finkelstein, Adam							
Barak, Boaz M	1756376	Grant	Goals for Scholarly Activity	Computing Research Association	09/01/2009	08/31/2010	109,502
Singh, Mona	1756375	Grant	Discovery of Complex Recurring Protein Interaction Patterns within Interactomes: Algorithms, Applications and Software	National Science Foundation	09/01/2009	08/31/2012	613,000
Charikar, Moses S	1756374	Grant	AF: Small: Mathematical Programming Methods in Approximation	National Science Foundation	08/15/2009	07/31/2012	499,996
Freedman, Michael J	1756373	Grant	ARRA: NeTS Medium: A SCAFFOLD for Service-Centric Networking	National Science Foundation	08/01/2009	07/31/2013	750,000
Rexford, Jennifer L							
Fellbaum, Christiane D	1756371	Grant	ARRA: CI-ADDO-EN: A Second-Generation Architecture for WordNet	National Science Foundation	08/01/2009	07/31/2012	306,606
Fellbaum, Christiane D	1756372						50,000
Freedman, Michael J	1756370	Grant	ARRA: NeTS: Medium: Collaborative Research: Designing a Content-Aware Internet Ecosystem	National Science Foundation	08/01/2009	07/31/2013	340,000
Pai, Vivek S	1756369	Grant	ARRA: NeTs: Small: Content Retrieval Networks: Network Access for Developing Regions	National Science Foundation	08/01/2009	07/31/2012	499,998
August, David I	1756367	Contract	AACE Architecture Aware Compiler Environment	BAE Systems, Inc.	05/11/2009	03/15/2011	138,627
Appel, Andrew W	1756365	Grant	ARRA: TC: Large: Collaborative Research: Combining Foundational and Lightweight Formal Methods to Build Certifiably Dependable Software	National Science Foundation	07/01/2009	06/30/2013	500,000

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Computer Science (3)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Rexford, Jennifer L Walker, David P	1756363	Grant	Networks Opposing Botnets (NoBot)	University of Pennsylvania	04/01/2009	04/30/2012	400,000
Freedman, Michael J	1756362	Grant	Towards a Service-Centric Network Architecture for Fault Tolerance, Migration, and Mobility	Office of Naval Research	06/01/2009	05/31/2012	610,000
Appel, Andrew W	1756361	Grant	Evidence Based Trust in Large Scale MLS Systems	Kansas State University	03/01/2009	11/30/2014	554,542
Peterson, Larry L	1756359	Contract	Prototyping and Validating the GENI Control Framework	BBN Technologies	09/01/2008	05/31/2012	602,940
Rexford, Jennifer L	1756358	Grant	NeTS-NECO: Collaborative Research: Fixing the reliability problem in network software from its root	National Science Foundation	09/01/2008	08/31/2012	350,000
Arora, Sanjeev Barak, Boaz M Charikar, Moses S Chazelle, Bernard Tarjan, Robert E	1756356	Grant	Collaborative Research: Understanding, Coping with, and Benefiting from, Intractability	National Science Foundation	08/15/2008	07/31/2013	6,428,025
Arora, Sanjeev Barak, Boaz M Charikar, Moses S Chazelle, Bernard Tarjan, Robert E	1756357						440,000
Freedman, Michael J Funkhouser, Thomas A	1756354	Grant	Collaborative Research: NETS ANET: A Network Architecture for Federated Virtual/Physical Worlds	National Science Foundation	10/01/2008	09/30/2012	509,000
Li, Fei-Fei	1756355	Grant	CRCNS: fMRI Pattern Analysis of Neural Correlates of Natural Scene Categories	National Institutes of Health	08/01/2008	07/31/2012	279,333
Arora, Sanjeev	1756347	Grant	New Directions in Semidefinite Programming and Approximation	National Science Foundation	09/01/2008	08/31/2011	450,000
Tarjan, Robert E	1756346	Grant	Efficient Algorithms and Data Structures - Theory and Practice	National Science Foundation	09/01/2008	08/31/2011	150,000
Tarjan, Robert E	1756387						8,000
August, David I	1754141	Contract	Scalable Automatic Thread Extraction of C/C++ Codes for Multicore Systems	Semiconductor Research Corporation	04/01/2008	03/31/2011	100,000
Blei, David M	1756344	Grant	CAREER: New Directions in Probabilistic Topic Models	National Science Foundation	07/01/2008	06/30/2013	549,943
Li, Kai	1754140	Contract	Intel	Intel Corporation	03/01/2008	02/28/2012	57,500
Blei, David M	1756343	Grant	Dynamic and Supervised Topic Models for Literature-Based Discovery	Office of Naval Research	01/31/2008	07/31/2011	300,000
Blei, David M	1754139	Grant	General Dynamics' CASE Proposal to DTO Subcontract	General Dynamics Corporation	01/01/2008	09/30/2010	90,000
Cook, Perry R	1754138	Grant	Mixed-Initiative Visual Vocabulary Application for People with Aphasia	Microsoft Corporation	01/01/2008	12/31/2999	50,000
Rexford, Jennifer L	1754137	Grant	Hosting Virtual networks on Multicore Platforms	Intel Corporation	12/01/2007	11/30/2013	130,000
Barak, Boaz M	1754136	Grant	Packard Fellowship for Science and Engineering	The David and Lucile Packard Foundation	10/15/2007	10/15/2012	825,000

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Computer Science (4)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Tarjan, Robert E	1754135	Grant	Design and Analysis of Basic Data Structures and Algorithms	U.S.-Israel Binational Science Fdn.	10/01/2007	09/30/2011	54,325
Arora, Sanjeev	1754134	Grant	On Some Complexity Issues Between P and NP	U.S.-Israel Binational Science Fdn.	09/01/2007	08/31/2011	14,145
Rusinkiewicz, Szymon M	1756340	Grant	Images with Normals: Acquisition, Analysis, and Depiction	National Science Foundation	09/01/2007	08/31/2011	300,000
Rusinkiewicz, Szymon M	1756386						7,389
Rexford, Jennifer L	1756331	Grant	Collaborative proposal: CABO: Concurrent Architectures are Better than One	National Science Foundation	09/15/2006	08/31/2010	299,999
Rexford, Jennifer L	1756368						8,125
Barak, Boaz M	1756332	Grant	CT-ISG: Cryptographic Foundations for Next-Generation Security Applications	National Science Foundation	09/15/2006	08/31/2011	400,000
Walker, David P	1756330	Grant	NSF CT: Well-typed Trustworthy Computing in the Presence of Transient Faults	National Science Foundation	09/01/2006	08/31/2011	963,751
Appel, Andrew W							
August, David I							
Clark, Douglas W							
Martonosi, Margaret R							
Martonosi, Margaret R	1756333						136,249
Appel, Andrew W							
August, David I							
Clark, Douglas W							
Walker, David P							
Funkhouser, Thomas A	1756327	Grant	SEI: New Shape Analysis Methods for Structural Bioinformatics	National Science Foundation	08/15/2006	07/31/2010	616,469
Singh, Mona							
Peterson, Larry L	1756326	Grant	MRI: Development of VINI: A Virtualized Network Infrastructure	National Science Foundation	09/01/2006	08/31/2010	1,966,266
Rexford, Jennifer L							
Fiuczynski, Marc E	1756324	Grant	Collaborative Research: CSR-PDOS: Managing OS Extensibility via Aspect-oriented Programming Technology	National Science Foundation	08/01/2006	07/31/2010	316,255
Walker, David P							
Pai, Vivek S	1756321	Grant	CSR--PDOS: Reduce, Reuse, Recycle: Operating System Support for Server Appliance Consolidation	National Science Foundation	09/01/2006	08/31/2011	442,158
Troyanskaya, Olga G	1756316	Grant	CAREER: An Integrated Approach to the Study of Biological Process Specific Networks	National Science Foundation	06/01/2006	05/31/2012	1,000,692
Singh, Jaswinder P	1756314	Contract	Modeling Viral Immunity and Antagonism	Mt. Sinai School of Medicine	09/30/2005	09/29/2010	539,627
Shvartsman, Stanislav Y	1756315						307,996
Singh, Jaswinder P							

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Computer Science (5)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Rexford, Jennifer L Chiang, Mung	1756309	Grant	Collaborative Research: NeTS-NBD: Network X-ities - Foundations and Applications	National Science Foundation	09/01/2005	08/31/2010	327,231
Chiang, Mung Rexford, Jennifer L	1756311						327,331
Pai, Vivek S Peterson, Larry L	1756306	Grant	NeTS-NBD: Bridging the 10 GHz /10 Gbit Gap - Whole-System Approaches for Scalable Networked Services	National Science Foundation	08/01/2005	07/31/2010	600,000
Peterson, Larry L	1756304	Grant	CRI:PlanetLab: A Community Resource Development Program	National Science Foundation	08/01/2005	07/31/2011	1,220,002
August, David I	1754125	Grant	User-Centric Information Flow Security	Intel Corporation	09/01/2005	08/31/2012	120,000
Clark, Douglas W Martonosi, Margaret R	1754124	Grant	Dynamic Compile-time Energy and Power Control for Intel Processors	Intel Corporation	07/01/2005	12/31/2014	42,500
Martonosi, Margaret R	1754127						42,500
Peterson, Larry L	1754115	Cooperative Agreement	Planet Lab Memebership Agreement - Income Account	PlanetLab	09/01/2003	08/31/2012	2,420,000

Contributions Made to Other Units :

Applied & Computational Mathematics

Jennifer L Rexford

Center for Information Technology Policy

Edward W Felten

Electical Engineering

David I August

Margaret R Martonosi

Kai Li

Jennifer L Rexford

Lewis-Sigler Institute for Integrative Genomics

Kai Li

Jaswinder P Singh

Mona Singh

Olga G Troyanskaya

PRISM

David I August

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Dean for Research

ACTIVE SPONSORED PROJECTS7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Ritter, John F	6804002	Grant	Intellectual Property Development	ORPA	01/01/2007	07/31/2010	0
Kang, Yibin	1264631						75,000
Groves, John T	1304386						74,540
Hecht, Michael H	1304387						57,260
Ritter, John F	6806002	Grant	Intellectual Property Development	NJ Commission on Science and Technology	01/01/2007	07/31/2010	0
Wood, David W	1606296						100,000
Prucnal, Paul R	1706535						100,000
Peterson, Larry L	1756342						99,802
Ritter, John F	6804001	Cooperative Agreement	White Rose Health Innovation Partnership	White Rose Health Innovation	10/31/2006	01/31/2011	14,523

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

East Asian Studies / EAS Program

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Naquin, Susan	1374059	Grant	Chines Rare Books Project	Field Museum of Natural History	09/01/2009	12/31/2012	5,000
Naquin, Susan	1374058	Grant	Proposal to the Edward C. Johnson Fund	Edward C. Johnson Fund	05/01/2009	12/31/2010	210,000
Naquin, Susan	1374047	Grant	The Chinese Rare Books Project	Various (Foundations)	02/01/2002	12/31/2010	2,500
Edgren, James S							
Collicutt, Martin C	4174009	Grant	National Consortium for Teaching About Asia Seminar	Freeman Foundation	09/01/2008	06/30/2012	149,045

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Ecology and Evolutionary Biology

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Levin, Simon A Ziv, Guy	1284070	Grant	Flow Modification for Flood Control-a Biodiversity Trade -off Analysis.	AXA Research Fund	04/01/2011	03/31/2012	84,888
Rubenstein, Daniel I Riginos, Corinna	1286189	Grant	A Cost-effectiveness Framework for Landscape Rehabilitation and Carbon Sequestration in Northern Kenya	Colorado State University	11/01/2010	11/30/2011	80,000
Levin, Simon A	1286188	Grant	Dimensions: Collaborative Research: Biological controls on the ocean C:N:P ratios	National Science Foundation	01/01/2011	12/31/2015	497,366
Couzin, Iain D	1284069	Contract	Collective behavior and social transmission of information in human crowds	Oxford Risk Research & Analysis	09/15/2010	09/14/2012	169,660
Levin, Simon A Yackulic, Charles B	1286187	Grant	NSF Postdoctoral Fellowship: Population Re-distribution and Its Role in Fluctuating Local Bird Abundances	National Science Foundation	08/01/2010	07/31/2012	10,000
Dobson, Andrew P	1286186	Contract	PREDICT : EID Hotspots	EcoHealth Alliance	10/01/2009	10/31/2010	57,975
Wikelski, Martin C	1286185	Grant	Integrative Migration Biology Symposium	National Science Foundation	06/15/2010	11/30/2010	19,000
Dobson, Andrew P	1286184	Grant	Nipah Virus Transmission And Epidemiology In Bangladesh	EcoHealth Alliance	09/01/2009	08/31/2011	55,950
Altmann, Jeanne	1286183	Grant	Sex differences in health and survival in a wild primate	Duke University	09/30/2009	08/31/2014	349,642
Altmann, Jeanne	1286182	Grant	Mechanisms and Consequences of Social Connectedness in a Wild Primate Population	Duke University	09/15/2009	08/31/2014	844,821
Grenfell, Bryan T	1284067	Grant	Evaluation of Candidate Vaccine Technologies Using Computational Models	University of Pittsburgh	09/01/2009	03/31/2012	1,598,565
Katz, Yael	1286181	Grant	NSF Postdoctoral Research Fellowship in Biology	National Science Foundation	08/01/2009	07/31/2011	10,000
Couzin, Iain D	1286180	Grant	Experimental and Theoretical Analysis of Collective Dynamics in Swarming Systems.	National Science Foundation	09/01/2009	08/31/2012	543,472
Landweber, Laura F	1286179	Grant	Collaborative Research: RNA-guided DNA recombination through assembly graphs	National Science Foundation	09/01/2009	08/31/2013	841,857
Grenfell, Bryan T	1286178	Grant	Synthesizing the Evolutionary and Ecological Dynamics of Acute RNA Viruses: Comparative Analyses and Method Development	National Institutes of Health	07/01/2009	02/29/2012	960,200
Landweber, Laura F	1286177	Grant	ARRA: Epigenetic Mechanisms for the Inheritance of Acquired Mutations	National Science Foundation	09/01/2009	08/31/2012	807,950
Altmann, Jeanne	1286175	Grant	Collaborative Research: Genes, Environment and Gene Expression in a Wild Primate Population.	National Science Foundation	09/15/2009	08/31/2012	163,653
Altmann, Jeanne	1286176						194,727
Andolfatto, Peter	1286174	Grant	Collaborative Research: Genetic and Divergence Mapping of Barriers to Gene Flow Across a Butterfly Hybrid Zone	National Science Foundation	06/01/2009	08/31/2011	215,625
Landweber, Laura F	1286173	Grant	Understanding Complex Gene Editing Systems in Protists	National Institutes of Health	07/02/2009	06/30/2013	1,418,722
Dobson, Andrew P	1284066	Grant	Allometry of Parasites and Foodwebs	James S. McDonnell Foundation	09/01/2009	09/01/2014	445,730
Landweber, Laura F Higgins, Brian P	1286172	Grant	Ruth L. Kirschstein NRSA Individual Fellowship	National Institutes of Health	06/01/2009	05/31/2011	101,800
Levin, Simon A Fortuna , Dr. Miguel A.	1284065	Contract	Marie Curie Fellowship: MetaWebs--Unifying Ecological and Evolutionary Networks	Consejo Superior de Investigaciones Cientificas	05/01/2009	04/30/2011	14,402

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Ecology and Evolutionary Biology (2)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Hedin, Lars O Stanton, Daniel E	1286171	Grant	Dissertation Research: Morphology and Plant-Soil Feedbacks in Foggy Environments	National Science Foundation	05/01/2009	04/30/2011	14,124
Altmann, Jeanne Markham, Ann C	1286170	Grant	Doctoral Dissertation Improvement: Dynamic Habitat Partitioning Among Savannah Baboon Social Groups - The Role of Group-Level Social Dominance Hierarc....	National Science Foundation	04/01/2009	03/31/2012	14,970
Altmann, Jeanne Onyango, Patrick O	1286169	Grant	Doctoral Dissertation Improvement: Balancing offspring production and care: Behavioral and endocrine correlates in male baboons	National Science Foundation	05/01/2009	04/30/2011	6,355
Stern, David L Frankel, Nicolas	1284063	Grant	Pew Fellowship in Biomedical Sciences, Latin America Program	The Pew Charitable Trusts	07/01/2008	06/30/2012	95,063
Levin, Simon A	1284064	Grant	Dynamics Of South African Vegetation	The Andrew W. Mellon Foundation	10/01/2008	09/30/2012	295,822
Stern, David L Erezyilmaz, Deniz F	1286167	Grant	NRSA: Ruth L. Kirschstein National Research Service Award	National Institutes of Health	09/01/2008	08/31/2010	104,632
Wikelski, Martin C	1286166	Grant	The Nature of the True Navigation Map of Migratory Songbirds	National Science Foundation	07/15/2008	06/30/2011	262,134
Couzin, Iain D	1284061	Grant	Collective motion and decision-making in animal groups	Searle Scholars Program	07/01/2008	06/30/2011	300,000
Hedin, Lars O	1284060	Grant	Interactions of Nutrients, Rainfall and Grazing in Savanna Ecosystems: a Large-scale Experiment in Kruger National Park	The Andrew W. Mellon Foundation	03/01/2008	08/31/2011	288,280
Rubenstein, Daniel I	1286163	Grant	III-CXT: Collaborative Research: Computational Methods for Understanding Social Interactions in Animal Populations	National Science Foundation	08/01/2007	07/31/2011	358,199
Dobson, Andrew P	1286160	Grant	Community Dynamics of an Emergent Pathogen: Intrinsic Versus Extrinsic Mechanisms	Cornell University	10/01/2006	09/30/2011	41,501
Dobson, Andrew P	1286168						340,003
Stern, David L	1286159	Grant	Parallel developmental evolution of shaven-baby in Drosophila	National Science Foundation	08/01/2007	07/31/2011	431,244
Stern, David L	1286161						21,625
Stern, David L	1286158	Grant	The Molecular Basis of Morphological Evolution	National Institutes of Health	04/01/2007	03/31/2011	1,174,828
Rubenstein, Daniel I Georgiadis, Nicholas J	1286157	Grant	FSML: Improvement in Facilities, Site Access and Data Management at Mpala Research Centre. Kenya.	National Science Foundation	02/01/2007	01/31/2011	108,300
Landweber, Laura F	1286154	Grant	Molecular Computation in Ciliates	National Science Foundation	09/01/2006	08/31/2010	900,000
Landweber, Laura F	1286165						18,000
Wikelski, Martin C	1286150	Grant	Collaborative Research: Monitoring Stress and Survival in Galapagos Marine Iguanas	National Science Foundation	04/01/2006	03/31/2012	226,684
Dobson, Andrew P	1286147	Grant	Collaborative Research: Predicting the Effects of Environmental Change and Host Diversity on the Dynamics of Insect-Vectored Generalist Pathogens	National Science Foundation	09/01/2005	08/31/2011	440,732
Stern, David L	1284046	Grant	Packard Fellowships for Science and Engineering	The David and Lucile Packard Foundation	09/01/2003	10/31/2010	625,000
Rubenstein, Daniel I	1284009	Grant	Petrie Fellowship	Frederick D. Petrie	07/01/1989	06/30/2015	718,387

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

Contributions Made to Other Units :

Lewis-Sigler Institute for Integrative Genomics

Leonid Kruglyak

Peter Andolfatto

Mechanical & Aerospace Engineering

Iain D Couzin

Office of Population Research

Bryan T Grenfell

Princeton Environmental Institute (PEI)

Lars O Hedin

Simon A Levin

Stephen W Pacala

Woodrow Wilson School

David S Wilcove

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Economics

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Honore, Bo E	1406173	Grant	Specification and Estimation of Econometric Duration Models	National Science Foundation	07/01/2010	09/30/2013	198,393
Sannikov, Yuliy V	1404123	Grant	Alfred P. Sloan Fellowship for Professor Yuliy Sannikov	Alfred P. Sloan Foundation	09/15/2010	09/15/2012	50,000
Kiyotaki, Nobuhiro	1406172	Grant	Liquidity, the Aggregate Economy and Public Policy	National Science Foundation	07/01/2010	06/30/2013	184,869
Abreu, Dilip J	1406171	Grant	Collaborative Research: Reputational Bargaining with Two-Sided Asymmetric Information About Fundamentals	National Science Foundation	09/15/2009	08/31/2012	160,758
Morris, Stephen E	1406170	Grant	Collaborative Research: Robust Predictions In Games With Private Information	National Science Foundation	04/15/2009	03/31/2012	233,332
Hong, Harrison	1406169	Grant	Values and Finance: A Study of Socially Responsible Investing	National Science Foundation	07/01/2009	06/30/2012	171,908
Ait-Sahalia, Yacine	1406168	Grant	Specification Analysis of Continuous-Time Models	National Science Foundation	07/01/2009	06/30/2013	232,283
Gul, Faruk R	1406166	Grant	A Theory of Measurable Ambiguity	National Science Foundation	08/01/2008	07/31/2012	264,459
Pesendorfer, Wolfgang							
Mueller, Ulrich K	1404120	Grant	Sloan Research Fellowship	Alfred P. Sloan Foundation	09/16/2008	09/15/2012	50,000
Abreu, Dilip J	1406164	Grant	Collaborative Research: Bargaining and Reputation in Stochastic Games	National Science Foundation	06/01/2008	05/31/2011	57,765
Mueller, Ulrich K	1406163	Grant	Efficient Tests in the Presence of Nuisance Parameters under the Null Hypothesis	National Science Foundation	07/01/2008	06/30/2012	161,792
Honore, Bo E	1406162	Grant	Issues in estimation of dynamic panel data and duration models	National Science Foundation	08/15/2007	07/31/2011	228,089
Sims, Christopher A	1406160	Grant	Theory and Inference for Macroeconomic Policy	National Science Foundation	08/15/2007	07/31/2011	156,989
Scheinkman, Jose A	1406159	Grant	Long Run Risk	National Science Foundation	08/15/2007	07/31/2011	156,989
Battaglini, Marco	1404118	Grant	Sloan Fellowship	Alfred P. Sloan Foundation	09/16/2006	09/15/2010	45,000
Battaglini, Marco	1406157	Grant	Career: A Legislative Theory of Public Spending, Debt, and Taxation	National Science Foundation	07/01/2006	06/30/2012	400,362

Contributions Made to Other Units :

Electrical Engineering

Christopher A Sims

Office of Population Research (WWS)

Anne C. Case

Janet M Currie

Taryn L Dinkelman

Alan B Krueger

David S Lee

Christina H Paxson

Thomas J Trussell

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

ACTIVE SPONSORED PROJECTS7/1/2010 - 6/30/2011

Contributions Made to Other Units (cont) :

Woodrow Wilson School

Anne C. Case

Angus S Deaton

Alan B Krueger

David S Lee

Stephen J Redding

Taryn L Dinkelman

David S Lee

Alexandre Mas

Stephen J Redding

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Electrical Engineering

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Poor, Harold V Chorti, Ersi	1704312	Grant	Marie Curie Outgoing Fellowship-Ersi Chorti	Foundation for Research and Technology-Hellas (FORTH)	05/01/2011	11/30/2013	16,469
Chiang, Mung	1704311	Contract	4 Billion Plus 42 Nodes Intelligent Overlay of Internet Capacity by Satellites	SES Engineering	04/01/2011	03/31/2013	233,000
Chiang, Mung	1706610	Contract	DARPA BLADE: Learning and Jamming	Lockheed Martin Corporation	02/15/2011	03/31/2012	250,000
Malik, Sharad	1706609	Contract	Configuration Space Randomization	Telcordia Technologies, Inc.	02/25/2011	11/01/2012	94,212
Chiang, Mung Poor, Harold V Shapiro, Jacob N	1706606	Grant	Measuring, Understanding, and Responding to Covert Social Networks: Passive and Active Tomography	Harvard University	11/23/2010	11/22/2013	191,093
Poor, Harold V Chiang, Mung Shapiro, Jacob N	1706607						191,093
Shapiro, Jacob N Chiang, Mung Poor, Harold V	1706608						191,092
Poor, Harold V	1704310	Contract	Research Agreement: University of Houston	University of Houston	12/01/2010	11/30/2011	35,420
Verdu, Sergio Bialek, William Kulkarni, Sanjeev R Sims, Christopher A	1706600	Cooperative Agreement	Emerging Frontiers of Science of Information	Purdue University	08/01/2010	10/31/2015	2,518,750
Kulkarni, Sanjeev R Verdu, Sergio	1706601						243,750
Bialek, William Verdu, Sergio	1706602						243,750
Sims, Christopher A Verdu, Sergio	1706603						243,750
Wysocki, Gerard	1706599	Grant	Mid-IR LIDAR for detection of volatile organic compounds	Princeton Technology Advisers Company, Inc.	08/26/2010	01/31/2012	63,000
Lyon, Stephen A Houck, Andrew A	1704309	Contract	Princeton Quantum Engineering Group	The MITRE Corporation	09/01/2010	08/31/2011	30,000
Chiang, Mung	1706598	Contract	STTR Phase I: Multi-Scale, Multi-Resolution Network Information Flow Monitoring and Understanding	IAI Intelligent Automation, Inc.	07/15/2010	04/14/2011	33,000
Poor, Harold V Sankar, Lalitha	1706597	Grant	CIF: Small: Privacy and Utility of Databases:An Information-Theoretic Approach	National Science Foundation	09/01/2010	08/31/2013	333,493
Calderbank, Robert	1706596	Grant	CIF:Small: Collaborative Research: Compressed Sensing for High-Resolution Image Inversion	National Science Foundation	09/01/2010	08/31/2013	166,667
Verdu, Sergio	1706595	Grant	CIF:Small:Non-asymptotic Information Theory	National Science Foundation	08/01/2010	07/31/2013	500,000

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Electrical Engineering (2)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Wysocki, Gerard	1704308	Contract	Development of a platform for efficient testing of QCL gain chips in external cavity configuration	Corning Incorporated	06/01/2010	11/30/2010	77,620
Chiang, Mung	1706593	Grant	NeTS: Large: Collaborative Research: Architecting Manageable Interference for Next-Generation Wireless Networks	National Science Foundation	07/01/2010	06/30/2015	530,000
Calderbank, Robert							
Calderbank, Robert	1706594						40,000
Chiang, Mung							
Wysocki, Gerard	1706591	Grant	Laser spectroscopic instrumentation for isotopic sensing of biogenic Nitric Oxide	National Institutes of Health	07/01/2010	06/30/2013	569,460
Jha, Niraj K	1704307	Contract	Robust Power-optimized FinFET Circuit Design	Semiconductor Research	08/01/2010	07/31/2013	300,000
Shayegan, Mansour	1706589	Grant	Ballistic Transport in 2D Carrier Systems: Role of Spin and Valley Degrees of Freedom	National Science Foundation	06/15/2010	05/31/2013	360,000
Kulkarni, Sanjeev R	1704306	Contract	Routing as a Distributed Learning Problem	Deutsche Telekom AG	07/01/2010	06/30/2014	346,431
Poor, Harold V	1704305	Contract	Cognitive Communication Channels: Detection, Medium Access, Cooperation, and Secrecy	Qatar University	09/01/2009	08/30/2012	183,750
Kahn, Antoine	1706588	Grant	Physics and Applications of Doping in Molecular and Polymer Semiconductor Films	National Science Foundation	07/01/2010	06/30/2013	369,842
Wysocki, Gerard	1706587	Grant	Development of Integrated Environmental Carcinogen Exposure Monitor and Metabolic Biomarker Wearable Medical Device- Stephen So-Fellow	National Institutes of Health	05/15/2010	05/14/2011	50,474
So, Stephen G							
Sturm, James C	1706586	Cooperative Agreement	Kevin Chou Fellowship Application to Summer Undergraduate Research Fellowship (SURF) - NIST Boulder	NIST Boulder Laboratories	05/01/2010	09/30/2010	8,000
Chou, Kevin S							
Schwartz, Stuart C	1706585	Contract	Signal Processing Algorithms for Very Accurate Geolocation in the Presence of Multipath	Battelle - Chapel Hill Operations	03/26/2010	10/25/2011	746,000
Fleischer, Jason W	1706584	Grant	Dynamical Imaging Using Spatial Nonlinearity	Air Force Office of Scientific Research	05/01/2010	04/30/2013	450,000
Poor, Harold V	1704304	Contract	Marie Curie Fellowship - Ninoslav Marina	Ecole Polytechnique Federale de Lausanne	12/01/2009	11/30/2012	12,796
Marina, Ninoslav							
Poor, Harold V	1706583	Grant	Modeling of Networks Under Attack Based on Biological Wound Healing Process	Texas Engineering Experiment Station	04/01/2010	01/17/2012	150,000
Verma, Naveen	1706582	Contract	Miniaturized Digital EVA Radio	Bennett Aerospace, LLC	02/01/2010	07/29/2010	25,000
Calderbank, Robert	1704303	Grant	Princeton Quantum Engineering Group	The MITRE Corporation	09/01/2009	09/30/2010	15,054
Houck, Andrew A							
Lyon, Stephen A							
Wysocki, Gerard	1706581	Grant	CAREER: Coherent Mid-infrared Molecular Dispersion Spectroscopy for Ultra-sensitive Chemical Detection	National Science Foundation	02/01/2009	01/31/2015	405,843
Chou, Stephen Y	1706578	Grant	Nanophotonic Structures by 3D DNA Self-Assembly	Arizona State University	08/09/2009	08/08/2013	320,000
Kahn, Antoine	1706577	Grant	ARRA: Proposal to Establish an Energy Frontier Research Center (EFRC) - Center for Interface Science: Hybrid Solar Electric Materials	University of Arizona	08/01/2009	07/31/2014	620,875

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Electrical Engineering (3)

ACTIVE SPONSORED PROJECTS7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Malik, Sharad Li, Kai Martonosi, Margaret R Peh, Li-Shiuan Verma, Naveen	1704278	Contract	Combined Center Budget: The GigaScale Systems Research Center (GSRC)	Microelectronics Advanced Research Corporation	11/01/2009	10/31/2012	7,138,897
Malik, Sharad	1704279						319,416
Malik, Sharad	1704280						539,010
Martonosi, Margaret	1704281						385,000
Verma, Naveen	1704282						200,000
Li, Kai	1704283						235,000
August, David I	1704284						100,000
Malik, Sharad	1704285						340,250
Malik, Sharad	1704286						345,250
Malik, Sharad	1704287						250,250
Malik, Sharad	1704288						165,250
Malik, Sharad	1704289						265,250
Malik, Sharad	1704290						1,005,250
Malik, Sharad	1704291						1,470,187
Malik, Sharad	1704292						315,250
Malik, Sharad	1704293						205,250
Malik, Sharad	1704294						355,250
Malik, Sharad	1704295						1,675,250
Malik, Sharad	1704296						215,250
Malik, Sharad	1704297						1,465,250
Malik, Sharad	1704298						215,250
Chiang, Mung Poor, Harold V Salganik, Matthew J Shapiro, Jacob N	1706572	Grant	NetSE: Medium: Robust Socio-Technological Networks: An Inter-disciplinary Approach to Theoretical Foundation and Experimentation	National Science Foundation	10/01/2009	09/30/2013	275,000
Poor, Harold V	1706573						275,000
Salganik, Matthew J	1706574						275,000
Shapiro, Jacob N	1706575						275,000
Chiang, Mung Poor, Harold V Salganik, Matthew J Shapiro, Jacob N	1706590						7,950

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Electrical Engineering (4)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Poor, Harold V	1706570	Grant	ARRA-NeTS:Medium: Collaborative Research:Cooperative beamforming for efficient and secure wireless communication	National Science Foundation	09/01/2009	08/31/2012	175,000
Bhatt, Ravindra N Haldane, Frederick D	1706569	Grant	Design Principles for Quantum Hall States	DOE - Germantown	09/01/2009	08/31/2012	1,301,186
Haldane, Frederick D	1706571						123,814
Lee, Ruby B	1706567	Grant	SHF:Small:Rethinking Computer Architecture for Secure and Resilient Systems	National Science Foundation	09/01/2009	08/31/2012	400,000
Chiang, Mung	1706566	Grant	II-NEW: Advancing Access and Home Networking Research in NEULab	National Science Foundation	09/01/2009	08/31/2012	304,500
Wysocki, Gerard	1706565	Grant	Development of Open-Access PHOTonic Networked Sensors (PHOTONS)	Rice University	07/15/2009	08/31/2011	175,000
Martonosi, Margaret R	1706564	Grant	CSR:Small:Collaborative Research:System Support for Managing Carbon Footprints and Electricity Costs in Internet Services	National Science Foundation	09/01/2009	08/31/2012	167,000
Martonosi, Margaret R	1706561	Grant	SHF:Small:SISA: A System-Level ISA for Power-Performance Management in CMPs	National Science Foundation	08/01/2009	07/31/2012	450,000
Jha, Niraj K	1706560	Grant	ARRA: CSR:Small: Preventing the Exploitation of Software Vulnerabilities and Execution of Malicious Software on Embedded Systems	National Science Foundation	09/01/2009	08/31/2012	499,807
Calderbank, Robert	1706559	Grant	ARRA: CIF:Small:Collaborative Research: Signal Design for Low-Complexity Active Sensing	National Science Foundation	07/01/2009	06/30/2012	160,000
Chou, Stephen Y	1706558	Grant	Nanofabrication Based on Guided Self-Assembly of DNA Using Multidisciplinary Hybrid Technologies	New York University	11/01/2008	11/01/2011	229,874
Houck, Andrew A	1704277	Grant	Quantum Optics with Electrical Circuits	Alfred P. Sloan Foundation	09/16/2009	09/15/2011	50,000
Chou, Stephen Y	1706555	Grant	The 8th International Conference on Nanoimprint and Nanoprint Technology	Office of Naval Research	04/01/2009	08/31/2010	8,000
Chiang, Mung	1706556	Grant	A Wireless Network Testbed for Stochastic Network Optimization	Office of Naval Research	04/15/2009	10/01/2010	228,240
Chiang, Mung	1704276	Contract	Multimedia Sharing of Heterogeneous Networks	Qualcomm Inc.	04/06/2009	04/05/2012	60,000
Chiang, Mung	1706553	Grant	Distributed Scheduling in MANET: Tackling the Challenges of Dimensionality, Non-convexity, and Stochastic Dynamics	Air Force Office of Scientific Research	03/01/2009	11/30/2011	300,000
Fleischer, Jason W	1706554	Grant	Correlated Dynamics in Quantum and Optical Fluids	Air Force Office of Scientific Research	02/01/2009	11/30/2011	375,000
Poor, Harold V	1706552	Grant	Cooperative MIMO Radar	Office of Naval Research	01/01/2009	12/31/2011	899,997
Poor, Harold V	1706551	Grant	Complex Network Information Exchange In Random Wireless Environments	Stanford University	09/30/2008	09/30/2011	180,000
Kahn, Antoine	1704275	Contract	Electronic Structure of Organic Semiconductors, and Doping and Interfacial Properties	Solvay S.A.	01/01/2009	12/31/2011	580,000
Chiang, Mung	1706550	Grant	Distributed Scheduling in MANET	Office of Naval Research	01/01/2009	09/30/2014	1,000,000

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Electrical Engineering (5)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Malik, Sharad	1704274	Contract	Microarchitectural Design using PriM: A Collaboration with Intel Corp	Intel Corporation	12/01/2008	11/30/2011	150,000
Chou, Stephen Y	1706549	Grant	Nanogap Detector (Arrays) Inside Nanofluidic Channel for Fast Real-Time DNA Sequencing	National Institutes of Health	08/19/2008	05/31/2012	919,137
Fleischer, Jason W	1706547	Grant	Kinetic Instabilities and Turbulence in Photonic Plasma	DOE - Germantown	08/01/2008	04/30/2012	495,000
Kahn, Antoine	1704272	Other	The Electronic Structure of Organic Molecular Semiconductors and their Interfaces	Mitsubishi Chemical Group Science and Technology	08/01/2008	07/31/2010	117,611
Chou, Stephen Y	1706546	Grant	Cutting, Selecting, and Transfer-Printing Technology for Graphene-on-Demand over Entire Wafers and FET Applications	National Science Foundation	08/01/2008	07/31/2012	280,000
Malik, Sharad	1704270	Contract	Addressing Validation and Robustness through Architecture/Micro-Architecture Level Design	Semiconductor Research Corporation	07/01/2008	11/30/2011	330,000
Tsui, Daniel C	1706540	Grant	Experiments on the role of disorder in the quantum phases and phase transitions of two-dimensional electrons	National Science Foundation	05/15/2008	04/30/2011	371,630
Chou, Stephen Y	1706539	Grant	Design and Fabrication of Large-Enhancement-Factor, Large-Area SERS Nanostructures	Air Force Office of Scientific Research	05/01/2008	04/30/2012	1,370,000
Scully, Marlan O	1706563						10,000
Jha, Niraj K	1704267	Contract	Token Flow Control: Towards an Ideal On-chip Interconnection Fabric for Multi-core Systems	Semiconductor Research Corporation	04/01/2008	06/30/2011	150,000
Peh, Li-Shiuan	1704268						150,000
Fleischer, Jason W	1704266	Grant	Fluid Dynamics of Light and Bose-Einstein Condensates: Theory and Experiment on Tunneling, Shock Waves, Vortices	U.S.-Israel Binational Science Fdn.	10/01/2007	09/30/2011	33,000
Chiang, Mung	1706532	Grant	Collaborative Research: FIND Towards an Analytic Foundation for Network Architectures	National Science Foundation	09/01/2007	08/31/2010	210,000
Rexford, Jennifer L							
Rexford, Jennifer L	1706533						210,000
Chiang, Mung							
Verdu, Sergio	1706531	Grant	Collaborative Research: TF: Information Theory of Channels with Missing Observations	National Science Foundation	09/15/2007	08/31/2010	141,500
Kahn, Antoine	1704265	Grant	Electronic Transport Across Molecules: Understanding the Roles of Molecule/Electrode Interactions	U.S.-Israel Binational Science Fdn.	10/01/2007	09/30/2011	92,250
Lyon, Stephen A	3396149	Grant	REVISED BUDGET #2: Electron Spins on Liquid Helium for Quantum Computing	National Science Foundation	09/01/2007	08/31/2010	350,000
Martonosi, Margaret R	1706530	Grant	Collaborative Research: CSR---EHS: Cross-System Modeling and Management for Variation-Adaptive Computing	National Science Foundation	08/01/2007	07/31/2010	100,000
Jha, Niraj K	1706529	Grant	CSR---EHS: Non-volatile Carbon Nanotube RAM based FPGA Architectures	National Science Foundation	08/01/2007	07/31/2011	300,000
Jha, Niraj K	1706528	Grant	CSR---EHS:Hardware/Software Architectures for Secure Embedded Systems	National Science Foundation	08/01/2007	07/31/2011	406,875
Malik, Sharad	1706527	Contract	Title: ConfigAssure: Dynamic System Configuration Assurance For National Intelligence Community Cyber Infrastructure	Telcordia Technologies, Inc.	06/13/2007	08/17/2010	135,000

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Electrical Engineering (6)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Chou, Stephen Y	1706526	Grant	Tunable, UV-Wavelength, Nanophotonic Structures, Lasers and Detectors	National Science Foundation	09/01/2007	08/31/2012	300,000
Chou, Stephen Y	1706525	Grant	Development of Large-Area Sub-20-nm Half-Pitch Nanoimprint Templates For Nanomanufacturing	National Science Foundation	10/01/2007	09/30/2011	280,000
Kulkarni, Sanjeev R	1706523	Grant	Distributed Learning and Pattern Recognition for Terrain Modeling and Analysis	University of South Carolina	05/01/2007	01/31/2012	309,167
Kahn, Antoine	1706520	Grant	Fundamentals and Applications of Organic Interfaces	National Science Foundation	07/01/2007	06/30/2011	415,525
Chiang, Mung	1706518	Grant	Towards An Analytic Foundation For Network Architectures	Office of Naval Research	04/06/2007	09/30/2010	300,000
Kulkarni, Sanjeev R	1706512	Grant	Distributed Learning and Pattern Recognition for Active and Passive Sonar	Office of Naval Research	01/25/2007	09/30/2010	240,700
Kulkarni, Sanjeev R	1706580						65,000
Peh, Li-Shiuan	1704259	Grant	Network-Driven Computing	Alfred P. Sloan Foundation	09/16/2006	09/15/2010	45,000
Verdu, Sergio	1706505	Grant	Reliable Communication with Feedback: Coding Schemes and Fundamental Limits	National Science Foundation	10/01/2006	09/30/2010	350,000
Poor, Harold V	1706500	Grant	Collaborative Research: NeTS-ProWin: CHARIoT: A Cooperative, Hybrid wireless ARchitecture for the next generation Internet	National Science Foundation	09/01/2006	08/31/2010	360,000
Poor, Harold V	1706542						6,000
Martonosi, Margaret R	1706492	Grant	CSR-EHS: A Space and Resource Aware Computing Architecture for Dynamic Networks	National Science Foundation	07/01/2006	06/30/2011	235,000
Peh, Li-Shiuan							
Martonosi, Margaret R	1706498						235,000
Lee, Ruby B	1704253	Grant	Security Aware Multicore Architecture	Intel Corporation	06/01/2006	05/31/2012	90,000
Peh, Li-Shiuan	1704252	Contract	Title: Energy-efficient Network Architectures for On-die Interconnects	Intel Corporation	09/01/2006	08/31/2012	82,500
Jha, Niraj K							
Jha, Niraj K	1704254						82,500
Peh, Li-Shiuan							
Fleischer, Jason W	1706491	Grant	Nonlinear Dynamics of Partially-coherent Waves: Experimental and Theoretical Studies in Statistical Light	National Science Foundation	09/01/2006	08/31/2010	343,605
Martonosi, Margaret R	1706471	Grant	CSR-EHS: A Flow-Based Computer System Architecture for Synergistic Hardware-Software Management of Embedded Systems	National Science Foundation	09/01/2005	08/31/2010	168,429
August, David I							
Li, Kai							
Martonosi, Margaret R	1706475						110,870
August, David I							
Li, Kai							
Li, Kai	1706476						220,701
August, David I							
Martonosi, Margaret R							

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Electrical Engineering (7)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Chiang, Mung	1706456	Grant	CAREER: From Shannon To TCP: Theories, Algorithms, and Applications of Nonlinear Optimization in Communication Systems	National Science Foundation	01/01/2005	12/31/2010	399,906
Kahn, Antoine	1706455	Grant	Interfaces of Polymer Electronic Devices	DOE - Germantown	09/01/2004	04/30/2012	2,700,267
Verdu, Sergio	1704181	Cooperative Agreement	ARL Collaborative Technology: Alliance on Communications and Networks!	Telcordia Technologies, Inc.	05/31/2001	09/30/2011	1,743,701
Verdu, Sergio	1704183						759,513
Martonosi, Margaret R	1704142	Contract	Power-Aware Organization Trade Offs in High-Performance Processors	Intel Corporation	12/10/1999	12/09/2010	296,250
Kobayashi, Hisashi	1704141	Other	Algorithms Applications Implementation of Next Generation Wireless Systems	Mitsubishi Electric Info Tech Center America	07/01/1999	10/31/2013	620,968
Kung, Sun-Yuan							
Kung, Sun-Yuan	1704260						100,000
Kobayashi, Hisashi							
Kung, Sun-Yuan	1704116	Contract	A MEITCA Project on Object-Oriented Video Segmentation for MPEG4 Applications	Mitsubishi Electric Info Tech Center America	07/01/1996	06/30/2014	360,000
Tsui, Daniel C	1706346	Grant	Transport Experiments on 2D Correlated Electron Physics in Semiconductors	DOE - Chicago	02/15/1998	02/14/2013	1,732,935
Tsui, Daniel C	1706592						330,000

Contributions Made to Other Units :

Applied and Computational Math

Mung Chiang

Harold V Poor

Computer Science

Mung Chiang

Molecular Biology

Ron Weiss

Physics

Mansour Shayegan

Princeton Neuroscience Institute (PNI)

Peter J Ramadge

PRISM

Ravindra N Bhatt

Stephen Y Chou

Claire F Gmachl

Andrew Houck

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

Contributions Made to Other Units (cont.) :

PRISM (cont)

Niraji K Jha

Antoine Kahn

Stephen A Lyon

Paul R Prucnal

Mansour Shayegan

James C Sturm

Daniel C Tsui

Hakan E Tureci

Naveen Verma

Sigurd Wagner

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

ACTIVE SPONSORED PROJECTS7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Fleming, John V	1904006	Grant	Mellon Emeritus Faculty Fellowship	The Andrew W. Mellon Foundation	10/01/2009	09/30/2011	45,026

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Geosciences

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Duffy, Thomas S	1956572	Subcontract	Development of a New Materials Platform to Study Iron and Diamond at Ultrahigh Pressures Using NIF	Lawrence Livermore National Laboratory	06/30/2011	09/30/2012	70,000
Rubin, Allan M	1956569	Grant	A (Mostly) Observational Study of Microearthquakes on a Bimaterial Interface	National Science Foundation	06/01/2011	05/31/2013	188,524
Sigman, Daniel M	1956568	Grant	Understanding the Nitrogen Isotopes of Planktonic Foraminifera: A Modern Sargasso Sea Study	National Science Foundation	04/01/2011	03/31/2014	619,900
Tromp, Jeroen	1956567	Grant	G8 Initiative: Modeling Earthquakes and Earth's Interior Based upon Exascale Simulations of Seismic Wave Propagation	National Science Foundation	03/01/2011	02/28/2014	499,796
Duffy, Thomas S	1956566	Grant	Ramp Compression Experiments for Studying Equations of State, Phase Transformations, and Kinetics on Omega:	DOE - National Nuclear Security Administration	02/02/2011	02/01/2013	166,850
Rubin, Allan M	1956565	Grant	Directivity of Microearthquakes on a Bimaterial Interface	U.S. Geological Survey	02/01/2011	01/31/2012	74,981
Sigman, Daniel M	1956564	Grant	Collaborative Research: Isotopic and Compositional Investigation of the Sources and Interactions of Reactive N in the Marine Atmosphere at Bermuda	National Science Foundation	12/15/2010	11/30/2013	389,830
Tromp, Jeroen	1956563	Grant	Iterative Inversions of Sunspot and Supergranular Subsurface Structure	NASA Headquarters - Washington	12/01/2010	11/30/2013	583,276
Sigman, Daniel M	1956562	Grant	Direct Measurement of Dissolved Organic Nitrogen Concentration and 15N/14N Ratio	University of Miami	10/01/2009	09/30/2012	99,680
Onstott, Tullis C	1954094	Grant	New Horizons for International Investigations into Carbon Cycling in the Deep Crustal Biosphere	Carnegie Institution	01/01/2011	06/30/2011	50,000
Onstott, Tullis C	1956561	Grant	Radiochemically-Supported Microbial Communities: A Potential Mechanism for Biocolloid Production of Importance to Actinide Transport	Desert Research Institute	07/01/2010	06/30/2013	121,570
Myneni, Satish C	1956560	Grant	Role of Sulfhydryl Sites on Bacterial Cell Walls in the Biosorption, Mobility and Bioavailability of Mercury	DOE - Washington	09/10/2010	09/14/2013	772,955
Ward, Bess B Bowen, Jennifer L	1956558	Grant	Environmental Control of Microbial N2O Fluxes and DIN Loss in Salt Marsh Sediments	National Science Foundation	09/15/2010	08/31/2013	599,082
Onstott, Tullis C	1956556	Grant	Collaborative Research: ETBC: The Deep Crustal Biosphere: Microbial Cycling of Carbon	National Science Foundation	10/01/2010	09/30/2013	343,063
Onstott, Tullis C	1956557						123,421
Ward, Bess B Jayakumar, Amal	1956559	Grant	Collaborative Research: Control of Denitrification and Anammox in the Oxygen Deficient Waters of the Eastern Tropical North and South Pacific	National Science Foundation	09/15/2010	08/31/2013	637,101
Morel, Francois Bender, Michael L	1956555	Grant	Collaborative Research: Ocean Acidification - Category 1: Effects of pCO2 and pH on Photosynthesis, respiration, and growth in marine phytoplankton	National Science Foundation	09/01/2010	08/31/2014	1,390,493
Duffy, Thomas S	1956553	Grant	X-ray DAC Facilities at the NSLS	University of Illinois at Urbana-Champaign	06/01/2010	05/31/2012	42,000
Simons, Frederik J	1956551	Grant	Collaborative Research: Localized Analysis of Geophysical Signals Acquired by Satellites: Making the most of GRACE	National Science Foundation	08/15/2010	07/31/2012	179,904

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Geosciences (2)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Tromp, Jeroen	1956549	Grant	Imaging Reflectors in the Southern California Crust	University of Southern California	02/01/2010	01/31/2012	27,000
Rubin, Allan M	1956550	Grant	Rupture directivity of microearthquakes on a bimaterial interface	University of Southern California	02/01/2010	01/31/2012	54,000
Onstott, Tullis C	1956548	Grant	The Impact of Global Warming on the Carbon Cycle of Arctic Permafrost: An Experimental and Field Based Study	DOE - Germantown	07/15/2010	07/14/2012	1,935,255
Myneni, Satish C							
McQuarrie, Nadine	1956546	Grant	Collaborative Research: Australia down under: Quantification of rates and amount of continental subduction during Neogene arc-continent collision on T	National Science Foundation	05/01/2010	05/31/2013	292,747
McQuarrie, Nadine	1956547						164,457
Maloof, Adam C	1954092	Grant	Alfred P. Sloan Research Fellowship for Dr. Adam c. Maloof in Physics	Alfred P. Sloan Foundation	09/15/2010	09/15/2012	50,000
Ward, Bess B	1954091	Grant	PML Summer 2010	Plymouth Marine Laboratory	07/12/2010	08/20/2010	12,000
Schaefer, Jeffra K	1954090	Grant	Identification of Hot-spots for Methyl Mercury Production and Degradation after Forest Clear-cut -- A Multidisciplinary Approach to Lay a Basis for...	Swedish University of Agricultural Sciences	01/01/2010	12/31/2012	97,161
Sigman, Daniel M	1956545	Grant	Collaborative Research: GEOTRACES Atlantic Section Nitrate Isotope Measurements	National Science Foundation	05/01/2010	04/30/2012	270,643
Tromp, Jeroen	1954089	Grant	Seismic Imaging and Tomography based upon Spectral-Element and Adjoint Methods	Total E&P Recherche Developpement	01/01/2010	12/31/2012	621,007
Morel, Francois	1956544	Grant	Nitrogenase Metal Cofactors in Terrestrial Systems: Chemical Speciation and the Kinetic Versus Thermodynamic Controls on Metal Acquisition by Diazotro	National Science Foundation	02/01/2010	01/31/2012	6,000
Keller, Gerta	1956543	Grant	Investigating the Environmental and Biological Response to Deccan Volcanism	National Science Foundation	08/01/2010	07/31/2012	34,997
Morel, Francois	1954088	Grant	Iron Bioavailability to Phytoplankton: Do Different Taxa Share Similar Uptake Mechanisms?	Hebrew University of Jerusalem	01/01/2010	12/31/2013	4,150
Maloof, Adam C	1956542	Grant	Earth Sciences Postdoctoral Fellowship-Ryan Ewing	National Science Foundation	11/01/2009	10/31/2010	3,000
Sigman, Daniel M	1956541	Grant	MRI: Acquisition of Stable Isotope Instrumentation for the Biogeosciences at Princeton University	National Science Foundation	09/15/2009	08/31/2012	516,086
Ward, Bess B							
Keller, Gerta	1956540	Grant	ARRA: US-Egypt Coop. Climate Change and Biotic Effects during the Late Cretaceous of Egypt	National Science Foundation	10/01/2009	09/30/2012	63,833
Cassar, Nicolas	1956539	Grant	Method Development: Continuous Underway DIC, CO ₂ , and O ₂ /Ar measurements by membrane equilibrator dual inlet mass spectrometry (MEDIMS)	U.S. DOC - Natl Oceanic & Atmos Admin	08/01/2009	07/31/2012	441,970
Bender, Michael L							
Bender, Michael L	1956538	Grant	Net Community Production and the F-Ratio off the Western Antarctica Peninsula: Estimates from Measurements of O ₂ Properties and Satellite-Based Data	NASA Headquarters - Washington	09/01/2009	08/31/2011	60,000
McQuarrie, Nadine	1956535	Grant	Collaborative Research: CAUGHT: Central Andean Uplift and the Geodynamics of High Topography	National Science Foundation	07/01/2009	06/30/2013	265,065
Rubin, Allan M	1956536	Grant	ARRA: Theoretical Earthquake Nucleation, with Applications to Creep Fronts, Tremor, and Slow Slip	National Science Foundation	07/01/2009	06/30/2012	271,351

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Geosciences (3)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Bender, Michael L	1956534	Grant	Collaborative Research: Exploring A 2 Million + Year Ice Climate Archive - Allan Hills Blue Ice Area (2MBIA)	National Science Foundation	07/01/2009	06/30/2013	446,763
Morel, Francois	1956532	Grant	Postdoctoral Research Fellowship in Microbiology	National Science Foundation	04/01/2009	03/31/2012	15,000
Maloof, Adam C	1956530	Grant	Fluctuating Tidewater Glaciers, Chemical Weathering and Survival of Reef-Dwelling Organisms: The Marinoan Snowball, South Australia	National Science Foundation	04/01/2009	03/31/2012	87,371
Maloof, Adam C	1956533						115,628
Duffy, Thomas S	1956529	Grant	Ramp Compression Experiments for Measuring Structural Phase Transformation Kinetics on Omega	Washington State University	12/01/2008	11/30/2010	105,625
Morel, Francois	1956528	Subcontract	Specific Mechanisms of HG (II) Uptake and Methylation in Methylating Bacteria	UT-Battelle, LLC	12/15/2008	09/30/2011	229,084
Duffy, Thomas S	1956527	Grant	Aluminum- and Iron-rich Perovskites and Post-perovskites and Earth's Deep Lower Mantle	National Science Foundation	02/01/2009	01/31/2012	377,779
Onstott, Tullis C	1956526	Grant	COLLABORATIVE RESEARCH: DUSEL Experiment Development and Coordination	National Science Foundation	09/01/2008	08/31/2011	94,877
Tromp, Jeroen	1956525	Grant	Next Generation Waveform Based 3-D Model and Metrics to Improve Nuclear Explosion Monitoring in the Middle East	University of Rhode Island	07/01/2008	06/30/2011	437,036
Onstott, Tullis C	1956524	Grant	A CRDS for Isotopic Measurement of Martian CH4	NASA Headquarters - Washington	07/23/2008	07/22/2012	975,495
Tromp, Jeroen	1956523	Grant	Toward Seismic Tomography Based Upon Adjoint Methods	National Science Foundation	07/01/2008	06/30/2011	542,207
Morel, Francois	1956522	Grant	Effects of Ocean Acidification on Nutrient Availability and Requirements in Phytoplankton	National Science Foundation	08/15/2008	07/31/2013	1,095,993
Tromp, Jeroen	1956521	Grant	Adjoint Tomography of Southern California	University of Southern California	07/01/2008	01/31/2012	53,998
Duffy, Thomas S	1956518	Grant	Carnegie/Department of Energy Alliance Center: Structure, Strength, and Elasticity at Ultra High Pressures	Carnegie/DOE Alliance Center	03/01/2008	02/29/2012	0
Duffy, Thomas S	1956519						0
Duffy, Thomas S	1956520						392,858
Bender, Michael L	1956512	Grant	Primary Production & Net Community Production in the Southern Ocean: Integrating Results from Modeling, Remote Sensing, & Extensive Recent Observations	NASA Headquarters - Washington	01/01/2008	12/31/2011	787,966
McQuarrie, Nadine	1956510	Grant	Filling the Eastern Himalayan Gap: Structural Architecture and Kinematics of the Himalayan Orogen in Bhutan	National Science Foundation	01/01/2008	12/31/2011	320,209
McQuarrie, Nadine	1956514						49,206
Duffy, Thomas S	1956509	Grant	Elasticity of Mantle Minerals at High Pressures by Brillouin Scattering	National Science Foundation	02/01/2008	01/31/2012	374,719
Bender, Michael L	1956508	Grant	Collaborative Research: Dating and Paleoenvironmental Studies on Ancient Ice in the Dry Valleys, Antarctica	National Science Foundation	10/01/2007	09/30/2012	437,946

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Geosciences (4)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Bender, Michael L	1956507	Grant	Variations in the O2/N2 Ratio of Air: Implications for the Global Carbon Cycle	U.S. DOC - Natl Oceanic & Atmos Admin	08/01/2007	07/31/2010	338,381
Ward, Bess B Morel, Francois	1956503	Grant	En-Gen: Genome-Enabled Environmental Functional Genomics and Expression Profiling of Diatoms in the Ocean	National Science Foundation	09/01/2007	08/31/2011	1,046,219
Sigman, Daniel M	1956502	Grant	Collaborative Research: Non-local Bacterial Transport of Nitrate within Sediments Underlying Oxygen Deficient Zones: A New Twist in the N Cycle	National Science Foundation	10/01/2007	09/30/2011	109,464
Bender, Michael L	1956500	Grant	Variations in the O2/N2 Ratio of Air: Implications for the Global Carbon Cycle	National Science Foundation	07/01/2007	06/30/2011	336,137
Bender, Michael L Hiscock, Michael R	1956499	Grant	Cooperative Studies of Southern Ocean Biogeochemistry	National Science Foundation	07/01/2007	06/30/2011	676,544
Rubin, Allan M	1956498	Grant	An Observational Study of Microearthquakes on a Bimaterial Interface	National Science Foundation	07/01/2007	06/30/2012	248,000
Simons, Frederik J	1956497	Grant	Mechanical Anisotropy from Gravity/Topography Coherence: A Global Study	National Science Foundation	07/01/2007	06/30/2012	275,000
Malooof, Adam C	1956494	Grant	Collaborative Research:Calibrating Rates & Duration for Isotopic Variability During the Early Cambrian Radiation of Animals, Anti-Atlas Mts., Morocco	National Science Foundation	04/01/2007	03/31/2012	136,388
Malooof, Adam C	1956495						33,612
Ward, Bess B	1956493	Grant	Collaborative Research: Anammox and Denitrification in the Oxygen Deficient Zone of the Arabian Sea	National Science Foundation	09/01/2007	08/31/2011	384,803
Bender, Michael L	1956489	Grant	Studies of Net and Gross Production in the Southern Ocean: Controls and Scaling.	NASA Headquarters - Washington	07/13/2006	07/31/2011	435,000
Bender, Michael L	1956515						39,725
Sigman, Daniel M	1956488	Grant	Collaborative Proposal: BEST: Nitrogen Supply for New Production and its Relation to Climatic Conditions on the Eastern Bering Sea Shelf	National Science Foundation	08/15/2006	07/31/2011	466,135
Myneni, Satish C	1956486	Grant	Chemical and Microbial Interactions at Environmental Interfaces	Stanford University	09/01/2005	08/31/2010	494,550
Malooof, Adam C	1956481	Grant	An Integrated Paleomagnetic, Isotopic, and Stratigraphic Test of the Inertial Interchange True Polar Wander Hypothesis, Bitter Springs Stage,Australia	National Science Foundation	09/01/2005	08/31/2010	150,418
Malooof, Adam C	1956482						89,577
Ward, Bess B Allen, Andrew E	1956479	Grant	Postdoctoral Research Fellowship in Microbial Biology	National Science Foundation	01/01/2004	12/31/2010	10,000
Sigman, Daniel M	1956475	Grant	CAREER: Nitrate Isotopes and Biogeochemistry: A Plan for Coupling Graduate and Undergraduate Research.	National Science Foundation	09/01/2005	08/31/2011	731,268

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Geosciences (5)

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Onstott, Tullis C	1954073	Cooperative Agreement	NASA Astrobiology Institute: Detection of Biosustainable Energy and Nutrient Cycling in the Deep-subsurface of Earth and Mars	Indiana University	11/01/2003	10/31/2010	1,019,964
Onstott, Tullis C	1954074						37,071
Nolet, Guust	1956463	Grant	Finite-frequency Tomography of the Earth's Mantle	National Science Foundation	08/15/2003	07/31/2010	650,000
Keller, Gerta	1956457	Grant	Chixulub Scientific Drilling Project: Age and Environmental Consequenced of the Chicxulub Impact Event	National Science Foundation	09/01/2002	08/31/2010	165,011
Keller, Gerta	1956501						7,304

Contributions Made to Other Units :

Applied and Computational Mathematics

Jeroen Tromp

Atmospheric & Oceanic Sciences

Anand Gnanadesikan

Isaac M Held

Sonya A Legg

David M Medvigy

Samuel G Philander

Venkatachalam Ramaswamy

Jorge L Sarmiento

Geoffrey K Vallis

Princeton Environmental Institute (PEI)

Michael L Bender

François Morel

Tullis C Onstott

Michael Oppenheimer

Jorge L Sarmiento

Daniel M Sigman

Bess Ward

PRISM

Tullis C Onstott

Woodrow Wilson School

Michael Oppenheimer

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Graduate School

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Russel, William B	6104042	Grant	The Art and Science of Teaching and Learning in a Research Culture	The Teagle Foundation	06/01/2010	07/31/2011	35,000

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Health Services

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Abrams, Gina B	6604001	Grant	Residential College Community Organizing Pilot Project	Association of American Colleges and Universities	10/23/2008	08/01/2010	6,366

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History

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Grafton, Anthony T	2054060	Grant	Marie Curie International Outgoing Fellowship for Gian Mario Cao	University of London	09/01/2009	09/30/2011	16,000
Burnett, D. G	2054059	Grant	New Directions Fellowship Program	The Andrew W. Mellon Foundation	07/01/2009	08/31/2012	283,124
Creager, Angela N	2056069	Grant	Doctoral Dissertation Research: Genetic Studies of Sex Determination in the 20th Century	National Science Foundation	09/01/2008	08/31/2011	8,000
Creager, Angela N	2056065	Grant	Atoms for Peace and Health: Radioisotopes in Postwar Biomedicine	National Institutes of Health	07/01/2007	06/30/2011	188,596
Darnton, Robert C	2054049	Grant	Book Country: Publishing and the Book Trade in Francophone Europe, 1769-1789	The Florence Gould Foundation	01/01/2006	06/30/2013	50,000
Grafton, Anthony T	2054046	Grant	Mellon Foundation Distinguished Achievement Award	The Andrew W. Mellon Foundation	01/01/2005	10/01/2011	1,618,733
Brown, Peter R	2054041	Grant	Mellon Distinguished Achievement Award	The Andrew W. Mellon Foundation	04/01/2002	10/31/2012	1,621,604

Contributions Made to Other Units :

East Asian Studies

Martin C Collcutt

Susan Naquin

Papers of Thomas Jefferson

Barbara B Oberg

Woodrow Wilson School

Julian E Zelizer

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Lewis-Sigler Institute for Integrative Genomics

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Troyanskaya, Olga G Li, Kai	3466118	Grant	Context-Sensitive Search of Human Expression Compendia	National Institutes of Health	06/28/2011	04/30/2014	1,177,557
Troyanskaya, Olga G	3466117	Contract	Modeling Immunity for Biodefense	Mt. Sinai School of Medicine	09/30/2010	09/29/2015	687,829
Gibney, Patrick A	3466115	Grant	Large Scale Identification and Characterization of Hsf1-mediated Heat Shock Response Regulators	National Institutes of Health	06/01/2011	05/31/2013	104,368
Singh, Mona	3466114	Grant	Collaborative Research: ABI Development: Algorithms and Software for Discovery of Non-sequential Protein Structure Similarities	National Science Foundation	05/01/2011	04/30/2014	200,001
Dolinski, Kara J	3466113	Grant	BioGRID: An Open Integrated Resource for Biological Interaction Data	Samuel Lunenfeld Research Institute	02/10/2011	01/31/2016	465,528
Troyanskaya, Olga G	3466112	Grant	National Primate Research Center - STRIDE Collaboration Supplement	University of Washington	05/01/2010	04/30/2011	73,876
Troyanskaya, Olga G	3466111	Grant	Integration and Visualization of Diverse Biological Data	National Institutes of Health	01/01/2011	12/31/2014	1,658,592
Llinas, Manuel	3466110	Grant	ARRA: A Systems Biology Approach for the Model Apicomplexan Toxoplasma Gondii	Albert Einstein College of Medicine of Yeshiva University	09/30/2010	09/29/2011	173,832
Storey, John D	3466109	Grant	A Comprehensive Catalogue of Human DNaseI Hypersensitive Sites	University of Washington	07/01/2010	06/30/2011	111,753
Llinas, Manuel	3466108	Grant	Dissection of Plasmodium Falciparum Genetic Crosses by Mass Spectrometry-based Metabolite QTL	University of Pennsylvania	08/30/2010	07/31/2012	235,888
Bialek, William	3464037	Grant	Central Auditory Processing: From Single Cells to Perception and Learning of Complex Natural Sounds	Int. Human Frontier Sci. Prog. Org. (IHFSPO)	09/01/2010	08/31/2013	300,000
Bialek, William	3464036	Grant	Theoretical physics meets experimental neuroscience: A program for postdoctoral fellows at Princeton University	The Swartz Foundation	09/01/2010	08/31/2011	117,500
Kruglyak, Leonid Gerke, Justin P	3464035	Grant	Genetic Dissection of Variation in Fat Metabolism	Life Sciences Research Foundation	07/01/2010	12/31/2010	139,325
Murphy, Coleen T	3464034	Grant	Glenn Award for Research in Biological Mechanisms of Aging	Glenn Foundation for Medical Research	06/18/2010	06/17/2012	60,000
Tavazoie, Saeed	3466107	Grant	Comprehensive Genetic Characterization of Antibiotic Resistance	National Institutes of Health	07/01/2010	06/30/2014	1,594,067
Rabinowitz, Joshua D	3464033	Contract	Identifying and Treating Glutamine-dependent Pancreatic Cancer	University of Pennsylvania	12/01/2009	12/01/2012	691,501
Botstein, David	3466106	Grant	ARRA - Center for Quantitative Biology -Administrative Supplement	National Institutes of Health	05/01/2010	04/30/2011	706,300
Singh, Mona Llinas, Manuel	3466105	Grant	Computational Methods for Uncovering Protein Function in Plasmodium Falciparum	National Institutes of Health	03/01/2010	02/29/2012	438,350
Bialek, William	3464032	Grant	Physical Limits and Biological Function	Keck Foundation (The W. M.)	12/15/2009	12/14/2012	1,000,386
Rabinowitz, Joshua D	3464031	Grant	Probing the Glycolytic Gluconeogenic Switch in Primary Rodent Hepatocytes via Metabolomics and Fluxomics	Johnson & Johnson Pharmaceutical Research & Development, LLC	01/01/2010	12/31/2011	150,000
Dolinski, Kara J	3466104	Grant	Genomic Database for the Yeast Saccharomyces	Stanford University	08/01/2009	07/31/2012	414,574
Llinas, Manuel	3464029	Grant	Density -Dependent Autocrine Control of Gametocytogenesis in the Virulent Malaria Parasite Plasmodium Falciparum	Damon Runyon Cancer Research Foundation	01/01/2010	12/31/2012	156,000

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Lewis-Sigler Institute for Integrative Genomics (2)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Singh, Mona	3466102	Grant	ARRA: Predicting and Analyzing Protein Interaction Networks	National Institutes of Health	09/30/2009	01/31/2011	199,965
Tank, David W	3466101	Grant	ARRA - Virtual Reality Systems for Neural Circuit Dynamics	National Institutes of Health	09/30/2009	08/31/2012	1,000,000
Rabinowitz, Joshua D	3466099	Grant	Integration of carbon, nitrogen, and oxygen metabolism in Escherichia coli	DOE - Washington	09/01/2009	08/31/2012	299,258
Wingreen, Ned S	3466100						199,503
Rabinowitz, Joshua D							
Tank, David W	3466098	Grant	ARRA - Imaging and Stimulation of Neural Activity at Cellular Resolution in Awake Mice	National Institutes of Health	07/01/2009	06/30/2012	186,866
Andolfatto, Peter	3466096	Grant	Adaptive Evolution of Non Coding DNA and Gene Expression Divergence in Drosophila	National Institutes of Health	09/01/2009	07/31/2014	1,479,722
Murphy, Coleen T	3466083	Grant	Molecular Mechanisms Regulating Age-Related Cognitive Decline	National Institutes of Health	08/15/2009	07/31/2014	1,465,639
Kruglyak, Leonid	3466081	Grant	NRSA: Defining the Genomic Architecture of Expression Quantitative Traits	National Institutes of Health	09/01/2009	05/15/2011	130,195
Kruglyak, Leonid	3466082	Grant	NRSA: Quantitative Genetic Analyses of the Conserved C. Elegans TGF-beta and Insulin/IGF-1 Cell-signaling Pathways	National Institutes of Health	09/01/2009	08/31/2011	97,684
Botstein, David	3466079	Grant	Genetics of Functional Interactions in Yeast	National Institutes of Health	09/01/2009	08/31/2013	2,632,112
Rabinowitz, Joshua D	3466080	Grant	Integration of Carbon, Nitrogen, and Oxygen Metabolism in Escherichia Coli	Air Force Office of Scientific Research	08/01/2009	07/31/2012	211,206
Rabinowitz, Joshua	3466097						288,617
Rabitz, Herschel A							
Shaevitz, Joshua W	3464028	Grant	Mechanisms of Cellular Organization and Force Production in Bacteria	Pew Scholars Program in the Biomedical Sciences	07/01/2009	06/30/2014	240,055
Botstein, David	3466073	Grant	Quantitative and Computational Biology Graduate Program	National Institutes of Health	08/01/2009	07/31/2014	1,057,596
Botstein, David	3466074						394,504
Botstein, David	3466075						442,744
Botstein, David	3466076						492,008
Botstein, David	3466084	Grant	Center for Quantitative Biology	National Institutes of Health	09/01/2009	08/31/2014	9,267,602
Botstein, David	3466085						450,618
Botstein, David	3466086						520,598
Botstein, David	3466087						407,872
Botstein, David	3466088						381,007
Botstein, David	3466089						726,413
Botstein, David	3466090						325,227
Botstein, David	3466091						1,090,263
Botstein, David	3466092						426,466
Botstein, David	3466093						1,325,165
Botstein, David	3466094						133,030
Botstein, David	3466095						359,375

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Lewis-Sigler Institute for Integrative Genomics (3)

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Bialek, William	3464027	Grant	Theoretical physics meets experimental neuroscience: A program for postdoctoral fellows at Princeton University	The Swartz Foundation	09/01/2009	08/31/2011	235,000
Shvartsman, Stanislav Y	3464026	Grant	Multiscale Mechanisms of Epithelial Patterning and Morphogenesis: Theory and Experiments	Int. Human Frontier Sci. Prog. Org. (IHFSPO)	09/01/2009	08/31/2012	337,537
Tavazoie, Saeed	3466071	Grant	Predictive Learning of Transcriptional Networks	National Institutes of Health	06/17/2009	05/31/2012	1,349,685
Shaevitz, Joshua W	3466069	Grant	CAREER: Organization and Force Production in Bacteria	National Science Foundation	03/01/2009	02/28/2014	943,275
Llinas, Manuel	3466068	Grant	Regulation of Plasmodium Falciparum Transcription	National Institutes of Health	02/15/2009	01/31/2014	2,127,295
Dolinski, Kara J	3466066	Grant	Gene Ontology Consortium	The Jackson Laboratory	03/01/2008	02/28/2012	897,905
Storey, John D	3466065	Grant	Glue Grant: Inflammation and the Host Response to Injury	Massachusetts General Hospital	02/01/2008	08/31/2011	481,630
Tavazoie, Saeed	3466064	Grant	Towards a Cognitive Framework for Understanding Cellular Behavior	National Institutes of Health	09/30/2008	07/31/2013	4,025,000
Murphy, Coleen T	3466063	Grant	Slowing the Ticking Clock: C. Elegans Screens for Reproductive Aging Regulators	National Institutes of Health	09/30/2008	08/31/2013	2,415,000
Tank, David W	3466062	Grant	Imaging and Stimulation of Neural Activity at Cellular Resolution in Awake Mice	National Institutes of Health	09/08/2008	06/30/2013	1,452,826
Shaevitz, Joshua W	3464024	Grant	Biophysics of Bacterial Gliding Motility	Human Frontier Science Program Org. (HFSP)	09/01/2008	08/31/2011	375,000
Storey, John D	3466059	Grant	Statistical Methods for Genetic Data	National Institutes of Health	07/01/2008	06/30/2012	1,447,143
Murphy, Coleen T	3464023	Grant	Molecular Characterization of Long-Term Memory Maintenance with Age	McKnight Endowment Fund for Neuroscience	07/01/2008	06/30/2012	225,000
Murphy, Coleen T	3464022	Grant	Molecular Characterization of Long-Term Memory Maintenance with Age	Keck Foundation (The W. M.)	07/01/2008	06/30/2013	1,001,447
Shaevitz, Joshua W	3464021	Grant	Physical Control of Cell Shape and Dynamics in Bacteria	Alfred P. Sloan Foundation	09/16/2008	09/15/2010	50,000
Bialek, William	3464020	Grant	Correlations, collective modes and computations in the retinal code	Int. Human Frontier Sci. Prog. Org. (IHFSPO)	04/01/2008	03/31/2011	134,587
Mora, Thierry							
Storey, John D	3466047	Contract	Gene Expression Variation in Geographically Diverse Human Populations	University of Washington	02/01/2008	04/30/2011	417,044
Murphy, Coleen T	3464019	Grant	Identification of Molecular Mechanisms Regulating Reproductive Span	March of Dimes - Birth Defects Foundation	02/01/2008	01/31/2011	148,561
Dombeck, Daniel A	3464018	Grant	Neuroscience Award for Daniel Dombeck	Society for Neuroscience	11/01/2007	12/31/2010	25,000
Troyanskaya, Olga G	3466044	Grant	Predicting and testing gene function in the human cell division cycle	Dartmouth College	08/20/2007	05/31/2012	290,740
Llinas, Manuel	3466043	Grant	Novel Antimalarial Strategies Using Metabolomic Network Discovery	National Institutes of Health	09/30/2007	08/31/2012	2,370,000
Rabinowitz, Joshua D	3466040	Grant	Quantitative Tools for Dissection of Hydrogen-Producing Metabolic Networks	DOE - Chicago	09/15/2007	09/14/2011	648,203
Dismukes, Gerard C							
Rabitz, Herschel A							
Dismukes, Gerard C	3466041						393,902
Rabitz, Herschel A	3466042						457,895

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Lewis-Sigler Institute for Integrative Genomics (4)

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Dolinski, Kara J	3466039	Grant	BioGRID: An Open Resource for Biological Interactions and Network Analysis	Samuel Lunenfeld Research Institute	05/15/2007	02/28/2011	1,266,856
Kruglyak, Leonid Murphy, Coleen T	3466038	Grant	Genetic Dissection of Transcriptional and Organismal Phenotypes in <i>C. elegans</i>	National Institutes of Health	08/16/2007	06/30/2011	994,494
Shvartsman, Stanislav Y	3466037	Grant	Collaborative Research: Analysis of spatiotemporal signal processing in developmental patterning systems	National Science Foundation	08/15/2007	07/31/2010	145,000
Rabinowitz, Joshua D Coller, Hilary A Shenk, Thomas E Troyanskaya, Olga G	3466036	Grant	Metabolomics of the Virus-host Cell Interaction	National Institutes of Health	08/15/2007	07/31/2012	1,235,580
Llinas, Manuel	3464017	Grant	Global Analysis of the Plasmodium Falciparum Metabolome	The Burroughs Wellcome Fund	07/01/2007	06/30/2014	500,000
Rabinowitz, Joshua D	3466035	Grant	CAREER: Quantitative Principles Governing the Cellular Metabolic Network	National Science Foundation	04/01/2007	03/31/2012	1,144,276
Kruglyak, Leonid	3466034	Grant	Quantitative Methods for Linkage and Associated Studies	National Institutes of Health	01/01/2007	11/30/2011	1,888,019
Bialek, William	3464015	Grant	Theoretical Physics Meets Experimental Neuroscience: A Program for Postdoctoral Fellows at Princeton University	The Swartz Foundation	09/01/2006	08/31/2011	360,000
Bialek, William Berry, Michael J	3466032	Grant	Combinatorial and collective coding in the retina	National Science Foundation	09/15/2006	08/31/2011	780,000
Shvartsman, Stanislav Y Schupbach, Gertrud M	3466031	Grant	Genome wide analysis and modeling of signal integration in the <i>Drosophila</i> ovary	National Institutes of Health	08/01/2006	07/31/2012	977,920
Tank, David W	3466030	Grant	Mechanisms of Persistent Activity in a Neural Integrator	National Institutes of Health	06/01/2006	05/31/2012	1,900,022
Bialek, William Tank, David W Wieschaus, Eric F	3466029	Grant	Dynamics, Scaling, and Precision of Morphogen Gradients in the <i>Drosophila</i> Embryo	National Institutes of Health	04/05/2006	03/31/2012	1,161,283
Singh, Mona Shvartsman, Stanislav Y Singh, Jaswinder P	3466028 3466045	Grant	Predicting and Analyzing Protein Interaction Networks	National Institutes of Health	02/18/2006	01/31/2012	1,296,897 461,319
Bialek, William	3466026	Grant	Collaborative Research: CRCNS: Precision and Coding in Smooth Pursuit	University of California - San Francisco	09/15/2005	07/31/2010	694,486
Troyanskaya, Olga G	3466017	Grant	Integration and Visualization of Diverse Biological Data	National Institutes of Health	04/01/2005	12/31/2010	1,231,289
Shvartsman, Stanislav Y	3466014	Grant	CAREER: Quantitative Analysis of Morphogen Gradients in Developing Tissues	National Science Foundation	02/15/2005	01/31/2012	400,000
Kruglyak, Leonid	3464004	Grant	Gene Mapping & Beyond: The Role of Theory in Human Genetics	James S. McDonnell Foundation	02/01/2005	12/01/2014	1,062,125

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ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Linke, Daniel J	6906116	Grant	The American Civil Liberties Union (ACLU) Modern Records Detailed Processing Projecy	National Archives & Records Administration	07/01/2010	06/30/2012	122,848
Magier, David S	6906115	Grant	The Yemen Manuscript Digitization Initiative	National Endowment for the Humanities	06/01/2010	10/31/2012	209,056

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ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Chen, Szu-Yu	2156479	Grant	Partial Regularity and Rigidity Problems Associated to Geometric Elliptic Systems	National Science Foundation	06/01/2011	05/31/2014	161,912
Fefferman, Charles L Ionescu, Alexandru D	2156472	Grant	Analysis and Applications: A Conference in Honor of Elias Stein	National Science Foundation	01/01/2011	12/31/2011	50,000
Della Vedova, Alberto	2154072	Grant	Marie Curie Fellowship PIOF2009 - Project no. 255579 (CAMEGEST)	Universita degli Studi di Parma	09/01/2010	08/31/2012	15,246
Case, Jeffrey S	2156471	Grant	NSF Institutional Allowance	National Science Foundation	09/01/2010	08/31/2011	2,500
Wang, Bing	2156469	Grant	Investigation of Ricci Flows with Bounded Scalar Curvature	National Science Foundation	09/15/2010	08/31/2013	135,130
Streets, Jeffrey D	2156470	Grant	Geometric Flows and Four-Dimensional Geometry	National Science Foundation	09/15/2010	08/31/2013	135,213
Salehi Golsefidy, Alireza	2156468	Grant	Discrete subgroups of semisimple Lie groups	National Science Foundation	09/01/2010	08/31/2013	146,277
Chang, Sun-Yung A	2154070	Grant	Simons Postdoctoral Fellowship Program	The Simons Foundation	07/01/2010	06/30/2014	577,460
Chang, Sun-Yung A	2154071						60,000
Bhargava, Manjul	2156467	Grant	The Parameterization of Algebraic Structures, and Applications	National Science Foundation	07/01/2010	06/30/2013	359,776
Gabai, David	2156466	Grant	Problems in Low Dimensional Geometry and Topology	National Science Foundation	07/01/2010	06/30/2015	790,971
Szabo, Zoltan	2156465	Grant	Low Dimensional Topology and Heegaard Floer Homology	National Science Foundation	07/01/2010	06/30/2013	486,956
Wienhard, Anna K	2156464	Grant	Women in Mathematics - SWIM 2010	National Science Foundation	05/15/2010	04/30/2011	46,700
Pandharipande, Rahul V	2156463	Grant	Algebraic Geometry of Moduli Spaces	National Science Foundation	07/01/2010	06/30/2015	599,880
Singer, Amit	2154069	Grant	Alfred P Sloan Research Fellowship	Alfred P. Sloan Foundation	09/15/2010	09/15/2012	50,000
Kollar, Janos	2156462	Grant	FRG: Collaborative Research: Arithmetic and Geometry of Rational Curves on K3 Surfaces	National Science Foundation	07/01/2010	06/30/2013	250,000
Rodnianski, Igor	2156461	Grant	General Relativity and Geometric Hyperbolic PDEs	National Science Foundation	07/01/2010	06/30/2012	499,266
Damron, Michael K	2156460	Grant	NSF Institutional Allowance	National Science Foundation	07/01/2009	06/30/2013	1,667
Wienhard, Anna K	2156459	Grant	CAREER: Higher Teichmuller Theory	National Science Foundation	08/15/2009	07/31/2014	400,001
Pandharipande, Rahul V	2154068	Grant	Algebraic aspects of open Gromov-Witten theory	U.S.-Israel Binational Science Fdn.	10/01/2009	09/30/2013	52,000
Gabai, David	2156457	Grant	FRG: Collaborative Research: Mean Curvature Flow as a Tool in Low Dimensional Topology	National Science Foundation	07/31/2009	07/31/2012	409,903
Gabai, David	2156458						25,000
Grushevsky, Samuel	2156456	Grant	Abelian Varieties, Jacobians, and Applications	National Science Foundation	08/01/2009	08/31/2010	21,874
Fefferman, Charles L Stein, Elias M	2156455	Grant	ARRA: Fourier Analysis and Partial Differential Equations	National Science Foundation	07/15/2009	06/30/2012	959,415
Okounkov, Andrei	2156454	Grant	FRG: Collaborative Research: Quantum Cohomology, Quantized Algebraic Varieties, and Respresentation Theory	National Science Foundation	07/01/2009	06/30/2012	378,027
Skinner, Christopher M	2156453	Grant	ARRA: FRG: Automorphic Forms, Galois Representations, Periods and p-Adic L-functions	National Science Foundation	07/01/2009	06/30/2012	119,969
Hochman, Michael Z	2156452	Grant	ARRA: Dynamics of Multidimensional Symbolic Systems	National Science Foundation	07/01/2009	06/30/2012	158,522
Warren, Micah W	2156451	Grant	ARRA - Hessian and Special Lagrangian Equations	National Science Foundation	07/01/2009	06/30/2012	145,698

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Mathematics (2)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Sinai, Yakov G	2156450	Grant	Ergodic and Statistical Phenomena in Dynamics	National Science Foundation	06/01/2009	05/31/2012	622,898
Klainerman, Sergiu	2156449	Grant	Mathematical Problems in General Relativity	National Science Foundation	07/01/2009	06/30/2012	540,229
Baldwin, John A	2156448	Grant	NSF Institutional Allowance	National Science Foundation	09/22/2008	09/27/2011	1,500
Beliaev, Dmitri	2156447	Grant	Random Fractals and Harmonic Measure	National Science Foundation	08/15/2008	07/31/2012	126,592
Chang, Sun-Yung A	2156444	Grant	Partial Differential Equations in Conformal and CR Geometry	National Science Foundation	07/01/2008	06/30/2012	719,392
Yang, Paul C							
Tian, Gang	2156443	Grant	Geometry and Analysis of Manifolds	National Science Foundation	07/01/2008	06/30/2013	830,172
Fefferman, Charles L	2156442	Grant	Fitting Smooth Surfaces to Data	Office of Naval Research	03/01/2008	03/31/2012	461,214
Klartag, Bo'az B							
Fefferman, Charles L	2156473						18,782
Klartag, Bo'az B							
Lindenstrauss, Elon B	2156441	Grant	Rigidity, entropy and arithmetic in homogeneous dynamics	National Science Foundation	07/01/2008	06/30/2012	522,012
Sarnak, Peter C							
Sarnak, Peter C	2156440	Grant	An Affine Sieve	National Science Foundation	07/01/2008	06/30/2013	750,000
Wiles, Andrew J	2156439	Grant	Equations and Automorphic Forms	National Science Foundation	05/01/2008	04/30/2012	431,188
Kollar, Janos	2156438	Grant	Higher dimensional varieties and their applications	National Science Foundation	07/01/2008	06/30/2013	540,002
Norin, Sergey	2156431	Grant	Pfaffian Orientations, Graph Coloring and the Theory of Riemann Surfaces on Graphs	National Science Foundation	09/01/2007	08/31/2011	103,315
Skinner, Christopher M	2156432	Grant	Collaborative Research FRG: Automorphic Forms, Galois Representations, and Special Values of L-functions	National Science Foundation	06/01/2007	06/30/2011	214,752
Szabo, Zoltan	2156428	Grant	Heegaard Floer Homology and Low Dimensional Topology	National Science Foundation	07/01/2007	06/30/2012	627,001
Rodnianski, Igor	2156425	Grant	General Relativity and Geometric Hyperbolic PDEs	National Science Foundation	07/01/2007	06/30/2012	147,501
Warzel, Simone	2156424	Grant	Analysis of Quantum Many-Particle Systems with Disorder	National Science Foundation	06/01/2007	05/31/2012	140,577
Katz, Nicholas M	2156423	Grant	Arithmetic Algebraic Geometry	National Science Foundation	07/01/2007	12/31/2011	354,001
Skinner, Christopher M	2156422	Grant	L-values, Selmer groups, and automorphic forms	National Science Foundation	07/01/2007	06/30/2012	471,997
Warzel, Simone	2154066	Grant	Sloan Fellowship for Simone Warzel	Alfred P. Sloan Foundation	09/16/2007	11/15/2010	45,000
Klainerman, Sergiu	2156415	Grant	Evolution problem in General Relativity	National Science Foundation	08/15/2006	07/31/2011	252,171
Szabo, Zoltan	2156412	Grant	Homological Invariants of Knots and Three-Manifolds	National Science Foundation	07/01/2006	06/30/2012	121,545
Lindenstrauss, Elon B	2156409	Grant	FRG: Collaborative Research: Arithmetic and Equidistribution on Homogeneous Spaces	National Science Foundation	06/01/2006	05/31/2011	390,001
Sarnak, Peter C							
Klainerman, Sergiu	2156398	Grant	EMSW21-RTG: Integrated Approach to Graduate Training in Analysis and Geometry	National Science Foundation	09/01/2005	08/31/2012	1,494,246
Chang, Sun-Yung A							
Rodnianski, Igor							
Stein, Elias M							
Tian, Gang							
Gabai, David	2156395	Grant	Low Dimensional Topology and Hyperbolic Geometry	National Science Foundation	07/01/2005	06/30/2012	511,088

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Mathematics (3)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Pandharipande, Rahul V	2156393	Grant	Gromov-Witten Theory, Donaldson-Thomas theory, and the Moduli Space of Curves	National Science Foundation	07/01/2005	06/30/2011	554,708
Sarnak, Peter C	2156392	Grant	Arithmetic and Analysis on Locally Symmetric Spaces and Applications	National Science Foundation	07/01/2005	09/30/2010	380,121
Bhargava, Manjul	2154063	Grant	The David and Lucille Packard Foundation award to Manjul Bhargava	The David and Lucile Packard Foundation	10/21/2004	10/20/2011	620,000

Contributions Made to Other Units :

Applied and Computational Math

Ingrid C Daubechies

Weinan E

Paul D Seymour

Amit Singer

Chemical and Biological Engineering

Amit Singer

Physics

Michael Aizenman

Elliott H Lieb

PRISM

Weinan E

Princeton Institute for Computational Science and Engineering (PICSciE)

Manjul Bhargava

Princeton Neuroscience Institute

Ingrid C Daubechies

Princeton Plasma Physics Laboratory

Christopher M Skinner

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Mechanical and Aerospace Engineering

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Shneider, Mikhail	1506131	Contract	Simulation Tool for Dielectric Barrier Discharge Plasma Actuators at Atmospheric and Sub-Atmospheric Pressures--Phase II	Tech-X Corporation	06/01/2011	05/31/2013	19,727
Kasdin, N. Jeremy	1506130	Contract	Advanced Speckle Sensing for Internal Coronagraphs (AASIC)	Ball Aerospace and Technologies Corp.	06/01/2011	05/31/2012	146,193
Ju, Yiguang	1506126	Contract	Multi-Timescale Dynamic Adaptive Modeling of JP-8 Combustion (Phase II)	Combustion Science & Engineering, Inc.	05/01/2011	04/30/2013	100,000
Kasdin, N. Jeremy	1506125						7,650
Kasdin, N. Jeremy	1506124	Grant	Laboratory Verification of Occulter Optical Performance for Planet Finding Telescopes	Cal Tech - Jet Propulsion Lab (JPL)	04/27/2011	03/25/2012	20,000
Dryer, Frederick L Ju, Yiguang	1506123	Cooperative Agreement	ARRA: Kinetic Model for Syngas and High Hydrogen Content Fuels at Elevated Pressures and Temperatures for Gas Turbine Applications: NOx Experimental Validation Database and Model Verification	Siemens Power Generation	04/01/2011	03/31/2013	248,633
Miles, Richard B	1506122	Grant	Sub-Orbital Flight Program, Mentored Research, and Graduate Fellowships	Rutgers University	08/13/2010	08/31/2011	55,000
Smits, Alexander J	1506120	Grant	Fundamentals of Wall-Bounded Turbulence at Extreme Reynolds Numbers	National Science Foundation	03/15/2011	02/28/2014	300,000
Miles, Richard B	1506119	Contract	Innovative Energy Deposition for Improving the Control Effectors and Performance of High Speed Vehicles	Spectral Energies LLC	01/01/2011	09/30/2011	33,000
Stone, Howard A	1504363	Contract	Microfluidics for Identification/Assessment of the Response of Olfaction/Taste Receptors	Firmenich SA	01/01/2011	12/31/2011	200,000
Carter, Emily A Toroker, Maytal C	1504362	Grant	Marie Curie Fellowship: Solar Cell Materials: Electronic Structure Methodology Reveals New Materials for Solar Cells	Technion - Israel Institute of Technology	06/01/2010	05/30/2012	16,733
Ju, Yiguang Dryer, Frederick L	1504361	Contract	Measurements of Flame Speeds of Diesel Additive Fuels	Amyris Biotechnologies, Inc.	11/01/2010	02/28/2011	44,830
Suckewer, Szymon	1506117	Grant	EAGER: Creation of Elongated Plasma Channel of Small Diameter and Study of Low Loss Propagation of Ultra-intense Laser Pulses in it	National Science Foundation	10/01/2010	09/30/2011	120,000
Ju, Yiguang Dryer, Frederick L	1506116	Grant	University Capstone Project: Enhanced Initiation Techniques for Thermochemical Energy Conversion	Air Force Office of Scientific Research	09/30/2010	09/29/2012	275,000
Martinelli, Luigi Rowley, Clarence W	1506114	Grant	FAA Joint University Program for Air Transportation--Proposal for Activities by Princeton University	Federal Aviation Agency (DOT)	08/09/2010	08/07/2012	300,000
Miles, Richard B	1506113	Grant	DURIP: High Power, Pulsed Microwave Source for Plasma Enhanced Combustion Research	Air Force Office of Scientific Research	09/01/2010	08/31/2011	109,162
Rowley, Clarence W	1506112	Grant	Multi-Scale Uncertainty Propagation in Dynamical Systems	University of California at Santa Barbara	05/01/2010	04/30/2013	225,000
Law, Chung K	1506110	Grant	Flame Dynamics and Reduced Chemistry in LRE Combustion Instability	Georgia Institute of Technology	05/01/2010	04/30/2013	300,000

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Mechanical and Aerospace Engineering (2)

ACTIVE SPONSORED PROJECTS

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<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Kasdin, N. Jeremy	1506111	Grant	Adaptive Algorithms for Efficient Wavefront Control in High Contrast Imaging (Tyler Groff)	NASA Headquarters - Washington	09/01/2010	08/31/2011	30,000
Kasdin, N. Jeremy Spergel, David N	1506108	Grant	ROSES 2009 D.11: Starshades for Exoplanet Imaging and Characterization: Key Technology Development	NASA Headquarters - Washington	02/19/2010	02/18/2012	523,713
Miles, Richard B	1506105	Contract	Electrohydrodynamic Propulsion	International Technology Center	03/31/2010	09/28/2010	150,000
Law, Chung K	1506104	Grant	Physical and Chemical Processes in Flames--Renewal 3-15-2009	Air Force Office of Scientific Research	05/15/2010	05/14/2013	615,000
Suckewer, Szymon	1504360	Contract	Research Agreement between the Texas A&M Experiment Station and Princeton University Administrative Support	Texas Engineering Experiment Station	07/01/2010	12/31/2010	11,655
Kasdin, N. Jeremy	1506103	Grant	Exoplanet Mission Design: Leveraging Princeton Students and Team X Expertise for Innovation and Education	Cal Tech - Jet Propulsion Lab (JPL)	03/31/2010	02/27/2011	8,985
Choueiri, Edgar Y	1506102	Grant	Dual-Use Distributed Micropropulsion for Active Vibration Damping & Precision Pointing of Large Space Apertures with Applications to Complex Structure	Cal Tech - Jet Propulsion Lab (JPL)	03/31/2010	02/27/2011	78,000
Stone, Howard A Aristoff, Jeffrey M	1506101	Grant	Mathematical Sciences Postdoctoral Fellowship - Jeffrey M. Aristoff	National Science Foundation	10/01/2009	09/30/2013	5,000
Littman, Michael G	1504359	Grant	Archiving and Replicating Joseph Henry's Apparatus for Teaching and Research	Richard Lounsbery Foundation	02/16/2010	02/15/2011	49,894
Shneider, Mikhail	1506099	Contract	Simulation Tool for Dielectric Barrier Discharge Plasma Actuators at Atmospheric and Sub-Atmospheric Pressures	Tech-X Corporation	01/29/2010	07/29/2010	13,640
Ju, Yiguang Dryer, Frederick L	1506097	Contract	Chemical Kinetics of Jet Fuel Flames in Vitiated Flows at Low Pressure: Experiments and Reduced Kinetic Models	Combustion Science & Engineering, Inc.	11/01/2009	10/31/2011	87,454
Ju, Yiguang Dryer, Frederick L	1506098						12,546
Ju, Yiguang Dryer, Frederick L	1506096	Grant	An Experimental and Chemical Kinetics Study of the Combustion of Syngas and High Hydrogen Content Fuels	The Pennsylvania State University	10/01/2009	09/30/2012	319,999
Stone, Howard A	1504358	Contract	Physical Studies of Hair Mechanics and Friction: Stress Development During Wetting, Drying and "Combing"	Unilever R&D, Port Sunlight	10/01/2009	09/30/2011	370,000
Stone, Howard A	1504357	Contract	Microstructurally Stabilized Foams: Particle	Unilever Research U.S. - Edgewater Laboratory	08/17/2009	08/16/2011	300,000
Dryer, Frederick L	1506093	Cooperative Agreement	Scientific Support for a Space-Based Droplet Burning Experiment	NASA Glenn Research Center	09/01/2009	08/31/2013	440,000
Stone, Howard A	1506092	Grant	ARRA: Thin-Film Flows Over Topographically Patterned Surfaces: Free-Surface Characteristics, Atomization, and Structure and Response of Spherical Diffusion Flames (Renewal June 2009)	National Science Foundation	07/01/2009	08/31/2012	238,680
Law, Chung K	1506091	Cooperative Agreement	Structure and Response of Spherical Diffusion Flames (Renewal June 2009)	NASA Glenn Research Center	10/01/2009	09/30/2011	150,000
Rowley, Clarence W	1506073	Grant	"Collaborative Research: IDR--Model-Based Feedback Control of Transient Growth in a Laminar Boundary Layer: Bridging the Gap Between CFD and Expermi	National Science Foundation	09/01/2009	08/31/2012	314,735

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ACTIVE SPONSORED PROJECTS

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<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Law, Chung K Carter, Emily A Dryer, Frederick L Ju, Yiguang	1506075	Grant	Energy Frontier Research Center for Combustion Science (see additional P/Gs in PRISM)	DOE - Washington	08/01/2009	07/31/2014	17,337,610
Carter, Emily A	1506076						63,896
Ju, Yiguang	1506077						214,682
Dryer, Frederick L	1506078						167,731
Law, Chung K	1506079						74,251
Law, Chung K	1506080						569,721
Law, Chung K	1506081						532,454
Law, Chung K	1506082						685,340
Law, Chung K	1506083						562,796
Law, Chung K	1506094						555,250
Law, Chung K	1506085						555,250
Law, Chung K	1506086						594,250
Law, Chung K	1506087						152,092
Law, Chung K	1506088						2,652
Law, Chung K	1506089						87,055
Law, Chung K	1506094						555,250
Law, Chung K	1506100						27,041
Law, Chung K	1506109						75,359
Law, Chung K	1506085						555,250
Miles, Richard B Ju, Yiguang Shneider, Mikhail Starikovskiy, Andrey Y	1506070	Grant	Fundamental Mechanisms, Predictive Modeling, and Novel Aerospace Applications of Plasma-Assisted Combustion	Ohio State University	08/01/2009	07/31/2012	2,426,773
Ju, Yiguang	1506071						418,227
Starikovskiy, Andrey Y	1506118						390,000
Shneider, Mikhail	1506069	Grant	ARRA: Physics-Based Model of Blue Jets	National Science Foundation	06/15/2009	05/31/2012	94,575
Leonard, Naomi E Couzin, Iain D	1506065	Grant	Bio-Inspired Autonomous Control for Optimal Exploration and Exploitation in Marine Environments--Revision March 2009	Office of Naval Research	07/01/2009	06/30/2012	1,985,889
Couzin, Iain D	1506066						583,111
Rowley, Clarence W	1506063	Grant	An Integrated Approach to Separation Control: Flow Physics, Nonlinear Dynamics and Effective Control Strategies	University of Florida	03/01/2009	11/30/2011	165,873

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ACTIVE SPONSORED PROJECTS

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<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Suckewer, Szymon	1504355	Contract	Research Agreement Between Texas Engineering Experiment Station and Princeton University: Administrative Support	Texas Engineering Experiment Station	01/01/2009	06/30/2012	49,632
McAlpine, Michael C	1506062	Grant	Biomimetic Nanosensor Arrays for Selective Small Molecule Detection	Air Force Office of Scientific Research	03/01/2009	11/30/2011	300,000
Miles, Richard B	1506060	Grant	New Methods for Quantitative High-Speed Flow Diagnostics that are Non-Intrusive and Without Seeding	Air Force Office of Scientific Research	03/01/2009	11/30/2011	597,322
Choueiri, Edgar Y	1506059	Grant	Advanced Plasma Propulsion	Air Force Office of Scientific Research	03/01/2009	05/31/2011	918,760
Smits, Alexander J	1506056	Grant	High Reynolds Number Turbulence	Office of Naval Research	12/01/2008	11/30/2012	770,830
Kasdin, N. Jeremy	1506051	Grant	Analysis, Control, and Laboratory Verification of Hybrid Occulters for Planet Finding Telescopes	NASA Headquarters - Washington	11/12/2008	12/02/2010	189,729
Kasdin, N. Jeremy	1506050	Grant	Achieving Polychromatic High-Contrast Using Hybrid Shaped Pupil and Pupil Remapping Coronagraphs with Multiple Deformable Mirrors	NASA Headquarters - Washington	11/10/2008	11/09/2012	908,067
Dryer, Frederick L	1504353	Contract	Flame Ignition/Extinction Model for Static Stability Prediction: Fundamental Chemical Kinetic Validation	Combustion Science & Engineering, Inc.	08/01/2008	01/12/2011	231,191
Law, Chung K	1506049	Grant	Spray and Combustion of Gelled Hypergolic Propellants for Future Rocket and Missile Engines	The Pennsylvania State University	05/01/2008	09/30/2011	464,625
McAlpine, Michael C	1506048	Contract	Materials-Enabled Energy Harvesting for Human Powered Wearable Electronics	Central Intelligence Agency	09/22/2008	12/31/2010	240,000
Law, Chung K	1506047	Grant	Combustion Studies of Nanocatalysts in Propulsion	University of Utah	05/01/2008	10/31/2011	420,000
Smits, Alexander J	1506046	Grant	"Towards a Mission-Configurable Stealth Underwater Batoid."	University of Virginia	05/19/2008	05/19/2013	530,582
Smits, Alexander J	1506121						91,631
Law, Chung K	1506036	Grant	Flame Speeds and Reduced Mechanisms in Surrogate Fuels Combustion	University of Southern California	03/01/2008	11/30/2010	234,478
Suckewer, Szymon	1506037	Grant	Demonstration Lasing in "Water Window" at 3.4 nm in Transition to Ground State of CVI Ions	National Science Foundation	05/01/2008	10/31/2011	329,930
Martin, Pino	1506034	Grant	DNS of Turbulent Hypersonic Flows Including Non-Equilibrium Gas and Surface Interaction	NASA Langley Research Center	01/01/2008	01/31/2011	537,637
Smits, Alexander J	1506033	Cooperative Agreement	Experiments on Impulses in Roughness, Transpiration and Heat Transfer in Supersonic and Hypersonic Turbulent Boundary Layers	NASA Langley Research Center	01/01/2008	12/31/2010	762,000
Martin, Pino	1506031	Grant	Turbulence and Radiation Coupling in Hypersonic Turbulent Boundary Layers	The Pennsylvania State University	10/01/2007	09/30/2011	107,302
Martin, Pino	1506055						120,242
Law, Chung K	1506020	Grant	Ignition Kinetics of Hydrocarbons and Propellants	Army Research Office	07/15/2007	07/14/2011	364,549
Law, Chung K	1506115						59,279

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ACTIVE SPONSORED PROJECTS 7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Leonard, Naomi E Cohen, Jonathan D Holmes, Philip J Prentice, Deborah A	1506016	Grant	Behavioral Dynamics in the Cooperative Control of Mixed Human/Robotic Teams	Boston University	05/01/2007	11/30/2011	3,145,689
Dryer, Frederick L Ju, Yiguang	1506015	Grant	Science-Based Design of Fuel-Flexible Chemical Propulsion/Energy Conversion Systems	Air Force Office of Scientific Research	07/01/2007	06/30/2012	6,577,332
Dryer, Frederick L Ju, Yiguang	1506018						822,668
Dryer, Frederick L Ju, Yiguang	1506053						276,383
Miles, Richard B	1506004	Cooperative Agreement	Plasma Actuators for Turbomachinery Flow Control	NASA Glenn Research Center	01/01/2007	12/31/2010	699,909
Leonard, Naomi E	1506892	Grant	Tensegrity Models and Shape Control of Vehicle Formations	National Science Foundation	09/01/2006	08/31/2010	252,000
Smits, Alexander J Holmes, Philip J	1506872	Subcontract	The Swimming Lamprey: Circuits, Biomechanics and Fluids	University of Maryland	09/15/2005	11/30/2010	385,119
Haataja, Mikko P	1506859	Grant	CAREER: Computational Studies of Elastic and Dislocation Effects on Microstructure Formation	National Science Foundation	08/01/2005	07/31/2010	400,000
Miles, Richard B	1504338	Subcontract	Revolutionary Materials for Hypersonic Flight (MathFli)	University of California at Santa Barbara	04/15/2005	11/30/2010	777,776
Suckewer, Szymon	1506855	Grant	Study of Efficiency of Raman Backscattering Amplification in Plasma	DOE - Chicago	06/15/2005	06/14/2011	628,000
Holmes, Philip J	1504332	Grant	FIBR: Computational Neuromechanics of Biological Locomotion - Subcontract "Mathematical Models of Insect Locomotion"	University of California at Berkeley	09/01/2004	08/31/2010	1,029,644
Dryer, Frederick L	1506848	Cooperative Agreement	Scientific Support for a Space Shuttle Droplet Burning Experiment	NASA Glenn Research Center	08/01/2004	07/31/2010	625,618
Martinelli, Luigi Rowley, Clarence W	1506716	Grant	(Joint University Program) Air Transportation Technology	Federal Aviation Agency (DOT)	04/03/1995	08/31/2010	1,567,137

Contributions Made to Other Units :

Applied and Computational Math

Emily A Carter

Mikko P Haataja

Philip J Holmes

Astrophysical Sciences

N Jeremy Kasdin

Szymon Suckewer

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Contributions Made to Other Units (cont) :

Chemical and Biological Engineering

Frederick L Dryer

Howard A Stone

Civil and Environmental Engineering

Craig B Arnold

Electrical Engineering

Marian O Scully

PEI

Craig B Arnold

Robert H Socolow

Howard A Stone

Princeton Neuroscience Institute

Philip J Holmes

PRISM

Craig B Arnold

Emily A Carter

Frederick L Dryer

Mikko P Haataja

Yiguang Ju

Chung K Law

Michael C McAlpine

Richard B Miles

Winston O Soboyejo

Woodrow Wilson School

Alexander Glaser

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Molecular Biology

ACTIVE SPONSORED PROJECTS

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<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Eggenschwiler, Jonathan T	1266457	Grant	Investigation of Cell-cell Signaling in Spinal Neurogenesis	New Jersey Commission on Spinal Cord Research	06/15/2011	06/30/2014	150,000
Gammie, Alison E	1266458	Grant	New Jersey Commission on Cancer Research Summer Fellowships for Princeton University	NJ Commission on Cancer Research	06/01/2011	08/31/2011	30,000
Murthy, Mala	1264699	Grant	From Genes to Circuits: The Evolution of Species-specific Communication in Drosophila	Human Frontier Science Program Org. (HFSP)	06/01/2011	05/31/2014	337,500
Wieschaus, Eric F	1266454	Grant	Oogenesis and Early Embryogenesis in Drosophila	National Institutes of Health	06/01/2011	05/31/2016	1,075,056
Bassler, Bonnie L	1264696	Grant	Spatial Structure During the Transition to Social Behavior in Vibrio Species	Human Frontier Science Program Org. (HFSP)	04/01/2011	03/31/2014	14,760
Bassler, Bonnie L	1266453	Grant	A High-Throughput Screen for Modulators of Quorum Sensing in Vibrio cholerae	National Institutes of Health	04/15/2011	03/31/2012	25,000
Garcia, Benjamin A	1266452	Grant	Epigenetic Biomarker Discovery in Cutaneous Neoplasms	Mt. Sinai School of Medicine	03/01/2011	02/29/2012	7,830
Tank, David W	1266451	Grant	NRSA:Examining properties of grid cell networks in mice navigating in virtual reality	National Institutes of Health	03/21/2011	03/20/2012	51,326
Kinkhabwala, Amina A							
Schupbach, Gertrud M	1266450	Grant	EGF Receptor Mediated Signaling in Drosophila	National Institutes of Health	03/01/2011	01/31/2015	1,272,892
Murthy, Mala	1266449	Grant	CAREER: Neural Mechanisms for Acoustic Communication in Drosophila	National Science Foundation	03/01/2011	02/28/2016	650,000
Wingreen, Ned S	1264695	Grant	Achieving and maintaining the cell shape of bacteria: a biophysical study	Human Frontier Science Program Org. (HFSP)	07/15/2010	07/14/2013	14,760
Gitai, Zemer							
van Teeffelen, Sven							
Bassler, Bonnie L	1266447	Grant	NRSA: Targeting Quorum-sensing to Inhibit Bacterial Pathogenesis	National Institutes of Health	03/01/2011	02/28/2013	99,724
Stauff, Devin L							
Kang, Yibin	1264694	Grant	The Role of VCAM1 in the Activation of Dormant Breast Cancer Bone Micrometastasis	Breast Cancer Alliance	01/01/2011	12/31/2011	100,000
Coller, Hilary A	1266445	Grant	ARRA Role of Tumor and Stromal Cell Metabolism in Stress Adaptation and Progression:Year 2	Rutgers University	09/01/2010	08/31/2011	125,000
Rabinowitz, Joshua							
Rabinowitz, Joshua	1266446						125,000
Coller, Hilary A							
Gammie, Alison E	1264693	Grant	Minority Scholarship Program	Genentech, Inc.	01/03/2011	08/31/2011	15,000
Shenk, Thomas E	1264692	Contract	Evaluation of the potential role of the purinosome in viral replication	Corning Incorporated	12/21/2010	12/31/2013	300,000
Murphy, Coleen T	1266444	Grant	NRSA: Genetic Characterization of Long-term Memory in Caenorhabditis Elegans	National Institutes of Health	01/01/2011	12/31/2013	152,766
Kaletsky, Rachel L							
Enquist, Lynn W	1266443	Grant	Deep Sequencing and Neuronal Microarrays for Functional Genomic Analysis of Herpes Simplex	Northrop Grumman Corporation	12/17/2010	12/16/2012	507,248
Szpara, Moriah L							
Shenk, Thomas E	1264691	Grant	Modulation of Cellular Kinase Activity during Cytomegalovirus Infection	American Cancer Society, Inc. (ACS)	01/01/2011	12/31/2013	150,000
Terry, Laura J							
Schedl, Paul D	1264690	Grant	Novel genes involved in the network controlling sexual differentiation and fate determination	U.S.-Israel Binational Science Fdn.	10/01/2010	09/30/2011	70,400

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Molecular Biology (2)

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<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Eggenschwiler, Jonathan T Brown, Desmond A	1266441	Grant	NRSA:Cellular and Molecular Requirements for Medulloblastoma Tumorigenesis	National Institutes of Health	12/01/2010	11/30/2013	124,140
Eggenschwiler, Jonathan T	1266440	Grant	Regulation of Metal Ion homeostasis by Channel Kinase	University of Medicine & Dentistry of NJ (UMDNJ)	05/01/2010	04/30/2011	80,500
Schwarzbauer, Jean E	1266438	Grant	An RNAi Screen for Cell Migration Genes in C. Elegans	University of Virginia	08/01/2010	07/31/2011	101,673
Garcia, Benjamin A	1266436	Grant	"New Innovator Award" Novel Methodology for Quantitative High-throughput Cancer Epigenetics	National Institutes of Health	09/30/2010	08/31/2015	2,415,000
Cristea, Ileana M	1266435	Grant	New Tools for Exploring the Dynamic Interactome: Interactome of HIV Infection	Rockefeller University	08/15/2010	07/31/2014	30,188
Hughson, Frederick M Gammie, Alison E	1264684	Grant	HHMI Precollege and Undergraduate Science Education Program: Parent Award	Howard Hughes Medical Institute	09/01/2010	08/31/2014	1,146,764
Hughson, Frederick Gammie, Alison E	1264685						148,614
Hughson, Frederick Gammie, Alison E	1264686						191,845
Hughson, Frederick Gammie, Alison E	1264687						3,583
Hughson, Frederick Gammie, Alison E	1264688						3,583
Hughson, Frederick Gammie, Alison E	1264689						5,611
Schwarzbauer, Jean E	1266439	Grant	Biennial Meeting of the American Society for Matrix Biology	National Institutes of Health	09/01/2010	08/31/2011	28,000
Berry, Michael J	1264683	Grant	Microfabricated Patch Clamp Micropipette	McKnight Endowment Fund for Neuroscience	08/01/2010	07/31/2011	160,000
Wieschaus, Eric F	1264682	Grant	HHMI Investigator Support for Graduate Student	Howard Hughes Medical	07/01/2010	06/30/2011	63,740
Hughson, Frederick M	1266433	Grant	ARRA: Structure-Function Analysis of AI-2 Quorum Sensing	National Institutes of Health	08/15/2010	02/29/2012	118,161
Cox, Edward C Kuhlman, Thomas E	1266432	Grant	NRSA: Genomic Architecture and the Consequences for Prokaryotic Gene Regulation	National Institutes of Health	07/01/2010	06/30/2012	106,888
Boulanger, Lisa M Tyler, Carolyn M	1266430	Grant	Investigating the role of MHC class I Proteins in Traumatic Brain Injury	New Jersey Commission on Brain Injury Research	06/01/2010	05/31/2013	192,324
Burdine, Rebecca D Lenhart, Kari F	1264681	Grant	Investigating the Integration of TGFbeta Signals During Asymmetric Cardiac Morphogenesis	American Heart Association	07/01/2010	06/30/2012	44,000
Enquist, Lynn W	1266429	Grant	National Center for Experimental Neuroanatomy with Neurotropic Viruses	University of Pittsburgh	08/15/2010	05/31/2011	201,238
Wang, Samuel S	1266428	Grant	ARRA: SIG: Rapid-Scanning Prairie Multiphoton Microscope System for Molecular Biology Models	National Institutes of Health	06/10/2010	06/09/2011	500,000
Gammie, Alison E	1266427	Grant	New Jersey Commission on Cancer Research Summer Fellowships for Princeton Undergraduates	NJ Commission on Cancer Research	06/01/2010	08/31/2010	20,000

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Molecular Biology (3)

ACTIVE SPONSORED PROJECTS

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<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Stock, Jeffry B	1264680	Grant	Rohto-Princeton Alliance	ROHTO Pharmaceutical Co., Ltd.	05/07/2010	05/06/2012	1,020,000
Garcia, Benjamin A Young, Nicolas L	1266425	Grant	NRSA: Investigation of the Histone Code in DNA Damage Response and Repair Mechanisms	National Institutes of Health	07/01/2010	06/30/2012	106,888
Zakian, Virginia A Bochman, Matthew L	1264678	Grant	Determining the Roles of the Rrm3 Helicase in Genome Maintenance	American Cancer Society, Inc. (ACS)	07/01/2010	06/30/2013	165,000
Garcia, Benjamin A	1264679	Grant	Epigenetic Biomarker Discovery in Cutaneous Neoplasms	Mt. Sinai School of Medicine	03/01/2010	02/28/2011	8,700
Kang, Yibin	1266424	Grant	The Role of miRNAs in Epithelial Mesenchymal Transition and Metastasis	National Institutes of Health	04/01/2010	01/31/2015	1,605,907
Silhavy, Thomas J Rigel, Nathan W	1266423	Grant	NRSA: Assembly of Outer Membrane Proteins in Escherichia coli	National Institutes of Health	09/01/2010	08/31/2012	98,932
Bassler, Bonnie L Rutherford, Steven T	1266421	Grant	Roles for Five Small RNAs Required for Quorum Sensing in Vibrio Harveyi	National Institutes of Health	04/01/2010	03/31/2013	151,974
Garcia, Benjamin A DiMaggio, Peter A Shenk, Thomas E	1266422	Grant	NRSA:A Proteomic Interrogation of the Histone Code during HCMV Infection	National Institutes of Health	04/01/2010	03/31/2013	145,314
Kang, Yibin Fang, Wenwen Landweber, Laura F	1266420	Grant	RNA-guided DNA Rearrangements in Breast Cancer	Army Medical Research Acquisition Activity	03/01/2010	02/28/2013	127,452
Kang, Yibin Hua, Yuling	1266419	Grant	The Role of EMT-related MicroRNAs in Breast Cancer Metastasis	Army Medical Research Acquisition Activity	03/01/2010	02/28/2013	127,232
Gitai, Zemer Klein, Eric A	1266417	Grant	NRSA:Regulation of Stalk Protein Localization in Caulobacter Crescentus	National Institutes of Health	02/01/2010	01/31/2013	158,250
Silhavy, Thomas J	1266416	Grant	ARRA: Genetic Analysis of Protein Export	National Institutes of Health	02/26/2010	01/01/2012	234,765
Eggenschwiler, Jonathan T	1266415	Grant	The Role of TEPM6 in SHH Signaling and Neural Identity	New Jersey Commission on	12/15/2009	12/30/2012	400,000
Shenk, Thomas E	1266413	Grant	Human Cytomegalovirus Latency in Cultured Monocytes	National Institutes of Health	02/15/2010	01/31/2015	1,781,515
Garcia, Benjamin A	1266414	Grant	CAREER: Quantitative Mass Spectrometry Analysis of Histone Codes in Saccharomyces cerevisiae	National Science Foundation	04/01/2010	03/31/2015	1,055,000
Garcia, Benjamin A	1266426						15,250
Burdine, Rebecca D Jaffe, Kimberly M	1266412	Grant	Kurly's Role in Left-Right Patterning and Congenital Heart Disease	National Institutes of Health	04/01/2010	03/31/2013	157,830
Martin, Adam C	1266409	Grant	Investigating the Molecular and Mechanical Regulation of Pulsed Actomyosin Contraction	National Institutes of Health	01/15/2010	12/31/2010	68,290
Bassler, Bonnie L	1266410	Grant	Intercellular Signaling in Vibrio harveyi	National Science Foundation	02/15/2010	01/31/2013	573,686
Gammie, Alison E	1264676	Grant	Minority Scholarship Program	Genentech, Inc.	01/12/2010	08/31/2010	13,920
Zakian, Virginia A	1266408	Grant	DNA Replication and Chromosome Structure in Yeast	National Institutes of Health	12/21/2009	11/30/2013	2,482,038
Gammie, Alison E	1266406	Grant	DNA Mismatch Repair and Cancer	NJ Commission on Cancer Research	12/01/2009	11/30/2011	243,900

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Molecular Biology (4)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Garcia, Benjamin A	1266404	Grant	Proteomic Screening for Epigenetic Cancer Codes	NJ Commission on Cancer Research	12/01/2009	11/30/2011	243,900
Eggenschwiler, Jonathan T Fuller, Kimberly P	1266401	Grant	The Role of Rab23 i n TGF-beta Signaling	NJ Commission on Cancer Research	12/01/2009	11/30/2011	50,000
Flint, Jane DeHart, Caroline J	1266400	Grant	A Biochemical Basis for the Hr6 Oncolytic Phenotype	NJ Commission on Cancer Research	12/01/2009	11/30/2011	50,000
Wieschaus, Eric F He, Bing	1266402	Grant	In Vivo Analysis of Drosophila Ventral Furrow Formation	NJ Commission on Cancer Research	12/01/2009	11/30/2011	86,000
Schwarzbauer, Jean E Wong, Ming-Ching	1266407	Grant	Transcriptional Control in Distal Tip Cell Migration	NJ Commission on Cancer Research	12/01/2009	11/30/2011	86,000
Cristea, Ileana M Tsai, Yuan-Chin	1266403	Grant	Induction of Host DNA Methylation by HIV-1 Infection	NJ Commission on Cancer Research	12/01/2009	11/30/2011	86,000
Enquist, Lynn W Taylor, Matthew P	1264672	Grant	Understanding Neuronal Traffic and Targeting of Alpha-Herpesviruses	American Cancer Society, Inc. (ACS)	01/01/2010	12/31/2012	165,000
Coller, Hilary A Rabinowitz, Joshua D	1266397	Grant	ARRA: Role of Tumor and Stromal Cell Metabolism in Stress Adaptation and Progression	Rutgers University	09/30/2009	08/31/2010	125,000
Rabinowitz, Joshua	1266398						125,000
Brody, Carlos D	1264669	Grant	Decoding and Recoding Sensation	Human Frontier Science Program Org. (HFSP)	10/01/2009	09/30/2012	209,892
Rose, Mark D	1266392	Grant	ARRA: Mechanisms of Nuclear and Cell Fusion in Yeast	National Institutes of Health	09/30/2009	08/31/2011	100,000
Schwarzbauer, Jean E	1266391	Grant	ARRA: Extracellular Matrix Modulation of Cell Phenotype	National Institutes of Health	09/30/2009	08/31/2010	85,000
Gavis, Elizabeth R	1266393	Grant	ARRA: Mechanism of RNA Localization in Drosophila Development	National Institutes of Health	09/30/2009	03/31/2012	457,756
Zakian, Virginia A	1266390	Grant	ARRA: Structure and Behaviour of Yeast Telomeres	National Institutes of Health	09/30/2009	11/30/2011	347,112
Enquist, Lynn W Wang, Samuel S	1266385	Grant	ARRA: Viral Brainbow: Tracing Brain Circuits with Connection Order Specificity	National Institutes of Health	09/30/2009	08/31/2012	306,258
Wang, Samuel S	1266386						396,038
Puchalla, Jason L	1266387						81,213
Enquist, Lynn W Wang, Samuel S	1266388						209,236
Legesse-Miller, Aster Coller, Hilary A Flint, Jane	1266384	Grant	The Role of MicroRNAs in Controlling Fibroblast Proliferation and Tumor Promotion	National Institutes of Health	09/16/2009	08/31/2014	709,870
Schwarzbauer, Jean E	1266383	Grant	Cell Migration Consortium	University of Virginia	08/01/2009	07/31/2010	101,673
Burdine, Rebecca D	1266382	Grant	ARRA: Analysis of Zebrafish npt and swt Mutants in Left-Right Patterning	National Institutes of Health	09/30/2009	01/31/2011	63,765
Shenk, Thomas E	1266380	Grant	ARRA: Cytomegalovirus Immediate Early Proteins and Virion RNAs	National Institutes of Health	08/01/2009	12/31/2010	172,564

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Molecular Biology (5)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Cox, Edward C	1266379	Grant	ARRA: CAAX Processing and Cell Signaling in Dictyostelium	National Institutes of Health	09/01/2009	03/31/2012	253,808
Wieschaus, Eric F	1264667	Grant	HHMI Investigator - graduate student support	Howard Hughes Medical	07/01/2009	06/30/2011	51,590
Gavis, Elizabeth R	1266377	Grant	The Regulation of Neural Crest Cell Migration during Zebrafish Development	National Institutes of Health	09/01/2009	03/31/2011	82,851
Killian, Eugenia C Cristea, Ileana M	1264665	Grant	A Hybrid Approach to Revealing Intermediate Structures of Herpes Simplex Virus During Infection	Human Frontier Science Program Org. (HFSPO)	07/01/2009	06/30/2012	299,889
Hughson, Frederick M	1264664	Grant	Structural and Functional Studies of Dsl1p Complex Interactions with SNAREs and Coat Proteins	American Heart Association	07/01/2009	06/30/2011	87,000
Yu, I-Mei Wingreen, Ned S	1264661	Grant	Thermally Robust Chemotaxis and Thermotaxis in Escherichia Coli	Human Frontier Science Program Org. (HFSPO)	09/01/2009	08/31/2012	19,500
Dobrovinski, Konstantin Kang, Yibin	1264662	Grant	Champalimaud Metastasis Programme at Princeton University	American Portuguese Biomedical Research Fund	05/01/2009	04/30/2014	505,750
Schupbach, Gertrud M	1264663	Grant	HHMI Investigator - graduate student support	Howard Hughes Medical	07/01/2009	06/30/2011	124,974
Schedl, Paul D	1266375	Grant	Molecular and Genetic Analysis of Chromatin Structure	National Institutes of Health	08/01/2009	07/31/2013	1,647,531
Murphy, Coleen T	1264660	Grant	2006 Pew Scholars Program: Quantitative Analysis of C. elegans Age-Related Cognitive Decline	Pew Scholars Program in the Biomedical Sciences	05/01/2009	07/31/2011	76,014
Kang, Yibin	1266374	Grant	Targeting Notch Signaling in Breast Cancer Metastasis	NJ Commission on Cancer Research	06/26/2009	06/25/2011	280,616
Tank, David W	1264659	Grant	Imaging the Organization and Dynamics of Hippocampal Place Cell Ensembles in Navigating Mice	Helen Hay Whitney Foundation	08/01/2009	07/31/2012	147,000
Harvey, Christopher D Garcia, Benjamin A	1264656	Grant	A Proteomic Approach to Understanding the Histone Code	American Society for Mass Spectrometry	06/01/2009	05/31/2012	25,000
Bassler, Bonnie L	1266373	Grant	Investigating Small RNA Control of Quorum Sensing	National Institutes of Health	07/01/2009	06/30/2012	144,150
van Kessel, Julia Catherine Zakian, Virginia A	1266372	Grant	The Role of Rif1p in Preferential Elongation of Short Telomeres	National Institutes of Health	03/01/2009	08/31/2010	37,662
McGee, Jean S Zakian, Virginia A	1266369	Grant	The role of Pif1p at G-quadruplexsites in the Genome	NJ Commission on Cancer Research	04/01/2009	09/30/2011	86,167
Paeschke, Katrin Eggenchwiler, Jonathan T	1266368	Grant	Role of Cilia Shh Signaling and CNS Tumorigenesis	NJ Commission on Cancer Research	04/01/2009	11/30/2010	29,830
Brown, Desmond A Cristea, Ileana M	1266370	Grant	Protein Interactions of the Telomerase Holoenzyme	NJ Commission on Cancer Research	04/01/2009	09/30/2011	50,000
McDonald, Karin R Zakian, Virginia A Silhavy, Thomas J	1266367	Grant	Genetic Analysis of Protein Export	National Institutes of Health	04/01/2009	03/31/2013	2,714,884
Gavis, Elizabeth R	1266366	Grant	Translational Regulation of Patterning in Drosophila	National Institutes of Health	05/01/2009	04/30/2013	1,271,964
Shenk, Thomas E	1266365	Grant	Human Cytomegalovirus Tegument Proteins	National Institutes of Health	05/01/2009	02/28/2014	1,848,851

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Molecular Biology (6)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Hughson, Frederick M	1266364	Grant	Structural Analysis of Golgi Trafficking Proteins	National Institutes of Health	03/01/2009	02/28/2013	1,318,381
Kang, Yibin	1266360	Grant	Tracking Mouse Mammary Stem Cell Dynamics During Breast Cancer and Pregnancy	Army Medical Research Acquisition Activity	01/01/2009	07/14/2010	76,210
Tiede, Benjamin J							
Sinsimer, Kristina S	1266358	Grant	NRSA: Identification of Nanos mRNA Localization Factors in Drosophila	National Institutes of Health	02/01/2009	10/31/2010	87,028
Gavis, Elizabeth R							
Coller, Hilary A	1266357	Grant	A Combined Computational and Experimental Approach to Defining Mechanisms of MicroRNA-Target Interactions	National Institutes of Health	01/01/2009	12/31/2012	1,102,856
Rose, Mark D	1266356	Grant	Mechanisms of Nuclear and Cell Fusion in Yeast	National Institutes of Health	01/01/2009	12/31/2012	1,824,571
Andrianantoandro, Ernesto							
Rose, Mark D	1266378						174,504
Andrianantoandro, Ernesto							
Kang, Yibin	1266355	Grant	Metadherin in Metastasis and Chemoresistance of Breast Cancer	National Institutes of Health	09/01/2008	08/31/2013	1,653,433
Eggenchwiler, Jonathan T							
Kang, Yibin	1264653	Grant	Testing the Role of Notch in TGF Beta-Mediated Breast Cancer Metastasis to Bone	Merck & Co., Inc.	11/10/2008	05/10/2011	80,000
Silhavy, Thomas J	1266354	Grant	Surface-exposure of lipoproteins in Gram-negative Bacteria	National Institutes of Health	11/01/2008	10/31/2010	97,300
Cowles, Charles E							
Coller, Hilary A	1264651	Grant	Mechanisms for Detoxifying Free Radicals in Quiescent Fibroblasts: Applications to Treating Fibrotic Disease	Johnson & Johnson	10/01/2008	09/30/2012	112,600
Beeson, Teresa D	1266349	Grant	NRSA: Human Cytomegalovirus Episome Maintenance and Propagation of Genetic Damage	National Institutes of Health	09/30/2008	08/31/2012	142,530
Shenk, Thomas E							
Notterman, Daniel A	1264650	Grant	Autism and SNPs in the IGF Pathway	The Simons Foundation	09/01/2008	08/31/2011	450,000
Kang, Yibin	1266348	Grant	Functional Role of Metadherin Subcellular Localization in Breast Cancer	National Institutes of Health	09/30/2008	09/29/2010	69,005
Blanco, Mario A							
Gitai, Zemer	1266346	Grant	Discovering Antibiotic Drugs & Targets Via High-Throughput Bacterial Cell Biology	National Institutes of Health	09/30/2008	08/31/2013	2,415,000
Cristea, Ileana M	1266345	Grant	Proteomic Approaches to Chromatin Remodeling Complexes and their Modulation During HIV-1 Infection	National Institutes of Health	09/05/2008	07/31/2013	3,953,034
Wingreen, Ned S	1266350	Grant	Thermally Robust Chemotaxis and Thermotaxis in Escherichia	National Institutes of Health	09/01/2008	06/30/2012	666,303
Wingreen, Ned S	1266351						360,018
Wingreen, Ned S	1266352						213,598
Wingreen, Ned S	1266363						313,559
Mehta, Pankaj	1266343	Grant	A quantitative study of cell-to-cell communication in bacteria	National Institutes of Health	09/01/2008	07/31/2010	190,846
Wingreen, Ned S							
Shi, Yigong	1266338	Grant	Structural Biology of Intramembrane Proteolysis	National Institutes of Health	09/01/2008	11/30/2010	663,442
Notterman, Daniel A	1264645	Grant	Autism and SNPs in the IGF Pathway	Nancy Lurie Marks Family Foundation	09/01/2008	06/30/2011	186,188

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Molecular Biology (7)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Gitai, Zemer Cowles, Kimberly N	1266333	Grant	Subcellular Protein Localization in Pseudomonas Aeruginosa Virulence	National Institutes of Health	06/01/2008	05/31/2011	149,034
Broach, James R Ault, Addison D Weiss, Ron	1266320	Grant	Highly Extensible Programmed Biosensing Circuits with Fast Memory	Army Research Office	07/01/2008	06/30/2011	256,131
Weiss, Ron	1266411						182,487
Coller, Hilary A	1266319	Grant	The Role of MicroRNAs in Cellular Quiescence	National Institutes of Health	07/01/2008	06/30/2013	1,388,691
Berry, Michael J	1266318	Grant	Neural Computation in the Retina	National Institutes of Health	07/01/2008	06/30/2012	1,476,143
Schwarzbauer, Jean E	1266307	Grant	Predocutorial Training in Genetics and Molecular Biology	National Institutes of Health	07/01/2008	06/30/2013	1,325,640
Schwarzbauer, Jean	1266312						1,127,358
Schwarzbauer, Jean	1266313						140,940
Gitai, Zemer	1264641	Grant	Identifying and Characterizing Bacterial Cytoskeletal Elements and Small Molecules that Target them	Human Frontier Science Program Org. (HFSP)	06/01/2008	05/31/2012	289,889
Schwarzbauer, Jean E	1266304	Grant	Extracellular Matrix Modulation of Cell Phenotype	National Institutes of Health	05/15/2008	04/30/2012	1,486,929
Enquist, Lynn W	1266303	Grant	Neuronal Spread of Herpesvirus Infection	National Institutes of Health	05/15/2008	04/30/2013	1,745,408
Enquist, Lynn W	1266434						40,250
Enquist, Lynn W	1266437						58,750
Kang, Yibin	1266302	Grant	Targeting Transforming Growth Factor-Beta in Metastatic Breast Cancer	The Cancer Institute of New Jersey	07/01/2007	05/31/2012	30,400
Enquist, Lynn W Kobiler, Oren	1264639	Grant	The Role of Host Genes in the Development of Alpha-Herpesviruses Infection	Int. Human Frontier Sci. Prog. Org. (IHFSP)	04/01/2008	11/30/2011	18,220
Broach, James R Dul, Barbara	1264638	Grant	Identification of Substrates and Targets of the TOR Pathway in S. Pombe	American Cancer Society, Inc. (ACS)	07/01/2008	06/30/2011	138,000
Gavis, Elizabeth R	1266301	Grant	Mechanism of RNA Localization in Drosophila Development	National Institutes of Health	04/01/2008	03/31/2012	1,311,567
Gavis, Elizabeth R	1266342						25,000
Brody, Carlos D	1264636	Grant	Swartz-Sloan Centers for Theoretical Neurobiology: Annual Summer Meeting 2008	Alfred P. Sloan Foundation	03/01/2008	06/30/2011	22,900
Kang, Yibin Korpai, Manav	1266300	Grant	A Mouse Model for In Vivo Detection and Disruption of TGF-Beta Signaling in Breast Cancer Metastasis	Army Medical Research & Materiel Command	09/01/2008	11/12/2010	64,491
Cox, Edward C	1266297	Grant	CAAX Processing and Cell Signaling in Dictyostelium	National Institutes of Health	04/01/2008	03/31/2012	1,124,392
Wieschaus, Eric F Wang, Yu-Chiun	1264635	Grant	The Developmental Function of Transient Morphogenetic Furrows during Drosophila Gastrulation	Helen Hay Whitney Foundation	04/01/2008	05/31/2011	142,000
Schwarzbauer, Jean E	1266295	Grant	Human ES Cells and Nueral Transplantation	Rutgers University	10/01/2007	08/31/2010	92,000
Hughson, Frederick M Bassler, Bonnie L Sammelhack, Martin F	1266294	Grant	Structure-Function Analysis of AI-2 Quorum Sensing	National Institutes of Health	03/01/2008	02/28/2013	1,362,877

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Molecular Biology (8)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Bassler, Bonnie L	1266298	Grant	<i>Continued from Above</i>	National Institutes of Health	03/01/2008	02/28/2013	311,905
Semmelhack, Martin F	1266299						622,745
Hughson, Frederick	1266394						193,145
Bassler, Bonnie L							
Semmelhack, Martin F							
Wang, Samuel S	1266293	Grant	Dendritic Integration and Cerebellar Synaptic Plasticity	National Institutes of Health	12/15/2007	11/30/2012	1,558,400
Zakian, Virginia A	1266292	Grant	Structure and Behaviour of Yeast Telomeres	National Institutes of Health	12/01/2007	11/30/2011	1,922,643
Gitai, Zemer	1264629	Grant	Quantitative Analysis of Cell Biological Dynamics in Bacteria	Arnold and Mabel Beckman Foundation	09/01/2007	12/31/2010	300,000
Berry, Michael J	1266288	Grant	Complex Pattern Detection in the Retina	National Institutes of Health	09/30/2007	08/31/2012	1,886,506
Gitai, Zemer	1266285	Grant	Global Analysis of Caulobacter Protein localization	National Institutes of Health	08/01/2007	07/31/2010	148,182
Werner, John N							
Bassler, Bonnie L	1266283	Grant	Intra- and Inter-Species Communication in Bacteria	National Institutes of Health	08/17/2007	06/30/2012	1,207,528
Stock, Jeffrey B	1264626	Grant	Protein Phosphatase 2A Methylation as a Therapeutic Target for Parkinson's Disease	American Parkinson Disease	09/01/2007	08/31/2010	160,000
Bassler, Bonnie L	1266257	Grant	Intercellular Signaling in Vibrio harveyi	National Science Foundation	04/01/2007	03/31/2011	357,667
Broach, James R	1266255	Grant	Ras and Tor Signaling in Yeast	National Institutes of Health	04/01/2007	03/31/2011	1,526,494
Broach, James R	1266442						33,697
Shi, Yigong	1266256	Grant	Structural Biology of Tumor Suppressor PP2A and its Regulatory Proteins	National Institutes of Health	04/01/2007	08/31/2010	768,976
Burdine, Rebecca D	1266253	Grant	Analysis of Zebrafish npt and swt Mutants in Left-Right	National Institutes of Health	02/15/2007	01/31/2012	1,628,650
Silhavy, Thomas J	1266252	Grant	Regulation of Stationary Phase in Escherichia Coli	National Institutes of Health	02/01/2007	07/31/2011	1,158,107
Schupbach, Gertrud M	1266251	Grant	EGF Receptor Mediated Signaling in Drosophila	National Institutes of Health	02/01/2007	02/28/2011	1,103,653
Murphy, Coleen T	1264620	Grant	2006 Pew Scholars Program: Quantitative Analysis of C. elegans Age-Related Cognitive Decline	University of California - San Francisco	07/01/2006	08/15/2010	165,353
Broach, James R	1266238	Grant	ONCOLOGY:Molecular Basis of Cancer	National Institutes of Health	09/29/2006	06/30/2012	0
Broach, James R	1266249						503,156
Broach, James R	1266250						78,682
Broach, James R	1266361						94,726
Broach, James R	1266448						50,317
Wieschaus, Eric F	1266231	Grant	Oogenesis and Early Embryogenesis in Drosophila - MERIT AWARD PROGRAM (Method to Extend Research in Time Award)	National Institutes of Health	07/01/2006	05/31/2011	912,222
Notterman, Daniel A	1266291						401,927
Kang, Yibin	1266228	Grant	Systems Biology of Breast Cancer Metastasis	Army Medical Research & Materiel Command	07/01/2006	06/30/2012	3,849,085

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Molecular Biology (9)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Enquist, Lynn W Szpara, Moriah L	1266213	Grant	Herpes Simplex Virus FC Receptor	University of Pennsylvania	05/01/2006	04/30/2011	346,525
Shi, Yigong	1266206	Grant	Structural Studies of Caspase Activation in Apoptosis	National Institutes of Health	04/01/2006	08/31/2010	1,451,993
Shenk, Thomas E Cuevas, Christian D	1266205	Grant	Cytomegalovirus Immediate Early Proteins and Virion RNAs	National Institutes of Health	02/15/2006	12/31/2011	1,504,981
Shenk, Thomas E	1266287						112,435
Gitai, Zemer	1266201	Grant	Dynamic Spatial Organization of Multi-Protein Complexes Controlling Microbial Polar Organization, Chromosome Replication, and Cytokinesis	Stanford University	09/01/2005	08/31/2011	1,845,578
Kang, Yibin	1264610	Grant	Functional Genomics Analysis of Breast Cancer Dormancy and Progression	American Cancer Society, Inc. (ACS)	01/01/2006	12/31/2010	840,000
Schedl, Paul D	1266190	Grant	Orb Gene Function in Translational Regulation	National Institutes of Health	09/01/2005	08/31/2010	956,446
Wingreen, Ned S	1266188	Grant	Modeling Min-Protein Oscillations in Bacteria	National Institutes of Health	08/01/2005	07/31/2011	1,084,344
Schwarzbauer, Jean E Williams, Selwyn A	1266172	Grant	Fibronectin Assembly, Structure and Function	National Institutes of Health	04/01/2005	02/28/2011	1,593,545
Enquist, Lynn W	1266167	Grant	Genetic Analysis of Herpesvirus Tropism and Virulence	National Institutes of Health	01/25/2005	12/31/2011	2,546,816
Shenk, Thomas E	1266165	Grant	Human Cytomegalovirus G Protein-Coupled Receptors	National Institutes of Health	01/01/2005	12/31/2010	1,512,063
Wang, Samuel S	1266158	Grant	CAREER: Optical Approaches to Synaptic Learning Rules	National Science Foundation	08/01/2004	07/31/2010	825,984
Wang, Samuel S	1266263						5,927
Wang, Samuel S	1264590	Grant	Keck Distinguished Young Scholar: Multiphoton Optical Approaches to Sensory Encoding in the Cerebellum	Keck Foundation (The W. M.)	07/01/2004	12/31/2010	1,032,302
Lemischka, Ihor R	1264518	Cooperative Agreement	Stem Cell Genomics	ImClone Systems Incorporated	05/01/2000	10/31/2010	600,260
Lemischka, Ihor R	1264519						1,056,843

Contributions Made to Other Units :

Chemical and Biological Engineering

Benjamin A. Garcia

Lewis-Sigler Institute for Integrative Genomics

Michael J Berry

David Botstein

Hilary A Collier

Manuel Llinás

Coleen T Murphy

Gertrud M Schupbach

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

ACTIVE SPONSORED PROJECTS

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Contributions Made to Other Units (cont.) :

Lewis-Sigler Institute for Integrative Genomics (cont):

Thomas E Shenk

John D Storey

David W Tank

Eric F Wieschaus

Ned S Wingreen

Physics

Ned S Wingreen

Princeton Environmental Institute (PEI)

Ned S Wingreen

Princeton Neuroscience Institute

David W Tank

PRISM

Jean E Schwarzbauer

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Music

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Lansky, Paul	2254009	Grant	Proposal to Augusting Foundation for Classical Guitar Composition	Augustine Foundation	01/01/2011	12/31/2012	5,000

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Near Eastern Studies / NES Program

ACTIVE SPONSORED PROJECTS7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Haykel, Bernard A	2324023	Grant	A Political History of Saudi Arabia	Smith Richardson Foundation, Inc.	07/01/2010	08/31/2012	125,000
Kunkler, Mirjam	2324024	Grant	Iran Social Science Information Project	Social Science Research Council	03/15/2010	06/30/2012	42,104
Kunkler, Mirjam	2324022	Grant	Iran Social Science Information Project	Social Science Research Council	03/15/2009	06/30/2012	100,000
Hanioglu, M. Sukru	4166228	Grant	National Resource Center and Foreign Language and Area Studies Fellowships Programs	U.S. Department of Education	08/15/2010	08/14/2014	1,077,408
Reynolds, Michael A	4164033	Grant	Junior Faculty Research International Program	Smith Richardson Foundation, Inc.	11/01/2007	09/01/2011	60,000
Hanioglu, M. Sukru	4166227	Grant	NRC and FLAS Program: Comprehensive Center at the Princeton University Program in Near Eastern Studies	U.S. Department of Education	08/15/2006	10/14/2010	968,129
Hanioglu, M. Sukru	4166226	Grant	National Resource Center / Foreign Language and Area Studies Fellowships	U.S. Department of Education	08/15/2006	08/14/2010	564,000

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ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Massey, William A	1806076	Grant	Seventeenth Conference for African American Researchers in the Mathematical Sciences (CAARMS17)	National Security Agency	04/04/2011	04/03/2012	34,000
Massey, William A	1806074	Grant	Conference for African American Researchers in the Mathematical Sciences (CAARMS 16, 17 & 18)	National Science Foundation	03/01/2011	02/28/2014	114,405
Powell, Warren B	1806073	Subcontract	High-Performance Computing for Stochastic Optimization in Energy Systems Analysis	Lawrence Livermore National Laboratory	12/06/2010	12/31/2011	260,000
Rudloff, Birgit	1806072	Grant	Pricing, Hedging and Measuring Risk in Markets with Transaction Costs	National Science Foundation	09/15/2010	08/31/2013	180,000
Vanderbei, Robert J	1806071	Grant	PIAA Apodization Coronagraphy Development and Laboratory Validation	University of Arizona	02/19/2010	02/18/2012	60,000
Powell, Warren B Simao, Hugo P	1806070	Grant	ARRA: Stochastic Control of Distributed Energy Generation and Storage: Managing the Smart Grid for New York City	Columbia University	06/01/2010	05/31/2012	534,843
Mulvey, John M	1804191	Grant	A Probabilistic Analysis of Nuclear Terrorism	Carnegie Corporation of New York	08/01/2010	12/31/2010	25,000
van Handel, Ramon	1806069	Grant	Ergodic Theory of Decisions Under Partial Information	National Science Foundation	08/01/2010	07/31/2013	145,594
Massey, William A	1806068	Grant	Sixteenth Conference for African American Researchers in the Mathematical Sciences (CAARMS16)	National Security Agency	04/05/2010	04/04/2011	27,325
Powell, Warren B	1804190	Contract	Approximate Dynamic Programming and Optimal Learning for Efficient Business Processes	SAP Labs, LLC	07/01/2010	06/30/2012	400,000
d'Aspremont, Alexandre W	1806067	Grant	Collaborative Research: Mathematical Programming for Streaming Data	National Science Foundation	06/01/2010	05/31/2013	169,851
Fan, Jianqing	1806066	Grant	Statistical Methods for Ultrahigh-dimensional Biomedical Data	National Institutes of Health	02/01/2010	01/31/2014	1,066,571
Powell, Warren B	1806063	Grant	Collaborative Research: Stochastic Multi-scale Optimization for Energy Resource Planning	National Science Foundation	07/01/2009	06/30/2012	246,000
Rigollet, Philippe	1806062	Grant	Optimal Sequential Allocation in Dynamic Environments	National Science Foundation	07/15/2009	06/30/2012	110,000
d'Aspremont, Alexandre W	1806060	Grant	CAREER: Semidefinite Programming with Applications in Statistical Learning	National Science Foundation	01/01/2009	12/31/2013	401,100
Powell, Warren B	1806059	Grant	Sequential Sampling and Dynamic Sensor Management for Nuclear Detection	Rutgers University	09/15/2008	08/31/2010	249,537
d'Aspremont, Alexandre W	1806058	Grant	CDI-Type II: Collaborative Research: Sparse Inference: New Tools for Structural Knowledge Discovery	National Science Foundation	09/15/2008	02/28/2013	417,179
Sircar, Ronnie	1806055	Grant	Research in Financial Mathematics	National Science Foundation	07/01/2008	06/30/2011	219,000
Carmona, Rene A	1806054	Grant	Mathematics of Emissions Markets: Design, Models, Analysis and Simulations.	National Science Foundation	07/01/2008	06/30/2012	234,000
Powell, Warren B	1806053	Grant	Renewal: Information Acquisition and Representation Methods for Real-Time Asset Management.	Air Force Office of Scientific Research	04/01/2008	11/30/2010	432,314

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Operations Research and Financial Engineering (2)

ACTIVE SPONSORED PROJECTS 7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Carmona, Rene A Massey, William A Rudloff, Birgit Sircar, Ronnie	1806050	Grant	EMSW21-RTG: Training, Mentoring & Research in the Mathematics of Stochastic Analysis and Applications	National Science Foundation	02/15/2008	01/31/2013	889,500
Carmona, Rene A Massey, William A Rudloff, Birgit Sircar, Ronnie	1806052						1,346,270
Carmona, Rene A Massey, William A Rudloff, Birgit Sircar, Ronnie	1806057						33,000
Carmona, Rene A Massey, William A Rudloff, Birgit Sircar, Ronnie	1806064						25,000
Fan, Jianqing	1806046	Grant	Development of bioinformatic methods for studying gene expression network between inflammation and neuronal regeneration	National Science Foundation	08/15/2007	07/31/2012	609,999
Fan, Jianqing	1806044	Grant	High-dimensional statistical learning and inference	National Science Foundation	06/15/2007	05/31/2012	920,001
Cheridito, Patrick	1806039	Grant	CAREER: Quantification of Risk	National Science Foundation	07/01/2007	06/30/2012	400,003
Powell, Warren B Bouzaïene-Ayari, Belgacem	1804181	Contract	Real-Time Optimization Models	United Parcel Service	04/01/2005	03/31/2012	855,703
Powell, Warren B	1804189						735,326
Powell, Warren B	1804173	Cooperative Agreement	Modeling Technologies for Dynamic Resource Management in Truckload Trucking	Schneider National, Inc.	08/01/2002	12/31/2017	1,078,723
Powell, Warren B	1804149	Other	Dynamic Resource Management Technologies for Continuous Demand Operations	Air Products and Chemicals, Inc.	09/01/1995	09/30/2011	178,550

Contributions Made to Other Units :

Mechanical and Aerospace Engineering
Robert J. Vanderbei

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Papers of Thomas Jefferson

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Oberg, Barbara B	3756044	Grant	The Papers of Thomas Jefferson	National Archives & Records Administration	07/01/2010	06/30/2011	173,870
Oberg, Barbara B	3754002	Grant	The Papers of Thomas Jefferson - Challenge Grant	The Pew Charitable Trusts	07/31/2006	12/31/2011	2,104,620

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Philosophy

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Harman, Gilbert H	2406003	Grant	Twentieth Century Philosophy: Quine and Davidson	National Endowment for the Humanities	10/01/2010	09/30/2011	165,588
Harman, Gilbert H	2406004						112,500
Frankfurt, Harry G	2404005	Grant	Emeritus Fellowship	The Andrew W. Mellon Foundation	10/01/2009	09/30/2011	52,031
Garber, Daniel	2406001	Grant	Descartes, Galileo, Hobbes: Philosophy and Science, Politics and Religion During the Scientific Revolution	National Endowment for the Humanities	10/01/2009	09/30/2010	126,698
Garber, Daniel	2406002						56,100
Halvorson, Hans P	2404004	Grant	New Directions Fellowship Program	The Andrew W. Mellon Foundation	06/01/2007	12/31/2011	265,520
Halvorson, Hans P	2404006						15,000

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Physics

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Hasan, M. Zahid	2456710	Grant	Task 2: ARPES Characterization of Topological Insulator Band Structure	Purdue University	06/14/2011	12/13/2012	50,000
Bernevig, Bogdan A	2456708	Grant	New Topological Insulators with Point Group Symmetry	Office of Naval Research	04/01/2011	03/31/2014	538,086
Jones, William C	2456707	Grant	Probing Fundamental Physics with the Spider Antarctic Long Duration Balloon Experiment	National Science Foundation	06/15/2011	05/31/2013	257,933
Olsen, James D	2456705	Contract	US-CMS LPC Fellowship for David Lopes Pegna	Fermi National Accelerator Laboratory	02/01/2011	01/31/2012	76,022
McDonald, Kirk T	2456704	Grant	Memorandum of Understanding Between Princeton University and Brookhaven National Laboratory	Brookhaven National Laboratory	04/11/2011	12/31/2016	298,100
Jones, William C	2454183	Grant	David and Lucille Packard Foundation - 2010	The David and Lucile Packard Foundation	10/15/2010	10/14/2015	875,000
Tully, Christopher G Gerbaudo, Davide	2456702	Grant	Search for the Higgs Boson in the Final State with Two Muons Plus Missing Energy	Universities Research Association, Inc.	11/01/2010	10/31/2011	1,832
Callan, Curtis G Bialek, William	2456700	Grant	Collaborative Research: PoLS Student Research Network	National Science Foundation	10/01/2010	09/30/2014	581,099
Callan, Curtis G Bialek, William	2456701						60,001
Galbiati, Cristiano Calaprice, Frank P Meyers, Peter D	2456699	Grant	Collaborative Research: A Depleted Argon Detector for a Dark Matter Search	National Science Foundation	10/01/2010	09/30/2013	1,895,812
Galbiati, Cristiano Calaprice, Frank P Meyers, Peter D	2456711						1,244,699
Page, Lyman A Spergel, David N	2456698	Grant	Data Analysis and Systematic Tests for the WMAP Satellite	NASA Goddard Space Flight Center	08/03/2010	08/02/2012	350,000
Hasan, M. Zahid	2456697	Grant	Topological Electronic Structure in Strong Spin-orbit Coupled Materials	National Science Foundation	09/15/2010	08/31/2015	600,000
Callan, Curtis G Bialek, William Wingreen, Ned S	2456696	Grant	The Theoretical Physics of Biological Systems	National Science Foundation	09/01/2010	08/31/2013	900,000
Bernevig, Bogdan A	2456693	Grant	CAREER: Emergent Phenomena in New Quantum Materials	National Science Foundation	08/15/2010	07/31/2015	450,000
Page, Lyman A Spergel, David N Staggs, Suzanne T	2456688	Grant	ACTPol: The Atacama Cosmology Telescope with Polarization.	National Science Foundation	09/15/2010	08/31/2015	6,907,206
Page, Lyman A Spergel, David N Staggs, Suzanne T	2456689						163,108

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Physics (2)

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Page, Lyman A Spergel, David N Staggs, Suzanne T	2456690	Grant	<i>Continued from above</i>	National Science Foundation	09/15/2010	08/31/2015	1,053,088
Page, Lyman A Spergel, David N Staggs, Suzanne T	2456691						1,276,598
Sondhi, Shivaji L	2456686	Grant	Condensed Matter Systems with Emergent Gauge Fields	National Science Foundation	10/01/2010	09/30/2013	300,000
Lieb, Elliott H	2456685	Grant	The Quantum Mechanical Many-body Problem and Statistical Mechanics	National Science Foundation	07/15/2010	06/30/2013	511,455
Steinhardt, Paul J Florescu, Marian	2456684	Grant	EAGER: Hyperuniform Disordered Photonic Band Gap Materials	National Science Foundation	08/01/2010	07/31/2012	132,843
Romalis, Michael V	2456682	Grant	Precision Measurements with Ultra-sensitive Magnetometers and Their Fundamental Limits	National Science Foundation	07/01/2010	06/30/2013	480,000
Jones, William C Rahlin, Alexandra S	2456683	Grant	Probing Inflation and the Early Universe with Measurements of the Large Scale Polarization of the Cosmic Microwave Background Radiation	NASA Headquarters - Washington	09/01/2010	08/31/2012	60,000
Puchalla, Jason L	2456681	Grant	Mechanism of Protein Folding Intermediate Disaggregation by Molecular Chaperones	Texas A&M University	05/15/2010	04/30/2014	187,416
Sondhi, Shivaji L	2456680	Grant	The Statistical Mechanics of Quantum Satisfiability	National Science Foundation	09/01/2010	08/31/2013	518,027
Herzog, Christopher P	2454181	Grant	Gauge/Gravity Dualities	Alfred P. Sloan Foundation	09/15/2010	09/15/2012	50,000
Halyo, Valerie	2456677	Grant	ARRA: Diamond Pixel Luminosity Telescopes	DOE - Chicago	04/15/2010	04/14/2015	323,644
Halyo, Valerie	2456687						426,356
Marlow, Daniel R	2456676	Grant	ARRA: Exploring New Physics Beyond the Standard Model	DOE - Chicago	04/15/2010	04/14/2015	750,000
Happer, William	2456675	Grant	Physics of Optically Pumped Alkali-Metal Atoms	Air Force Office of Scientific Research	04/15/2010	04/14/2013	705,958
Happer, William	2456703						32,336
Tully, Christopher G Saka, Halil	2454180	Grant	Search for Pair Production of 3rd Generation Scalar Leptoquarks in the $t\bar{t}\tau^+\tau^-$ Channel	Universities Research Association, Inc.	04/01/2010	03/31/2011	4,000
Gregor, Thomas	2454182	Grant	Physical Constraints and Genetic Regulation in Early Embryonic Development	Searle Scholars Program	07/01/2010	06/30/2013	300,000
Piroue, Pierre A	2456673	Grant	US Compact Muon Solenoid Research Program - Travel Costs	Fermi National Accelerator Laboratory	02/01/2010	09/30/2012	19,000
Austin, Robert H	2456672	Grant	Evolution: Foundations, Fundamentals, and Disease	National Science Foundation	02/01/2010	01/31/2011	22,286
Tully, Christopher G Gerbaudo, Davide	2454179	Grant	Search for a Higgs Boson in the Final State with Two Muons Plus Missing Energy	Universities Research Association, Inc.	10/01/2009	10/28/2010	9,360
McDonald, Kirk T	2456671	Grant	SiD Detector R & D	University of Oregon	08/15/2009	08/14/2012	112,499
Calaprice, Frank P	2456669	Grant	EAGER: Research and Development of Dark Matter Detectors for Borexino	National Science Foundation	10/01/2009	09/30/2012	200,000

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Physics (3)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Galbiati, Cristiano	2456668	Cooperative	MAX: Multi-ton Argon and Xenon TPCs	National Science Foundation	10/01/2009	09/30/2012	2,297,833
Meyers, Peter D		Agreement					
Galbiati, Cristiano	2456678						1,211,733
Meyers, Peter D							
Romalis, Michael V	2456667	Grant	Optical Detection of NMR in Liquids	National Science Foundation	09/15/2009	08/31/2012	276,801
Galbiati, Cristiano	2456664	Grant	DUSEL R&D: Depleted Argon from Underground Sources	National Science Foundation	09/01/2009	08/31/2011	1,666,772
Calaprice, Frank P							
Meyers, Peter D							
Romalis, Michael V	2456665	Grant	Ultra-sensitive Fiber-optic Magnetometer Array (UFMA)	Air Force Research Laboratory (WPAFB)	08/14/2009	08/14/2013	5,063,657
Page, Lyman A	2456666	Grant	A Prototype CMB Polarimeter for a Space Mission	NASA Headquarters - Washington	09/01/2009	08/31/2012	90,000
Parker, Lucas P							
Herzog, Christopher P	2456634	Grant	ARRA: CAREER: A Holographic World	National Science Foundation	07/01/2009	06/30/2014	400,000
Galbiati, Cristiano	2454178	Grant	Universities Research Association Visiting Scholars Program - Galbiati	Universities Research Association, Inc.	05/06/2009	08/31/2010	20,000
Page, Lyman A	2456631	Grant	Gravitational Physics from the Cosmic Microwave Background	National Science Foundation	05/15/2009	04/30/2012	2,343,739
Page, Lyman A	2456632						85,000
Jones, William C	2454176	Grant	Sloan Fellowship	Alfred P. Sloan Foundation	09/16/2009	09/15/2011	50,000
Bernevig, Bogdan A	2454174	Grant	Sloan Fellowship	Alfred P. Sloan Foundation	09/16/2009	09/15/2011	50,000
Hasan, M. Zahid	2454175	Grant	Sloan Fellowship	Alfred P. Sloan Foundation	09/16/2009	09/15/2011	50,000
Petta, Jason R	2456628	Grant	CAREER: Coupled Quantum Degrees of Freedom in Semiconductor Nanostructures	National Science Foundation	04/01/2009	03/31/2014	525,000
Seiringer, Robert	2456626	Grant	CAREER: Analysis of Quantum Many Body Systems	National Science Foundation	06/01/2009	08/31/2010	288,784
Petta, Jason R	2456625	Grant	Coherent transfer of spin via a single-electron shuttle	Space and Naval Warfare Systems Command	01/23/2009	01/22/2011	380,502
Jones, William C	2456624	Grant	Planck HFI Sub-Award	Cal Tech - Jet Propulsion Lab (JPL)	12/12/2008	09/30/2013	371,484
Petta, Jason R	2454173	Grant	Packard Fellowship - Quantum Mechanical Phenomena in Nanometer Scale Systems	The David and Lucile Packard	10/15/2008	10/14/2013	875,000
Halyo, Valerie	2454172	Grant	LHC Physics Center	Fermi National Accelerator Laboratory	10/01/2008	03/31/2011	10,000
Marlow, Daniel R	2456623	Grant	Ringside Seats for US CMS Graduate Students During the Startup of the LHC	National Science Foundation	10/01/2008	09/30/2012	465,752
Petta, Jason R	2456621	Grant	EM/QIS: GaAs Hole Spins as Qubits: Eliminating Hyperfine Interaction-induced Decoherence	National Science Foundation	09/01/2008	08/31/2011	280,500
Pfeiffer, Loren N							
Shayegan, Mansour							
Shayegan, Mansour	2456622						279,500
Pfeiffer, Loren N	2456635						40,000

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Physics (4)

ACTIVE SPONSORED PROJECTS
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<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Austin, Robert H	2454171	Grant	Green Batteries: Photosynthetic Hydrogen Production and Power Generation in a Nanofabricated Chemostat	King Abdullah University of Science and Technology	10/01/2008	09/30/2010	189,597
Yazdani, Ali	2454169	Grant	A Novel High-Frequency Scanning Tunneling Microscope for Probing and Manipulating Quantum Dynamics at the Nanoscale	Keck Foundation (The W. M.)	07/01/2008	06/30/2011	1,113,813
Petta, Jason R Yazdani, Ali	2454170						192,011
Austin, Robert H	2456616	Grant	The Physics of Evolution and Adaptation in a Nanofabricated World	National Science Foundation	07/01/2008	06/30/2011	360,000
McDonald, Kirk T	2456614	Grant	Daya Bay	Brookhaven National Laboratory	04/01/2008	09/30/2011	272,088
McDonald, Kirk T	2456615						239,716
Klebanov, Igor R	2456613	Grant	Theoretical Physics	National Science Foundation	05/01/2008	04/30/2013	2,730,000
Petta, Jason R	2456612	Grant	PECASE: Coherent control of single spins in semiconducting nanowire	Army Research Office	06/01/2008	05/31/2015	500,000
Petta, Jason R	2456670						600,000
Petta, Jason R	2456679						6,000
Petta, Jason R	2454168	Grant	Sloan Foundation Grant	Alfred P. Sloan Foundation	09/16/2008	09/15/2012	50,000
Tully, Christopher G Marlow, Daniel R	2456610	Cooperative Agreement	US CMS Upgrade R&D M&O Subsystem for FY 2008 - Magnetic Testing	Fermi National Accelerator Laboratory	10/01/2007	09/30/2012	94,500
Marlow, Daniel R Tully, Christopher G	2456611						87,425
Calaprice, Frank P Benziger, Jay B Galbiati, Cristiano	2456608	Grant	Borexino Solar Neutrino Experiment	National Science Foundation	03/01/2008	02/29/2012	2,061,650
Calaprice, Frank P Benziger, Jay B Galbiati, Cristiano	2456609						836,350
Calaprice, Frank P Benziger, Jay B Galbiati, Cristiano	2456619						50,179
Calaprice, Frank P Benziger, Jay B Galbiati, Cristiano	2456695						350,000
Marlow, Daniel R	2456606	Cooperative Agreement	US CMS Forward Pixels M & O Subsystem	Fermi National Accelerator Laboratory	10/01/2007	09/30/2012	165,986
Marlow, Daniel R	2456607						82,382
Staggs, Suzanne T Page, Lyman A	2456605	Grant	A New Scheme for Measuring CMB Polarization	NASA Headquarters - Washington	12/12/2007	12/11/2011	283,670

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Physics (5)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Pretorius, Frans	2456603	Grant	Career: Numerical Exploration of Dynamical, Strong-field Gravity	National Science Foundation	07/01/2008	06/30/2013	775,000
Yazdani, Ali	2456600	Grant	Probing Correlated Superconductors and their Phase Transitions on the Nanometer Scale	DOE - Washington	08/01/2007	07/31/2013	740,000
Yazdani, Ali	2456694						900,000
Callan, Curtis G	2456599	Grant	Theoretical Physics of Biological Systems	National Science Foundation	09/01/2007	08/31/2010	900,000
Bialek, William							
Wingreen, Ned S							
Huse, David A	2456596	Grant	Optical Lattice Simulations of Correlated Fermions	Rice University	07/01/2007	06/30/2012	751,491
Romalis, Michael V	2456595	Grant	"Quantum Magnetometer for Detection of Explosives with Nuclear Quadrupole Resonance"	National Science Foundation	09/01/2007	08/31/2010	199,740
Page, Lyman A	2456594	Grant	Data Analysis And Systematic Tests for the WMAP Satellite	NASA Goddard Space Flight Center	08/01/2007	07/31/2011	1,460,478
Spergel, David N							
Spergel, David N	2456597						437,474
Page, Lyman A							
Galbiati, Cristiano	2456591	Grant	Study of Argon for WIMP Dark Matter Detectors and Earth Sciences	National Science Foundation	06/15/2007	05/31/2012	2,019,331
Calaprice, Frank P							
Pretorius, Frans	2454164	Grant	Sloan Foundation Award	Alfred P. Sloan Foundation	09/16/2007	09/15/2011	45,000
Lieb, Elliott H	2456585	Grant	The Quantum Mechanical Many-Body Problem and Statistical Mechanics	National Science Foundation	05/01/2007	04/30/2011	330,000
Gubser, Steven S	2456584	Grant	Simulating Quark-Gluon Plasmas in String Theory	National Science Foundation	07/01/2007	06/30/2011	195,000
Yazdani, Ali	2456583	Grant	Probing Individual and Interacting Dopants to Semiconductors and Superconductors on the Nanometer Scale	National Science Foundation	06/01/2007	08/31/2011	520,000
Yazdani, Ali	2456582	Grant	Spectroscopy of Spin-Spin Interactions in Atomically Fabricated Nanostructures	Army Research Office	04/01/2007	09/30/2010	332,250
Yazdani, Ali	2456579	Grant	Probing Interaction between Magnetic Acceptors in GaAs on the Nanometer Scale	Office of Naval Research	12/01/2006	12/31/2012	624,495
Yazdani, Ali	2456674						250,632
Smith, A. J. Stewart	2456578	Subaward	ILC Detector R & D Proposal: Calorimeter and Muon ID	University of Oregon	09/01/2006	07/31/2010	38,000
Smith, A. J. Stewart	2456602						26,000
Staggs, Suzanne T	2456576	Grant	QUIET: Searching Gravitational Waves & Lensing with Nano-Kelvin CMB Polarization Measurements, Using 1000 Coherent Radiometers at 2 Frequencies	University of Chicago	07/01/2006	03/01/2011	140,488
Aizenman, Michael	2456572	Grant	Disorder Effects on Quantum Spectra and Dynamics	National Science Foundation	06/01/2006	09/30/2011	315,001
Romalis, Michael V	2454159	Grant	Laser-Addressed Atomic Micro-Magnetometers	University of California at Berkeley	05/01/2005	04/30/2011	1,316,333
Romalis, Michael V	2456630						675,000
Hasan, M. Zahid	2456561	Grant	Study of Charge Dynamics in Electron-doped Strongly Correlated Systems using Resonant Inelastic X-ray Scattering	DOE - Chicago	05/01/2005	01/31/2012	591,007
Hasan, M. Zahid	2456629						720,000

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Physics (6)

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Page, Lyman A Jarosik, Norman C Spergel, David N Staggs, Suzanne T	2456545	Grant	Collaborative Research with the Atacama Cosmology Telescope\ (ACT\): Probing Fundamental Physics Through Observations of Cosmic Structure	National Science Foundation	01/01/2004	12/31/2010	0
Page, Lyman A Jarosik, Norman C Seljak, Uros Spergel, David N Staggs, Suzanne T	2456534						1,193,429
Page, Lyman A Jarosik, Norman C Seljak, Uros Spergel, David N Staggs, Suzanne T	2456535						5,104,419
Page, Lyman A Jarosik, Norman C Seljak, Uros Spergel, David N Staggs, Suzanne T	2456536						4,080,908
Page, Lyman A Jarosik, Norman C Seljak, Uros Spergel, David N Staggs, Suzanne T	2456540						715,327
Page, Lyman A Jarosik, Norman C Seljak, Uros Spergel, David N Staggs, Suzanne T	2456541						313,508
Page, Lyman A Jarosik, Norman C Seljak, Uros Spergel, David N Staggs, Suzanne T	2456542						79,758

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Physics (7)

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Page, Lyman A	2456588	Grant	<i>Continued from above</i>	National Science Foundation	01/01/2004	12/31/2010	939,542
Jarosik, Norman C							
Seljak, Uros							
Spergel, David N							
Staggs, Suzanne T							
Page, Lyman A	2456589						554,729
Jarosik, Norman C							
Seljak, Uros							
Spergel, David N							
Staggs, Suzanne T							
Smith, A. J. Stewart	2456544	Grant	High Energy Physics Program (HEP)	DOE - Chicago	09/25/1991	10/31/2011	0
Marlow, Daniel R							
McDonald, Kirk T							
Wang, Liantao							
Marlow, Daniel R	2456636						0
Marlow, Daniel R	2456637						470,000
Marlow, Daniel R	2456638						193,000
Olsen, James D	2456639						105,000
Marlow, Daniel R							
Olsen, James D	2456640						30,000
Marlow, Daniel R							
Olsen, James D	2456641						243,000
Marlow, Daniel R							
Olsen, James D	2456642						44,000
Marlow, Daniel R							
Marlow, Daniel R	2456643						1,656,000
Marlow, Daniel R	2456644						198,000
Marlow, Daniel R	2456645						1,602,000
Marlow, Daniel R	2456646						370,958
Tully, Christopher G	2456647						159,042
Marlow, Daniel R							
Tully, Christopher G	2456648						153,000
Marlow, Daniel R							
McDonald, Kirk T	2456649						655,000
Marlow, Daniel R							

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Physics (8)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
McDonald, Kirk T	2456650	Grant	<i>Continued from above</i>	DOE - Chicago	09/25/1991	10/31/2011	80,000
Marlow, Daniel R							
Meyers, Peter D	2456653						468,159
Marlow, Daniel R							
Meyers, Peter D	2456654						211,000
Marlow, Daniel R							
Meyers, Peter D	2456655						90,841
Marlow, Daniel R							
McDonald, Kirk T	2456657						176,675
Marlow, Daniel R							
Marlow, Daniel R	2456658						365,000
Steinhardt, Paul J	2456659						1,739,300
Marlow, Daniel R							
Steinhardt, Paul J	2456660						56,000
Marlow, Daniel R							
Wang, Liantao	2456661						164,000
Marlow, Daniel R							
Halyo, Valerie	2456662						140,000
Marlow, Daniel R							
Smith, A. J. Stewart	2456692						300,000
Marlow, Daniel R							
Wang, Liantao							
Tully, Christopher G	2454139	Cooperative Agreement	US CMS Hadron Calorimeter Subsystem	Fermi National Accelerator Laboratory	10/01/2002	09/30/2012	609,836
Marlow, Daniel R							
Smith, A. J. Stewart							
Tully, Christopher G	2454145						193,986
Marlow, Daniel R							
Marlow, Daniel R	2454151	Cooperative Agreement	US CMS Software and Computing User Facilities Sub-Project	Fermi National Accelerator Laboratory	10/01/2001	09/30/2012	0
Marlow, Daniel R	2454132						3,929,770

Contributions Made to Other Units :

Astrophysical Sciences

Lyman A Page

Suzanne T Staggs

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

Contributions Made to Other Units (cont):

Center for Theoretical Science

Shivaji L Sondhi

Paul J Steinhardt

Chemistry

Robert H Austin

Electrical Engineering

William Bialek

Frederick D Haldane

Lewis-Sigler Institute for Integrative Genomics

William Bialek

Joshua W Shaevitz

David W Tank

Molecular Biology

David W Tank

Princeton Neuroscience Institute

David W Tank

PRISM

Robert H Austin

Bogdan A Bernevig

Thomas Gregor

Frederick D Haldane

M. Zahid Hasan

David A Huse

Nai-Phuan Ong

Jason R Petta

Paul J Steinhardt

Ali Yazdani

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Sagar, Rahul	2504052	Grant	Engaging the World: Indian Foreign Policy and the Future of Asia	University of Pennsylvania	03/15/2011	03/15/2012	70,807
Lieberman, Evan S	2504050	Contract	Collaborative Research: Evaluation / Assessment of the Uwezo Projects in Tanzania and Kenya	Twaweza Initiative of Hivos Tanzania	01/01/2011	01/30/2014	287,760
Imai, Kosuke	2504048	Grant	Poverty, Militancy, and Citizen Demands in Natural Resource-Rich Regions: Randomized Evaluation of the Oil Profits Dividend Plan for the Niger Delta	London School of Economics	01/15/2011	03/31/2012	117,116
George, Robert P	2504047	Grant	James Madison Program in American Ideals and Institutions	Earhart Foundation	09/01/2010	06/30/2011	130,000
Wilson, Bradford P	2504046	Grant	James Madison Program in American Ideals and Institutions	The Lynde and Harry Bradley Fdn., Inc.	09/01/2010	08/31/2011	65,000
Jamal, Amaney A	2506048	Grant	The Arab Barometer: Second Wave	U.S. Institute of Peace	07/01/2010	08/31/2012	119,837
Whittington, Keith E	2506047	Grant	ARRA: Collaborative Research: Backdating the U.S. Supreme Court Judicial Database, 1792-1946	National Science Foundation	09/01/2009	08/31/2013	138,122
Bartels, Larry M	2506046	Grant	Doctoral Dissertation Research in Political Science: Social Class and Congressional Decisionmaking	National Science Foundation	09/01/2009	08/31/2011	12,000
Carnes, Nicholas							
George, Robert P	2504044	Grant	James Madison Program	Fidelity Charitable Gift Fund	07/01/2009	08/31/2012	100,000
Imai, Kosuke	2506045	Grant	ARRA: Staistical Analysis of Causal Mechanisms: Identification, Inference, and Sensitivity Analysis	National Science Foundation	08/01/2009	07/31/2012	97,574
George, Robert P	2504043	Grant	James Madison Program in American Ideals & Institutions	The Lynde and Harry Bradley Fdn., Inc.	09/02/2009	09/01/2010	65,000
Imai, Kosuke	2506044	Grant	ARRA: Collaborative Reseach: The Measurement and Identification of Media Priming Effects in Political Science.	National Science Foundation	07/01/2009	06/30/2011	65,221
Carnes, Nicholas	2504042	Grant	Social Class and Congressional Leadership	The Dirksen Congressional Center	07/01/2009	06/30/2011	3,500
Greenstein, Fred I	2504040	Grant	Mellon Emeritus Faculty Fellowship	The Andrew W. Mellon Foundation	07/01/2006	11/01/2010	56,813
George, Robert P	2504039	Grant	James Madison Program	Sherrerd Foundation	06/01/2006	08/31/2011	50,000

Contributions Made to Other Units :

Electrical Engineering

Jacob N. Shapiro

Princeton Institute for International and Regional Studies (PIIRS)

Mark R Beissinger

Woodrow Wilson School (WWS)

Thomas J Christensen

Aaron L Friedberg

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

Contributions Made to Other Units (cont) :

Woodrow Wilson School (WWS) (cont)

G John Ikenberry

Grigore Pop-Eleches

Jacob N. Shapio

Jennifer A Widner

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Princeton Environmental Institute (PEI)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Laxminarayan, Ramanan	3444101	Grant	The Economic Impact of Foundation Giving	The Robert Wood Johnson Foundation	12/15/2010	12/14/2013	800,000
Larson, Eric D Williams, Robert H	3446120	Cooperative Agreement	Energy, Environmental, and Economic Analyses of Design Concepts for the Co-Production of Fuels and Chemicals with Electricity via Co-Gasification of Coal and Biomass	DOE - Pittsburgh NETL	10/01/2010	09/30/2011	442,121
Morel-Kraepiel, Anne M Morel, Francois	3446114	Grant	Collaborative Research: Acquisition of Nitrogenase Metal Cofactors in Soils: Role of Metallophores and Limitation of N ₂ -fixation	National Science Foundation	09/01/2010	08/31/2013	338,809
Larson, Eric D	3446113	Contract	Alternative Energy Fuels Analysis Support to AFRL/RZPF	Universal Technology Corporation	02/01/2010	10/31/2010	35,000
Searchinger, Timothy D	3444084	Grant	Exploring the Potential of Expanding Cover Crops to Reduce Nitrogen Flows to the Gulf of Mexico	Walton Family Foundation	12/01/2009	08/31/2011	119,967
Levin, Simon A	3446108	Grant	Towards a Science of Sustainability	National Science Foundation	12/01/2009	11/30/2011	119,227
Levin, Simon A Wingreen, Ned S	3446103	Grant	Predictive Biology: Adaptability, Robustness and the Fundamental Laws of Biology	Defense Advanced Research Projects Agency	09/11/2009	09/10/2011	10,200,000
Levin, Simon A	3446104						560,000
Wingreen, Ned S	3446105						149,543
Levin, Simon A	3446106						43,624
Levin, Simon A	3446107						4,446,833
Pacala, Stephen W	3446102	Contract	Apply Decision-Support Systems to Improve Management of Forests and the Forest Carbon Cycle	Northern Research Station	09/01/2009	10/31/2011	110,000
Searchinger, Timothy D	3444081	Grant	PRODUCING MORE FOOD AND FEWER GREENHOUSE GASES: A Proposal to Organize an International Policy Study	The David and Lucile Packard Foundation	09/01/2009	08/31/2011	250,000
Pacala, Stephen W	3446101	Cooperative Agreement	Cooperative Research Agreement Between Princeton University and US Forest Service, Northern Research Station	U.S. Dept of Agriculture	04/08/2009	03/31/2013	418,750
Sarmiento, Jorge L	3436178	Cooperative Agreement	Cooperative Institute for Climate Science - <i>cont from AOS</i>	U.S. DOC - Natl Oceanic & Atmos Admin	07/01/2008	06/30/2013	0
Sarmiento, Jorge L	3446093						252,644
Galbraith, Eric D	3446094						131,312
Hedin, Lars O	3446095						213,327
Henson, Stephanie A Sarmiento, Jorge L	3446096						29,260
Vanmarcke, Erik	3446098						83,730
Smith, James A	3446099						176,570
Ward, Bess B	3446100						149,416
Sarmiento, Jorge L	3446109						20,930
Sarmiento, Jorge L	3446110						48,799
Sarmiento, Jorge L	3446111						215,247

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Princeton Environmental Institute (PEI) (2)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Levin, Simon A	3446115	Cooperative Agreement	<i>Continued from Above</i>	U.S. DOC - Natl Oceanic & Atmos Admin	07/01/2008	06/30/2013	97,624
Sarmiento, Jorge L	3446116						35,484
Sarmiento, Jorge L	3446117						42,337
Sarmiento, Jorge L	3446118						38,552
Medvigy, David M	3446119						115,656
Williams, Robert H Larson, Eric D	3444072	Grant	Exploring Alternative Climate-Change-Mitigating Energy Supply Technologies As Candidate Energy Options for Sustainable Development	The William & Flora Hewlett Foundation	10/01/2007	09/30/2010	400,528
Hedin, Lars O Morel-Kraepiel, Anne M	3446083	Grant	Biogeochemical Controls on Nitrogen Fixation in a Diverse Neotropical Forest	National Science Foundation	09/01/2006	08/31/2010	348,317
Hedin, Lars O Morel-Kraepiel, Anne M	3446084						85,815
Levin, Simon A Leslie, Heather M	3444063	Grant	Managing for Resilience: Science to Advance Ecosystem-Based Management in the Sea of Cortés	The David and Lucile Packard Foundation	01/01/2006	12/15/2011	243,940
Levin, Simon A Weitz, Joshua S Wingreen, Ned S	3446065	Grant	Microstate to Macrodynamics: A New Mathematics of Biology	Defense Advanced Research Projects Agency	09/19/2005	10/07/2010	4,156,223
Levin, Simon A Weitz, Joshua S	3446066						1,632,746
Wingreen, Ned S	3446067						565,616
Levin, Simon A Weitz, Joshua S	3446068						9,685
Levin, Simon A Weitz, Joshua S	3446069						794,712
Levin, Simon A Weitz, Joshua S	3446070						1,875,823
Levin, Simon A Weitz, Joshua S	3446071						420,513
Levin, Simon A Weitz, Joshua S	3446072						910,077
Levin, Simon A Weitz, Joshua S	3446073						1,498,904
Levin, Simon A Weitz, Joshua S	3446074						37,547

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Princeton Environmental Institute (PEI) (3)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Levin, Simon A	3446075	Grant	<i>Continued from Above</i>	Defense Advanced Research Projects Agency	09/19/2005	10/07/2010	240,868
Weitz, Joshua S							
Levin, Simon A	3446076						268,843
Weitz, Joshua S							
Levin, Simon A	3446077						2,013,667
Weitz, Joshua S							
Levin, Simon A	3446078						578,843
Weitz, Joshua S							
Levin, Simon A	3446085						431,224
Levin, Simon A	3446086						268,347
Levin, Simon A	3446090						272,556
Levin, Simon A	3446091						123,806
Pacala, Stephen W	3444016	Contract	A Carbon Mitigation Initiative at Princeton University	Ford Motor Company	01/01/2001	12/31/2010	150,737
Socolow, Robert H							
Pacala, Stephen W	3444017						403,342
Socolow, Robert H							
Sigman, Daniel M	3444024						215,389
Pacala, Stephen W							
Sarmiento, Jorge L	3444025						625,636
Pacala, Stephen W							
Sarmiento, Jorge L	3444026						944,507
Pacala, Stephen W							
Pacala, Stephen W	3444049						250,144
Pacala, Stephen W	3444050						233,963
Pacala, Stephen W	3444051						333,082
Socolow, Robert H							
Pacala, Stephen W	3444002	Contract	A Carbon Mitigation Initiative at Princeton University	BP International Limited	10/01/2000	12/31/2015	8,983,720
Socolow, Robert H							
Pacala, Stephen W	3444003						2,031,379
Socolow, Robert H							
Pacala, Stephen W	3444004						1,059,439
Celia, Michael A	3444005						1,404,262
Socolow, Robert H	3444006						1,622,843
Pacala, Stephen W	3444020						787,081
Socolow, Robert H							

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Princeton Environmental Institute (PEI) (4)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Socolow, Robert H	3444028	Contract	<i>Continued from Above</i>	BP International Limited	10/01/2000	12/31/2015	1,246,000
Pacala, Stephen W							
Celia, Michael A	3444029						796,430
Socolow, Robert H							
Pacala, Stephen W	3444030						960,000
Socolow, Robert H							
Morel, Francois	3444031						409,988
Socolow, Robert H							
Bender, Michael L	3444032						632,740
Socolow, Robert H							
Pacala, Stephen W	3444035						454,048
Socolow, Robert H							
Bender, Michael L	3444033						255,922
Pacala, Stephen W	3444037						1,620,000
Socolow, Robert H							
Socolow, Robert H	3444042						605,000
Socolow, Robert H	3444045						1,120,000
Scherer, George W	3444044						625,399
Celia, Michael A	3444043						46,143
Celia, Michael A	3444041						62,616
Celia, Michael A	3444040						100,000
Scherer, George W	3444052						1,126,254
Onstott, Tullis C	3444054						18,012
Sigman, Daniel M	3444057						320,272
Oppenheimer, Michael	3444058						415,000
Oppenheimer, Michael	3444060						160,000
Pacala, Stephen W	3444061						214,498
Socolow, Robert H							
Williams, Robert H	3444064						37,500
Williams, Robert H	3444065						37,500
Pacala, Stephen W	3444068						20,000
Socolow, Robert H							
Pacala, Stephen W	3444069						110,382
Socolow, Robert H							

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Princeton Environmental Institute (PEI) (5)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Pacala, Stephen W	3444070	Contract	<i>Continued from Above</i>	BP International Limited	10/01/2000	12/31/2015	10
Socolow, Robert H							
Morel, Francois	3444073						180,000
Arnold, Craig B	3444074						75,000
Arnold, Craig B	3444075						125,000
Sarmiento, Jorge L	3444077						299,926
Sarmiento, Jorge L	3444078						354,931
Debenedetti, Pablo G	3444079						107,588
Debenedetti, Pablo G	3444080						142,412
Socolow, Robert H	3444082						90,000
Pacala, Stephen W							
Socolow, Robert H	3444083						90,000
Pacala, Stephen W							
Pacala, Stephen W	3444086						16,100
Socolow, Robert H							
Pacala, Stephen W	3444087						120,870
Socolow, Robert H							
Williams, Robert H	3444088						100,000
Socolow, Robert H	3444089						150,000
Celia, Michael A	3444090						100,000
Prevost, Jean-Herve	3444091						75,000
Prevost, Jean-Herve	3444092						75,000
Pacala, Stephen W	3444093						150,000
Morel, Francois	3444094						50,000
Sarmiento, Jorge L	3444095						100,000
Debenedetti, Pablo G	3444096						50,000
Arnold, Craig B	3444097						50,000
Bender, Michael L	3444098						50,000
Pacala, Stephen W	3444099						330,000
Socolow, Robert H							
Oppenheimer, Michael	3444100						25,000
Stone, Howard A	3444102						25,000
Stone, Howard A	3444103						25,000

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Princeton Institute for Computational Science and Engineering (PICSciE)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Tromp, Jeroen	3486003	Grant	G8 Initiative: Modeling Earthquakes and Earth's Interior Based upon Exascale Simulations of Seismic Wave Propagation	National Science Foundation	03/01/2011	02/28/2014	499,796
Hillegas, Curtis W	3486002	Grant	Workshop on Research Data Lifecycle Management	National Science Foundation	06/01/2011	05/31/2012	42,895
Tang, William M	3486001	Grant	G8 Initiative: G8 Research Councils Initiative on Multilateral Research Funding	National Science Foundation	03/01/2011	02/28/2014	469,246
Bhargava, Manjul	3484000						55,000

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Princeton Institute for International and Regional Studies (PIIRS)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Rozman, Gilbert F	4104004	Grant	East Asian National Identities: Implications for Regional Trust and U.S. Leadership	The United States-Japan Foundation	09/01/2009	08/31/2011	25,000
Beissinger, Mark R	4104003	Grant	Migration, Participation and Democratic Governance in the U.S., Europe, and the Muslim World	The Henry Luce Foundation, Inc.	07/01/2008	06/30/2012	400,000

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ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Kastner, Sabine Pinsk, Mark A	3496029	Grant	Cortical Lesion Effects on White Matter Connectivity: Diffusion Tensor Imaging of the Macaque	NJ Department of Health and Senior Services	06/01/2011	05/31/2013	179,994
Niv, Yael	3496027	Grant	How We Learn What is Relevant to a Decision: fMRI Investigations of the Interaction Between Representation Learning and Reward Learning	National Institutes of Health	03/01/2011	02/29/2012	241,500
Todorov, Alexander T	3494006	Grant	The Neural Basis of Selfish and Selfless Social Goals	University of Pennsylvania	10/01/2010	09/30/2012	180,000
Kastner, Sabine	3496026	Grant	Representation of Object Information in the Primate Visual	National Science Foundation	10/01/2010	09/30/2013	681,000
Niv, Yael	3494005	Grant	NEURAL CORRELATES OF MULTIDIMENSIONAL LEARNING: Dimensionality Reduction in Striatal Representations	U.S.-Israel Binational Science Fdn.	10/01/2010	09/30/2011	30,000
Kastner, Sabine Saalmann, Yuri B	3496025	Grant	Attentional Functions of the Pulvinar	National Institutes of Health	08/01/2010	07/31/2012	434,700
Osherson, Daniel N	3496024	Grant	Longitudinal Assessment of Brain Structure and Function in Sports-Related Concussion	New Jersey Commission on Brain Injury Research	06/01/2010	05/31/2013	474,836
Niv, Yael	3494004	Grant	Alfred P. Sloan Research Fellowship - Yael Niv	Alfred P. Sloan Foundation	09/15/2010	09/15/2012	50,000
Osherson, Daniel N Dettwiler-Danspeckgruber, Annegret Putukian, Margot	3494003	Grant	Longitudinal Assessment of Brain Structure and Function in Sports-Related Concussion	American Medical Society of Sports Medicine Foundation	04/01/2010	03/31/2012	24,750
Hasson, Uri	3496023	Grant	ARRA: The Neural Correlates of Effective Drug Prevention Messages.	New York University	06/20/2009	05/31/2011	219,794
Cohen, Jonathan D	3496022	Grant	ARRA: Recovery Act Funds for Administrative Supplement: Cognitive and Neural Mechanisms of Decision and Control	National Institutes of Health	09/30/2009	08/31/2011	203,723
Botvinick, Matthew M	3494002	Grant	Prospective Control of Action: Computational Principles, Neural Substrates, and Clinical Implications	Albert Einstein Healthcare Network	06/01/2009	05/31/2012	399,150
Norman, Kenneth A	3496021	Grant	Computational Neural and Behavioral Studies of Competition-Dependent Learning	National Institutes of Health	08/07/2009	05/31/2014	1,934,790
Kastner, Sabine Mruczek, Ryan E	3496020	Grant	NRSA: Dissociating Feature- and Space-based Attention in the Frontoparietal Network	National Institutes of Health	04/15/2009	04/14/2012	150,726
Norman, Kenneth A Daubechies, Ingrid C Ramadge, Peter J	3496015	Grant	Analysis of Multi-voxel Patterns of Activity in fMRI Data	Dartmouth College	01/01/2008	05/31/2012	476,643
Daubechies, Ingrid C	3496018						164,723
Ramadge, Peter J	3496019						248,776
Cohen, Jonathan D	3496008	Grant	NRSA Training Grant in Quantitative Neuroscience	National Institutes of Health	08/01/2008	07/31/2013	380,231
Cohen, Jonathan D	3496010						340,267
Cohen, Jonathan D	3496011						333,930
Todorov, Alexander T	3496007	Grant	Neural systems for face evaluation	National Science Foundation	09/01/2008	08/31/2012	549,992
Cohen, Jonathan D Simen, Patrick A	3476065	Grant	NRSA: Dynamic Evaluation and Control of Decision Making	National Institutes of Health	03/10/2008	03/09/2011	160,422

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Princeton Neuroscience Institute (2)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Kastner, Sabine	3476064	Grant	Neural Basis of Visual Attention	National Institutes of Health	01/18/2008	12/31/2012	1,745,194
Holmes, Philip J	3476062	Grant	Dynamic Decision Making in Complex Task Environments: Principles and Neural Mechanisms	Stanford University	07/01/2007	11/30/2011	1,871,305
Cohen, Jonathan D							
Botvinick, Matthew M	3476061	Grant	Investigating language with Multi-Voxel Pattern Analysis	National Institutes of Health	06/15/2007	05/31/2012	1,659,353
Kastner, Sabine	3476059	Grant	Neural correlates of binocular rivalry	National Science Foundation	04/15/2007	08/31/2010	410,139
Kastner, Sabine	3476058	Grant	Functions of the Thalamus in Perception and Cognition	National Institutes of Health	04/01/2007	02/29/2012	1,939,621
Tank, David W	3496001	Grant	Training Program in Quantitative and Computational Neuroscience	National Institutes of Health	09/30/2006	07/31/2012	0
Cohen, Jonathan D							
Tank, David W	3496005						175,756
Cohen, Jonathan D							
Tank, David W	3496006						176,751
Cohen, Jonathan D							
Tank, David W	3496000	Grant	Training Program in Quantitative and Computational Neuroscience	National Institutes of Health	09/30/2006	07/31/2012	946,791
Cohen, Jonathan D							
Cohen, Jonathan D	3476056	Grant	Neural Mechanisms and Social Influence in Delay Discounting and Impulsive Choice	National Institutes of Health	09/30/2006	08/31/2012	1,559,975
Cohen, Jonathan D	3476035	Grant	Cognitive and Neural Mechanisms of Decision and Control (PROJECT 1)	National Institutes of Health	09/21/2005	08/31/2011	977,641
Cohen, Jonathan D	3476036						1,018,911
Kastner, Sabine							
Cohen, Jonathan D	3476037						672,350
Cohen, Jonathan D	3476038						1,007,781
Cohen, Jonathan D	3476039						2,238,579
Holmes, Philip J	3476040						833,878
Cohen, Jonathan D	3476041						583,548
Cohen, Jonathan D	3476042						640,226
Cohen, Jonathan D	3476043						583,157
Cohen, Jonathan D	3476044						190,579
Cohen, Jonathan D	3476045						279,627
Cohen, Jonathan D	3476046						781,904
Cohen, Jonathan D	3476047						801,208
Haxby, James V							
Cohen, Jonathan D	3476057						472,660
Cohen, Jonathan D	3474008	Grant	Behavioral and Neuroscientific Studies of Attention and Emotion in Buddhist Adepts	Mind and Life Institute	07/01/2004	12/31/2011	100,000
Kahneman, Daniel							
Treisman, Anne M							

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Princeton Plasma Physics Laboratory

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Johnson, Jay R	3966773	Contract	A Novel Higher-Order Statistical Method for Extracting Dependencies in Multivariate Geospace Data Sets	NASA Headquarters - Washington	09/26/2007	09/25/2010	0*
Prager, Stewart C	3954117	Contract	DOE Work for Others	The Pennsylvania State University	06/22/2011	01/31/2012	0*
Loesser, G. Douglas	3954116	Contract	DOE Work for Others	Institute for Plasma Research	05/09/2011	05/08/2012	0*
Jardin, Stephen C	3954115	Contract	DOE Work for Others	ITER Organization	03/17/2011	03/16/2014	0*
Zakharov, Leonid E	3954114	Contract	DOE Work for Others	ITER Organization	03/17/2011	03/16/2012	0*
Ascione, George	3954113	Contract	DOE Work for Others	Lawrenceville Plasma Physics, Inc.	10/06/2010	12/31/2010	0*
Skinner, Charles H	3954112	Contract	DOE Work for Others	ITER Organization	04/06/2010	12/05/2011	0*
Majeski, Richard P	3954111	Contract	DOE Work for Others	Ultramet	03/25/2010	08/14/2011	0*
Raitses, Yevgeny	3956530	Contract	WFO: Plasma Assisted Synthesis of Graphene for Mass Production and Applications	Applied Plasma Science, L.L.C.	03/19/2010	09/30/2011	0*
Majeski, Richard P	3954110	Contract	DOE Work for Others	Third Dimension Technologies	01/07/2010	08/14/2011	0*
Hosea, Joel C	3954109	Contract	DOE Work for Others	Pohang University of Science and Technology	10/01/2009	12/31/2011	0*
Grisham, Larry R	3954108	Contract	DOE Work for Others	ITER Organization	11/05/2009	11/04/2012	0*
Grisham, Larry R	3954107	Contract	DOE Work for Others	ITER-India	09/18/2009	09/17/2011	0*
Park, Jong-Kyu	3954106	Grant	DOE Work for Others	Columbia University	07/29/2009	07/28/2010	0*
Meixler, Lewis D	3954105	Grant	DOE Work for Others:	Wrightworks Engineering, LLC	04/29/2009	10/28/2010	0*
Gentile, Charles A	3956529	Contract	Miniature Integrated Nuclear Detection System (MINDS)	InSitech, Inc.	05/21/2008	12/31/2011	0*
Meixler, Lewis D			Research & Development				
Bleach, Anthony F	3956001	Contract	Plasma Physics Laboratory	DOE - Chicago	07/01/1987	12/31/2999	0*
Kim, Eun-Hwa							
Yamada, Masaaki							
Prager, Stewart C	3956002						0*
Bleach, Anthony F							
Prager, Stewart C	3956003						0*
Bleach, Anthony F							
Cheng, Chio Z							
Davidson, Ronald C							
Ellis, Robert A							
Fisch, Nathaniel J							
Gentile, Charles A							
Hammett, Gregory W							

* On amounts showing \$0, the funding is forwarded directly by the Sponsor to DOE.

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Princeton Plasma Physics Laboratory (2)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Ji, Hantao	3956003	Contract	<i>Continued from Above</i>	DOE - Chicago	07/01/1987	12/31/2999	0*
Johnson, Jay R							
Kim, Eun-Hwa							
McCune, Douglas C							
Meixler, Lewis D							
Yamada, Masaaki							

Contributions Made to Other Units :

Astrophysical Sciences

Nathaniel J Fisch

Hantao Ji

Chemical Engineering

Gregory W Hammett

Mechanical and Aerospace Engineering

Jay R Johnson

Princeton Institute for Computational Science and Engineering (PICSciE)

William M Tang

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ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Priestley, Rodney D	3394058	Grant	American Chemical Society Project SEED 2011-Summer 1	American Chemical Society	06/01/2011	08/31/2012	3,500
Law, Chung K	3396459	Grant	Princeton CEFRC summer conference	Army Research Office	06/30/2011	12/29/2011	8,000
Petta, Jason R	3396460	Subcontract	Targeted Research - Few-electron Si/SiGe Double Quantum Dots	HRL Laboratories, LLC	06/20/2011	09/19/2011	854,000
Yazdani, Ali	3396454	Grant	FITT: Development of a low voltage, low power transistor based ontopological surface states.	SPAWARSYSCEN PACIFIC	06/02/2011	06/30/2015	6,485,119
Yazdani, Ali	3396455						181,715
Yazdani, Ali	3396456						400,066
Yazdani, Ali	3396457						249,998
Yazdani, Ali	3396458						399,965
Gmachl, Claire F	3396453	Grant	Low Power Consumption Lasers for Next Generation Miniature Spectrometers for Venus and Mars	Cal Tech - Jet Propulsion Lab (JPL)	04/27/2011	03/25/2012	45,000
August, David I	3396448	Grant	Greater Philadelphia Innovation Cluster for Energy Efficient Buildings (GPIC)	The Pennsylvania State University	02/01/2011	01/31/2016	2,738,061
Jha, Niraj K							
Sturm, James C							
Verma, Naveen							
Wagner, Sigurd							
Sturm, James C	3396449						62,751
Jha, Niraj K	3396450						61,151
Verma, Naveen	3396451						56,309
Wagner, Sigurd	3396452						63,728
Gmachl, Claire F	3396447	Contract	Electrically-Pumped III-Nitride Intersubband Lasers	Kyma Technologies, Inc.	01/05/2011	01/04/2013	40,000
Gmachl, Claire F	3396446	Grant	REU Site: Interdisciplinary Research Experience for Undergraduates in Mid-InfraRed Technologies for Health and the Environment (I-MIRTHE REU)	National Science Foundation	04/01/2011	03/31/2014	330,000
Houck, Andrew A	3396445	Grant	PECASE: Quantum Computing, Quantum Control, and Quantized Non-Linear Optics with Superconducting Circuits	Army Research Office	02/10/2011	02/09/2016	1,000,000
Steinberg, Daniel J	3396444	Grant	Making Stuff	WGBH	10/01/2010	03/31/2011	6,000
Soboyejo, Winston O	3394056	Grant	NCIIA Grant #8112-10 for TED workshop	National Collegiate Inventors & Innovators Alliance	09/01/2010	06/30/2011	5,000
Soboyejo, Winston O	3394057						1,000
Pfeiffer, Loren N	3394055	Grant	Growth of High-Purity Gallium Arsenide	Gordon and Betty Moore Foundation	11/14/2010	12/31/2013	2,215,646
Pfeiffer, Loren N	3396443	Grant	Study of Quantum Hall Liquids Using Single Electron Transistors	University of Michigan	08/15/2010	07/31/2011	25,000
Chou, Stephen Y	3396441	Grant	Study of Nanoscale Tunneling-FETs for Steep Subthreshold Slope	Army Research Laboratory	09/01/2010	02/29/2012	227,000
Sturm, James C							
Sturm, James C	3396442						100,000
Chou, Stephen Y							

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PRISM (2)

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Prucnal, Paul R	3394052	Contract	Light Wave Processing II RAD Support	Lockheed Martin Corporation	10/01/2010	04/30/2011	50,000
Prucnal, Paul R	3394051	Contract	Opto Cancellation System Testing	Lockheed Martin Corporation	06/01/2010	04/28/2011	76,000
Car, Roberto	3396440	Grant	CMSN: Structure and Dynamics of Water and Aqueous Solutions in Materials Science (Budget Revision)	DOE - Chicago	09/01/2010	08/31/2013	960,000
Dogariu, Arthur	3396435	Contract	Feasibility Study for Remote Detection of Explosives Using CARS Spectroscopy	LGS Innovations LLC	05/01/2010	07/15/2011	198,495
Haataja, Mikko P	3396434	Grant	Fluctuating Lipid Membranes: Structure, Non-equilibrium Dynamics, and Coupling to Membrane Proteins	National Science Foundation	10/01/2010	09/30/2013	270,000
Houck, Andrew A	3396433	Grant	Circuit QED Approach to Multi-Qubit Superconducting Quantum Computing	International Business Machines Corp. (IBM)	07/01/2010	11/30/2014	1,260,000
Gmachl, Claire F	3396430	Contract	Multi-Wavelength Laser with Broad Spectral Coverage	Daylight Solutions Inc.	06/01/2010	05/31/2013	75,000
Lyon, Stephen A	3396432	Grant	Physics of Confined Electrons and Electron Spins on Liquid Helium	National Science Foundation	09/15/2010	08/31/2014	520,000
Giffin, Adom D	3396431	Contract	Development of a Militarized Non-nuclear Combined Asphalt and Soil Gauge	TransTech Systems, Inc.	09/01/2010	02/28/2011	51,754
Gmachl, Claire F	3396429	Contract	High-Resolution Tunable Receiver for Remote THz Sensing	Esensors, Inc.	07/01/2010	01/14/2012	99,999
Wagner, Sigurd	3396427	Contract	Novel PECVD Single Layer Thin Film Encapsulation for Organic Devices (Phase II)	Universal Display Corporation	03/15/2010	02/29/2012	149,999
Zondlo, Mark A	3396426	Contract	High Precision, Range-Resolved Remote Gas Sensing	Bridger Photonics	07/01/2010	06/30/2012	92,507
Priestley, Rodney D	3394050	Grant	American Chemical Society Project Seed 2010-Summer 1	American Chemical Society	06/01/2010	05/31/2011	4,100
Houck, Andrew A	3396423	Grant	Scanned Probe Cavity Quantum Electrodynamics	Space and Naval Warfare Systems Command	06/17/2010	06/16/2012	300,000
Sturm, James C	3394049	Contract	Enabling Technology for High Yield Harvesting of Stem Cells for Clinical Applications	GPB Scientific, LLC	07/01/2010	06/30/2012	500,403
Austin, Robert H Gmachl, Claire F	3396422	Grant	Consortium of Spectroscopic Sensor Systems (CoS3):An Integrated, Systematic & Entrepreneurial Approach to Engineering Education	Stony Brook University	03/01/2010	02/29/2012	280,000
Prud'homme, Robert K	3396399	Contract	Covert Marks Inkjet Delivery and Detection System	Honeywell Inc.	04/05/2010	08/31/2011	194,246
Ju, Yiguang Ju, Yiguang	3396400						177,794
McAlpine, Michael C	3396397	Grant	Piezoelectric and Semiconducting Ribbon for Flexible Energy Harvesting	Space and Naval Warfare Systems Command	05/05/2010	05/04/2012	347,193
McAlpine, Michael C	3396396	Grant	EAGER: Piezoelectric Nanoribbon Assemblies Printed onto Rubber for Highly Efficient, Flexible Energy Harvesting	National Science Foundation	06/01/2010	05/31/2012	50,000
Arnold, Craig B	3396394	Grant	IGERT: Nanotechnology for Clean Energy	Rutgers University	08/15/2009	07/31/2013	490,560
Bernasek, Steven L Kahn, Antoine Selloni, Annabella Soboyejo, Winston O							

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PRISM (3)

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Houck, Andrew A	3396392	Grant	CAREER: Strongly Correlated Photons in Microwave Cavities and Coupled Cavity Arrays	National Science Foundation	06/01/2010	05/31/2015	550,000
Wagner, Sigurd	3396391	Grant	Silicon Films for Lateral Collection Solar Cells	Solarity, Inc.	01/01/2010	12/31/2010	30,000
Sturm, James C	3394048	Contract	Ultra-Stable Amorphous Silicon Thin Film Transistors for Active Matrix OLED Applications	Industrial Technology Research Institute	10/15/2009	10/14/2010	150,000
Wagner, Sigurd							
Wagner, Sigurd	3394047	Contract	Permeation Barrier for Flexible Displays	Universal Display Corporation	01/01/2010	12/31/2011	184,773
Houck, Andrew A	3396389	Contract	Approaches to Improving Transmon Qubits (RFP-1603)	The Johns Hopkins University	01/26/2010	01/31/2011	65,000
Car, Roberto	3396388	Grant	Ab-Initio Molecular Dynamics: Novel Developments with Application to H Bonded Systems	National Science Foundation	01/15/2010	12/31/2012	450,000
Lyon, Stephen A	3396374	Grant	Pulsed Electron Spin Resonance Spectrometer for Quantum Information Research	Army Research Office	12/15/2009	12/14/2011	666,148
Pfeiffer, Loren N	3396373	Grant	Probing Fractional Statistics and Correlated States in Cleaver edge Devices	Duke University	07/01/2009	06/30/2011	45,000
Sturm, James C	3396372	Grant	Digital Control of Exchange Interaction in a Spin-based Silicon Quantum Computer	Purdue University	09/25/2009	09/24/2012	407,500
Lyon, Stephen A	3396371	Grant	Electrical Manipulation of Spin Qubits in Lithium Doped Silicon	Army Research Office	11/13/2009	06/12/2012	270,000
Tyryshkin, Alexei M							
Prucnal, Paul R	3394046	Contract	Terahertz Photonic Pulse Processing for Adaptive Sensing and Control	Lockheed Martin Corporation	11/05/2009	11/30/2011	300,000
Austin, Robert H	3396332	Cooperative Agreement	Explosive Evolution Under Stress: The Driving Forces of Cancer Dynamics	National Institutes of Health	09/28/2009	07/31/2014	9,102,713
Sturm, James C							
Sturm, James C	3396333						335,540
Austin, Robert H	3396334						159,892
Austin, Robert H	3396335						80,250
Austin, Robert H	3396336						72,866
Austin, Robert H	3396343						209,970
Austin, Robert H	3396344						115,250
Sturm, James C	3396353						162,610
Sturm, James C	3396354						162,610
Austin, Robert H	3396361						244,720
Austin, Robert H	3396362						80,500
Austin, Robert H	3396363						523,520
Austin, Robert H	3396366						364,100
Austin, Robert H	3396367						156,199
Sturm, James C	3396368						154,287
Sturm, James C	3396369						509,548

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PRISM (4)

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Austin, Robert H	3396375	Cooperative	<i>Continued from Above</i>	National Institutes of Health	09/28/2009	07/31/2014	82,804
Austin, Robert H	3396377	Agreement					483,106
Austin, Robert H	3396376						112,408
Austin, Robert H	3396378						112,408
Austin, Robert H	3396379						543,395
Sturm, James C	3396380						82,552
Sturm, James C	3396381						518,146
Sturm, James C	3396382						52,952
Sturm, James C	3396383						56,167
Austin, Robert H	3396384						360,232
Austin, Robert H	3396385						320,383
Houck, Andrew A	3394045	Grant	Quantum Information and Quantum Optics with Integrated Circuits	The David and Lucile Packard Foundation	10/15/2009	10/14/2014	875,000
Pfeiffer, Loren N	3396331	Grant	ARRA: Elucidating the Anomalous Metallic State in Strongly Correlated 2D Fermions with Density of States Measurements	Case Western Reserve University	09/01/2009	08/31/2012	45,000
Pfeiffer, Loren N	3396328	Grant	MRI: Development of Molecular Beam Epitaxy Apparatus for Growth of Two Dimensional Electron Gas Systems with Mobility of 100,000,000 cm ² /Vs	National Science Foundation	10/01/2009	09/30/2012	1,800,000
Shayegan, Mansour Tsui, Daniel C							
Gmachl, Claire F	3396329	Grant	MIRTHE Industry Experts in Packaging	National Science Foundation	01/01/2010	12/31/2012	859,506
Gmachl, Claire F	3396326	Grant	MIRTHE Post-Doctoral Fellowship in Industry	National Science Foundation	09/01/2009	08/31/2012	472,165
Shayegan, Mansour	3396325	Grant	Two-dimensional electron systems in AIAs quantum wells: fabrication and physics	National Science Foundation	08/15/2009	07/31/2013	610,000
Law, Chung K	1506075	Grant	Energy Frontier Research Center for Combustion Science: <i>(also see additional P/Gs in MAE)</i>	DOE - Washington	08/01/2009	07/31/2014	6,880,000
Carter, Emily A Dryer, Frederick L Ju, Yiguang							
Law, Chung K	3396401						
Carter, Emily A Dryer, Frederick L Ju, Yiguang							
Carter, Emily A	3396402						476,104
Law, Chung K							
Ju, Yiguang	3396403						455,318
Law, Chung K							
Dryer, Frederick L	3396404						372,269
Law, Chung K							

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PRISM (5)

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Law, Chung K	3396405	Grant	<i>Continued from Above</i>	National Institutes of Health	09/28/2009	07/31/2014	535,749
Law, Chung K	3396406						223,756
Law, Chung K	3396407						1,301,583
Law, Chung K	3396408						913,474
Law, Chung K	3396421						234,317
Zondlo, Mark A	3396322	Contract	SBIR Phase IIR Supplement: Balloon-Based Instrument for Measurements of Atmospheric Water Vapor and Methane	Southwest Sciences, Inc.	07/08/2009	01/31/2011	97,334
Arnold, Craig B	3396320	Grant	ARRA: Self-positioning microspheres for direct-write nanolithography using Bessel beam optical traps	National Science Foundation	10/01/2009	09/30/2012	316,627
Miles, Richard B	3396321	Grant	Long Range Explosive Vapor Plume Detection by Radar Optimal Dynamic Discrimination (RODD) for Counter IED	Office of Naval Research	07/01/2009	09/30/2012	810,000
Rabitz, Herschel A							
McAlpine, Michael C	3394043	Grant	Prevention and Diagnosis of Asthma via Ultra-Sensitive and Selective Molecular Nanosensors	American Asthma Foundation	07/01/2009	06/30/2012	450,000
Gmachl, Claire F	3396319	Grant	Low Power Consumption Lasers for Next Generation Miniature Spectrometers for Venus and Mars	Cal Tech - Jet Propulsion Lab (JPL)	05/18/2009	08/31/2010	45,000
Torquato, Salvatore	3396314	Grant	NYU NSF/MRSEC: Semantophoretic Assemblies	New York University	09/01/2008	08/31/2014	732,000
Steinhardt, Paul J							
Petta, Jason R	3396311	Grant	Harnessing Quantum Entanglement in Semiconductor Circuits	Defense Advanced Research Projects Agency	12/29/2008	03/14/2013	4,435,415
Brinkman, William F							
Sturm, James C							
Sturm, James C	3396312						353,080
Sturm, James C	3394040	Contract	Thin Film Solid State Organic Energy Conversion Devices	University of Michigan	01/01/2009	04/30/2014	76,659
Lyon, Stephen A	3396306	Grant	Ensembles of Gated Quantum Dots	University of Wisconsin	10/01/2008	01/31/2012	667,560
Ong, Nai Phuan	3396205	Cooperative Agreement	Materials Research Science And Engineering Center (MRSEC)	National Science Foundation	09/01/2008	08/31/2014	6,600,000
Yao, Nan							
Ong, Nai Phuan	3396206						505,350
Steinberg, Daniel J	3396207						620,000
Steinberg, Daniel J	3396208						94,000
Novembre, Anthony	3396209						156,500
Ong, Nai Phuan	3396210						1,227,000
Ong, Nai Phuan	3396213						499,999
Ong, Nai Phuan	3396214						100,000
Cava, Robert J	3396215						7,168
Cava, Robert J	3396216						290,000
Haldane, Frederick D	3396217						90,000
Hasan, M. Zahid	3396218						290,000

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PRISM (6)

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Huse, David A	3396219	Cooperative	<i>Continued from Above</i>	National Science Foundation	09/01/2008	08/31/2014	60,000
Ong, Nai Phuan	3396220	Agreement					364,750
Petta, Jason R	3396221						206,250
Tsui, Daniel C	3396222						65,000
Yazdani, Ali	3396223						290,000
Ong, Nai Phuan	3396224						15,000
Bernevig, Bogdan A	3396225						30,000
Ong, Nai Phuan	3396226						29,000
Kahn, Antoine	3396230						50,504
Arnold, Craig B	3396231						186,112
Bernhard, Stefan	3396232						62,112
Kahn, Antoine	3396233						186,112
Loo, Lynn	3396234						186,115
Schwartz, Jeffrey	3396235						186,112
Selloni, Annabella	3396236						162,000
Soboyejo, Winston O	3396237						186,112
Soos, Zoltan G	3396238						162,000
Sturm, James C	3396239						186,112
Ong, Nai Phuan	3396240						124,000
Panagiotopoulos, Athanassios Z	3396245						36,748
Chou, Stephen Y	3396246						130,000
Haataja, Mikko P	3396247						170,000
Loo, Lynn	3396248						180,000
Panagiotopoulos, Athanassios Z	3396249						200,000
Register, Richard A	3396250						290,000
Russel, William B	3396251						120,000
Yazdani, Ali	3396257						25,994
Bhatt, Ravindra N	3396258						76,009
Gmachl, Claire F	3396260						86,050
Lyon, Stephen A	3396261						140,567
Petta, Jason R	3396262						273,760
Shayegan, Mansour	3396263						232,417
Tsui, Daniel C	3396264						40,000
Yazdani, Ali	3396265						255,371

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

PRISM (7)

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Ong, Nai Phuan	3396266	Cooperative	<i>Continued from Above</i>	National Science Foundation	09/01/2008	08/31/2014	202,750
Houck, Andrew A	3396267	Agreement					44,500
Pfeiffer, Loren N	3396268						98,526
Huse, David A	3396269						30,000
Ju, Yiguang	3396271						62,500
Arnold, Craig B	3396272						62,500
Gmachl, Claire F	3396273						105,500
Haataja, Mikko P	3396274						62,500
Benziger, Jay B	3396275						52,500
Shayegan, Mansour	3396276						43,000
Houck, Andrew A	3396277						45,500
McAlpine, Michael C	3396278						45,500
Link, A. James	3396279						43,000
Gregor, Thomas	3396280						28,000
Priestley, Rodney D	3396281						77,000
Priestley, Rodney D	3396282						44,500
Ong, Nai Phuan							
Brynildsen, Mark P	3396283						26,000
Ong, Nai Phuan							
Tureci, Hakan E	3396284						26,000
Ong, Nai Phuan							
Verma, Naveen	3396285						26,000
Ong, Nai Phuan	3396285						
Ong, Nai Phuan	3396330						30,000
Ong, Nai Phuan	3396436						77,000
Yao, Nan	3396436						
Ong, Nai Phuan	3396437						93,000
Wagner, Sigurd	3396203	Grant	Synaptic Architecture Preservation by Uric Acid and P2Y1 Antagonists after TB1	Rutgers University	06/01/2008	05/31/2012	300,000
Scherer, George W	3396202	Grant	MRI: Acquisition of Environmental Scanning Electron Microscope (ESEM)	National Science Foundation	09/01/2008	08/31/2011	563,712
Austin, Robert H							
Bocarsly, Andrew B							
Onstott, Tullis C							
Peters, Catherine A							
Prud'homme, Robert K							

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

PRISM (8)

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Soboyejo, Winston O			<i>Continued from Above</i>				
Sturm, James C							
Wagner, Sigurd							
Yao, Nan							
Torquato, Salvatore	3396195	Grant	Particle Packing Problems	National Science Foundation	07/01/2008	06/30/2011	235,447
Arnold, Craig B	3396191	Grant	Fundamentals of Laser Induced Forward Transfer for Optimized Control of Material Properties	Air Force Office of Scientific Research	03/01/2008	05/31/2011	350,000
Miles, Richard B	3396189	Grant	Magnetic Interactions with High Velocity Materials	Defense Advanced Research Projects Agency	02/15/2008	06/30/2011	750,000
Lyon, Stephen A	3396149	Grant	REVISED BUDGET #2: Electron Spins on Liquid Helium for Quantum Computing	National Science Foundation	09/01/2007	08/31/2010	350,000
Lyon, Stephen A	3396199						6,000
Shayegan, Mansour	3396145	Grant	Transport in Spin-Split Two-Dimensional Systems	DOE - Germantown	11/15/2006	11/14/2012	1,014,000
Gmachl, Claire F	3396140	Grant	High-Efficiency and High-Power Mid-Wave Infrared Cascade Lasers	Air Force Research Laboratory (WPAFB)	02/01/2007	03/31/2012	3,833,832
Selloni, Annabella	3396135	Subcontract	(PREM) Partnership for Research and Education in Materials	California State University, Northridge	07/01/2006	06/30/2012	147,970
E, Weinan							
Ong, Nai Phuan							
Register, Richard A							
E, Weinan	3396136						41,500
Selloni, Annabella	3396196						138,000
Ong, Nai Phuan							
Register, Richard A							
Lyon, Stephen A	3396126	Subcontract	Pulsed Spin Resonance of Donor Electrons in Nanoscale Si Devices	Lawrence Berkeley National Laboratory	06/01/2006	06/30/2014	786,400
Tyryshkin, Alexei M							
Lyon, Stephen A	3396428						227,300
Tyryshkin, Alexei M							
Selloni, Annabella	3396124	Grant	Theoretical Research Program on Bio-inspired Inorganic Hydrogen Generating Catalysts and Electrodes	DOE - Washington	09/15/2006	03/14/2012	1,125,000
Car, Roberto							
Selloni, Annabella	3396398						450,000
Car, Roberto							
Gmachl, Claire F	3396104	Grant	Mid-Infrared Technologies for Health and the Environment (MIRTHE)	National Science Foundation	05/01/2006	04/30/2014	14,566
Gmachl, Claire F	3396105						1,207,149
Gmachl, Claire F	3396106						883,321
Gmachl, Claire F	3396107						346,534
Gmachl, Claire F	3396108						175,210

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PRISM (9)

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Gmachl, Claire F	3396109	Grant	<i>Continued from Above</i>	National Science Foundation	05/01/2006	04/30/2014	525,693
Gmachl, Claire F	3396110						211,331
Gmachl, Claire F	3396111						58,908
Gmachl, Claire F	3396112						133,651
Gmachl, Claire F	3396113						121,376
Gmachl, Claire F	3396114						267,138
Smith, James A	3396115						383,782
Smith, James A	3396116						100,000
Gmachl, Claire F	3396117						55,578
Gmachl, Claire F	3396118						235,320
Gmachl, Claire F	3396119						769,897
Montemarano, Joseph X	3396120						130,417
Gmachl, Claire F	3396128						66,404
Gmachl, Claire F	3396151						319,357
Gmachl, Claire F	3396152						996,041
Gmachl, Claire F	3396153						107,008
Gmachl, Claire F	3396154						416,823
Gmachl, Claire F	3396155						226,709
Gmachl, Claire F	3396156						20,164
Gmachl, Claire F	3396157						1,886,316
Gmachl, Claire F	3396158						903,442
Gmachl, Claire F	3396159						671,589
Gmachl, Claire F	3396160						20,164
Gmachl, Claire F	3396161						436,701
Gmachl, Claire F	3396162						244,451
Gmachl, Claire F	3396163						384,539
Gmachl, Claire F	3396164						378,022
Gmachl, Claire F	3396165						229,965
Gmachl, Claire F	3396166						264,385
Gmachl, Claire F	3396167						287,153
Gmachl, Claire F	3396168						572,281
Smith, James A	3396169						59,334
Smith, James A	3396170						381,534
Smith, James A	3396171						403,759

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

PRISM (10)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Smith, James A	3396172	Grant	<i>Continued from Above</i>	National Science Foundation	05/01/2006	04/30/2014	107,495
Smith, James A	3396173						403,122
Smith, James A	3396174						672,044
Smith, James A	3396175						223,375
Smith, James A	3396176						135,229
Gmachl, Claire F	3396177						452,508
Gmachl, Claire F	3396178						308,253
Gmachl, Claire F	3396190						230,661
Smith, James A	3396192						438,401
Gmachl, Claire F	3396197						429,961
Gmachl, Claire F	3396198						380,067
Gmachl, Claire F	3396201						362,590
Gmachl, Claire F	3396301						386,500
Gmachl, Claire F	3396302						134,268
Gmachl, Claire F	3396303						370,300
Gmachl, Claire F	3396304						292,756
Gmachl, Claire F	3396305						278,764
Gmachl, Claire F	3396327						110,000
Gmachl, Claire F	3396424						116,550
Gmachl, Claire F	3396425						150,068
Gmachl, Claire F	3396438						40,905
Gmachl, Claire F	3396439						200,000
Gmachl, Claire F	3396465						66,300
Gmachl, Claire F	3396466						85,000
Gmachl, Claire F	3396467						51,425
Arnold, Craig B	3396096	Grant	NSF CAREER: Laser Modified Transport in Electrochemical Materials	National Science Foundation	03/01/2006	02/29/2012	500,000
Car, Roberto	3396073	Grant	Density Functional Theory with Dissipation: Transport through Single Molecules	DOE - Chicago	05/01/2005	04/30/2014	824,999
Car, Roberto	3396464						105,000
Torquato, Salvatore	3396003	Grant	Tailoring Interaction Potentials to Form Targeted Material Structures	DOE - Germantown	01/01/2004	12/31/2011	351,996
Torquato, Salvatore	3396316						386,004
Prucnal, Paul R	3416288	Grant	Ultrafast Multidimensional Optical CDMA Networks	Defense Advanced Research Projects Agency	11/25/2002	08/31/2010	4,803,274
Prucnal, Paul R	3396050						292,400

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

PRISM (11)

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Prucnal, Paul R	3414126	Contract	Ultrafast All-Optical Route	Ultra Fast Optical Systems, Inc.	07/01/2000	06/30/2015	631,598
Chou, Stephen Y	3414052	Grant	Nanofabrication & Nanometer-Scale High Speed Devices for Future Ultra-Large Scale ICS	The David and Lucile Packard Foundation	02/01/1998	10/31/2011	263,507
Forrest, Stephen R	3414032	Contract	Electroluminescent in Long-Lifetime Polymers and Associated Problems in Organic Light Emitters	Hoechst Marion Roussel	04/01/1997	12/31/2010	116,730

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Program in Theater

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Cadden, Michael W	1874000	Grant	Princeton University/McCarter Theater Fellowship	The Ford Foundation	07/01/2009	08/31/2010	31,586

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ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Gould, Elizabeth	2556647	Grant	Gene Expression in Motor Neurons with Differential Susceptibility to ALS	National Institutes of Health	06/01/2011	05/31/2013	418,579
Conway, Andrew R	2556646	Contract	Afghan Language Aptitude Battery	University of Maryland	04/01/2011	05/01/2012	181,414
Todorov, Alexander T	2554187	Grant	Pictures in Our Head: Disentangling Visual and Semantic Components of Stereotypes	Netherlands Organisation for Scientific Research	02/01/2011	01/31/2012	81,449
Gould, Elizabeth	2556645	Grant	NRSA: Prenatal Exposure to High-fat Diets Promotes Alcohol Preference in the Offspring	National Institutes of Health	09/20/2010	09/19/2013	124,980
Bocarsly, Miriam E	2554186	Grant	Inference of Large-scale Dynamic Cortical Interactions that Mediate the Integration of Faces and Voices	The Pew Charitable Trusts	07/01/2010	06/30/2014	95,000
Ghazanfar, Asif A	2554186						
Takahashi, Daniel Y	2554186						
Todorov, Alexander T	2556644	Grant	Request for Travel Support for Confernece Attendance	National Science Foundation	09/01/2010	08/31/2011	7,200
Gould, Elizabeth	2556643	Grant	Reward, Stress and Hippocampal-Prefrontal Cortex Circuitry	National Institutes of Health	07/07/2010	06/30/2012	440,738
Ghazanfar, Asif A	2554185	Grant	Vocal Communication Emerges and Evolves through Coupled Oscillations	James S. McDonnell Foundation	12/01/2010	12/01/2016	600,000
Todorov, Alexander T	2554184	Grant	Visiting Scholar at the Russell Sage Foundation	Russell Sage Foundation	09/01/2010	06/30/2011	72,126
Shelton, J. N	2556642	Grant	NSF Fellowship Institutional Allowance	National Science Foundation	08/05/2009	08/04/2011	10,000
Taylor, Valerie J							
Shafir, Eldar	2556640	Grant	The Psychology of Scarcity: ts behavioral causes and consequences	National Science Foundation	09/15/2009	08/31/2012	480,000
Gould, Elizabeth	2556639	Grant	ARRA:NRSA Rewarding Experience and the Aging Brain	National Institutes of Health	09/01/2009	08/31/2011	109,144
Glasper, Erica R							
Gould, Elizabeth	2554183	Grant	The Effect of Gilead Compounds on Binge Eating Behavior and Obesity in the Rat	Gilead Sciences, Inc.	07/15/2009	06/30/2012	92,921
Darley, John M	2554182	Contract	Law Firm Culture Project	The Law School Admission Council, Inc.	07/01/2009	01/31/2013	165,635
Johnson-Laird, Philip N	2556638	Grant	Deductive and Probabilistic Reasoning	National Science Foundation	05/01/2009	04/30/2012	464,939
Gould, Elizabeth	2554178	Grant	The Spinal Nucleus of the Bulbocavernosus and its Resistance to Amyotropic Lateral Sclerosis	PROJECT A.L.S.	09/01/2008	10/31/2010	135,000
Hoebel, Bartley G	2554177	Contract	The Role of Accumbens Acetylcholine in Antipsychotic-induced Obesity	Lilly Research Labs	09/23/2008	09/22/2010	9,600
Leuner, Benedetta	2556636	Grant	Motherhood , Oxytocin and the Medial Frontal Cortex	National Institutes of Health	09/02/2008	12/31/2010	119,236
Gould, Elizabeth	2556636						
Shelton, J. N	2556635	Grant	Interracial Interactions over Time: Problems and Solutions	National Science Foundation	09/01/2008	08/31/2012	482,749
Shafir, Eldar	2556634	Grant	Financial Scarcity and Depleted Decision Making	U.S. Dept of Agriculture	09/05/2008	09/30/2011	29,969
Gould, Elizabeth	2554175	Grant	NARSAD: Oxytocin, Resilience and the Postpartum Period	Natl Alliance for Res on Schizophrenia & Depression (NARSAD)	01/01/2009	12/21/2010	51,186
Leuner, Benedetta							
Shelton, J. N	2554174	Grant	Ethnic Identity and Psychological Adjustment Among African, Asian and Latino Youth	Fordham University	04/01/2008	03/31/2012	391,967

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Psychology (2)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Pronin, Emily	2554173	Grant	Pitfalls of Investor Decision-Making in the Social Interaction Context	FINRA Investor Education	03/01/2008	08/31/2011	111,019
Pronin, Emily	2556631	Grant	The Introspection Illusion and Problems of Free Will, Actor-Observer Differences, and Bias Correction	National Science Foundation	02/01/2008	01/31/2012	286,776
Fiske, Susan T	2554171	Grant	Envy Up, and Contempt Down: Intergroup Experience in the Stereotype Content Model.	Russell Sage Foundation	02/01/2008	01/31/2011	186,270
Fellbaum, Christiane D	2556629	Grant	RI: Collaborative Proposal: Complementary Lexical Resources: Towards an Alignment of WordNet and FrameNet	National Science Foundation	08/01/2007	07/31/2010	8,627
Fellbaum, Christiane D	1756350						116,372
Fellbaum, Christiane D	1756351						18,000
Ghazanfar, Asif A	2556627	Grant	Multisensory Integration of Faces and Voices in the Primate Temporal Lobe	National Institutes of Health	07/01/2007	06/30/2012	1,669,706
Treisman, Anne M	2556626	Grant	Spatial Representations and Attention	University of California at Berkeley	07/01/2006	06/30/2011	192,767
Goldberg, Adele E	2556621	Grant	Learning Argument Structure Generalizations	National Science Foundation	09/01/2006	08/31/2010	259,722
Goldberg, Adele E	2556637						5,416
Ghazanfar, Asif A	2556620	Grant	CAREER: The evolution of speech-reading	National Science Foundation	07/01/2006	06/30/2012	600,001
Prentice, Deborah A	2554160	Grant	Deciding to Leave: Attrition at Public Universities	The Andrew W. Mellon Foundation	04/01/2006	12/31/2011	1,401,166
Gould, Elizabeth	2556596	Grant	Hormones, Experience and Hippocampal Neurogenesis	National Institutes of Health	12/06/2002	08/31/2010	1,698,053
Gould, Elizabeth	2556641						111,688

Contributions Made to Other Units :

Princeton Neuroscience Institute

Matthew M Botvinick

Jonathan D Cohen

Uri Hasson

Daniel Kahneman

Sabine Kastner

Yael Niv

Kenneth A Norman

Daniel N. Osherson

Alexander T Todorov

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Religion

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Batnitzky, Leora F	2604139	Grant	Andrew Mellon New Directions Fellowship	The Andrew W. Mellon Foundation	07/01/2009	08/31/2012	50,022
Schafer, Peter	2604135	Grant	Distiguished Achievement Award	The Andrew W. Mellon Foundation	09/01/2007	09/01/2012	1,425,812
Schafer, Peter	2604137						149,396

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Sociology

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Duneier, Mitchell Murphy, Alexandra K	2756084	Grant	Doctoral Dissertation Research: The Social Organization of Suburban Poverty: A Community Study of Everyday Life among the African American Suburban Poor	National Science Foundation	05/15/2011	04/30/2012	9,840
Portes, Alejandro	2754077	Grant	Transnational Immigrant Organizations, Political Incorporation, and Development	Russell Sage Foundation	06/01/2010	05/31/2012	34,415
Duneier, Mitchell Lane, Jeffrey F	2756082	Grant	Doctoral Dissertation Research: Digital Ethnography of Harlem Youth	National Science Foundation	09/01/2010	08/31/2012	9,984
Vertesi, Janet A	2756081	Grant	From Cyberspace to Outer Space: Social Computing and its Effects in Large-Scale Planetary Exploration Systems	National Science Foundation	09/01/2010	08/31/2013	749,257
DiMaggio, Paul J Goldberg, Amir	2756080	Grant	Doc Dis Research: Where Do Social Categories Come From? A Comparative Analysis of Online Interaction and Categorical Emergence in Music and Finance	National Science Foundation	09/01/2010	08/31/2012	8,350
DiMaggio, Paul J	2756079	Grant	Collaborative Research: Understanding the Economic Crisis and its Social Impacts through Collaborative Postdoctoral Fellowships	National Science Foundation	03/15/2010	02/28/2015	264,728
Duneier, Mitchell Murphy, Alexandra K	2754076	Grant	The Social Organization of Suburban Poverty: Poverty Dynamics in a Poor African American Suburb	The John D. & Catherine T. MacArthur Fdn	12/01/2009	11/30/2011	10,001
Duneier, Mitchell Murphy, Alexandra K	2756078	Grant	Doctoral Dissertation Research Grant: Social Organization of Suburban Poverty: A Community Study of Poverty in the Suburbs	U.S. Dept of Housing & Urban Dev	10/20/2009	10/20/2012	24,976
Portes, Alejandro	2754075	Grant	The Center for Migration and Development at Princeton University: Past Achievements, Research Continuities and Thematic Priorities	The John D. & Catherine T. MacArthur Fdn	12/01/2008	11/30/2011	750,571
DiMaggio, Paul J Becher, Deborah L	2756077	Grant	Valuing Property: Eminent Domain for Urban Redevelopment, Philadelphia 1992-2007	U.S. Dept of Housing & Urban Dev	09/20/2007	09/01/2010	18,583
Portes, Alejandro	2754071	Grant	The New Second Generation in Spain	The Spencer Foundation	08/01/2007	10/31/2010	475,850
Portes, Alejandro	2754072						21,900

Contributions Made to Other Units :

Center for Study of Religion

Robert J Wuthnow

Electrical Engineering

Matthew J. Salganik

Office of Population Research (WWS)

Delia S Baldassarri

Douglas S Massey

Sara S McLanahan

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

Contributions Made to Other Units (cont.):

Office of Population Research (WWS) (cont):

Devah Pager
Matthew J. Salganik
Edward E Telles
Marta Tienda

Princeton Institute for International and Regional Studies (PIIRS)

Gilbert F. Rozman

Woodrow Wilson School

Sara S McLanahan
Julian E Zelizer

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Woodrow Wilson School (WWS)

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Shapiro, Jacob N	2856118	Grant	The Politics of Militancy in Pakistan: Wave II	Georgetown University	05/01/2011	07/31/2012	30,170
Currie, Janet M	2854362	Grant	Differential Impacts of Environmental Policy on Infants in Poor and Minority Neighborhoods	The John D. & Catherine T. MacArthur Fdn	01/01/2010	12/31/2011	195,000
Mian, Zia Ramana, M. V.	2854358	Grant	Project on Peace and Security in South Asia: Research, Collaboration and Education for Reducing Nuclear Dangers in South Asia	New-Land Foundation	02/01/2011	01/31/2013	100,000
Shapiro, Jacob N	2856117	Grant	National Center for Risk & Economic Analysis of Terrorism Events (CREATE)	University of Southern California	01/01/2011	09/30/2015	55,000
von Hippel, Frank N Feiveson, Harold A Glaser, Alexander Mian, Zia	2854356	Grant	Extension of the International Panel on Fissile Materials (IPFM)	The John D. & Catherine T. MacArthur Fdn	03/01/2011	02/28/2014	1,200,000
Howard, Heather H	2854355	Grant	State Health Reform Implementation Project	The Robert Wood Johnson	04/15/2011	07/14/2011	61,180
Papp, John H	2854354	Grant	Behavioral Decision Making among Migrants in Rural India	Russell Sage Foundation	11/01/2010	10/31/2011	5,000
Howard, Heather H	2854353	Grant	State Health Reform Implementation Project	The Robert Wood Johnson	01/01/2011	06/30/2011	241,640
von Hippel, Frank N Mian, Zia	2854351	Grant	Study of the Possible Basis for a Diplomatic Resolution of the Confrontation over Iran's Nuclear Program	Rockefeller Brothers Fund, Inc.	12/15/2010	12/14/2011	25,600
von Hippel, Frank N Mian, Zia	2854352	Grant	A Study of the Possible Basis for a Diplomatic Resolution of the Confrontation over Iran's Nuclear Program	Ploughshares Fund	11/18/2010	12/31/2011	50,000
Norris, William J	2854350	Grant	Economic Statecraft: The Use of Commercial Actors in China's Grand Strategy	Smith Richardson Foundation, Inc.	11/15/2010	11/15/2011	7,500
Searchinger, Timothy D	2854349	Grant	Understanding the Land Use Implications of Biofuels	The Energy Foundation	09/01/2010	02/29/2012	100,000
Pop-Eleches, Grigore	2856115	Contract	Elections, Revolution, and Democracy in the Post-Cold War Era	National Council for Eurasian and East European Research	10/01/2010	09/30/2012	60,000
Deaton, Angus S	2856114	Grant	ARRA: Economics of Aging, Aging Health and Wellbeing Over the Lifecourse	National Bureau of Economic Research	09/01/2010	01/31/2011	97,298
Redding, Stephen J	2856113	Grant	ARRA: Risk and Inequality in a Global Economy	National Bureau of Economic Research	08/01/2010	08/31/2010	54,136
Mauzerall, Denise L Avnery, Shiri	2856112	Grant	Impact of O3 on Agriculture and Mitigation Options	NASA Headquarters - Washington	09/01/2010	08/31/2011	30,000
Shapiro, Jacob N	2854347	Grant	Political Violence in Pakistan -- Understanding Subnational Patterns	London School of Economics	04/01/2010	11/30/2011	77,084
Dinkelman, Taryn L Schulhofer-Wohl, Samuel A	2854348	Grant	Dynamics of Development: Infrastructure, Migration and Crowding	London School of Economics	04/01/2010	06/30/2011	24,452
Chyba, Christopher F Kahn, Laura H	2854346	Grant	Mutual International Learning on the Challenges Posed by Dual-Use Biotechnology	The John D. & Catherine T. MacArthur Fdn	09/01/2010	08/31/2012	225,000
Danspeckgruber, Wolfgang F	2854345	Grant	Afghanistan and the Region: A Way Forward	Carnegie Corporation of New York	07/01/2010	06/30/2012	324,334

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Woodrow Wilson School (WWS) (2)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Zelizer, Julian E	2854344	Grant	Visiting Scholar at the Russell Sage Foundation 2010-2011	Russell Sage Foundation	09/01/2010	06/30/2011	90,211
Christensen, Thomas J	2854343	Grant	Bradley Fellowship Foundation Program: Meritorious Support for Graduate Students and Post-graduate Fellows	The Lynde and Harry Bradley Fdn., Inc.	07/01/2010	06/30/2011	25,000
Oppenheimer, Michael	2856111	Grant	Collaborative Research: Assessing Assessments: A Historical and Philosophical Study of Scientific Assessments for Environmental Policy in the late 20t	National Science Foundation	08/01/2010	07/31/2013	387,085
Mas, Alexandre	2854342	Grant	Alfred P. Sloan Research Fellowship	Alfred P. Sloan Foundation	09/16/2009	09/15/2013	50,000
Friedberg, Aaron L	2854341	Grant	Shadows of Empire	Smith Richardson Foundation, Inc.	02/01/2010	01/31/2011	7,500
Case, Anne C Papp, John H	2856108	Grant	Doctoral Dissertation Research: Evaluation of India's National Rural Employment Guarantee Act in a General Equilibrium Framework	National Science Foundation	03/15/2010	02/28/2011	22,000
von Hippel, Frank N Feiveson, Harold A Glaser, Alexander Mian, Zia	2854339	Grant	Controlling Fissile Material and Nuclear Energy in a Disarming World	Carnegie Corporation of New York	10/01/2009	09/30/2011	324,068
von Hippel, Frank N Feiveson, Harold A Glaser, Alexander Mian, Zia	2854364						26,000
Christensen, Thomas J	2854338	Grant	Bradley Fellowship Program- Meritorious Support for Graduate and Post Graduate Students	The Lynde and Harry Bradley Fdn., Inc.	09/01/2009	08/31/2010	25,000
Shapiro, Jacob N	2856106	Grant	Terrorism, Governance and Development	Air Force Office of Scientific Research	05/01/2009	06/30/2014	8,478,659
Shapiro, Jacob N	2856110						1,021,341
Mian, Zia	2854334	Grant	Project on Peace and Security in South Asia: Research, Collaboration and Education for Reducing Nuclear Dangers in South Asia	New-Land Foundation	02/01/2009	01/31/2011	100,000
Shapiro, Jacob N	2856105	Grant	Models of Counterterrorism CREATE/START - 07OCT08	University of Southern California	10/01/2008	12/31/2010	252,895
Chyba, Christopher F Feiveson, Harold A Kahn, Laura H Mian, Zia von Hippel, Frank N	2854333	Grant	Rational Peasants - Princeton Developing the Technical Basis for Arms Control, Disarmament, and Nonproliferation Initiatives	The Ford Foundation	01/01/2009	12/31/2010	200,000
Biehl, Joao	2854332	Grant	Demanding the Right to Health in Courts: AIDS Treatment Access, Drug Markets, and Citizenship in Brazil Today	The Ford Foundation	01/01/2009	09/30/2011	200,000
Lee, David S	2854336	Grant	The Impact of Performance-Based Scholarships on Student Time Use	Bill & Melinda Gates Foundation	11/15/2008	11/14/2012	1,100,176

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Woodrow Wilson School (WWS) (3)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Widner, Jennifer A	2854331	Grant	Fragile States: Escape from Development Traps	Smith Richardson Foundation, Inc.	01/01/2009	06/30/2011	500,000
Wilcove, David S Larsen, Trond H	2854330	Grant	Beta-Diversity and Integrating Impacts of Highway Construction, Land-use, Hunting, and Climate Change on Biodiversity and Ecosystem Function in the so...	World Wildlife Fund	08/11/2008	04/30/2011	144,382
McLanahan, Sara S	2854329	Grant	The Future of Children : Transition to Adulthood	The John D. & Catherine T. MacArthur Fdn	10/04/2008	12/31/2011	195,311
Christensen, Thomas J	2854328	Grant	Bradley Fellowship Program- Meritorious Support for Graduate and Post Graduate Students	The Lynde and Harry Bradley	09/01/2008	08/31/2010	25,000
McLanahan, Sara S	2854325	Grant	The Future of Children	Bill & Melinda Gates Foundation	07/01/2008	06/30/2013	893,900
Friedberg, Aaron L	2854326	Grant	Understanding China's Grand Strategy	The Lynde and Harry Bradley Fdn., Inc.	07/01/2008	12/31/2011	40,000
Friedberg, Aaron L	2854323	Grant	To Support Meritorious and Promising Grad and Post Grad Fellows for 2008-2009 AY	The Lynde and Harry Bradley Fdn., Inc.	07/01/2008	06/30/2012	25,000
Friedberg, Aaron L	2854322	Grant	Support Meritorious and Promising Graduate and Post Graduate Fellows for AY2007-2008	The Lynde and Harry Bradley Fdn., Inc.	07/01/2007	06/30/2012	25,000
Friedberg, Aaron L	2854317	Grant	Training the Next Generation of Strategists: Strengthening Strategic Studies at Princeton	The Lynde and Harry Bradley Fdn., Inc.	12/10/2007	12/31/2011	99,000
Lee, David S	2854313	Grant	Alfred P. Sloan Research Fellowship	Alfred P. Sloan Foundation	09/01/2007	09/15/2010	42,510
Katz, Stanley N	2854310	Grant	Center for Arts and Cultural Policy Studies	The Andrew W. Mellon Foundation	07/01/2007	06/30/2011	266,640
Krueger, Alan B	2854309	Grant	Linking the College and Beyond Survey to Social Security Records	The Andrew W. Mellon Foundation	07/01/2007	04/30/2013	233,350
McLanahan, Sara S	2854308	Grant	The Future of Children Project: Preventing Child Abuse and Neglect	Doris Duke Charitable Foundation	01/01/2008	12/31/2010	213,829
McLanahan, Sara S	2854306	Grant	The Future of Children: High Schools	Bill & Melinda Gates Foundation	06/01/2007	07/31/2010	186,670
Chyba, Christopher F Feiveson, Harold A von Hippel, Frank N	2854282	Grant	Developing the Technical Basis for Arms Control, Disarmament, and Nonproliferation Initiatives	The John D. & Catherine T. MacArthur Fdn	01/01/2006	03/31/2013	2,326,642
Friedberg, Aaron L	2854281	Grant	Bradley Graduate and Post Graduate Fellowship Program	The Lynde and Harry Bradley Fdn., Inc.	09/01/2005	06/30/2012	25,000
von Hippel, Frank N Feiveson, Harold A Mian, Zia	2854280	Grant	An Independent International Panel on Fissile Materials (IPFM)	The John D. & Catherine T. MacArthur Fdn	01/01/2006	08/31/2011	2,215,922
von Hippel, Frank N Feiveson, Harold A	2854321						31,055
Ikenberry, G. J	2856095	Contract	Strategic Reactions to American Preeminence	National Intelligence Council	09/01/2004	08/30/2010	21,125

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

Woodrow Wilson School (WWS) (4)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
McLanahan, Sara S	2854245	Grant	The Future of Children	The David and Lucile Packard Foundation	02/23/2004	12/31/2012	1,164,307
McLanahan, Sara S	2854248						720,528
Friedberg, Aaron L	2854238	Grant	Research Program in International Security	Smith Richardson Foundation, Inc.	07/01/2001	07/01/2011	153,592
Friedberg, Aaron L	2854233	Grant	Bradley Graduate and Post Graduate Fellowship Program	The Lynde and Harry Bradley Fdn., Inc.	09/01/2003	08/31/2010	30,000

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

WWS - Office of Population Research

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Massey, Douglas S	4006269	Grant	Demography	National Institutes of Health	05/01/2011	04/30/2016	1,322,816
Massey, Douglas S	4006270						318,973
Currie, Janet M	4006268	Grant	Using Vital Statistics Natality Data to Assess the Impact of Environmental Policy: The Examples of Superfund, the Toxic Release Inventory, and E-ZPass	U.S. Environmental Protection Agency	04/01/2011	03/31/2014	492,103
Tienda, Marta	4004216	Grant	INSIDE; Child Migration Research Conference	American Academy for Political and Social Sciences	05/01/2011	04/30/2012	30,000
McLanahan, Sara S	4004215	Grant	Future of Children Literacy Volume	Annie E. Casey Foundation	06/01/2011	05/31/2012	53,000
Massey, Douglas S	4006267	Grant	Doctoral Dissertation Research: Early Childhood Behavioral Skills and Educational Attainment	National Science Foundation	03/15/2011	02/29/2012	5,770
Owens, Jayanti J							
Dinkelman, Taryn L	4006266	Grant	Market Integration and the Long-term Health Impacts of Drought	National Institutes of Health	02/15/2011	06/30/2011	161,000
DeKlyen, O. Michelle	4004213	Grant	Building Family Success: An Evaluation Project	Family Intervention Services	01/01/2011	12/31/2011	45,000
McLanahan, Sara S	4004214	Grant	Pew Home Visiting Campaign	Teachers College - Columbia University	09/15/2010	12/31/2011	14,000
McLanahan, Sara S	4004212	Grant	An Implementation Evaluation of Trenton NJ's Youthstat Program	The City of Trenton	12/01/2010	11/30/2011	27,000
Pouncy, Hillard							
Grenfell, Bryan T	4006264	Other	IPA: Bryan Grenfell	National Institutes of Health	07/01/2010	06/30/2012	203,242
McLanahan, Sara S	4006262	Grant	Doctoral Dissertation Research: Wealth and the Propensity to Marriage	National Science Foundation	08/15/2010	07/31/2012	4,845
Schneider, Daniel J							
DeKlyen, O. Michelle	4004211	Grant	Workshop Development: Attachment and Children's Mental Health	Prevent Child Abuse-New Jersey	04/01/2010	12/31/2010	4,000
Paxson, Christina H	4006260	Grant	ARRA: Administrative Supplement to Adversity and Resilience after Hurricane Katrina	National Institutes of Health	09/30/2009	09/29/2011	186,347
Trussell, James	4006261	Grant	Infrastructure for the Office of Population Research	National Institutes of Health	09/28/2009	08/31/2014	4,523,500
McLanahan, Sara S	4006259	Grant	ARRA: Administrative Supplement to Fragile Families and Child Wellbeing	National Institutes of Health	09/30/2009	09/29/2011	223,160
McLanahan, Sara S	4006257	Grant	Children's Health Disparities in the U.S. and the U.K.: The Role of the Family	National Institutes of Health	09/28/2009	08/31/2014	613,472
Beck, Audrey N	4004210	Grant	Invisible Children: A Comparative Analysis of Living Arrangements of Migrant Youth	Jacobs Foundation	09/01/2009	08/31/2010	27,550
Krueger, Alan B	4006258	Grant	Princeton Center for Research on Experience and Wellbeing	National Institutes of Health	09/30/2009	08/31/2014	2,279,181
Telles, Edward E	4004209	Grant	Social Science Analysis of Race and Ethnicity in Latin America	Ford Foundation	10/01/2009	06/30/2011	164,000
Baldassarri, Delia S	4006255	Grant	ARRA: Social and Spatial Networks, Social Capital, and Leadership Accountability in Rural Development: A Study of Uganda's APEP	National Science Foundation	08/15/2009	07/31/2012	495,090
Salganik, Matthew J	4006254	Grant	Improvements to Respondent-Driven Sampling for the Study of Hidden Populations	National Institutes of Health	09/01/2009	08/31/2012	444,936
Case, Anne C	4006251	Grant	Princeton Center for the Demography of Aging	National Institutes of Health	07/01/2009	06/30/2014	3,466,836

Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

WWS - Office of Population Research (2)

ACTIVE SPONSORED PROJECTS

7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Massey, Douglas S	4006252	Grant	Public Use Data on Mexican Immigration	National Institutes of Health	09/01/2009	08/31/2014	1,982,684
Goldman, Noreen J	4006250	Grant	Biodemography of Health, Social Factors and Life Challenge	National Institutes of Health	07/01/2009	05/31/2014	2,928,325
Goldman, Noreen J	4006253						18,998
Massey, Douglas S	4004208	Grant	Monitoring Mount Laurel: The Effects of Low Income Housing on People and Places	The John D. & Catherine T. MacArthur Fdn	12/01/2008	11/30/2011	445,426
Telles, Edward E	4004207	Grant	Social Science Survey of Race in Latin America	The Ford Foundation	09/01/2008	08/31/2010	100,000
Paxson, Christina H	4006243	Grant	Adversity and Resilience after Hurricane Katrina	National Institutes of Health	03/15/2008	02/28/2013	426,464
Paxson, Christina H	4006245						2,260,045
Massey, Douglas S	4006242	Grant	Social Influences on Early Adult Stress Biomarkers	Northwestern University	04/01/2007	01/31/2012	314,571
Goldman, Noreen J	4006241	Grant	Social Disparities in Health Among Latinos	University of California at Los Angeles	05/01/2007	04/30/2012	941,848
Tienda, Marta	4004201	Grant	Percent Plans as Affirmative Action: Texas Higher Education Opportunity Project	The Ford Foundation	01/01/2007	12/31/2010	600,000
Pager, Devah	4006239	Grant	Discrimination in the Lives of Young Disadvantaged Men	National Institutes of Health	09/19/2006	08/31/2012	762,716
Pager, Devah	4004199	Grant	Barriers in the Pathway to Adulthood: The Role of Discrimination in the Lives of Young Disadvantaged Men	William T. Grant Foundation	07/01/2006	06/30/2012	341,390
Trussell, James	4006231	Grant	Demography Training At Princeton	National Institutes of Health	05/01/2006	04/30/2011	0
Trussell, James	4006237						325,484
McLanahan, Sara S	4006230	Grant	Fragile Families and Child Wellbeing in Middle Childhood	National Institutes of Health	07/04/2006	04/30/2012	16,167,450
McLanahan, Sara S	4006256						162,164
Pager, Devah	4006229	Grant	CAREER: Toward Improving the Conceptualization and Measurement of Discrimination	National Science Foundation	04/15/2006	03/31/2012	400,103
Massey, Douglas S	4004177	Grant	New Immigrant Survey	RAND Corporation	03/01/2004	06/30/2011	1,739,920
Massey, Douglas S	4006263						429,758
Massey, Douglas S	4006265						231,294
Massey, Douglas S	4004172	Grant	The National Longitudinal Survey of Freshmen	The Andrew W. Mellon Foundation	07/01/2004	12/31/2010	738,667
McLanahan, Sara S	4004152	Grant	Fragile Families and Child Wellbeing Study	The Robert Wood Johnson	01/01/2002	12/31/2011	2,218,229

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

WWS - The Survey Research Center

ACTIVE SPONSORED PROJECTS
7/1/2010 - 6/30/2011

<u>Investigator</u>	<u>Account</u>	<u>Award Type</u>	<u>Title</u>	<u>Sponsor</u>	<u>Start Date</u>	<u>End Date</u>	<u>Award (\$)</u>
Freeland, Edward P	3564007	Grant	Research Support for the Evaluation of the Graduate Education Initiative	The Andrew W. Mellon Foundation	07/01/2010	06/30/2013	416,116

 Note: Lead Principal Investigators (PI) are listed using bold face letters. Indented names are child project/grants.

B.I. OFFICE OF TECHNOLOGY LICENSING AND INTELLECTUAL PROPERTY

GENERAL

The Office of Technology Licensing and Intellectual Property's (OTL) objective is to facilitate the transfer of Princeton-developed technology to commercial entities so that the public can benefit from the results of the research. The OTL has a staff of five to manage all of the University intellectual property including a Director, a business manager, two senior licensing associates, and an administrative assistant.

PERFORMANCE

The metrics for fiscal year 2011 improved and continue to be relatively high as compared with other institutions of similar size and research spending.

Total program income, which is a combination of patent license income and legal fees reimbursed, was approximately \$117,586,000, a 19% increase from last year. Additionally, patent license income increased from \$95,948,000 last year to \$115,206,000 in fiscal year 2011. Most of this increase is again attributable to the royalty payments received for the sales of Alimta™, the anti-cancer compound licensed to Eli Lilly. Despite its dramatic growth in recent years, we still expect this number to continue to rise over the next few years as Alimta™ is approved in even more countries and for different indications.

The total number of license and/or option agreements negotiated was 16, which was in line with our expectation of between 12 and 20 agreements on an annual basis. Additionally, we granted rights in 20 new technologies. Section E lists FY 2010 Invention Disclosures, Patent Applications and Issued Patents.

The number of invention disclosures that were received was 84, which was up 35% from 62 last year. Distributions to inventors increased to \$34,839,000 from \$28,924,000 last year.

The OTL also has responsibility for negotiating other types of agreements for the University including material transfer agreements, confidentiality agreements, and assisting grant and contract staff with intellectual property terms in research agreements.

OTL ANNUAL STATISTICS

	<u>FY 2010</u>	<u>FY 2011</u>
License/Option Agreements	22	16
Total Program Income	\$98,839,000	\$117,586,000
Department Distribution	\$319,000	\$397,000
Inventor Distribution	\$28,924,000	\$34,839,000
Disclosures	62	84

ROYALTY PIPELINE

In the field of university technology transfer, large royalty incomes are usually the result of one or two licenses that generate substantial revenues. Such “breakthrough” inventions, however, are impossible to predict and usually require 7, 10, or even 15 years for a product to reach the market and thereby generate consistent royalty streams for the University.

Our first such “breakthrough” invention reached the marketplace during FY 2004. Alimta™, an anti-cancer drug developed in the laboratory of Professor Ted Taylor of our Department of Chemistry has been on the market since February 2004. To date, Alimta™ has been approved for mesothelioma and as a first-line lung cancer treatment and is approved in more than 30 countries worldwide. Additionally, Lilly has applied in Europe for approval for small cell lung cancer and is awaiting an answer from the regulatory authorities.

Another potential breakthrough invention is the Organic Light Emitting Device (OLED) which is being commercialized by Universal Display Corporation, a world leader in the development of this technology for future generations of flat panel displays, lasers and other light generating devices. The company has a number of license agreements with display manufacturers including Samsung, the leading manufacturer of OLEDs in the world. Samsung has begun to manufacturing products including cell phones that include the OLED technology and expect sales to rise steadily in the years to come.

SECTION B.I
TABLE 9

PATENTS AND LICENSING ACTIVITY
FY 2007 - FY 2011

	FY07	FY08	FY09	FY10	FY11
<u>Invention Disclosures</u>					
Campus Disclosures	76	85	77	62	84
<u>Patent Applications</u>					
U.S. Regular Patent Applications	40	36	26	24	26
U.S. Provisional Applications	53	64	59	45	65
U.S. Continuation Applications	14	17	22	11	4
Total U.S. Applications					
Filed	107	117	107	80	95
<u>U.S. Patents Issued</u>					
	26	33	38	41	33
<u>License Agreements</u>					
Patent License & Option Agrmts.	23	15	14	22	16
Technologies Licensed**	25	32	19	32	20
<u>Program Income</u>					
(\$ in Thousands)					
Patent License Income	\$34,597	\$47,759	\$63,210	\$95,948	\$115,206
Legal Fees Reimbursed	<u>\$3,019</u>	<u>\$3,261</u>	<u>\$2,443</u>	<u>\$2,891</u>	<u>\$2,380</u>
Total Program Income	\$37,616	\$51,020	\$65,653	\$98,839	\$117,586
<u>Selected Program Expenditures*</u>					
(\$ in Thousands)					
Legal Fees and Disbursements	\$3,744	\$4,166	\$2,989	\$3,151	\$2,560
Department Allocations	\$273	\$154	\$202	\$319	\$397
Royalties Distributed to					
Inventors	<u>\$10,895</u>	<u>\$13,871</u>	<u>\$18,971</u>	<u>\$28,924</u>	<u>\$34,839</u>
Total Selected Program					
Expenditures	\$14,912	\$18,191	\$22,162	\$32,394	\$37,796

*May include amounts accrued from previous years but not disbursed until after the current FY.

**Shows the number of Princeton technologies that are licensed and/or optioned yearly.

SECTION B.II

Invention Disclosures Made During FY11

DOCKET #	TITLE	INVENTOR(S), DEPT	DISCLOSURE DATE
11-2631-1	Air Laser	Richard Miles, MAE Arthur Dogariu, MAE James Michael, MAE	07/09/2010
11-2632-1	DONAR: Decentralized Server Selection for Cloud Services	Michael Freedman, COS Joe Wenjie Jiang, COS Jennifer Rexford, COS Patrick Wendell, Undergraduate Class of 2011	09/15/2010
11-2633-1	Inducing Apoptosis in Quiescent Cells	Hilary Collier, MOL	07/16/2010
11-2634-1	Magnetic Divertor for Low Plasma Recycling in Tokamaks	Ernesto Mazzucato, PPL	07/08/2010
11-2635-1	Multiplexed Shotgun Genotyping: A method for making genome-wide estimates of ancestry	David Stern, Ecology & EB Peter Andolfatto, EEB	08/25/2010
11-2636-1	Handheld Digital Three-Dimensional Color Imaging Camera	Peter King Humanik Eric Edlund, PPL	10/13/2010
11-2637-1	Heterocycle Catalyzed Electrochemical Process	Andrew Bocarsly, CHM Emily Barton Cole, Chemistry Dept. Emily Barton Cole Kyle Teamey Nety Krishna	08/25/2010
11-2638-1	FLK 2 Mice	Ihor Lemischka	08/31/2010
11-2639-1	The Change-Point Program	Haw Yang, CHM	08/06/2010
11-2640-1	Anti-PP2A antibody-producing mouse hybridoma cell lines 4D9 and 6A3 for the analysis of PP2A carboxyl methylation	Jeffrey Stock, MOL	09/22/2010
11-2641-1	Mesoporous metal oxide graphene nanocomposite materials	Ilhan Aksay, Chemical & Biological Engineering	09/24/2010

SECTION B.II

Invention Disclosures Made During FY11

DOCKET #	TITLE	INVENTOR(S), DEPT	DISCLOSURE DATE
11-2642-1	Nanocomposite of graphene and metal oxide materials	Jun Liu Ilhan Aksay, Chemical & Biological Engineering Daiwon Choi Donghai Wang Zhenguo Yang	09/24/2010
11-2643-1	Self-assembled multi-layer nanocomposite of graphene and metal oxide materials	Ilhan Aksay, Chemical & Biological Engineering Jun Liu	09/29/2010
11-2644-1	Flexible software framework for assessing leakage risk for geological storage of CO2	Michael Celia, Civil and Environmental Engineering Jan Nordbotten, Civil & Environmental Engineering Mark Dobossy, Civil & Environmental Engineering	08/19/2010
11-2645-1	PatchMatch 2.0 extensions (P962) Determining correspondence between image regions	Adam Finkelstein, COS Connelly Barnes, COS Dan Goldman Eli Shechtman	08/03/2010
11-2646-1	Electronic interconnects and devices with topological surface states and methods for fabricating same	Ali Yazdani, PHY Robert Cava, CHM Nai-Phuan Ong, PHY	07/28/2010
11-2647-1	Toward microfluidic magnetic multi-cell sorting	Howard Stone, Mechanical and Aerospace Engineering Scott Shao Hsiang Tsai, MAE	07/27/2010
11-2648-1	Optimal crosstalk cancellation for binaural audio with two loudspeakers	Edgar Choueiri, Mechanical and Aerospace Engineering	09/10/2010
11-2649-1	Lab safety and information technology	Howard Stone, Mechanical and Aerospace Engineering James Boehlert, Environmental Health and Safety Samuel Kim Alison Forsyth, MAE Scott Shao Hsiang Tsai, MAE Jiandi Wan, MAE	08/27/2010
11-2650-1	Helium pumping wall for a liquid lithium tokamak	Richard Majeski, PPL	09/20/2010

SECTION B.II

Invention Disclosures Made During FY11

DOCKET #	TITLE	INVENTOR(S), DEPT	DISCLOSURE DATE
11-2651-1	Graphene Tapes	Sibel Korkut, CHE David Milius, CHE Joseph Roy-Mayhew, CHE Daniel Dabbs, CHE Ilhan Aksay, Chemical & Biological Engineering	10/10/2010
11-2652-1	Graphene electrodes for solar cells	Joseph Roy-Mayhew, CHE Ilhan Aksay, Chemical & Biological Engineering	10/10/2010
11-2653-1	Optimization software for the design of kinetic structures	Ashley Thrall, CEE Ignacio Paya-Zaforteza, CEE Theodore Zoli, CEE	10/12/2010
11-2654-1	A design to structure the acquisition, reward and exchange of financial information.	Sylvain Chassang, Economics and Public Affairs, WWS	10/19/2010
11-2655-1	Buckled and Wavy Piezoelectric Ribbons for Stretchable Energy Harvesting Devices	Yi Qi, FORMERLY OF MAE Michael McAlpine, Mechanical and Aerospace Engineering	12/10/2010
11-2656-1	Ultra-lean combustion by pulsed microwave	Richard Miles, MAE James Michael, MAE	11/01/2010
11-2657-1	Integrated 3D chalcogenide waveguides on curved surfaces	Craig Arnold, Mechanical and Aerospace Engineering Yunlai Zha, ELE Candice Tsay, ELE	11/02/2010
11-2658-1	Method for cleaning and reusing patch clamp micropipettes	Frederick Soo, MOL	11/04/2010
11-2659-1	Reverse ChIP: Sequence-specific extraction of DNA-bound histones for analysis of post-translational modification by mass spectrometry	Johannes Dapprich Benjamin Garcia, MOL Gary LeRoy, Molecular Biology NO LONGER AT PU	11/09/2010
11-2660-1	Nanofluidic Sorting	Haw Yang, CHM Bian Qian, CHM	11/15/2010

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DOCKET #	TITLE	INVENTOR(S), DEPT	DISCLOSURE DATE
11-2661-1	External cavity laser bar tester	Gerard Wysocki, ELE Yin Wang, ELE Feng Xie Chung-En Zah	11/18/2010
11-2662-1	Optimization algorithm for coherent localization	Vlad Chiriac York Dobyns, ELE Alexander Haimovich Stuart Schwartz, ELE	11/15/2010
11-2663-1	Microcin J25 variants	A. James Link, CHE Si Jia Pan, Chemical and Biological Engineering	11/19/2010
11-2664-1	Photovoltaic device and method of making same	Sushobhan Avasthi, ELE James Sturm, ELE	11/24/2010
11-2665-1	Active Wavelength Control for External Cavity Laser Systems	Gerard Wysocki, ELE Tracy Tsai, ELE	11/29/2010
11-2666-1	Co-Flow Microfluidic Device for Polymersome Formation	Robert Prud'homme, Chemical and Biological Engineering Michael Stredney, IMS/Polymer Program Douglas Adamson, CHM Mustafa Erhan Yildiz	11/30/2010
11-2667-1	Gas Phase Electrochemical Reduction of CO ₂	Andrew Bocarsly, CHM Elizabeth Zeitler, CHM Andrew Mills	12/28/2010
11-2668-1	Advanced Aromatic Amine Heterocyclic Catalysts for Carbon Dioxide Reduction	Andrew Bocarsly, CHM Amanda Morris, CHM Prasad Lakkaraju, CHM Raymond Dominey, CHM	12/28/2010
11-2669-1	Jagged 1 as a marker and therapeutic target for breast cancer bone metastasis	Yibin Kang, MOL Nilay Sethi, MOL	12/14/2010
11-2670-1	Microbubble-Templated Synthesis of Hollow Inorganic Particles	Jiandi Wan, MAE Howard Stone, Mechanical and Aerospace Engineering	01/07/2011
11-2671-1	Integrated flow directing GDL pore network for PEM fuel cells	Jay Benziger, CHE Ioannis Kevrekidis, CHE	01/14/2011

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DOCKET #	TITLE	INVENTOR(S), DEPT	DISCLOSURE DATE
11-2672-1	Modified Version of the Inducible Protein Depletion Method	Sanford Silverman, Lewis-Sigler Institute for Integrative G Robert McIsaac, Lewis-Sigler Institute for Integrative G David Botstein, EEB	01/17/2011
11-2673-1	Modulators of sirtuins as inhibitors of human cytomegalovirus	Emre Koyuncu, MOL Thomas Shenk, MOL Ileana Cristea, MOL	01/31/2011
11-2674-1	Metallocene Dimer Doping	Seth Marder, Chemistry & Materials Science Engineerin Stephen Barlow Tissa Sajoto Antoine Kahn, ELE Yabing Qi, ELE Kim Sang-Bok Swagat Mohapatra	01/21/2011
11-2675-1	Method of Producing Ultra-heavy Homogeneous Aerosol of Sub-micron Particles	Ernest Valeo, PPL Nathaniel Fisch, AST and PPPL	01/07/2011
11-2676-1	Hybrid sensing and computation networks based on large-area electronics and small-scale IC's	Naveen Verma, ELE James Sturm, ELE Sigurd Wagner, ELE	02/08/2011
11-2677-1	Scalable hybrid systems based on large-area and nano-scale electronics	Naveen Verma, ELE James Sturm, ELE Sigurd Wagner, ELE	02/08/2011
11-2679-1	Benzimidazole Inhibition of Biofilm Formation	Christopher Waters, MMG Karthik Sambanthamoorthy, MMG Matthew Neiditch, Microbiology & Molecular Genetics Martin Semmelhack, CHM	02/10/2011
11-2680-1	Amphiphilic Polymer Stabilized Nanoparticles with Enhanced Biological Stability and Activity	Robert Prud'homme, Chemical and Biological Engineering Adam York, Biomedical Engineering Prabhas Moghe, Chemical & Biochemical Engineering Kathryn Uhrich, Chemical & Chemical Biology	02/11/2011

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DOCKET #	TITLE	INVENTOR(S), DEPT	DISCLOSURE DATE
11-2681-1	Collaborative Mathematical Workbench	Eliot Feibush, PPL Matthew Milano, PPL Benjamin Phillips, PPL Andrew Zwicker, PPL James Morgan, PPL	02/09/2011
11-2682-1	A generalizable protocol for probing protein-protein, protein-nucleic acid, nucleic-acid/nuclei-acid, and nano-structure interactions in the bulk and on the single-molecule levels	Haw Yang, CHM Xun Sun, Chemistry (home dept)	02/14/2011
11-2683-1	Systems and methods for cylindrical hall thrusters with independently controllable ionization and acceleration stages	Kevin Diamant Yevgeny Raitses, PPL Nathaniel Fisch, AST and PPPL	02/15/2011
11-2684-1	Femtosecond Laser Excitation Anemometry by Tagging	Richard Miles, MAE Arthur Dogariu, MAE James Michael, MAE Matthew Edwards	02/18/2011
11-2685-1	A new concept for a rapid synthesis of the pleuromutilin scaffold and candidates for antibiotic drug discovery efforts	Erik Sorensen, CHM Junjia Liu, CHM Maurice Marsini, CHM	01/28/2011
11-2686-1	BIOMEDICAL DEVICE FOR COMPREHENSIVE AND ADAPTIVE DATA-DRIVEN PATIENT MONITORING OVER A LARGE-SCALE HEALTHCARE NETWORK	Naveen Verma, ELE Kyong Ho Lee, ELE	02/28/2011
11-2687-1	System and Methods for Time Dependent Internet Pricing	Mung Chiang, ELE Carlee Joe-Wong Sangtae Ha, ELE Soumya Sen, ELE	02/28/2011
11-2688-1	Particle gas target for high density laser produced plasmas	Charles Skinner, PPL Nathaniel Fisch, AST and PPPL Ernest Valeo, PPL	02/18/2011

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DOCKET #	TITLE	INVENTOR(S), DEPT	DISCLOSURE DATE
11-2689-1	SSDAlloc: Hybrid SSD/RAM memory Management made Easy	Anirudh Badam, COS Vivek Pai, COS	03/11/2011
11-2690-1	An Elastic Valve Technology for drop formation in emulsions	Talal Al-Housseiny, Chemical and Biological Engineering Talal A. Al-Housseiny Rima Al-Housseiny Howard Stone, Mechanical and Aerospace Engineering	03/24/2011
11-2691-1	miR-200 family miRNAs and its downstream genes as regulators of cancer progression and metastasis	Yibin Kang, MOL Manav Korpai, MOL	03/24/2011
11-2692-1	Bubble Form Marking De-Anonymization/Identification	Edward Felten, Computer Science & Public Affairs Joseph Calandrino, COS William Clarkson, COS	03/02/2011
11-2694-1	Single-mode Quantum Cascade Lasers Employing Candy-cane Shaped Monolithic Coupled-cavity	Qiang Liu, ELE Claire Gmachl, ELE Kamil Sladek	03/22/2011
11-2695-1	Distributed production of radionuclide Mo.99	Charles Gentile, PPL Adam Cohen, PPL George Ascione, Health Physics	03/28/2011
11-2696-1	Bioresorbable thin film sensors for highly sensitive and battery-free biological monitoring with wireless read-out	Michael McAlpine, Mechanical and Aerospace Engineering Manu Sebastian-Mannoor,, MAE	03/31/2011
11-2697-1	Methods to enhance the yield of infectious human cytomegalovirus and varicella zoster virus in cultured cells	Emre Koyuncu, MOL Joshua Rabinowitz, Lewis Sigler Institute ... Thomas Shenk, MOL	04/13/2011
11-2698-1	Graphene and graphene oxide sheets with low length to thickness ratios and the production method thereof	Michael Pope, Chemical & Biological Engineering Joseph Roy-Mayhew, CHE Ilhan Aksay, Chemical & Biological Engineering	04/07/2011

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DOCKET #	TITLE	INVENTOR(S), DEPT	DISCLOSURE DATE
11-2699-1	Reduction of the work function of conductive polymers, metals and metal-oxides by water soluble polymeric modifiers and their application for organic electronics	Antoine Kahn, ELE Jens Meyer, ELE Yinhua Zhou, ELE Caneek Fuentes-Hernandez, School of Electrical Engineering Jae Won Shim Bernard Kippelen Seth Marder, Chemistry & Materials Science Engineerin	04/19/2011
11-2700-1	Wavelength modulation-based detection of chirped laser molecular dispersion spectra	Gerard Wysocki, ELE Michal Nikodem, ELE	04/21/2011
11-2701-1	The Incorporation of Wrinkles and Folds to Enhance Efficiency and Bendability of Plastic Solar Cells and the Method to Create Such Structures	Yueh-Lin Loo, CHE Jongbok Kim, CHE Pilnam Kim, Mechanic and Aerospace Engineering Howard Stone, Mechanical and Aerospace Engineering Nicolas Pegard, ELE Jason Fleischer, ELE	04/22/2011
11-2702-1	In-line and compact QWIP for reference signal detection	Ekua Bentil, ELE Germano Penello Claire Gmachl, ELE	04/26/2011
11-2703-1	A Computational Framework for Quantitating Histone Post-Translational Modifications using LC-MS/MS Data	Peter DiMaggio, Jr., MOL Benjamin Garcia, MOL	04/27/2011
11-2704-1	Semi-permanent Dialysis Samplers for Long Term Sediment Environmental Monitoring	Peter Jaffe, CEE Luke MacDonald, CEE Jeffery Paull, CEE Joseph Vocaturo, CEE	05/03/2011
11-2705-1	Silicon/Organic Heterojunction (SOH) Solar Cell and Roll-to-roll Fabrication Process For Making Same	Yifei Huang, ELE Sushobhan Avasthi, ELE James Sturm, ELE	05/06/2011
11-2706-1	C-Halogen Bond Formation	John Groves, CHM (Chemistry) Wei Liu, Chemistry Dept.	05/11/2011

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DOCKET #	TITLE	INVENTOR(S), DEPT	DISCLOSURE DATE
11-2707-1	Mixture of Orthogonal SVM (MOSVM)	Sun-Yuan Kung, ELE Pingmei Xu, ELE Xu Chen, ELE	05/12/2011
11-2708-1	System and Method for Broadband RF Interference Cancellation	Paul Prucnal, ELE	05/17/2011
11-2709-1	Microparticle conformal coating technology on a chip	Scott Shao Hsiang Tsai, MAE Jason Wexler, MAE Jiandi Wan, MAE Howard Stone, Mechanical and Aerospace Engineering	05/25/2011
11-2710-1	User Interface Design for Time-dependent Pricing	Mung Chiang, ELE Sangtae Ha, ELE Soumya Sen, ELE Carlee Joe-Wong	06/06/2011
11-2711-1	A Middleware for Supporting Pricing Solutions in Broadband Networks	Mung Chiang, ELE Sangtae Ha, ELE Soumya Sen, ELE Carlee Joe-Wong	06/08/2011
11-2712-1	Antiviral combination therapy	Emre Koyuncu, MOL Thomas Shenk, MOL Joshua Rabinowitz, Lewis Sigler Institute ...	06/12/2011
11-2713-1	A system for automatic and infrastructureless detection of visual street-resident information and enabled applications	Emmanouil Koukoumidis, ELE Li-Shiuan Peh, ELE Margaret Martonosi, ELE	06/15/2011
11-2714-1	An efficient, catalytic and scalable method to produce chlorine dioxide	John Groves, CHM (Chemistry)	06/15/2011
12-2765-1	Bicycle Generator Lightbar Indicator	William Evans, Engineering & Construction Shana Weber, Office of Sustainability Andrew Zwicker, PPL	03/07/2011

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DOCKET #	TITLE	INVENTOR / DEPT.	SERIAL # FILED DATE
00-1852-1	Cyclometallated Metal Complexes as Phosphorescent Dopants in Organic LEDs	Mark Thompson Sergey Lamansky Stephen Forrest, ELE Peter Djurovich Marc Baldo Paul Burrows	13/009,001 01/19/2011
06-2293-1	Subphthalocyanine Based Devices for High Open Circuit Voltage Organic Photovoltaic Cells	Barry Rand Stephen Forrest, ELE Kristen Martinez, CHM Elizabeth Mayo, CHM Mark Thompson	13/150,594 06/01/2011
07-2378-1	Visually Homogeneous Barrier for Flexible Optical and Electronic Circuits	Sigurd Wagner, ELE Prashant Mandlik, ELE Jeffrey Silvernail	12/990,860 11/03/2010
		Sigurd Wagner, ELE Prashant Mandlik, ELE Jeffrey Silvernail	13/149,019 05/31/2011
08-2425-1	Choice of Cell Type for Propagation of HCMV Controls its Mode of Entry and Interaction with Epithelial Cells	Thomas Shenk, MOL Dai Wang	12/681,504 07/22/2010
08-2447-1	Coating Containing Functionalized Graphene Sheets and Articles Coated Therewith	Ilhan Aksay, Chemical & Biological Engineering John Lettow John Crain Robert Prud'homme, Chemical and Biological Engineering Sibel Korkut, CHE	12/866,089 11/19/2010
08-2448-1	Printed Electronics	Ilhan Aksay, Chemical & Biological Engineering John Lettow John Crain Sibel Korkut, CHE Katherine Chiang Chuan-Hua Chen Robert Prud'homme, Chemical and Biological Engineering	12/866,079 11/03/2010
08-2449-1	Functionalized Graphene Sheets having High Carbon to Oxygen Ratios	Ilhan Aksay, Chemical & Biological Engineering David Milius, CHE Robert Prud'homme, Chemical and Biological Engineering Sibel Korkut, CHE	12/866,306 02/07/2011
08-2450-1	S-Mart: A Monetary System of Pricing and Trading for Content Sharing	Mung Chiang, ELE H. Vincent Poor, ELE Hazer Inaltekin, formerly of Electrical Engineering	13/120,047 03/21/2011

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DOCKET #	TITLE	INVENTOR / DEPT.	SERIAL # FILED DATE
08-2467-1	Deducing receptor signaling parameters from in vivo analysis: LuxN/AI-1 quorum sensing in <i>Vibrio harveyi</i>	Bonnie Bassler, MOL Lee Swem	12/995,476 01/13/2011
08-2476-1	Thin-film field-effect transistors with a new gate dielectric and gate dielectric/semiconductor interface	Sigurd Wagner, ELE Prashant Mandlik, ELE Lin Han, ELE	12/943,398 11/10/2010
		Sigurd Wagner, ELE Prashant Mandlik, ELE Lin Han, ELE	13/056,704 01/31/2011
09-2244-5	Unlayered Polar Graphene Sheets	Robert Prud'homme, Chemical and Biological Engineering Ilhan Aksay, Chemical & Biological Engineering	13/077,070 03/31/2011
09-2488-1	Compstatin Variants	Christodoulas Floudas, CHE Meghan Bellows-Peterson, CHE Dimitrios Morikis	61/518,361 05/04/2011
09-2515-1	Methods for identifying genes which predict disease outcome for patients with colon cancer	Daniel Notterman, MOL Francis Barany Gunter Schemmann Monib Zirvi Sarah Giardina Manny Bacolod Yu-Wei Cheng Owen Parker Philip Paty	13/123,689 04/11/2011
09-2524-1	Microfabricated Micropipette for High Throughput Parallel Patchclamp and Internal Perfusion	Frederick Soo, MOL Dario Amodei, PHY Eve Schneider	12/804,442 07/21/2010
09-2560-1	Optical Orthogonal Frequency-Division Multiplexing based on Spectral Filtering of a Coherent Frequency Comb	Paul Prucnal, ELE Konstantin Kravtsov, ELE	61/442,410 02/14/2011
09-2563-1	A scheme for Lossy Joint Source-Channel Coding at the Application Layer	H. Vincent Poor, ELE Maria Fresia, ELE Giuseppe Caire Ozgun Bursalioglu Yilmaz	13/164,364 06/20/2011
09-2565/2664-	Reduction of Minority Carrier Recombination at Silicon Surfaces and Contacts Using Organic Heterojunctions	Sushobhan Avasthi, ELE Jeffrey Schwartz, CHM James Sturm, ELE	13/113,606 05/23/2011
09-2569-1	Lamination as a modular approach for building organic and polymer solar cells	Yueh-Lin Loo, CHE Jongbok Kim, CHE	13/083,220 04/08/2011

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DOCKET #	TITLE	INVENTOR / DEPT.	SERIAL # FILED DATE
10-2570-1	Design, synthesis, and evaluation of new antitubercular, pleuromutilin-like compounds	Erik Sorensen, CHM Stephen Lotesta, Chemistry - formerly Junjia Liu, CHM Emma Yates, UG 2011 Maurice Marsini, CHM	13/166,468 06/22/2011
		Erik Sorensen, CHM Stephen Lotesta, Chemistry - formerly Junjia Liu, CHM Emma Yates, UG 2011 Maurice Marsini, CHM	61/407,338 10/27/2010
		Erik Sorensen, CHM Stephen Lotesta, Chemistry - formerly Junjia Liu, CHM Emma Yates, UG 2011 Maurice Marsini, CHM	61/451,851 03/11/2011
		Erik Sorensen, CHM Stephen Lotesta, Chemistry - formerly Junjia Liu, CHM Emma Yates, UG 2011 Maurice Marsini, CHM	61/470,189 03/31/2011
10-2572-1	Laser initiated, microwave driven combustion ignition	Richard Miles, MAE Arthur Dogariu, MAE James Michael, MAE Mikhail Shneider Emanuel Stockman, MAE	61/386,195 09/24/2010
10-2578-1	Whole proteome quantification by multiplexed selected ion monitoring	Joshua Bloom, MOL	61/482,801 05/05/2011
10-2582-1	Stable and reversible switching in the visible extending into the near-infrared in water-dispersible polyaniline	Yueh-Lin Loo, CHE Jacob Tarver, CHE Joung Eun Yoo, CHE	12/984,166 01/04/2011
10-2589-1	Protected nanoparticle formulations of diazeniumdiolate class of nitric oxide prodrugs	Robert Prud'homme, Chemical and Biological Engineering Varun Kumar, CHE Larry Keefer, Chemistry Section Sam Hong, Chemistry Section Harinath Chakrapani, Department of Chemistry Anna Maciag Joseph Saavedra Douglas Adamson, CHM	61/420,467 12/07/2010

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DOCKET #	TITLE	INVENTOR / DEPT.	SERIAL # FILED DATE
10-2594-1	Multifunctional Graphene-Silicone Elastomer Nanocomposite	Shuyang Pan Ilhan Aksay, Chemical & Biological Engineering Robert Prud'homme, Chemical and Biological Engineering	12/945,043 11/12/2010
10-2597-1	New use of apatite coatings	George Scherer, CEE Robert Cava, CHM Sonia Naidu, CHE	61/393,628 10/15/2010
10-2599-1	Chemosensory arrays implemented via Bayesian analysis of a physical model	James Broach, MOL Addison Ault, MOL Alex Morozov, Dept of Physics & Astronomy Julia Tsitron, Physics & Astronomy	12/960,157 12/03/2010
10-2608-1	Lung Targeting Dual Drug Delivery System	Robert Prud'homme, Chemical and Biological Engineering Patrick Sinko Howard Stone, Mechanical and Aerospace Engineering Nathalie Pinkerton, CHE Lei Shi, CHE Jiandi Wan, MAE Sherif Ibrahim Dayuan Gao	13/080,371 04/05/2011
10-2609-1	Hydrophobic Burial-based Method for Computation of Conformational Energy Spectrum of a Protein from its Amino Acid Sequence	Jeremy England, Lewis-Sigler Inst. for Integrative Genom	61/473,884 04/11/2011
10-2615-1	Remote Doping of Organic Thin Film Transistors	Wei Zhao Yabing Qi, ELE Antoine Kahn, ELE Seth Marder, Chemistry & Materials Science Engineerin Stephen Barlow	13/094,608 04/26/2011
10-2620-1	Novel Method for Functionalization of Silicon Surface	Steven Bernasek, CHM Yu Lin Zhong, CHM	61/482,413 05/04/2011
10-2622/2694-	Single-mode Quantum Cascade Lasers Employing Folded Fabry-Perot Cavity	Qiang Liu, ELE Claire Gmachl, ELE Kamil Sladek	13/110,413 05/18/2011
10-2624/2706-	Drug Diversification via Highly Selective Metal-Catalyzed Halogenation of Complex Compounds	John Groves, CHM (Chemistry) Wei Liu, Chemistry Dept.	61/375,948 08/23/2010
10-2626/2696-	Broadband Detection of Bacteria Using Antimicrobial Peptides Immobilized on an Electrical Sensing Device.	Michael McAlpine, Mechanical and Aerospace Engineering Manu Sebastian-Mannoor,, MAE	13/171,120 06/28/2011
11-2630/2714-	An efficient, catalytic method to produce chlorine dioxide	John Groves, CHM (Chemistry)	61/376,052 08/23/2010

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DOCKET #	TITLE	INVENTOR / DEPT.	SERIAL # FILED DATE
11-2631-1	Air Laser	Richard Miles, MAE Arthur Dogariu, MAE James Michael, MAE	61/365,576 07/19/2010
11-2632-1	DONAR: Decentralized Server Selection for Cloud Services	Michael Freedman, COS Joe Wenjie Jiang, COS Jennifer Rexford, COS Patrick Wendell, Undergraduate Class of 2011	61/369,321 07/30/2010
11-2633-1	Inducing Apoptosis in Quiescent Cells	Hilary Coller, MOL Hilary Coller, MOL	61/382,348 09/13/2010 61/432,419 01/13/2011
11-2635-1	Multiplexed Shotgun Genotyping: A method for making genome-wide estimates of ancestry	David Stern, Ecology & EB Peter Andolfatto, EEB	61/455,485 10/21/2010
11-2637-1	Heterocycle Catalyzed Electrochemical Process	Andrew Bocarsly, CHM Emily Barton Cole, Chemistry Dept. Emily Barton Cole Kyle Teamey Nety Krishna	12/846,011 07/29/2010
11-2645-1	PatchMatch 2.0 extensions (P962) Determining correspondence between image regions	Adam Finkelstein, COS Connelly Barnes, COS Dan Goldman Eli Shechtman	12/857,294 08/16/2010
11-2646-1	Electronic interconnects and devices with topological surface states and methods for fabricating same	Ali Yazdani, PHY Robert Cava, CHM Nai-Phuan Ong, PHY Ali Yazdani, PHY Robert Cava, CHM Nai-Phuan Ong, PHY	13/039,762 03/03/2011 61/368,552 07/28/2010
11-2648-1	Optimal crosstalk cancellation for binaural audio with two loudspeakers	Edgar Choueiri, Mechanical and Aerospace Engineering	61/379,891 09/03/2010
11-2649-1	Lab safety and information technology	Howard Stone, Mechanical and Aerospace Engineering James Boehlert, Environmental Health and Safety Samuel Kim Alison Forsyth, MAE Scott Shao Hsiang Tsai, MAE Jiandi Wan, MAE	61/453,715 03/17/2011

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DOCKET #	TITLE	INVENTOR / DEPT.	SERIAL # FILED DATE
11-2651-1	Graphene Tapes	Sibel Korkut, CHE David Milius, CHE Joseph Roy-Mayhew, CHE Daniel Dabbs, CHE Ilhan Aksay, Chemical & Biological Engineering	12/949,448 11/18/2010
		Sibel Korkut, CHE David Milius, CHE Joseph Roy-Mayhew, CHE Daniel Dabbs, CHE Ilhan Aksay, Chemical & Biological Engineering	61/391,670 10/10/2010
11-2652-1	Graphene electrodes for solar cells	Joseph Roy-Mayhew, CHE Ilhan Aksay, Chemical & Biological Engineering	61/391,668 10/10/2010
11-2655-1	Buckled and Wavy Piezoelectric Ribbons for Stretchable Energy Harvesting Devices	Yi Qi, FORMERLY OF MAE Michael McAlpine, Mechanical and Aerospace Engineering	61/422,808 12/14/2010
11-2656-1	Ultra-lean combustion by pulsed microwave	Richard Miles, MAE James Michael, MAE	61/409,619 11/03/2010
11-2657-1	Integrated 3D chalcogenide waveguides on curved surfaces	Craig Arnold, Mechanical and Aerospace Engineering Yunlai Zha, ELE Candice Tsay, ELE	61/409,705 11/03/2010
11-2658-1	Method for cleaning and reusing patch clamp micropipettes	Frederick Soo, MOL	61/437,356 01/28/2011
11-2659-1	Reverse ChIP: Sequence-specific extraction of DNA-bound histones for analysis of post-translational modification by mass spectrometry	Johannes Dapprich Benjamin Garcia, MOL Gary LeRoy, Molecular Biology NO LONGER AT PU	61/412,125 11/10/2010
11-2661-1	External cavity laser bar tester	Gerard Wysocki, ELE Yin Wang, ELE Feng Xie Chung-En Zah	61/419,042 12/02/2010
11-2663-1	Microcin J25 variants	A. James Link, CHE Si Jia Pan, Chemical and Biological Engineering	61/424,939 12/20/2010
11-2664-1	Photovoltaic device and method of making same	Sushobhan Avasthi, ELE James Sturm, ELE	61/416,986 11/24/2010
11-2665-1	Active Wavelength Control for External Cavity Laser Systems	Gerard Wysocki, ELE Tracy Tsai, ELE	61/421,894 12/10/2010

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PATENT APPLICATIONS FILED DURING FY11

DOCKET #	TITLE	INVENTOR / DEPT.	SERIAL # FILED DATE
11-2666-1	Co-Flow Microfluidic Device for Polymersome Formation	Robert Prud'homme, Chemical and Biological Engineering Michael Stredney, IMS/Polymer Program Douglas Adamson, CHM Mustafa Erhan Yildiz	61/373,341 08/13/2010
11-2667-1	Gas Phase Electrochemical Reduction of CO ₂	Andrew Bocarsly, CHM Elizabeth Zeitler, CHM Andrew Mills	61/428,524 12/30/2010
11-2668-1	Advanced Aromatic Amine Heterocyclic Catalysts for Carbon Dioxide Reduction	Andrew Bocarsly, CHM Amanda Morris, CHM Prasad Lakkaraju, CHM Raymond Dominey, CHM	61/428,528 12/30/2010
11-2669-1	Jagged 1 as a marker and therapeutic target for breast cancer bone metastasis	Yibin Kang, MOL Nilay Sethi, MOL	61/438,826 02/02/2011
11-2670-1	Microbubble-Templated Synthesis of Hollow Inorganic Particles	Jiandi Wan, MAE Howard Stone, Mechanical and Aerospace Engineering	61/439,135 02/03/2011
11-2671-1	Integrated flow directing GDL pore network for PEM fuel cells	Jay Benziger, CHE Ioannis Kevrekidis, CHE	61/447,154 02/28/2011
11-2672-1	Modified Version of the Inducible Protein Depletion Method	Sanford Silverman, Lewis-Sigler Institute for Integrative G Robert McIsaac, Lewis-Sigler Institute for Integrative G David Botstein, EEB	61/500,367 06/23/2011
11-2673-1	Modulators of sirtuins as inhibitors of human cytomegalovirus	Emre Koyuncu, MOL Thomas Shenk, MOL Ileana Cristea, MOL	61/438,846 02/02/2011
11-2674-1	Metallocene Dimer Doping	Seth Marder, Chemistry & Materials Science Engineerin Stephen Barlow Tissa Sajoto Antoine Kahn, ELE Yabing Qi, ELE Kim Sang-Bok Swagat Mohapatra	61/496,667 06/14/2011
11-2676-1	Hybrid sensing and computation networks based on large-area electronics and small-scale IC's	Naveen Verma, ELE James Sturm, ELE Sigurd Wagner, ELE	61/440,274 02/07/2011
11-2677-1	Scalable hybrid systems based on large-area and nano-scale electronics	Naveen Verma, ELE James Sturm, ELE Sigurd Wagner, ELE	61/440,278 02/07/2011

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DOCKET #	TITLE	INVENTOR / DEPT.	SERIAL # FILED DATE
11-2679-1	Benzimidazole Inhibition of Biofilm Formation	Christopher Waters, MMG Karthik Sambanthamoorthy, MMG Matthew Neiditch, Microbiology & Molecular Genetics Martin Semmelhack, CHM	61/444,531 02/28/2011
11-2683-1	Systems and methods for cylindrical hall thrusters with independently controllable ionization and acceleration stages	Kevin Diamant Yevgeny Raitses, PPL Nathaniel Fisch, AST and PPPL	13/035,475 02/25/2011
11-2684-1	Femtosecond Laser Excitation Anemometry by Tagging	Richard Miles, MAE Arthur Dogariu, MAE James Michael, MAE Matthew Edwards	61/482,015 05/03/2011
11-2685-1	A new concept for a rapid synthesis of the pleuromutilin scaffold and candidates for antibiotic drug discovery efforts	Erik Sorensen, CHM Junjia Liu, CHM Maurice Marsini, CHM	61/437,412 01/28/2011
		Erik Sorensen, CHM Junjia Liu, CHM Maurice Marsini, CHM	61/445,176 02/22/2011
11-2687-1	System and Methods for Time Dependent Internet Pricing	Mung Chiang, ELE Carlee Joe-Wong Sangtae Ha, ELE Soumya Sen, ELE	61/447,896 03/01/2011
11-2689-1	SSDAlloc: Hybrid SSD/RAM memory Management made Easy	Anirudh Badam, COS Vivek Pai, COS	61/452,955 03/15/2011
11-2691-1	miR-200 family miRNAs and its downstream genes as regulators of cancer progression and metastasis	Yibin Kang, MOL Manav Korpai, MOL	61/467,698 03/25/2011
11-2692-1	Bubble Form Marking De-Anonymization/Identification	Edward Felten, Computer Science & Public Affairs Joseph Calandrino, COS William Clarkson, COS	61/470,896 04/01/2011
11-2693-1	Inhibitors of mTOR Kinase as Anti-Viral Agents	Thomas Shenk, MOL Ji-In (Jean) Kim	61/436,970 01/27/2011
11-2695-1	Distributed production of radionuclide Mo.99	Charles Gentile, PPL Adam Cohen, PPL George Ascione, Health Physics	61/479,278 04/26/2011
11-2697-1	Methods to enhance the yield of infectious human cytomegalovirus and varicella zoster virus in cultured cells	Emre Koyuncu, MOL Joshua Rabinowitz, Lewis Sigler Institute ... Thomas Shenk, MOL	61/476,497 04/18/2011
11-2700-1	Wavelength modulation-based detection of chirped laser molecular dispersion spectra	Gerard Wysocki, ELE Michal Nikodem, ELE	61/478,413 04/22/2011

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PATENT APPLICATIONS FILED DURING FY11

DOCKET #	TITLE	INVENTOR / DEPT.	SERIAL # FILED DATE
11-2701-1	The Incorporation of Wrinkles and Folds to Enhance Efficiency and Bendability of Plastic Solar Cells and the Method to Create Such Structures	Yueh-Lin Loo, CHE Jongbok Kim, CHE Pilnam Kim, Mechanic and Aerospace Engineering Howard Stone, Mechanical and Aerospace Engineering Nicolas Pegard, ELE Jason Fleischer, ELE	61/479,794 04/27/2011
11-2702-1	In-line and compact QWIP for reference signal detection	Ekua Bentil, ELE Germano Penello Claire Gmachl, ELE	61/481,011 04/29/2011
11-2703-1	A Computational Framework for Quantitating Histone Post-Translational Modifications using LC-MS/MS Data	Peter DiMaggio, Jr., MOL Benjamin Garcia, MOL	61/498,406 06/17/2011
11-2704-1	Semi-permanent Dialysis Samplers for Long Term Sediment Environmental Monitoring	Peter Jaffe, CEE Luke MacDonald, CEE Jeffery Paull, CEE Joseph Vocaturo, CEE	61/483,347 05/06/2011
11-2705-1	Silicon/Organic Heterojunction (SOH) Solar Cell and Roll-to-roll Fabrication Process For Making Same	Yifei Huang, ELE Sushobhan Avasthi, ELE James Sturm, ELE	61/484,128 05/09/2011
11-2706-1	C-Halogen Bond Formation	John Groves, CHM (Chemistry) Wei Liu, Chemistry Dept.	61/485,050 05/11/2011
11-2707-1	Mixture of Orthogonal SVM (MOSVM)	Sun-Yuan Kung, ELE Pingmei Xu, ELE Xu Chen, ELE	61/496,066 06/13/2011
11-2708-1	System and Method for Broadband RF Interference Cancellation	Paul Prucnal, ELE	61/488,521 05/20/2011
11-2709-1	Microparticle conformal coating technology on a chip	Scott Shao Hsiang Tsai, MAE Jason Wexler, MAE Jiandi Wan, MAE Howard Stone, Mechanical and Aerospace Engineering	61/491,067 05/27/2011
11-2710-1	User Interface Design for Time-dependent Pricing	Mung Chiang, ELE Sangtae Ha, ELE Soumya Sen, ELE Carlee Joe-Wong	61/496,731 06/14/2011
11-2711-1	A Middleware for Supporting Pricing Solutions in Broadband Networks	Mung Chiang, ELE Sangtae Ha, ELE Soumya Sen, ELE Carlee Joe-Wong	61/496,611 06/14/2011

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PATENT APPLICATIONS FILED DURING FY11

DOCKET #	TITLE	INVENTOR / DEPT.	SERIAL # FILED DATE
11-2712-1	Antiviral combination therapy	Emre Koyuncu, MOL Thomas Shenk, MOL Joshua Rabinowitz, Lewis Sigler Institute ...	61/472,608 04/06/2011
98-1492-1/2	OLEDs Doped with Phosphorescent Compounds (Platinum Octaethylporphine Doped OLEDs for Achieving Saturated Re-Emission	Mark Thompson Yujian You Andre Shoustikov Stephen Forrest, ELE Paul Burrows Scott Sibley	13/035,051 02/25/2011
02-1940-1	Osteoblast Adhesion and Spreading on the Chemical Modified Surface of Ti-6Al-4V	Jean Schwarzbauer, MOL Kim Midwood Jeffrey Schwartz, CHM Michael Avaltroni Michael Danahy, CHM Brett Silverman, CHM Ellen Gawalt	12/907.823 10/19/2010

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PATENTS ISSUED DURING FY11				
DOCKET #	TITLE	INVENTORS(S) AND DEPT.	PATENT #	ISSUED DATE
00-1696-1	Organic Triode Grids by Nanoimprint	Marc Baldo Peter Peumans Stephen Forrest, ELE	7,943,419	05/17/2011
00-1852-1	Cyclometallated Metal Complexes as Phosphorescent Dopants in Organic LEDs	Mark Thompson Sergey Lamansky Stephen Forrest, ELE Peter Djurovich Marc Baldo Paul Burrows	7,883,787	02/08/2011
01-1991-1	Process and Apparatus for Organic Vapor Jet Deposition	Stephen Forrest, ELE Max Shtein Jay Benziger, CHE	7,897,210	03/01/2011
02-1883-1	Low Pressure Cold Welding for Nanolithographic Patterning	Stephen Forrest, ELE Peter Peumans Sven Moller Changsoon Kim	7,964,439	06/21/2011
02-1897-1	Novel PCR Enhancing Compositions: Diols	Clarence Schutt, CHM Raj Chakrabarti, CHM	7,772,383	08/10/2010
02-1939-1	Heat Transfer of Phosphonic Acids on Metal Surfaces	Jeffrey Schwartz, CHM Michael Avaltroni Michael Danahy, CHM Brett Silverman, CHM	7,879,456	02/01/2011

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PATENTS ISSUED DURING FY11				
DOCKET #	TITLE	INVENTORS(S) AND DEPT.	PATENT #	ISSUED DATE
02-1940-1	Osteoblast Adhesion and Spreading on the Chemical Modified Surface of Ti-6Al-4V	Jean Schwarzbauer, MOL Kim Midwood Jeffrey Schwartz, CHM Michael Avaltroni Michael Danahy, CHM Brett Silverman, CHM Ellen Gawalt	7,815,963	10/19/2010
		Jean Schwarzbauer, MOL Kim Midwood Jeffrey Schwartz, CHM Michael Avaltroni Michael Danahy, CHM Brett Silverman, CHM Ellen Gawalt	7,931,943	04/26/2011
03-1984-1	Methods For Making The Molds For Patterning Nanostructures	Stephen Chou, ELE Zhaoning Yu Wei Wu, ELE Bo Cui	7,758,794	07/20/2010
03-2002-1	Protein phosphatase 2a carboxyl methylation system as a target for the development of drugs for Diseases associated with elevated Plasma Homocysteine including Alzheimer's Disease, Stroke, Parkinson's, Diabetes, Atherosclerosis, Arthritis, et al.	Jeffry Stock, MOL Scott Vafai	7,794,965	09/14/2010
03-2040-1	An Organic Polariton Laser	Stephen Forrest, ELE Russell Holmes, ELE	7,889,774	02/15/2011
04-2072-1	Solvent-Free Jet Printing	Max Shtein Stephen Forrest, ELE Joseph Michels, PSM	7,824,778	11/02/2010
04-2133-1	Stacked Organic Photovoltaic Cells with Hybrid Planar-Mixed Molecular Heterojunctions	Stephen Forrest, ELE Jiangeng Xue, ELE Soichi Uchida Barry Rand	7,915,701	03/29/2011

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DOCKET #	PATENTS ISSUED DURING FY11 TITLE	INVENTORS(S) AND DEPT.	PATENT #	ISSUED DATE
04-2134-1	Stacked Organic Photovoltaic Cells with Optimized Absorption	Stephen Forrest, ELE Jiangeng Xue, ELE Soichi Uchida Barry Rand	7,816,715	10/19/2010
05-2158-1	Architecture of a Similarity Search Engine	Kai Li, COS Moses Charikar, COS Qin Lv	7,966,327	06/21/2011
05-2182-1	Fluorescent Filtered White Electrophosphorescence	Stephen Forrest, ELE Mark Thompson	7,768,194	08/03/2010
05-2190-1	Intermediated Band III-IV Semiconductor Quantum Dot Solar Cell	Stephen Forrest, ELE	7,750,425	07/06/2010
05-2203-1	Organic Double-Heterostructure Photovoltaic Cells Using Tris (acetylacetonato) Ruthenium	Barry Rand Stephen Forrest, ELE Mark Thompson	7,893,352	02/22/2011
06-2222-1	Organic Photovoltaic Cells Utilizing an Ultrathin Low Mobility Sensitizing Active Layer	Stephen Forrest, ELE Barry Rand	7,947,897	05/24/2011
06-2253-1	Carbene Metal Complexes as OLED Materials	Mark Thompson Peter Djurovich	7,795,430	09/14/2010
		Chun Lin Peter Mackenzie Bin Ma Jason Brooks Jui-Yi Tsai		
		Mark Thompson Peter Djurovich	7,956,192	06/02/2011
		Chun Lin Peter Mackenzie Bin Ma Jason Brooks Jui-Yi Tsai		

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PATENTS ISSUED DURING FY11				
DOCKET #	TITLE	INVENTORS(S) AND DEPT.	PATENT #	ISSUED DATE
06-2259-1	A New Electrolytical Method to Make Miniature Alkali-Metal Vapor Cells for Atomic Clocks	Fei Gong, PHY Yuan-Yu Jau William Happer, PHY Katharine Jensen	7,931,794	04/26/2011
06-2274-1	Enhanced and Expanded MINDS Nuclear Detection Library	Charles Gentile, PPL Jason Perry, PPL Steve Langish, PPL Ken Silber, PPL Bill Davis, PPL Dana Mastrovito	7,877,340	01/25/2011
06-2276-1	Compositions and Methods for Enhancing Cognitive Function	Jeffry Stock, MOL Maxwell Stock Haoming Gu	7,923,041	04/12/2011
06-2278-1	Organic Solar Cells Grown on SnO ₂ Glass with Nano-Scale Morphology Control	Stephen Forrest, ELE Fan Yang	7,955,889	06/07/2011
07-2322-1	Power Regulation in PEM Fuel Cells by Fuel Feed Control	Jay Benziger, CHE Claire Woo, CHE	7,951,501	05/31/2011
07-2332-1	High Efficiency Solar Cells Using Multiple Nano-Size Organic Dye Crystals	Fan Yang Stephen Forrest, ELE	7,897,429	03/01/2011
07-2337-1	Organic Vapor Jet Deposition Using Nozzle Arrays	Stephen Forrest, ELE Richard Lunt	7,879,401	02/01/2011
07-2377-1	Blind Estimation of Multiple Carrier Frequency Offsets	H. Vincent Poor, ELE Yuanning Yu Athina Petropulu Visa Koivunen Ozgur Yilmaz	7,929,937	04/19/2011
07-2378-1	Visually Homogeneous Barrier for Flexible Optical and Electronic Circuits	Sigurd Wagner, ELE Prashant Mandlik, ELE Jeffrey Silvernail	7,968,146	06/28/2011

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PATENTS ISSUED DURING FY11				
DOCKET #	TITLE	INVENTORS(S) AND DEPT.	PATENT #	ISSUED DATE
07-2392-1	Type II Quantum Dot Solar Cells	Stephen Forrest, ELE Guodan Wei, MSE Kuen-Ting Shiu, ELE	7,915,521	03/29/2011
08-2411-1	Pillared Graphitic Materials by Covalent Stitching of Graphite Oxide with Alpha, Omega Diaminoalkanes	Margarita Herrera-Alonso, CHE Michael McAllister Ilhan Aksay, Chemical & Biological Engineering Robert Prud'homme, Chemical and Biological Engineering	7,771,824	08/10/2010
08-2485-1	Barium-doped bond coats for thermal barrier coatings	Emily Carter, MAE Ivan Milas, MAE	7,927,714	04/19/2011
09-2244-3	Unlayered Polar Graphene Sheets	Robert Prud'homme, Chemical and Biological Engineering Ilhan Aksay, Chemical & Biological Engineering	7,935,754	05/03/2011
09-2514-1	Method for Eliminating Light Shift in Optical Pumping and Atomic Clocks	William Happer, PHY Bart McGuyer, PHY Yuan-Yu Jau	7,825,736	11/02/2010
98-1492-1/2	OLEDs Doped with Phosphorescent Compounds (Platinum Octaethylporphine Doped OLEDs for Achieving Saturated Re-Emission	Mark Thompson Yujian You Andre Shoustikov Stephen Forrest, ELE Paul Burrows Scott Sibley	7,901,795	03/08/2011

B.III SELECTED PRINCETON INVENTIONS UNDER COMMERCIAL DEVELOPMENT

1. **ELI LILLY** – Eli Lilly has received approval for a multi-targeted antifolate compound used to treat patients with cancer. The compound was discovered by Professor Taylor, of the Department of Chemistry, and has been trademarked “Alimta™”. Alimta™ has now been approved in over 30 countries worldwide for mesothelioma, a form of lung cancer as well as a first line treatment for non-small cell lung cancer.
2. **UNIVERSAL DISPLAY CORPORATION** – Universal Display Corporation is a world leader in the development of innovative Organic Light Emitting Device (OLED) technology for future generations of flat panel displays, lasers and other light generating devices. Developed by Professor Stephen Forrest and others in the Department of Electrical Engineering, the company is developing an important portfolio of worldwide patents in the area of OLEDs and is, therefore, poised to be a force as the industry develops and a new generation of flat panel display products are sold. In April 2005, Universal Display announced its first licensing agreement with Samsung, the leading manufacturer of OLEDs in the world. Samsung has begun to manufacture products (MP3 players, e.g.) that include the OLED technology and expect sales to rise steadily in the years to come.
3. **VORBECK MATERIALS INC.** (www.vorbeck.com), a start-up company based on technologies developed by Professors Aksay and Prud'homme of the Department of Chemical Engineering, announced the establishment of a joint-research and development program with BASF to develop graphene-based formulations and composite materials. Vorbeck has licensed a high surface area graphene technology from Princeton University which goes under the trade name Vor-x™. As part of the collaboration, Vorbeck and BASF are developing dispersions of highly conductive graphene for producing electrically conductive coating and compounds especially for the electronics industry. It is anticipated that the newly established joint research program will lead to commercial applications in the near future.
4. **GE HEALTHCARE** (formerly Nycomed Amersham) – GE has obtained rights to the hyperpolarized gas technology developed by Professor William Happer and his colleagues in the Department of Physics. GE is in the process of developing a clinical application for the technology, which can be used to image the lung using conventional MRI equipment. The technology is co-owned with the State University of New York at Stony Brook and we will receive royalties based on sales of products.
5. **TETRALOGIC PHARMACEUTICALS**, Malvern PA is a privately held company specializing in the discovery and development of oncology therapeutics. TetraLogic's founding scientists, Drs George McClendon and Yigong Shi, Department of Molecular Biology, developed TetraLogic's core technology, Inhibitor of Apoptosis Proteins, (IAP). IAP enables drugs to be developed that unblock the cell death or apoptosis pathway, resulting in the death of tumor cells. TetraLogic recently announced that it has

completed a \$36 million Series B private equity financing. Proceeds from the financing will be invested to advance its Inhibitor of Apoptosis Proteins (IAP) antagonist oncology program through initial clinical trials. TetraLogic has made substantial progress in its research and development efforts on the IAP antagonist technology.

6. **ELI LILLY (formerly Imclone Systems, Inc)** – is dedicated to developing and commercializing novel therapeutic products in the field of oncology. Lilly has several products in clinical trials that have come out of the laboratory of Ihor Lemischka, Department of Molecular Biology. Two candidates, IMC-1121b and CDP-791, are currently in Phase I and Phase II, respectively. Both of these clinical candidates are angiogenesis inhibitors with primary indications for solid and liquid tumors. If successful they would compete directly with Genentech's Avastin. A third clinical candidate which has also come out of Professor Lemischka's lab is FLT-3MAb, a growth factor blocker, which is in pre-clinical testing. Primary indications for FLT-3MAb are Acute Myelogenous Leukemia (AML) and Acute Lymphocytic Leukemia (ALL).
7. **LIVING MICRO SYSTEMS** - Living MicroSystem's intellectual property portfolio is based on related technologies licensed from Princeton (Professors' Austin and Sturm), MIT, and Massachusetts General Hospital. They are developing clinical tests for the technology, with the goal of using it for genetic testing of pregnant women, non-invasively in the first trimester of pregnancy, to replace serum screening and to significantly reduce the need for amniocentesis. Princeton will receive a royalty on testing products.
8. **BIONANOMATRIX** - Philadelphia, Pennsylvania, is a start-up company developing nanoscale whole genome imaging and analytic platforms. The base technology, developed at Princeton University, will enable single molecule analysis of DNA and other proteins using nanofluidic channels to rapidly and efficiently separate out genomic length DNA from conventional laboratory samples for molecule-by-molecule analysis. It is anticipated that the technology will enable ultra high-resolution analyses of DNA, RNA and other proteins more rapidly, comprehensively and cost effectively than currently available approaches, with applications in diagnostics, personalized medicine and biomedical research.
9. **ORTHOBOND** – Princeton, NJ is a start-up company that is integrating Princeton derived technology into producing safe, effective and long-lasting biointerfaces for medical devices that improve patient health and lifestyle. Specifically, they are incorporating a Princeton adhesion and coating technology into improved implantable orthopedic prosthesis, including hip, knee and spinal replacement joints and implants, as well as for implantable cardiovascular devices.
10. **ARTEMIS PHARMACEUTICALS GmbH**, Cologne, Germany and **Taconic Farms, Inc.** Hudson NY – This past year we jointly re-licensed the Shokat portfolio (ASKA transgenic Mice Models) to Artemis and Taconic, both well known for their expertise in delivering genetically modified mice to researchers. Through their existing

strategic alliance Artemis and Taconic will generate, market and distribute ASKA transgenic mouse models in which a fully functional ASKA replaces the normal kinase gene in the murine genome. The availability of ASKA mice will provide a significant contribution to kinase related drug discovery, as they represent the most relevant in vivo models to date for validating and testing the function of kinases as drug targets for a wide range of human diseases including cancer, cardiovascular and degenerative brain diseases. Protein kinases are a major family of drug targets across a broad range of clinical indications and are considered the largest single class of drug targets. The license from Princeton strengthens the Artemis-Taconic Alliance's leading technology position in mouse genetics and functional genomics, and augments its offerings to customers in the pharmaceutical industry and academia.