MASSACHUSETTS INSTITUTE OF TECHNOLOGY

REPORTS ON THE AUDIT OF FEDERAL FINANCIAL ASSISTANCE PROGRAMS IN ACCORDANCE WITH OMB CIRCULAR A-133

FOR THE YEAR ENDED JUNE 30, 2014

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Reports on the Audit of Federal Financial Assistance Programs in Accordance with OMB Circular A-133
For the Year Ended June 30, 2014

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SECTION I

FINANCIAL REPORTS

Independent Auditor's Report

To the Risk and Audit Committee of the
Massachusetts Institute of Technology

Report on the Consolidated Financial Statements

We have audited the accompanying consolidated financial statements of the Massachusetts Institute of Technology (the "Institute") and its subsidiaries, which comprise the consolidated statement of financial position as of June 30, 2014, and the related consolidated statements of activities and cash flows for the year then ended, and the related notes to the financial statements.

Management's Responsibility for the Consolidated Financial Statements

Management is responsible for the preparation and fair presentation of the consolidated financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of consolidated financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on the consolidated financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the consolidated financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the consolidated financial statements. The procedures selected depend on our judgment, including the assessment of the risks of material misstatement of the consolidated financial statements, whether due to fraud or error. In making those risk assessments, we consider internal control relevant to the entity's preparation and fair presentation of the consolidated financial statements in order to design audit procedures that are appropriate in the circumstances. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the consolidated financial position of the Massachusetts Institute of Technology and its subsidiaries as of June 30, 2014, and the changes in its net assets and its cash flows for the year then ended in accordance with accounting principles generally accepted in the United States of America.

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Other Matters

We have previously audited the Massachusetts Institute of Technology's 2013 financial statements, and we expressed an unmodified audit opinion on those audited financial statements in our report dated September 13, 2013. In our opinion, the summarized comparative information presented herein as of and for the year ended June 30,2013 is consistent, in all material respects, with the audited financial statements from which it has been derived.

Our audit was conducted for the purpose of forming an opinion on the consolidated financial statements as a whole. The accompanying schedule of expenditures of federal awards for the year ended June 30, 2014 is presented for purposes of additional analysis as required by Office of Management and Budget Circular A-133, *Audits of States, Local Governments, and Non-Profit Organizations* and is not a required part of the consolidated financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the consolidated financial statements. The information has been subjected to the auditing procedures applied in the audit of the consolidated financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the consolidated financial statements or to the consolidated financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the schedule of expenditures of federal awards is fairly stated, in all material respects, in relation to the consolidated financial statements as a whole.

Other Reporting Required by *Government Auditing Standards*

In accordance with *Government Auditing Standards*, we have also issued our report dated September 12, 2014 on our consideration of the Massachusetts Institute of Technology's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the Massachusetts Institute of Technology's internal control over financial reporting and compliance.

PricewaterhouseCoopers LLP

September 12, 2014

Massachusetts Institute of Technology

Statements of Financial Position

at June 30, 2014 and 2013

(in thousands of dollars)	2014	2013
Assets		
Cash	$ 297,759	$ 299,913
Accounts receivable, net	195,544	168,932
Pledges receivable, net, at fair value	490,336	404,594
Contracts in progress, principally US Government	65,326	67,999
Deferred charges, inventories, and other assets	120,811	107,891
Student notes receivable, net	48,169	49,484
Investments, at fair value	16,228,756	13,830,100
Noncontrolling interests	287,825	274,663
Land, buildings, and equipment (at cost of $3,881,205 for June 2014; $3,650,856 for June 2013), net of accumulated depreciation	2,624,271	2,516,264
Total assets	**$ 20,358,797**	**$ 17,719,840**
Liabilities and Net Assets		
Liabilities:		
Accounts payable, accruals, and other liabilities	411,959	384,437
Liabilities due under life income fund agreements, at fair value	103,076	95,259
Deferred revenue and other credits	133,288	138,017
Advance payments	392,214	396,831
Borrowings	2,918,901	2,428,215
Government advances for student loans	35,037	34,563
Accrued benefit liabilities	48,830	109,644
Total liabilities	**4,043,305**	**3,586,966**
Net Assets:		
Unrestricted net assets controlled by the Institute	6,467,131	5,500,955
Unrestricted net assets attributable to noncontrolling interests	287,825	274,663
Total unrestricted net assets	6,754,956	5,775,618
Temporarily restricted net assets	6,718,225	5,644,291
Permanently restricted net assets	2,842,311	2,712,965
Total net assets	**16,315,492**	**14,132,874**
Total liabilities and net assets	**$ 20,358,797**	**$ 17,719,840**

The accompanying notes are an integral part of the financial statements.

Massachusetts Institute of Technology

Statement of Activities

for the year ended June 30, 2014
(with summarized financial information for the year ended June 30, 2013)

(in thousands of dollars)	2014 Unrestricted	2014 Temporarily Restricted	2014 Permanently Restricted	Total 2014	Total 2013
Operating Activities					
Operating Revenues					
Tuition and similar revenues, net of discount of $271,299 in 2014 and $258,726 in 2013	$ 324,502	$ -	$ -	$ 324,502	$ 310,231
Research revenues:					
Campus	668,619	-	-	668,619	661,962
Lincoln	828,659	-	-	828,659	890,973
SMART	31,617	-	-	31,617	47,525
Total research revenues	1,528,895	-	-	1,528,895	1,600,460
Gift and bequests for current use	162,091	-	-	162,091	177,257
Fees and services	176,341	-	-	176,341	182,019
Other programs	117,481	-	-	117,481	125,118
Support from investments:					
Endowment	515,431	-	-	515,431	499,299
Other investments	109,925	-	-	109,925	98,218
Total support from investments	625,356	-	-	625,356	597,517
Auxiliary enterprises	120,101	-	-	120,101	114,461
Net asset reclassifications and transfers	69,556	-	-	69,556	79,532
Total operating revenues	$ 3,124,323	$ -	$ -	$ 3,124,323	$ 3,186,595
Operating Expenses					
Salaries and wages	$ 1,183,270	$ -	$ -	$ 1,183,270	$ 1,128,304
Employee benefits	287,976	-	-	287,976	268,831
Supplies and services	892,493	-	-	892,493	960,914
Subrecipient agreements	124,074	-	-	124,074	155,421
Utilities, rent, and repairs	182,271	-	-	182,271	159,098
Depreciation	137,638	-	-	137,638	129,138
Interest expense	110,795	-	-	110,795	106,871
Total operating expenses	2,918,517	-	-	2,918,517	2,908,577
Results of operations	$ 205,806	$ -	$ -	$ 205,806	$ 278,018
Non-Operating Activities					
Pledge revenue	$ -	$ 153,154	$ 26,965	$ 180,119	$ 104,207
Gifts and bequests	-	-	110,445	110,445	43,554
Investment income	-	1,726	7,372	9,098	7,236
Net gain on investments and other assets	917,813	1,294,684	(59,564)	2,152,933	1,164,164
Distribution of accumulated investment gains	(186,284)	(311,604)	-	(497,888)	(486,050)
Net change in life income funds	(7,483)	(2,894)	34,478	24,101	20,264
Postretirement plan changes other than net periodic benefit cost	54,398	-	-	54,398	311,442
Net asset reclassifications and transfers	(18,074)	(61,132)	9,650	(69,556)	(79,532)
Total non-operating activities	760,370	1,073,934	129,346	1,963,650	1,085,285
Increase in net assets controlled by the Institute	966,176	1,073,934	129,346	2,169,456	1,363,303
Change in net assets attributable to noncontrolling interests	13,162	-	-	13,162	(29,773)
Net assets at the beginning of the year	5,775,618	5,644,291	2,712,965	14,132,874	12,799,344
Net assets at the end of the year	**$ 6,754,956**	**$ 6,718,225**	**$ 2,842,311**	**$ 16,315,492**	**$ 14,132,874**

The accompanying notes are an integral part of the financial statements.

Massachusetts Institute of Technology

Statements of Cash Flows

for the years ended June 30, 2014 and 2013

(in thousands of dollars)	2014	2013
Cash Flow from Operating Activities		
Increase in net assets	$ 2,182,618	$ 1,333,530
Adjustments to reconcile change in net assets to net cash used in or provided by operating activities:		
Net gain on investments and other assets	(2,152,933)	(1,164,164)
Change in accrued benefit liabilities	(60,814)	(333,754)
Depreciation	137,638	129,138
Donated securities received	(42,890)	(129,915)
Proceeds from sale of donated securities	18,894	94,917
Net gain on life income funds	(32,275)	(12,621)
Change in noncontrolling interests	(13,162)	29,773
Amortization of bond premiums and discounts and other adjustments	(4,383)	(6,767)
Change in operating assets and liabilities:		
Pledges receivable	(85,742)	75,065
Accounts receivable	(26,612)	(8,975)
Contracts in progress	2,673	(1,275)
Deferred charges, inventories, and other assets	(12,920)	(14,392)
Accounts payable, accruals, and other liabilities, excluding building and equipment accruals	25,365	7,086
Liabilities due under life income fund agreements	7,817	7,360
Deferred revenue and other credits	(4,729)	(17,458)
Advance payments	(4,617)	16,664
Reclassify investment income	(9,098)	(7,236)
Reclassify contributions restricted for long-term investment	(86,449)	(8,557)
Net cash used in operating activities	(161,619)	(11,581)
Cash Flow from Investing Activities		
Purchase of land, buildings, and equipment	(243,118)	(148,834)
Purchases of investments	(34,457,642)	(64,279,236)
Proceeds from sale of investments	34,244,206	64,475,286
Student notes issued	(26,599)	(28,105)
Collections from student notes	27,801	28,255
Net cash (used in) provided by investing activities	(455,352)	47,366
Cash Flow from Financing Activities		
Investment in endowment	86,449	8,557
Proceeds from sale of donated securities restricted for endowment	23,996	34,998
Increase in investment income for restricted purposes	9,098	7,236
Proceeds from borrowings	550,000	-
Repayment of borrowings	(55,200)	(26,500)
Increase in government advances for student loans	474	460
Net cash provided by financing activities	614,817	24,751
Net (decrease) increase in cash	(2,154)	60,536
Cash at the beginning of the year	299,913	239,377
Cash at the end of the year	**$ 297,759**	**$ 299,913**

The accompanying notes are an integral part of the financial statements.

Notes to Financial Statements

A. Accounting Policies

Basis of Presentation

The accompanying financial statements have been prepared in accordance with generally accepted accounting principles (GAAP) in the United States of America. The financial statements include MIT and its wholly owned subsidiaries.

Net assets, revenues, expenses, gains and losses are classified into three categories based on the existence or absence of donor-imposed restrictions. The categories are permanently restricted, temporarily restricted, and unrestricted net assets. Unconditional promises to give (pledges) are recorded as receivables and revenues within the appropriate net asset category.

Permanently restricted net assets include gifts, pledges, trusts and remainder interests, and income and gains that are required by donors to be permanently retained. Pledges, trusts, and remainder interests are reported at their estimated fair values.

Temporarily restricted net assets include gifts, pledges, trusts and remainder interests, and income and gains that can be expended but for which restrictions have not yet been met. Such restrictions include purpose restrictions where donors have specified the purpose for which the net assets are to be spent, or time restrictions imposed by donors or implied by the nature of the gift (capital projects, pledges to be paid in the future, life income funds), or by interpretations of law (net gains on permanently restricted gifts that have not been appropriated for spending). Gifts specified for the acquisition or construction of long-lived assets are reported as temporarily restricted net assets until the monies are expended and the buildings are put into use, at which point they are reclassified to unrestricted net assets. Net unrealized losses on permanently restricted endowment funds for which the book value exceeds market value are recorded as a reduction to unrestricted net assets.

Unrestricted net assets are all the remaining net assets of MIT. Donor-restricted gifts and unexpended restricted endowment income that are received and either spent, or the restriction is otherwise met within the same year, are reported as unrestricted revenue. Gifts of long-lived assets are reported as unrestricted revenue.

Net asset reclassifications and transfers consist primarily of payments on unrestricted pledges and use of building funds in accordance with donor restrictions for buildings put into use during the year. Expirations of temporary restrictions on net assets, releases of permanent restrictions by a donor, and changes of restrictions imposed by donors are also reported as reclassifications of net assets among unrestricted, temporarily and permanently restricted net assets.

MIT administers its various funds, including endowments, funds functioning as endowments, school or departmental funds, and related accumulated gains, in accordance with the principles of "Fund Accounting." Gifts are recorded in fund accounts and investment income is distributed to funds annually. Income distributed to funds may be a combination of capital appreciation and yield pursuant to MIT's total return investment and spending policies. Each year, the Executive Committee of the Corporation approves the rates of distribution of investment return to the funds from MIT's investment pools. See Note K for further information on income distributed to funds.

MIT's operations include tuition, research revenues, unrestricted gifts and bequests for current use, fees and services, other programs, endowment distribution and income from other investments, auxiliary revenues, payments on pledges for unrestricted gifts, and operating expenditures. Results of operations are displayed in the Statement of Activities.

Tax Status

MIT is a nonprofit organization that is tax-exempt under Section 501(c)(3) of the Internal Revenue Code, originally recognized in October 1926, with the most recent affirmation letter dated July 2001.

US GAAP requires MIT to evaluate tax positions taken by the Institute and recognize a tax liability (or asset) if the Institute has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. MIT has analyzed the tax positions taken and has concluded that as of June 30, 2014, there are no significant uncertain positions taken or expected to be taken that would require recognition of a liability (or asset) or disclosure in the financial statements.

Cash

Certain cash balances, totaling $55.8 million and $88.7 million at June 30, 2014 and 2013, respectively, are restricted for use under certain sponsored research agreements or are held on behalf of a related party.

The Institute had approximately $296.0 million and $298.5 million at June 30, 2014 and 2013, respectively, of its cash accounts with a single institution. The Institute has not experienced any losses associated with deposits at this institution.

Advance Payments

Amounts received by MIT from the US Government, corporations, industrial sources, foundations, and other non-MIT sponsors under the terms of agreements that generally require the exchange of assets, rights, or privileges between MIT and the sponsor are recorded as advance payments. Revenue is recognized as MIT fulfills the terms of the agreements.

Land, Buildings, and Equipment

Land, buildings, and equipment are shown at cost when purchased or fair value as of the date of a gift when received as a gift, net of accumulated depreciation. When expended, costs associated with the construction of new facilities are shown as construction in progress until such projects are completed and put into use. Depreciation is computed on a straight-line basis over the estimated useful lives of 25 to 50 years for buildings, 3 to 25 years for equipment, and 4 to 6 years for software.

Fully depreciated assets were removed from the financial statements in the amount of $33.6 million and $42.1 million during 2014 and 2013, respectively. Land, buildings, and equipment at June 30, 2014 and 2013, are shown in Table 1.

Table 1. Land, Buildings, and Equipment

(in thousands of dollars)	2014	2013
Land	$ 67,538	$ 67,538
Land improvements	64,733	65,541
Educational buildings	3,281,247	3,212,543
Equipment	246,026	172,073
Software	40,803	35,549
Total	3,700,347	3,553,244
Less: accumulated depreciation	(1,256,934)	(1,134,592)
Construction in progress	167,726	84,874
Software projects in progress	13,132	12,738
Net land, buildings, and equipment	**$ 2,624,271**	**$ 2,516,264**

Depreciation expense was $137.6 million in 2014 and $129.1 million in 2013. Net interest expense of $4.4 million and $3.3 million was capitalized during 2014 and 2013, respectively, in connection with MIT's construction projects.

Tuition and Student Support

Tuition and similar revenues, shown in Table 2 below, include tuition and fees in degree programs as well as tuition and fees for executive and continuing education programs at MIT.

Table 2. Tuition and Similar Revenues

(in thousands of dollars)	2014	2013
Tuition revenue	$ 553,344	$ 527,974
Executive and continuing education revenues	42,457	40,983
Total	595,801	568,957
Less: tuition discount	(271,299)	(258,726)
Net tuition and similar revenue	**$ 324,502**	**$ 310,231**

Tuition support is awarded to undergraduate students by MIT based on need. Graduate students are provided with tuition support in connection with research assistance, teaching assistance, and fellowship appointments. Tuition support from MIT sources is displayed as tuition discount. Total student support granted to students was $481.8 million and $460.6 million in 2014 and 2013, respectively. Of that amount, $157.6 million in 2014, and $152.4 million in 2013, was aid from sponsors. Components of student support are detailed in Table 3 below.

Table 3. Student Support

	2014			2013		
(in thousands of dollars)	Institute Sources	External Sponsors	Total Student Support	Institute Sources	External Sponsors	Total Student Support
Undergraduate tuition support	$ 88,570	$ 14,506	$ 103,076	$ 87,680	$ 14,151	$ 101,831
Graduate tuition support	182,729	57,293	240,022	171,046	55,112	226,158
Fellow stipends	20,934	17,858	38,792	19,772	16,401	36,173
Student employment	31,935	67,955	99,890	29,721	66,725	96,446
Total	**$ 324,168**	**$ 157,612**	**$ 481,780**	**$ 308,219**	**$ 152,389**	**$ 460,608**

A. Accounting Policies (continued)

Sponsored Research

Direct and indirect categories of research revenues are shown in Table 4 below.

Table 4. Research Revenues

(in thousands of dollars)	2014	2013
Direct:		
Campus	$ 480,483	$ 473,220
Lincoln	791,292	860,190
SMART	31,519	47,332
Total direct	**1,303,294**	**1,380,742**
Indirect:		
Campus	$ 188,136	$ 188,742
Lincoln	37,367	30,783
SMART	98	193
Total indirect	**225,601**	**219,718**
Total research revenues	**$ 1,528,895**	**$ 1,600,460**

Revenue associated with contracts and grants is recognized as related costs are incurred. The capital costs of buildings and equipment are depreciated over their estimated life cycle, and the sponsored research recovery allowance for depreciation is treated as indirect research revenue. MIT has recorded reimbursement of indirect costs relating to sponsored research at negotiated fixed billing rates. The revenue generated by the negotiated rates is adjusted each fiscal year to reflect any variance between the negotiated fixed rates and rates based on actual cost. The actual cost rate is audited by the Defense Contract Audit Agency (DCAA) and a final fixed-rate agreement is signed by the US Government and MIT. The variance between the negotiated fixed rate and the final audited rate results in a carryforward (over- or under-recovery). The carryforward is included in the calculation of negotiated fixed billing rates in future years. Any adjustment in the rate is charged or credited to unrestricted net assets.

Gifts and Pledges

Gifts and pledges are recognized when received. Gifts of securities are recorded at their fair value at the date of contribution. Donated securities received totaled $42.9 million and $129.9 million in 2014 and 2013, respectively, and are shown separately in the Statements of Cash Flows. Gifts of equipment received from manufacturers and other donors are put into use and recorded by MIT at fair value. Gifts of equipment totaled $1.3 million in 2014, and $0.1 million in 2013. Pledges in the amount of $490.3 million and $404.6 million were recorded as receivables at June 30, 2014 and 2013, respectively, with the revenue assigned to the appropriate classification of restriction. Pledges consist of unconditional written promises to contribute to MIT in the future and are recorded after discounting the future cash flows to their present value.

MIT records items of collections as gifts at nominal value. They are received for educational purposes and most are displayed throughout MIT. In general, collections are not disposed of for financial gain or otherwise encumbered in any manner.

Life Income Funds

MIT's life income fund agreements with donors consist primarily of irrevocable charitable gift annuities, pooled income funds, and charitable remainder trusts for which MIT serves as trustee. Assets are invested and payments are made to donors and other beneficiaries in accordance with the respective agreements. MIT records the assets that are associated with each life income fund at fair value and records as liabilities the present value of the estimated future payments at current interest rates to be made to the donors and beneficiaries under these agreements. A rollforward of liabilities due under life income fund agreements is presented in Table 5.

Table 5. Liabilities Due Under Life Income Funds

(in thousands of dollars)	2014	2013
Balance at the beginning of the year	$ 95,259	$ 87,899
Addition for new gifts	5,353	12,073
Termination and payments to beneficiaries	(14,917)	(18,043)
Net investment and actuarial gain	17,381	13,330
Balance at the end of year	**$ 103,076**	**$ 95,259**

Recently Adopted Accounting Standards

On July 1, 2013, MIT adopted new guidance enhancing the disclosures about *Offsetting Assets and Liabilities*. This guidance requires MIT to disclose both gross and net information about instruments and transactions eligible for offset in the statement of assets and liabilities as well as instruments and transactions subject to an agreement similar to a master netting arrangement. It also requires disclosure of collateral received and posted in connection with master netting agreements or similar arrangements. Management has evaluated the impact of the enhanced guidance on the Institute's financial statements and has added the required additional disclosures in Note C.

On July 1, 2012, MIT early adopted new guidance related to the *Statements of Cash Flows*. This guidance requires MIT to classify cash receipts from the sale of donated financial assets consistently with cash donations received in the Statements of Cash Flows if those cash receipts were from the sale of donated financial assets that upon receipt were directed without any imposed limitations for sale and were converted nearly immediately into cash.

On July 1, 2012, MIT adopted further new guidance enhancing the *Fair Value Measurement* standard, to ensure that the valuation techniques for investments that are categorized with Level 3 of the

A. Accounting Policies (continued)

fair value hierarchy are fair, consistent, and verifiable. Refer to Note B for further details.

Noncontrolling Interests

MIT is the general partner for several private equity funds and has displayed the noncontrolling interests on the Statements of Financial Position.

Non-Cash Items

Non-cash transactions excluded from the Statements of Cash Flows include $14.6 million and $12.4 million of accrued liabilities related to plant and equipment purchases for 2014 and 2013, respectively.

Use of Estimates

The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, contingent assets and liabilities at the date of the financial statements, and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

Reclassifications

Certain June 30, 2013, balances and amounts previously reported have been reclassified to conform to the June 30, 2014, presentation.

Subsequent Events

MIT has evaluated subsequent events through September 12, 2014, the date the financial statements were issued. On September 5, 2014, the Institute received Executive Committee approval to redeem (or advance refund) a callable portion of its Massachusetts Development Finance Agency Series N and O bonds in an amount up to $550.0 million.

Summarized Information

The Statement of Activities includes certain prior year summarized comparative information in total but not by net asset class. Such information does not include sufficient detail to constitute a presentation in conformity with generally accepted accounting principles. Accordingly, such information should be read in conjunction with MIT's financial statements for the year ended June 30, 2013, from which summarized information was derived.

B. Investments

Investment transactions are accounted for on the trade date. Dividend income is recorded on the ex-dividend date. Realized gains and losses are recorded by MIT using the average cost basis. For limited partnerships, the realized gain/loss is calculated once the entire cost basis is distributed back to MIT or using information provided by managers with respect to the character of a distribution as being a gain or return of capital.

MIT values its investments in accordance with the principles of accounting standards which establish a hierarchy of valuation inputs based on the extent to which the inputs are observable in the marketplace. Observable inputs reflect market data obtained from sources independent of the reporting entity. Unobservable inputs reflect the entity's own assumptions about how market participants would value an asset or liability based on the best information available. Valuation techniques used to measure fair value must maximize the use of observable inputs and minimize the use of unobservable inputs. MIT follows a fair value hierarchy based on three levels of inputs, of which the first two are considered observable and the last is unobservable.

The following describes the hierarchy of inputs used to measure fair value and the primary valuation methodologies used by MIT for financial instruments measured at fair value on a recurring basis. The three levels of inputs are as follows:

• Level 1 – Quoted prices in active markets for identical assets or liabilities. Market price data is generally obtained from relevant exchanges or dealer markets.

• Level 2 – Inputs other than Level 1 that are observable, either directly or indirectly, such as quoted prices for similar assets or liabilities, quoted prices in markets that are not active, or other inputs that are observable or can be corroborated by observable market data for substantially the same term of the assets or liabilities. Inputs are obtained from various sources including market participants, dealers, and brokers.

• Level 3 – Unobservable inputs that are supported by little or no market activity and that are significant to the fair value of the assets or liabilities.

A financial instrument's categorization within the valuation hierarchy is based upon the lowest level of input that is significant to the fair value measurement. Investments may be classified as Level 2 when market information (including observable net asset values) is available, yet the investment is not traded in an active market. Market information, including observable net asset values, subscription and redemption activity, if applicable, and the length of time until the investment will become redeemable are considered when determining the proper categorization of the investment's fair value measurement within the fair valuation hierarchy.

Fund investments that have observable market inputs (such as net asset values) and from which MIT has the ability to redeem within twelve months of June 30 are classified in the fair value hierarchy as Level 2.

Investment funds that have unobservable inputs or for which MIT does not have the ability to redeem within twelve months are classified in the fair value hierarchy as Level 3.

B. Investments (continued)

Table 6 presents MIT's investments at fair value as of June 30, 2014 and 2013, grouped by the valuation hierarchy as defined earlier in this note.

Transfers between levels are recognized at the beginning of the reporting period. There were no transfers between Level 1 and Level 2 fair value measurements in 2014 and 2013. Transfers between Level 2 and Level 3 result from the expiration or commencement of lock-ups which impact MIT's ability to exit the fund within twelve months. The 2014 transfers for absolute return, shown in Table 7, include $247.4 million out of and $139.3 million into Level 3 investments. All other categories reflect gross activity.

Cash and cash equivalents include cash, money market funds, repurchase agreements, and negotiable certificates of deposit and are valued at cost, which approximates fair value. Instruments listed or traded on a securities exchange are valued at the last quoted price on the primary exchange where the security is traded.

Investments in non-exchange-traded debt are primarily valued using independent pricing sources that use broker quotes or models using market observable inputs. Investments managed by external advisors include investments in absolute return, domestic, foreign and private equity, real estate, and real asset commingled funds.

The majority of these commingled funds are not readily marketable and are reported at fair value utilizing the most current information provided by the external advisors. The fair value of these securities held in external investment funds that do not have a readily determinable fair value is determined by the external managers based on appraisals or other estimates that require varying degrees of judgment. If no public market exists for the investment securities, the fair value is determined by the external managers taking into consideration, among other things, the cost of the securities, prices of recent significant placements of securities of the same issuer, and subsequent developments concerning the companies to which the securities relate. Using these valuations, most of these external managers calculate MIT's capital account or net asset value (NAV) in accordance with, or in a manner consistent with, GAAP. As a practical expedient, MIT is permitted under GAAP to estimate the fair value of its investments with external managers using the external managers' reported NAV without further adjustment unless MIT expects to sell the investment at a value other than NAV or the NAV is not calculated in accordance with GAAP. Direct real estate holdings are valued at fair market value based on external appraisals.

Other direct investments that are not readily marketable are valued by MIT based upon valuation information received from the entity which may include last trade information, third-party appraisals of real estate, or valuations prepared in connection with the administration of an employee stock ownership plan. MIT may also utilize industry standard valuation techniques, including discounted cash flow models. The significant unobservable inputs used in the fair value measurements of MIT's direct investments may include their cost of capital and equity and industry risk premiums. Significant increases or decreases in these inputs in isolation may result in a significantly lower or higher fair value measurement, respectively. Split-interest agreements are generally valued at the present value of the future distributions expected to be received over the term of the agreement. Over-the-counter positions, such as interest rate and total return swaps, credit default swaps, options, exchange agreements, and interest rate cap and floor agreements, are valued using broker quotes or models using market observable inputs. Because the swaps and other over-the-counter derivative instruments have inputs that can usually be corroborated by observable market data, they are generally classified within Level 2.

B. Investments (continued)

Table 6. Investments

(in thousands of dollars)	Quoted Prices in Active Markets [Level 1]	Significant Other Observable Inputs [Level 2]	Significant Unobservable Inputs [Level 3]	Total Fair Value
Fiscal Year 2014				
Cash and cash equivalents	$ 2,691,413	$ -	$ -	$ 2,691,413
US Treasury	779,831	-	-	779,831
US Government agency	15	74,312	-	74,327
Domestic bonds**	15,624	91,704	97,254	204,582
Foreign bonds**	20	22,545	-	22,565
Common equity:				
Long domestic	183,997	1	178,941	362,939
Long foreign	422,562	6,498	-	429,060
Short domestic	-	-	-	-
Short foreign	(5)	-	-	(5)
Equity:**				
Absolute return	-	285,721	1,358,147	1,643,868
Domestic	-	219,146	1,218,902	1,438,048
Foreign	71	350,234	2,182,043	2,532,348
Private	-	-	2,783,586	2,783,586
Real estate*	9,770	-	2,634,129	2,643,899
Real assets**	-	7,106	707,401	714,507
Split-interest agreements	-	-	147,182	147,182
Other	8,713	-	9,721	18,434
Derivatives	82	(26,722)	-	(26,640)
Total investments, gross	$ 4,112,093	$ 1,030,545	$ 11,317,306	$ 16,459,944
Liabilities associated with investments:				
Real estate***	-	-	(231,188)	(231,188)
Total investments, net	**$ 4,112,093**	**$ 1,030,545**	**$ 11,086,118**	**$ 16,228,756**
Fiscal Year 2013				
Cash and cash equivalents	$ 1,526,544	$ –	$ –	$ 1,526,544
US Treasury	629,760	–	–	629,760
US Government agency	18	93,502	–	93,520
Domestic bonds**	17,951	253,163	86,895	358,009
Foreign bonds**	–	19,381	–	19,381
Common equity:				
Long domestic	147,168	–	241,382	388,550
Long foreign	135,099	–	–	135,099
Short domestic	–	–	(3)	(3)
Short foreign	(18)	–	–	(18)
Equity:**				
Absolute return	51,218	351,022	1,222,830	1,625,070
Domestic	–	18,024	1,249,343	1,267,367
Foreign	–	610,855	1,661,841	2,272,696
Private	–	–	2,510,672	2,510,672
Real estate*	17	–	2,311,490	2,311,507
Real assets**	711	5,482	619,632	625,825
Split-interest agreements	–	–	148,297	148,297
Other	–	–	2,444	2,444
Derivatives	385	(3,005)	–	(2,620)
Total investments, gross	$ 2,508,853	$ 1,348,424	$ 10,054,823	$ 13,912,100
Liabilities associated with investments:				
Real estate***	–	–	(82,000)	(82,000)
Total investments, net	**$ 2,508,853**	**$ 1,348,424**	**$ 9,972,823**	**$ 13,830,100**

** Real estate includes direct investments and investments held through commingled vehicles.*

*** Real assets, equity domestic bonds, and foreign bonds categories include commingled vehicles that invest in these type of investments.*

**** Interest rates are 3.93% to 4.54%. Maturities are in calendar years 2023 and 2024. Principal payments range from $3.3 million in fiscal year 2015 to $6.1 million in fiscal year 2023.*

B. Investments (continued)

Table 7 is a rollforward of the investments classified by MIT within Level 3 of the fair value hierarchy defined earlier in this footnote at June 30, 2014 and 2013.

Table 7. Rollforward of Level 3 Investments

(in thousands of dollars)	Fair Value Beginning	Realized Gains (Losses)	Unrealized Gains (Losses)	Purchases	Sales	Transfer of Assets Between Levels	Fair Value Ending
Fiscal Year 2014							
Domestic bonds	$ 86,895	$ -	$ -	$ 20,530	$ (10,171)	$ -	$ 97,254
Common equity:							
Long domestic	241,382	(26)	(62,335)	7,595	(7,675)	-	178,941
Long foreign	-	-	-	-	-	-	-
Short domestic	(3)	(5)	2	6	-	-	-
Equity:							
Absolute return	1,222,830	79,267	132,908	366,024	(334,793)	(108,089)	1,358,147
Domestic	1,249,343	74,211	238,856	33,035	(214,035)	(162,508)	1,218,902
Foreign	1,661,841	26,682	508,858	290,165	(280,440)	(25,063)	2,182,043
Private	2,510,672	349,193	231,764	343,616	(651,659)	-	2,783,586
Real estate	2,311,490	81,965	204,609	617,286	(581,730)	509	2,634,129
Real assets	619,632	8,194	99,191	54,040	(73,656)	-	707,401
Split-interest agreements	148,297	634	9,597	4,716	(16,062)	-	147,182
Other	2,444	5	273	7,587	(79)	(509)	9,721
Total, gross	$ 10,054,823	$ 620,120	$ 1,363,723	$ 1,744,600	$ (2,170,300)	$ (295,660)	$ 11,317,306
Real estate liabilities	(82,000)	-	-	(150,000)	812	-	(231,188)
Total, net	**$ 9,972,823**	**$ 620,120**	**$ 1,363,723**	**$ 1,594,600**	**$ (2,169,488)**	**$ (295,660)**	**$ 11,086,118**
Fiscal Year 2013							
Domestic bonds	$ 78,961	$ –	$ (1)	$ 16,781	$ (8,846)	$ –	$ 86,895
Common equity:							
Long domestic	279,521	1,190	(38,661)	7,258	(7,926)	–	241,382
Long foreign	–	15	–	–	(15)	–	–
Short domestic	(3)	–	–	–	–	–	(3)
Equity:							
Absolute return	1,283,490	131,862	6,142	105,729	(342,676)	38,283	1,222,830
Domestic	1,038,537	54,148	164,804	167,990	(176,136)	–	1,249,343
Foreign	1,070,981	14,313	261,364	592,900	(198,607)	(79,110)	1,661,841
Private	2,610,024	324,169	(74,308)	361,721	(710,934)	–	2,510,672
Real estate	1,964,901	6,456	187,235	355,320	(202,422)	–	2,311,490
Real assets	536,266	1,522	18,455	126,888	(63,499)	–	619,632
Split-interest agreements	121,816	171	27,287	16,444	(17,421)	–	148,297
Other	2,638	5	(193)	–	(6)	–	2,444
Total, gross	$ 8,987,132	$ 533,851	$ 552,124	$ 1,751,031	$ (1,728,488)	$ (40,827)	$ 10,054,823
Real estate liabilities	–	–	–	(82,000)	–	–	(82,000)
Total, net	**$ 8,987,132**	**$ 533,851**	**$ 552,124**	**$ 1,669,031**	**$ (1,728,488)**	**$ (40,827)**	**$ 9,972,823**

During 2014, MIT determined that the cash redemption distributions from private equity partnerships were not properly classified as realized gains (losses) and sales from Level 3 investments in Table 7, Rollforward of Level 3 Investments. As a result, the prior year totals for realized gains (losses) and total sales have been revised to $533.9 million, from $18.7 million previously disclosed, and to $1,728.5 million, from $1,213.3 million previously disclosed, respectively. Accordingly, prior year totals for realized gains (losses) and total sales in the absolute return, domestic equity, foreign equity, private equity, real estate, and real assets categories have been revised to reflect increases of $131.9 million, $54.1 million, $0.3 million, $312.4 million, $8.4 million, and $8.1 million, respectively. Management does not believe that the impact of the prior year revision is material.

All net realized and unrealized gains and losses relating to financial instruments held by MIT shown in Table 6 are reflected in the Statement of Activities. Cumulative unrealized gains related to Level 3 investments totaled $4,168.9 million and $2,958.5 million as of June 30, 2014 and 2013, respectively. The net change in unrealized gains (losses) related to these financial instruments held by MIT at June 30, 2014, and June 30, 2013, are disclosed in Table 7.

MIT enters into short sales whereby it sells securities which may or may not be owned by MIT in anticipation of a decline in the price of such securities or in order to hedge portfolio positions. Cash collateral and certain securities owned by MIT were held at counterparty brokers to collateralize these positions and are included in investments on the Statements of Financial Position.

B. Investments (continued)

Table 8 below sets forth a summary of valuation techniques and quantitative information utilized in determining the fair value of MIT's Level 3 investments as of June 30, 2014 and 2013, where no practical expedient using external managers' reported NAVs exists.

Table 8. Level 3 Valuation Techniques

Asset Type *(in thousands of dollars)*	Fair Value at June 30, 2014	Fair Value at June 30, 2013	Valuation Technique	Unobservable Input	2014 Rates	2013 Rates
Real estate	$ 1,542,069	$ 1,425,621	Discounted cash flow	Discount Rate	5.5-9.0%	5.5-9.0%
Equity securities	162,416	224,375	Discounted cash flow	Discount Rate	15.3%	11.0%
Split-interest agreements	111,358	88,674	Net present value	Discount Rate	1.0-8.0%	1.0-8.0%
Real assets	10,464	9,629	Discount to public price	Discount	20.0%	20.0%
Other illiquid assets	1,761	360	Varies	Varies	Varies	Varies
Total assets	**$ 1,828,068**	**$ 1,748,659**				

Certain investments in real estate, equities, and private investments may be subject to restrictions that (i) limit MIT's ability to withdraw capital after such investment and (ii) may be subject to limitations that limit the amount that may be withdrawn as of a given redemption date. Most absolute return, domestic equity and foreign equity commingled funds limit withdrawal to monthly, quarterly, or other periods, and may require notice periods. In addition, certain of these funds are able to designate a portion of the investments as illiquid in "side-pockets," and these funds may not be available for withdrawal until liquidated by the investing fund. Generally, MIT has no discretion as to withdrawal with respect to its investment in private equity and real estate funds. Distributions are made when sales of assets are made within these funds, and the investment cycle for these funds can be as long as 15 to 20 years. These restrictions may limit MIT's ability to respond quickly to changes in market conditions. MIT does have various sources of liquidity at its disposal, including cash, cash equivalents, marketable debt and equity securities, and lines of credit.

Details on the estimated remaining life, current redemption terms and restrictions by asset class and type of investment are provided in Table 9.

Table 9. Unfunded Commitments

	2014		2013			
Asset Class *(in thousands of dollars)*	Unfunded Commitments	Fair Value	Unfunded Commitments	Fair Value	Redemption Terms	Redemption Restrictions
Equity:						
Domestic	$ 9,983	$ 1,438,048	$ 21,958	$ 1,267,367	Redemption terms range from daily to annually with 120 days notice	Lock-up provisions range from none to 4 years
Foreign	60,880	2,532,278	80,245	2,272,696	Redemption terms range from daily to annually with 180 days notice	Lock-up provisions range from none to 5 years
Absolute return	171,070	1,606,148	30,635	1,625,070	Redemption terms range from monthly with 30 business days notice to closed-end structures not available for redemption	Lock-up provisions range from none to not redeemable
Private	1,337,144	2,781,199	997,663	2,510,672	Closed-end funds not eligible for redemption	Not redeemable
Real estate	428,209	860,862	447,147	829,926	Closed-end funds not eligible for redemption	Not redeemable
Real assets	140,549	615,809	72,133	615,512	Redemption terms range from quarterly with 30 days notice for 1 fund to all other funds being closed-end funds not eligible for redemption	Not redeemable except for 1 fund with no lock-up provisions
Total	**$ 2,147,835**	**$ 9,834,344**	**$ 1,649,781**	**$ 9,121,243**		

B. Investments (continued)

MIT performs ongoing due diligence to determine that investment fair value is reasonable as of June 30, 2014 and 2013. In particular, to ensure that the valuation techniques for investments that are categorized within Level 3 of the fair value hierarchy are fair, consistent, and verifiable, MIT has established a Valuation Committee (the "Committee") that oversees the valuation processes and procedures and ensures that the policies are fair and consistently applied. The Committee is responsible for conducting annual reviews of the valuation policies, evaluating the overall fairness and consistent application of the valuation policies, and performing specific reviews of certain valuations reported. The Committee performs due diligence over the external managers and, based on this review, substantiates NAV as a practical expedient for estimates of fair value of its investments in external managers. The Committee is composed of senior personnel and contains members who are independent of investment functions. The Committee meets annually, or more frequently, as needed. Members of the Valuation Committee report annually to MIT's Risk and Audit Committee. The methods described previously in this footnote may produce a fair value that may not be indicative of net realizable value or reflective of future fair values. While MIT believes its valuation methods are appropriate and consistent with those of other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different estimate of fair value at the reporting date.

C. Derivative Financial Instruments and Collateral

MIT maintains an interest rate swap agreement to manage the interest cost and risk associated with a portion of its variable rate debt, described in Note G. Under the agreement, MIT pays a fixed rate of 4.91 percent and receives a payment indexed to the Securities Industry and Financial Market Association (SIFMA) index on a notional amount of $125.0 million. At June 30, 2014, the swap agreement had a total fair value of ($41.3) million and at June 30, 2013, had a fair value of ($40.7) million. This swap had a total net loss for 2014 of $0.6 million and a total net gain of $17.9 million for 2013. The notional amount of this derivative is not recorded on MIT's Statements of Financial Position.

For its investment management, MIT uses a variety of financial instruments with off-balance sheet risk involving contractual or optional commitments for future settlement. MIT uses these instruments primarily to manage its exposure to extreme market events and fluctuations in asset classes or currencies. Instruments utilized include futures, total return and credit default swaps, and interest rate cap and swaption agreements. The futures are exchange-traded and the swap, swaptions, and cap agreements are executed over the counter.

Total return swaps involve commitments to pay interest in exchange for a market-linked return, both based on notional amounts. To the extent the total return of the security or index underlying the transaction exceeds or falls short of the offsetting interest rate obligation, MIT will receive a payment from or make a payment to the counterparty.

MIT's portfolio of interest rate caps and swaptions is designed for protection from significant increases in interest rates. An interest rate swaption is an option to enter into an interest rate swap agreement on pre-set terms at a future date. The purchaser and seller of the swaption agree on the expiration date, option type, exercise style, the terms of the underlying swap, and the type of settlement. As the expiration date approaches, the swaption holder can either notify the seller of its intention to exercise or let the option expire. An interest rate cap places a ceiling on a floating rate of interest on a specified notional principal amount for a specific term. The buyer of the cap uses the cap contract to limit its maximum interest rate exposure. If the buyer's floating rate rises above the cap strike, the cap contract provides for payments from the seller to the buyer of the cap for the difference between the floating rate and the cap strike. If the floating rate remains below the cap strike, no payments are required. The cap buyer is required to pay an upfront fee or premium for the cap. The cap premium charged by the seller depends upon the market's assessment of the probability that rates will move through the cap strike over the time horizon of the deal. The payoff is expected to occur in extreme market conditions that would negatively impact MIT's other assets.

Table 10 summarizes the notional exposure and net ending fair value relative to the financial instruments with off-balance sheet risk as of June 30, 2014 and 2013, related to MIT's investment management. Derivatives held by limited partnerships and commingled investment vehicles pose no off-balance sheet risk to MIT due to the limited liability structure of these investments. To manage the counterparty credit exposure of MIT's direct off-balance sheet financial instruments, MIT requires collateral to the maximum extent possible under normal trading practices. Collateral is moved on a daily basis as required by fluctuations in the market. The collateral is generally in the form of debt obligations issued by the US Treasury or cash. In the event of counterparty default, MIT has the right to use the collateral to offset the loss associated with the replacement of the agreements. MIT enters into arrangements only with counterparties believed to be creditworthy. On June 30, 2014, cash collateral and certain securities owned by MIT were held at counterparty brokers to collateralize these positions and are included in investments on the Statements of Financial Position.

C. Derivative Financial Instruments and Collateral (continued)

Table 10. Derivative Financial Instruments

(in thousands of dollars)	Notional Exposure Long	Notional Exposure Short	Net Ending Fair Value*	Net Gain (Loss)**
Fiscal Year 2014				
Fixed income instruments:				
Fixed income futures	$ -	$ (19,500)	$ 82	$ 126
Options on interest rate exchange agreements	2,090,500	(55,000)	19,276	(17,341)
Interest rate caps and floors	1,000,000	-	581	(1,928)
Interest rate swaps	-	-	-	(2,059)
Total fixed income instruments	3,090,500	(74,500)	19,939	(21,202)
Currency instruments:				
Currency forwards	-	-	-	-
Total currency instruments	-	-	-	-
Commodity and index instruments:				
Commodity futures	-	-	-	-
Equity index swaps	-	(47,519)	(2,548)	(4,958)
IOS index swaps	-	-	-	-
Total commodity and index futures	-	(47,519)	(2,548)	(4,958)
Credit instruments	10,269	(115,938)	(2,725)	(2,090)
2014 Total	**$ 3,100,769**	**$ (237,957)**	**$ 14,666**	**$ (28,250)**
Fiscal Year 2013				
Fixed income instruments:				
Fixed income futures	$ 3,200	$ (17,900)	$ 385	$ 415
Options on interest rate exchange agreements	2,577,777	(55,000)	36,901	4,609
Interest rate caps and floors	2,250,000	–	2,509	(955)
Interest rate swaps	–	–	–	(274)
Total fixed income instruments	4,830,977	(72,900)	39,795	3,795
Currency instruments:				
Currency forwards	–	–	–	347
Total currency instruments	–	–	–	347
Commodity and index instruments:				
Commodity futures	–	–	–	1,062
Equity index swaps	–	–	–	(6,181)
IOS index swaps	–	–	–	406
Total commodity and index futures	–	–	–	(4,713)
Credit instruments	19,498	(153,995)	(1,692)	(25,196)
2013 Total	**$ 4,850,475**	**$ (226,895)**	**$ 38,103**	**$ (25,767)**

** The fair value of all derivative financial instruments is reflected in investments at fair value in the Statements of Financial Position.*

*** Net gain (loss) from the derivative financial instruments is located in the non-operating section as net gain on investments and other assets in the Statement of Activities.*

C. Derivative Financial Instruments and Collateral (continued)

Table 11 provides further details related to MIT's credit instruments and summarizes the notional amounts and fair value of the purchased and written credit derivatives, classified by the expiration terms and the external credit ratings of the reference obligations at June 30, 2014 and 2013.

The act of entering into a credit default swap contract is often referred to as "buying protection" or "selling protection" on an underlying reference obligation. The buyer is obligated to make premium payments to the seller over the term of the contract in return for a contingent payment upon the occurrence of a credit event with respect to the underlying obligation. The seller bears the obligation to "protect" the buyer in the event of default of the underlying issuer. Upon this event, the cash payment which the buyer receives is equal to the clearing price established by an auction of credit default swap claims, which is designed to approximate the recovery value of an unsecured claim on the issuer in default. The swap will last for a predetermined amount of time, typically five years. Upon termination of the swap, the buyer is no longer obligated to make any premium payments and there is no other exchange of capital.

Table 11. Credit Derivative Instruments

	Purchased Protection				Written Protection Notional Amount			
			Years to Maturity					
(in thousands of dollars)	Purchased Notional Amounts	Purchased Fair Value*	< 5 Years	5-10 Years	Written Notional Amounts***	Offsetting Purchased Credit Protection **	Net Written Credit Protection	Net Written Credit Protection Fair Value
Fiscal Year 2014								
Credit rating on underlying or index:								
A- to AAA	$ 68,692	$ (1,789)	$ 15,000	$ 53,692	$ 10,269	$ -	$ -	$ 120
BBB- to BBB+	36,977	(975)	5,000	31,977	-	(10,269)	-	(81)
2014 Total	**$ 105,669**	**$ (2,764)**	**$ 20,000**	**$ 85,669**	**$ 10,269**	**$ (10,269)**	**$ -**	**$ 39**
Fiscal Year 2013								
Credit rating on underlying or index:								
A- to AAA	$ 66,499	$ (1,168)	$ 20,000	$ 46,499	$ 19,498	$ -	$ -	$ 488
BBB- to BBB+	67,998	(1,012)	5,000	62,998	-	(19,498)	-	-
2013 Total	**$ 134,497**	**$ (2,180)**	**$ 25,000**	**$ 109,497**	**$ 19,498**	**$ (19,498)**	**$ -**	**$ 488**

** The fair value of all credit derivative instruments is reflected in investments at fair value in the Statements of Financial Position.*

*** Net gain (loss) of the credit derivative instruments is located in the non-operating section as net gain on investments and other assets in the Statement of Activities.*

**** The written and offsetting purchased credit protection held as of June 30, 2014 and 2013, has a maturity of less than five years.*

C. Derivative Financial Instruments and Collateral (continued)

Counterparty risk may be partially or completely mitigated through master netting agreements included within an International Swap and Derivatives Association, Inc. ("ISDA") Master Agreement between MIT and each of its counterparties. The ISDA Master Agreement allows MIT to offset with the counterparty certain derivative instruments' payables and/or receivables with collateral held with each counterparty. To the extent amounts due from the counterparties are not fully collateralized contractually or otherwise, there is the risk of loss from counterparty non-performance. As of June 30, 2014, MIT has elected not to offset recognized assets and liabilities in the Statements of Financial Position Investments Table. The following tables summarize the effect that offsetting of recognized assets and liabilities could have in the Statements of Financial Position Investments Table.

Table 12. Offsetting of Financial and Derivative Assets and Liabilities

	2014			2013		
(in thousands of dollars)	Gross Amount	Cash/Treasury Collateral Posted/ (Received)	Net Amount	Gross Amount	Cash/Treasury Collateral Posted/ (Received)	Net Amount
Assets						
Counterparty A	$ 9,250	$ (9,519)	$ (269)	$ 18,662	$ (19,204)	$ (542)
Counterparty B	46,243	(47,385)	(1,142)	35,158	(36,709)	(1,551)
Counterparty C	27	-	27	193	(300)	(107)
Counterparty D	-	-	-	-	-	-
Counterparty E	-	-	-	-	-	-
Counterparty F	-	-	-	-	-	-
Counterparty G	38,924	(39,709)	(785)	63,408	(64,685)	(1,277)
Counterparty H	42,200	(43,165)	(965)	43,714	(44,744)	(1,030)
Counterparty I	-	-	-	-	-	-
Counterparty J	-	-	-	-	(65)	(65)
Counterparty K	10,646	(10,599)	47	21,248	(23,042)	(1,794)
Total assets	**147,290**	**(150,377)**	**(3,087)**	**182,383**	**(188,749)**	**(6,366)**
Liabilities						
Counterparty A	(108)	130	22	(452)	-	(452)
Counterparty B	(692)	720	28	-	-	-
Counterparty C	-	-	-	-	-	-
Counterparty D	(362)	305	(57)	-	-	-
Counterparty E	(51)	205	154	(147)	60	(87)
Counterparty F	(399)	335	(64)	(280)	335	55
Counterparty G	(41,300)	-	(41,300)	(40,722)	-	(40,722)
Counterparty H	-	-	-	-	-	-
Counterparty I	(378)	420	42	(945)	1,120	175
Counterparty J	(801)	770	(31)	(719)	-	(719)
Counterparty K	(2,549)	2,549	-	-	-	-
Total liabilities	**(46,640)**	**5,434**	**(41,206)**	**(43,265)**	**1,515**	**(41,750)**
Total assets and liabilities, net	**$ 100,650**	**$ (144,943)**	**$ (44,293)**	**$ 139,118**	**$ (187,234)**	**$ (48,116)**

Maximum risk of loss from counterparty credit risk on over-the-counter derivatives is generally the aggregate unrealized appreciation in excess of any collateral pledged by the counterparty. ISDA Master Agreements allow MIT or the counterparties to an over-the-counter derivative to terminate the contract prior to maturity in the event either party fails to meet the terms in the ISDA Master Agreements. This would cause an accelerated payment of net liability, if owed to the counterparty.

C. Derivative Financial Instruments and Collateral (continued)

Table 13 below reconciles the net recognized assets and liabilities, as shown in Table 12, to derivative financial instruments as shown in Table 6.

Table 13. Reconciliation of Financial and Derivative Assets and Liabilities

(in thousands of dollars)	2014	2013
Derivatives from Table 6	$ (26,640)	$ (2,620)
Repurchase agreements	127,372	142,123
Fixed income futures	(82)	(385)
Total	**$ 100,650**	**$ 139,118**

D. Pledges Receivable

Table 14 below shows the time periods in which pledges receivable at June 30, 2014 and 2013 are expected to be realized.

Table 14. Pledges Receivable

(in thousands of dollars)	2014	2013
In one year or less	$ 156,094	$ 131,174
Between one year and five years	227,752	187,708
More than five years	160,760	130,662
Less: allowance for unfulfilled pledges	(54,270)	(44,950)
Pledges receivable, net	**$ 490,336**	**$ 404,594**

A review of pledges is periodically made with regard to collectability. As a result, the allowance for pledges that may not be fulfilled is adjusted, and some pledges have been cancelled and are no longer recorded in the financial statements. Pledges are discounted in the amount of $36.8 million and $34.2 million in 2014 and 2013, respectively. MIT has gross conditional pledges, not recorded, for the promotion of education and research of $39.3 million and $85.3 million in 2014 and 2013, respectively. MIT has pledges receivable relating to research in the amount of $21.4 million and $21.8 million in 2014 and 2013, respectively.

Pledges receivable are classified as Level 3 under the valuation hierarchy described in Note B.

Table 15 below is a rollforward of the pledges receivable at June 30, 2014 and 2013.

Table 15. Rollforward of Pledges Receivable

(in thousands of dollars)	2014	2013
Balance at the beginning of year	$ 404,594	$ 479,659
New pledges	191,973	99,062
Pledge payments received	(94,377)	(179,272)
Increase in pledge discount	(2,534)	(3,245)
(Increase) decrease in reserve for unfulfilled pledges	(9,320)	8,390
Balance at the end of year	**$ 490,336**	**$ 404,594**

E. Student Notes Receivable

Table 16 below details the components of student notes receivable at June 30, 2014 and 2013.

Table 16. Student Notes Receivable

(in thousands of dollars)	2014	2013
Institute-funded student notes receivable	$ 13,426	$ 14,004
Perkins student notes receivable	37,743	38,480
Total student notes receivable	51,169	52,484
Less: allowance for doubtful accounts	(3,000)	(3,000)
Student notes receivable, net	**$ 48,169**	**$ 49,484**

Perkins student notes receivable are funded by the US Government and by MIT. Funds advanced by the US Government for this program are ultimately refundable to the US Government and are classified as liabilities in US Government advances for student loans in the Statements of Financial Position. Due to the nature and terms of the student loans, which are subject to significant restrictions, it is not feasible to determine the fair value of such loans.

Allowance for Credit Losses

Management regularly assesses the adequacy of the allowance for credit losses by performing ongoing evaluations of the student loan portfolio, including such factors as the differing economic risks associated with each loan category, the financial condition of specific borrowers, the economic environment in which the borrowers operate, the level of delinquent loans, the value of any collateral and, where applicable, the existence of any guarantees or indemnifications. MIT's Perkins loans receivable represents the amounts due from current and former students under the Federal Perkins Loan Program. Loans disbursed under the Federal Perkins Loan Program are able to be assigned to the US Government in certain non-repayment situations. In these situations, the Federal portion of the loan balance is guaranteed.

Factors also considered by management when performing its assessment, in addition to general economic conditions and the other factors described above, included, but were not limited to, a detailed review of the aging of the student loan receivable and a review of the default rate by loan category in comparison to prior years. The level of the allowance is adjusted based on the results of management's analysis.

Loans less than 120 days delinquent are deemed to have a minimal delay in payment and are generally not written off but are reserved in accordance with the terms discussed above. Loans more than 120 days delinquent are subject to standard collection practices, including litigation. Only loans that are deemed uncollectible are written off and this only occurs after several years of unsuccessful collection, including placement at more than one external collection agency.

Considering the other factors already discussed herein, management considers the allowance for credit losses at June 30, 2014 and 2013 to be prudent and reasonable. Furthermore, MIT's allowance is general in nature and is available to absorb losses from any loan category. Management believes that the allowance for credit losses at June 30, 2014 and 2013 is adequate to absorb credit losses inherent in the portfolio as of that date.

Changes in the allowance for credit losses for the years ended June 30, 2014 and 2013 were as shown in Table 17.

Table 17. Rollforward of Allowance for Credit Losses

(in thousands of dollars)	2014	2013
Balance at the beginning of year	$ 3,000	$ 3,000
Provision for credit losses	126	-
Net charge-offs	(126)	-
Balance at the end of year	**$ 3,000**	**$ 3,000**

F. Accounts Payable, Accruals, and Other Liabilities

MIT's accounts payable, accruals, and other liabilities at June 30, 2014 and 2013 are shown in Table 18 below.

Table 18. Accounts Payable, Accruals, and Other Liabilities

(in thousands of dollars)	2014	2013
Accounts payable and accruals	$ 352,668	$ 325,472
Accrued vacation	59,291	58,965
Total	**$ 411,959**	**$ 384,437**

G. Borrowings

MIT's outstanding borrowings at June 30, 2014 and 2013 are shown in Table 19 below.

Table 19. Borrowings

(in thousands of dollars / due dates are calendar based)	2014	2013
Educational plant		
Massachusetts Development Finance Agency (MassDevelopment)		
Series I, 5.20%, due 2028, par value $30,000*	$ 30,781	$ 59,563
Series J-1, variable rate, due 2031	125,000	125,000
Series J-2, variable rate, due 2031	125,000	125,000
Series K, 5.25–5.5%, due 2012–2032, par value $203,500	213,673	214,304
Series L, 3.0–5.25%, due 2004–2033, par value $141,670	151,017	177,651
Series M, 5.25%, due 2014–2030, par value $131,110	140,437	141,634
Series N, 3.5–5.0%, due 2014–2038, par value $325,195	327,965	329,010
Series O, 4.0–6.0%, due 2016–2036, par value $266,460	268,716	269,778
Total MassDevelopment	$ 1,382,589	$ 1,441,940
Medium Term Notes Series A, 7.125% due 2026	17,367	17,363
Medium Term Notes Series A, 7.25%, due 2096	45,449	45,447
Taxable Bonds, Series B, 5.60%, due 2111, par value $750,000**	746,987	746,956
Taxable Bonds, Series C, 4.68%, due 2114, par value $550,000**	550,000	-
Notes payable to bank, variable rate, due 2017	83,033	83,033
Total educational plant	$ 1,442,836	$ 892,799
Other		
Notes payable to bank, variable rate, due 2017	93,476	93,476
Total borrowings	**$ 2,918,901**	**$ 2,428,215**

** Series I-2, 4.75% due 2028, par value $29,200 was redeemed by MIT in April 2014.*

*** The proceeds of Taxable Bonds, Series B and C, were held as investments as of June 30, 2014 and 2013 and have yet to be invested in physical assets.*

Fair value of the outstanding debt is approximately 11.0 percent greater than the carrying value in 2014 and 2013. It is classified as Level 3 under the valuation hierarchy described in Note B. Fair value is based on estimates using current interest rates available for similarly rated debt of the same remaining maturities.

G. Borrowings (continued)

The aggregate amounts of debt principal payments and sinking fund requirements for each of the next five fiscal years are shown in Table 20 below.

Table 20. Debt Principal Obligations

(in thousands of dollars)	
2015	$ 59,110
2016	9,585
2017	274,599
2018	26,500
2019	26,000

MIT maintains a line of credit with a major financial institution for an aggregate commitment of $500.0 million. As of June 30, 2014, $323.5 million was available under this line of credit. The line of credit expires on March 31, 2017.

During 2014, MIT issued $550.0 million in taxable bonds at a rate of 4.678 percent for a period of 100 years. This will be used to finance a comprehensive strategy for the next phase of MIT's physical plant development. MIT has also redeemed a portion of the Series I bonds for $29.2 million.

Cash paid for interest on long-term debt in 2014 and 2013 was $107.2 million and $116.3 million, respectively.

Variable interest rates at June 30, 2014 are shown in Table 21 below.

Table 21. Variable Interest Rates

(in thousands of dollars)	Amount	Rate
MassDevelopment Series J-1	$ 125,000	0.03%
MassDevelopment Series J-2	125,000	0.05%
Notes payable to bank	176,509	0.75%

In the event that MIT receives notice of any optional tender on its Series J-1 and Series J-2 variable-rate bonds, or if these bonds become subject to mandatory tender, the purchase price of the bonds will be paid from the remarketing of such bonds. However, if the remarketing proceeds are insufficient, MIT will be obligated to purchase the bonds tendered at 100 percent of par value on the tender date.

H. Commitments and Contingencies

Federal Government Funding

MIT receives funding or reimbursement from Federal agencies for sponsored research under Government grants and contracts. These grants and contracts provide for reimbursement of indirect costs based on rates negotiated with the Office of Naval Research (ONR), MIT's cognizant Federal agency. MIT's indirect cost reimbursements have been based on fixed rates with carryforward of under- or over-recoveries. At June 30, 2014 and 2013, MIT recorded a net over-recovery of $14.9 million and $26.9 million, respectively.

The DCAA is responsible for auditing indirect charges to grants and contracts in support of ONR's negotiating responsibility. MIT has final audited rates through 2009. MIT's 2014 research revenues of $1,528.9 million include reimbursement of indirect costs of $225.6 million, which includes the adjustment for the variance between the indirect cost income determined by the fixed rates and actual costs for 2014. In 2013, research revenues were $1,600.5 million, which included reimbursement of indirect costs of $219.7 million.

Leases

At June 30, 2014, there were no capital lease obligations. MIT is committed under certain operating (rental) leases. Rent expense incurred under operating lease obligations was $45.1 million and $40.5 million in 2014 and 2013, respectively. Future minimum payments under operating leases are shown in Table 22 below.

Table 22. Lease Obligations

(in thousands of dollars)	
2015	$ 36,929
2016	28,216
2017	23,709
2018	22,180
2019	18,849

Investments

As of June 30, 2014, $10.9 million of investments were pledged as collateral to various supplier and Government agencies.

H. Commitments and Contingencies (continued)

Future Construction

MIT has contracted for the educational plant in the amount of $182.3 million at June 30, 2014. It is expected that the resources to satisfy these commitments will be provided from unexpended plant funds, anticipated gifts, and unrestricted funds. MIT will be committing additional resources to planned major construction projects and improvements to the current infrastructure over the next several years.

Related Entities

MIT has entered into agreements, including collaborations with third-party not-for-profit and for-profit entities, for education, research, and technology transfers. Some of these agreements involve funding from foreign governments. These agreements subject MIT to greater financial risk than do its normal operations. In the opinion of management, the likelihood of realization of increased financial risks by MIT under these agreements is remote.

General

MIT is subject to certain other legal proceedings and claims that arise in the normal course of operations. In the opinion of management, the ultimate outcome of these actions will not have a material effect on MIT's financial position.

I. Functional Expense Classification

MIT's expenditures on a functional basis are shown in Table 23 below.

Table 23. Expenditures by Functional Classification

(in thousands of dollars)	2014	2013
General and administrative	$ 713,103	$ 681,505
Instruction and unsponsored research	777,382	692,032
Sponsored research	1,283,189	1,397,857
Auxiliary enterprises	129,692	124,358
Operation of Alumni Association	15,151	12,825
Total operating expenses	**$ 2,918,517**	**$ 2,908,577**

J. Retirement Benefits

MIT offers a defined benefit plan and a defined contribution plan to its employees. The plans cover substantially all MIT employees.

MIT also offers a postretirement welfare benefit plan (certain health care and life insurance benefits) for retired employees. Substantially all MIT employees may become eligible for those benefits if they reach a qualifying retirement age while working for MIT. The health care component of the welfare plan is paid for in part by retirees, their covered dependents, and beneficiaries. Benefits are provided through various insurance companies whose charges are based either on the claims and administrative expenses paid during the year or annual insured premiums. The life insurance component of the welfare plan includes basic life insurance and supplemental life insurance. The basic life insurance plan is non-contributory and covers the retiree only. The supplemental life insurance plan is paid for by the retiree. MIT maintains a trust to pay for postretirement welfare benefits.

MIT contributes to the defined benefit plan amounts that are actuarially determined to provide the retirement plan with sufficient assets to meet future benefit requirements. There was a $20.4 million and $33.0 million contribution to the defined benefit plan in 2014 and 2013, respectively. MIT also contributed $31.5 million and $35.6 million to the postretirement welfare benefit plan in 2014 and 2013, respectively.

For purposes of calculating net periodic cost for the defined benefit plan, plan amendments are amortized on a straight-line basis over the average future service to expected retirement of active participants at the date of the amendment. Cumulative gains and losses (including changes in assumptions) in excess of 10 percent of the greater of the projected benefit obligation or the market-related value of assets are amortized over the average future service of active participants. The annual amortization shall not be less than the total amount of unrecognized gains and losses up to $1.0 million.

J. Retirement Benefits (continued)

The amount contributed and expenses recognized during 2014 and 2013 related to the defined contribution plan were $48.6 million and $46.2 million, respectively.

For purposes of calculating net periodic cost for the postretirement welfare benefit plan, a portion of the current obligation related to the transition to the accounting standard *Employers' Accounting for Postretirement Benefits Other than Pensions*, was amortized on a straight-line basis over 20 years from the date of adoption of that statement in 1994.

Plan amendments are amortized on a straight-line basis over the average future service to full eligibility of active participants at the date of amendment. Cumulative gains and losses (including changes in assumptions) in excess of 10 percent of the greater of the plan's obligation or the market-related value of assets are amortized over the average future service of active participants. The annual amortization shall not be less than the total amount of unrecognized gains and losses up to $1.0 million.

Components of Net Periodic Benefit Cost

Table 24 summarizes the components of net periodic benefit cost recognized in operating activity and other amounts recognized in non-operating activity in unrestricted net assets for the years ended June 30, 2014 and 2013.

Table 24. Components of Net Periodic Benefit Cost

	Defined Benefit Plan		Postretirement Welfare Benefit Plan	
(in thousands of dollars)	2014	2013	2014	2013
Components of net periodic benefit cost recognized in operating activity:				
Service cost	$ 71,661	$ 77,093	$ 22,079	$ 23,004
Interest cost	141,213	130,187	24,210	22,087
Expected return on plan assets	(207,532)	(211,063)	(27,204)	(24,786)
Amortization of net actuarial loss	14,066	17,542	5,822	10,642
Amortization of prior service cost	953	1,018	(2,801)	(2,801)
Net periodic benefit cost recognized in operating activity	**$ 20,361**	**$ 14,777**	**$ 22,106**	**$ 28,146**
Other amounts recognized in non-operating activity in unrestricted net assets:				
Current year actuarial gain	(25,547)	(230,545)	(10,811)	(54,496)
Amortization of actuarial gain	(14,066)	(17,542)	(5,822)	(10,642)
Amortization of prior service cost	(953)	(1,018)	2,801	2,801
Total other amounts recognized in non-operating activity	**$ (40,566)**	**$ (249,105)**	**$ (13,832)**	**$ (62,337)**
Total recognized	**$ (20,205)**	**$ (234,328)**	**$ 8,274**	**$ (34,191)**

The estimated net actuarial loss and prior service cost for the defined benefit plan that will be amortized from unrestricted net assets into net periodic benefit cost during the next fiscal year are $24.6 million and $1.0 million, respectively. The estimated net actuarial loss and prior service credit for the postretirement welfare benefit plan that will be amortized from unrestricted net assets into net periodic benefit cost during the next fiscal year are $6.1 million and $(2.8) million, respectively.

J. Retirement Benefits (continued)

Cumulative amounts recognized as non-operating changes in unrestricted net assets are summarized in Table 25 for the years ended June 30, 2014 and 2013.

Table 25. Cumulative Amounts Recognized in Unrestricted Net Assets

	Defined Benefit Plan		Postretirement Welfare Benefit Plan	
(in thousands of dollars)	2014	2013	2014	2013
Amounts recognized in unrestricted net assets consist of:				
Net actuarial loss	$ 283,726	$ 323,339	$ 56,937	$ 73,570
Prior service cost / (credit)	2,880	3,833	(16,216)	(19,017)
Total cumulative amounts recognized in unrestricted net assets	**$ 286,606**	**$ 327,172**	**$ 40,721**	**$ 54,553**

Benefit Obligations and Fair Value of Assets

Table 26 summarizes the benefit obligations, plan assets, and amounts recognized in the Statements of Financial Position for MIT's retirement benefit plans. MIT uses a June 30 measurement date for its defined benefit and postretirement welfare benefit plans.

Table 26. Projected Benefit Obligations and Fair Value of Assets

	Defined Benefit Plan		Postretirement Welfare Benefit Plan	
(in thousands of dollars)	2014	2013	2014	2013
Change in projected benefit obligations:				
Projected benefit obligations at the beginning of year	$ 2,803,784	$ 2,890,587	$ 479,117	$ 489,475
Service cost	71,661	77,093	22,079	23,004
Interest cost	141,213	130,187	24,210	22,086
Retiree contributions	-	–	4,346	4,066
Net benefit payments, transfers, and other expenses	(124,927)	(144,222)	(23,512)	(22,913)
Assumption changes and actuarial net loss (gain)	248,973	(149,861)	33,022	(36,601)
Projected benefit obligations at the end of year	**$ 3,140,704**	**$ 2,803,784**	**$ 539,262**	**$ 479,117**
Change in plan assets:				
Fair value of plan assets at the beginning of year	2,758,276	2,577,752	414,981	358,912
Actual return on plan assets	482,053	291,747	71,038	42,681
Employer contributions	20,362	33,000	31,514	35,624
Retiree contributions	-	–	4,346	4,066
Net benefit payments, transfers, and other expenses	(124,927)	(144,223)	(26,507)	(26,302)
Fair value of plan assets at the end of year	**3,135,764**	**2,758,276**	**495,372**	**414,981**
Unfunded status at the end of year	**$ (4,940)**	**$ (45,508)**	**$ (43,890)**	**$ (64,136)**
Amounts recognized in the Statements of Financial Position consist of:				
Total accrued benefit liabilities	**$ (4,940)**	**$ (45,508)**	**$ (43,890)**	**$ (64,136)**

J. Retirement Benefits (continued)

The accumulated benefit obligation for MIT's defined benefit plan was $2,922.1 million and $2,620.4 million at June 30, 2014 and 2013, respectively.

MIT provides retiree drug coverage through an Employer Group Waiver Plan (EGWP). Under EGWP, the cost of drug coverage is offset through direct Federal subsidies, brand-name drug discounts, and reinsurance reimbursements.

Assumptions and Health Care Trend Rates

Table 27 summarizes assumptions and health care trend rates. The expected long-term rate of return assumption represents the expected average rate of earnings on the funds invested or to be invested to provide for the benefits included in the benefit obligation. The long-term rate of return assumption is determined based on a number of factors, including historical market index returns, the anticipated long-term asset allocation of the plans, historical plan return data, plan expenses, and the potential to outperform market index returns.

Table 27. Assumptions

	Defined Benefit Plan		Postretirement Welfare Benefit Plan	
(in thousands of dollars)	2014	2013	2014	2013
Assumptions used to determine benefit obligation as of June 30:				
Discount rate	4.50%	5.03%	4.43%	4.95%
Rate of compensation increase*	4.00%	4.00%		
Assumptions used to determine net periodic benefit cost for year ended June 30:				
Discount rate	5.03%	4.49%	4.95%	4.41%
Expected long-term return on plan assets	8.00%	8.00%	7.00%	7.00%
Rate of compensation increase*	4.00%	4.00%		
Assumed health care cost trend rates:				
Health care cost trend rate assumed for next year			7.00%	7.00%
Rate to which the cost trend rate is assumed to decline (the ultimate trend rate)			4.75%	4.75%
Year the rate reaches the ultimate trend rate			2021	2021

** The average rate of salary increase is assumed to be 4.00% for 2015 and thereafter.*

As an indicator of sensitivity, a one percentage point change in the assumed health care cost trend rate would affect 2014 as shown in Table 28 below.

Table 28. Health Care Cost Trend Rate Sensitivity

(in thousands of dollars)	1% Point Increase	1% Point Decrease
Effect on 2014 postretirement service and interest cost	$ 7,178	$ (5,864)
Effect on postretirement benefit obligation as of June 30, 2014	70,886	(58,983)

The investment objectives for the assets of the plans are to minimize expected funding contributions and to meet or exceed the rate of return assumed for plan funding purposes over the long term. The nature and duration of benefit obligations, along with assumptions concerning asset class returns and return correlations, are considered when determining an appropriate asset allocation to achieve the investment objectives.

Investment policies and strategies governing the assets of the plans are designed to achieve investment objectives within prudent risk parameters. Risk management practices include the use of external investment managers, the maintenance of a portfolio diversified by asset class, investment approach, security holdings, and the maintenance of sufficient liquidity to meet benefit obligations as they come due.

J. Retirement Benefits (continued)

Tables 29A and 29B present investments at fair value of MIT's defined benefit plan and postretirement welfare benefit plan, which are included in plan net assets as of June 30, 2014 and 2013, grouped by the valuation hierarchy detailed in Note B. There were no transfers between Level 1 and Level 2 fair value measurements in 2014 or 2013. Transfers between Level 2 and Level 3 result from the expiration or commencements of lock-ups which impact MIT's ability to exit the fund within twelve months. The 2014 transfers for absolute return, shown in Table 30, include $67.3 million out of and $53.0 million into Level 3 investments for the defined benefit plan and $6.9 million out of and $25.0 million into Level 3 investments for the postretirement welfare benefit plan. All other categories reflect the gross activity.

Table 29A. Defined Benefit Plan Investments

(in thousands of dollars)	Quoted Prices in Active Markets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Total Fair Value
Fiscal Year 2014				
Cash and cash equivalents	$ 307,951	$ -	$ -	$ 307,951
US Treasury	262,062	-	-	262,062
US Government agency	-	14,816	-	14,816
Domestic bonds	-	-	-	-
Common equity:				
Long domestic	34,248	-	909	35,157
Long foreign	66,543	-	-	66,543
Equity:*				
Absolute return	-	52,266	287,384	339,650
Domestic	-	74,224	326,757	400,981
Foreign	-	205,456	454,749	660,205
Private	-	-	545,295	545,295
Real estate	-	-	311,942	311,942
Real assets*	-	1,347	177,806	179,153
Other	-	-	1,191	1,191
Derivatives	24	(1,265)	-	(1,241)
Total plan investments	**$ 670,828**	**$ 346,844**	**$ 2,106,033**	**$ 3,123,705**
Fiscal Year 2013				
Cash and cash equivalents	$ 197,341	$ –	$ –	$ 197,341
US Treasury	194,191	–	–	194,191
US Government agency	–	19,667	–	19,667
Domestic bonds	–	65,178	–	65,178
Common equity:				
Long domestic	43,518	–	2,100	45,618
Long foreign	1,740	–	–	1,740
Equity:*				
Absolute return	–	94,411	266,407	360,818
Domestic	–	-	378,862	378,862
Foreign	–	220,858	344,298	565,156
Private	–	–	455,850	455,850
Real estate	–	–	316,977	316,977
Real assets*	205	1,119	166,597	167,921
Derivatives	82	–	–	82
Total plan investments	**$ 437,077**	**$ 401,233**	**$ 1,931,091**	**$ 2,769,401**

** Real assets and equity categories include commingled vehicles that invest in these types of investments.*

J. Retirement Benefits (continued)

Table 29B. Postretirement Welfare Benefit Plan Investments

(in thousands of dollars)	Quoted Prices in Active Markets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Total Fair Value
Fiscal Year 2014				
Cash and cash equivalents	$ 35,960	$ -	$ -	$ 35,960
Domestic bonds**	-	78,182	-	78,182
Common equity:				
Long domestic	26,789	-	-	26,789
Long foreign	5,022	-	-	5,022
Equity:*				
Absolute return	-	6,061	63,494	69,555
Domestic	-	21,904	43,115	65,019
Foreign	-	95,407	60,937	156,344
Private	-	-	32,033	32,033
Real estate	-	-	20,677	20,677
Real assets*	-	-	6,032	6,032
Total plan investments	**$ 67,771**	**$ 201,554**	**$ 226,288**	**$ 495,613**
Fiscal Year 2013				
Cash and cash equivalents	$ 23,812	$ –	$ –	$ 23,812
Domestic bonds**	–	76,485	–	76,485
Common equity:				
Long domestic	26,646	–	–	26,646
Long foreign	220	–	–	220
Equity:*				
Absolute return	–	28,802	40,018	68,820
Domestic	–	–	62,147	62,147
Foreign	–	41,273	71,597	112,870
Private	–	–	20,826	20,826
Real estate	–	–	18,053	18,053
Real assets*	–	–	5,254	5,254
Total plan investments	**$ 50,678**	**$ 146,560**	**$ 217,895**	**$ 415,133**

** Real assets and equity categories include commingled vehicles that invest in these types of investments.*

*** Includes one common collective trust*

J. Retirement Benefits (continued)

Table 30 is a rollforward of the investments classified by MIT's defined benefit plan and postretirement welfare benefit plan within Level 3 of the fair value hierarchy defined in Note B as at June 30, 2014 and 2013.

Table 30. Rollforward of Level 3 Investments

(in thousands of dollars)	Fair Value Beginning	Realized Gains (Losses)	Unrealized Gains (Losses)	Purchases	Sales	Transfer of Assets Between Levels	Fair Value Ending
Defined Benefit Plan							
Fiscal Year 2014							
Common equity:							
Long domestic	$ 2,100	$ -	$ -	$ -	$ -	$ (1,191)	$ 909
Long foreign	-	-	-	-	-	-	-
Equity:							
Absolute return	266,407	50,717	9,928	89,311	(114,649)	(14,330)	287,384
Domestic	378,862	23,930	61,969	1,225	(74,011)	(65,218)	326,757
Foreign	344,298	8,084	80,685	72,188	(44,240)	(6,266)	454,749
Private	455,850	48,444	75,941	70,741	(105,681)	-	545,295
Real estate	316,977	17,295	12,388	46,686	(81,404)	-	311,942
Real assets	166,597	4,382	16,418	9,454	(19,045)	-	177,806
Other	-	-	-	-	-	1,191	1,191
Total	**$ 1,931,091**	**$ 152,852**	**$ 257,329**	**$ 289,605**	**$ (439,030)**	**$ (85,814)**	**$ 2,106,033**
Fiscal Year 2013							
Common equity:							
Long domestic	$ 2,100	$ –	$ –	$ 909	$ (909)	$ –	$ 2,100
Long foreign	–	6	–	–	(6)	–	–
Equity:							
Absolute return	289,429	27,169	(1,018)	92,136	(151,696)	10,387	266,407
Domestic	297,799	1,690	65,532	80,463	(69,549)	2,927	378,862
Foreign	158,171	-	45,583	230,398	(32,620)	(57,234)	344,298
Private	431,578	33,458	14,517	81,197	(104,900)	–	455,850
Real estate	294,379	5,552	19,976	64,596	(67,526)	–	316,977
Real assets	157,611	4,336	998	21,553	(17,901)	–	166,597
Total	**$ 1,631,067**	**$ 72,211**	**$ 145,588**	**$ 571,252**	**$ (445,107)**	**$ (43,920)**	**$ 1,931,091**
Postretirement Welfare Benefit Plan							
Fiscal Year 2014							
Equity:							
Absolute return	$ 40,018	$ 6,519	$ 5,558	$ 24,587	$ (31,314)	$ 18,126	$ 63,494
Domestic	62,147	5,868	6,703	138	(19,059)	(12,682)	43,115
Foreign	71,597	861	11,111	10,694	(3,362)	(29,964)	60,937
Private	20,826	1,559	5,165	7,950	(3,467)	-	32,033
Real estate	18,053	1,230	1,328	4,887	(4,821)	-	20,677
Real assets	5,254	109	1,102	405	(838)	-	6,032
Total	**$ 217,895**	**$ 16,146**	**$ 30,967**	**$ 48,661**	**$ (62,861)**	**$ (24,520)**	**$ 226,288**
Fiscal Year 2013							
Equity:							
Absolute return	$ 21,705	$ 747	$ 2,388	$ 9,436	$ (10,127)	$ 15,869	$ 40,018
Domestic	49,236	32	10,721	11,718	(9,885)	325	62,147
Foreign	5,906	-	9,728	54,518	(5,383)	6,828	71,597
Private	16,936	869	705	7,307	(4,991)	–	20,826
Real estate	14,627	309	1,695	6,695	(5,273)	–	18,053
Real assets	3,502	410	(2)	1,935	(591)	–	5,254
Total	**$ 111,912**	**$ 2,367**	**$ 25,235**	**$ 91,609**	**$ (36,250)**	**$ 23,022**	**$ 217,895**

J. Retirement Benefits (continued)

The plans have made investments in various long-lived partnerships, and in other cases have entered into contractual arrangements that may limit their ability to initiate redemptions due to notice periods, lock-ups, and gates. Details on estimated remaining life, current redemption terms and restrictions by asset class and type of investment for both the defined benefit plan and postretirement welfare benefit plan are provided in Table 31 below as of June 30, 2014 and 2013.

Table 31. Unfunded Commitments

Asset Class *(in thousands of dollars)*	2014 Unfunded Commitments	2014 Fair Value	2013 Unfunded Commitments	2013 Fair Value	Redemption Terms	Redemption Restrictions
Defined Benefit Plan						
Equity:						
Domestic	$ 1,027	$ 400,981	$ 2,126	$ 378,862	Redemption terms range from monthly to annually with 120 days notice	Lock-up provisions range from none to 4 years
Foreign	11,760	660,205	21,600	565,156	Redemption terms range from daily to annually with 90 days notice	Lock-up provisions range from none to 5 years
Absolute return	44,824	339,650	25,251	360,818	Redemption terms range from monthly with 30 business days notice to closed-end structures not available for redemption	Lock-up provisions range from none to not redeemable
Private	269,612	545,295	191,245	455,850	Closed-end funds not eligible for redemption	Not redeemable
Real estate	135,912	311,942	150,491	316,977	Closed-end funds not eligible for redemption	Not redeemable
Real assets	37,447	176,446	21,503	167,921	Closed-end funds not eligible for redemption	Not redeemable
Totals	**$ 500,582**	**$ 2,434,519**	**$ 412,216**	**$ 2,245,584**		
Postretirement Welfare Benefit Plan						
Equity:						
Domestic	$ 114	$ 65,018	$ 236	$ 62,147	Redemption terms range from daily to annually with 120 days notice	Lock-up provisions range from none to 4 years
Foreign	1,560	156,344	2,400	112,870	Redemption terms range from daily to annually with 90 days notice	Lock-up provisions range from none to 5 years
Absolute return	3,697	69,554	1,266	68,820	Redemption terms range from monthly with 30 business days notice to closed-end structures not available for redemption	Lock-up provisions range from none to not redeemable
Private	33,669	32,032	19,038	20,826	Closed-end funds not eligible for redemption	Not redeemable
Real estate	13,722	20,677	13,342	18,053	Closed-end funds not eligible for redemption	Not redeemable
Real assets	4,675	6,032	2,004	5,254	Closed-end funds not eligible for redemption	Not redeemable
Totals	**$ 57,437**	**$ 349,657**	**$ 38,286**	**$ 287,970**		

J. Retirement Benefits (continued)

Target allocations and weighted-average asset allocations of the investment portfolio for the MIT defined benefit plan and postretirement welfare benefit plan at June 30, 2014 and 2013 are shown in Table 32.

Table 32. Plan Investment Allocation

	Defined Benefit Plan			Postretirement Welfare Benefit Plan		
	2014 Target Allocation	2014	2013	2014 Target Allocation	2014	2013
Cash and cash equivalents	0–10%	10%	7%	0–10%	7%	6%
Fixed income	3–13%	8%	10%	10–20%	16%	18%
Equities	34.5–74.5%	55%	52%	37–77%	58%	54%
Marketable alternatives	7.5–17.5%	11%	13%	10.5–20.5%	14%	17%
Real assets	4–14%	6%	6%	0–7.5%	1%	1%
Real estate	6–16%	10%	12%	0–10%	4%	4%
Total		**100%**	**100%**		**100%**	**100%**

Table 33 summarizes the notional exposure and net ending fair value of derivative financial instruments held by the MIT defined benefit plan at June 30, 2014 and 2013. Refer to Note C for a detailed discussion regarding derivative financial instruments.

Table 33. Derivative Financial Instruments for Defined Benefit Plan

	Notional Exposure			
(in thousands of dollars)	Long	Short	Net Ending Fair Value Amount	Net Gain (Loss)
Fiscal Year 2014				
Fixed income instruments:				
Fixed income futures	$ 200	$ (4,700)	$ 24	$ 73
Interest rate swaps	-	-	-	-
Total fixed income instruments	200	(4,700)	24	73
Currency forwards and other instruments	-	-	-	-
Commodity and index instruments:				
Equity index swaps	-	(23,573)	(1,265)	(89)
Credit instruments	-	-	-	-
2014 Total	**$ 200**	**$ (28,273)**	**$ (1,241)**	**$ (16)**
Fiscal Year 2013				
Fixed income instruments:				
Fixed income futures	$ 3,600	$ (5,500)	$ 82	$ 91
Interest rate swaps	–	–	–	(43)
Total fixed income instruments	3,600	(5,500)	82	48
Currency forwards and other instruments	–	–	–	6
Commodity and index instruments:				
Fixed income index swaps	–	–	–	157
Credit instruments	–	–	–	(1,372)
2013 Total	**$ 3,600**	**$ (5,500)**	**$ 82**	**$ (1,161)**

J. Retirement Benefits (continued)

Counterparty risk may be partially or completely mitigated through master netting agreements included within an International Swap and Derivatives Association, Inc. ("ISDA") Master Agreement between the Plan and each of its counterparties. The ISDA Master Agreement allows the Plan to offset with the counterparty certain derivative instruments' payables and/or receivables with collateral held with each counterparty.

To the extent amounts due from the counterparties are not fully collateralized contractually or otherwise, there is the risk of loss from counterparty non-performance. As of June 30, 2014, the Plan has elected not to offset recognized assets and liabilities in the Defined Benefit Plan Investments Table. The following tables summarize the effect that offsetting of recognized assets and liabilities could have in the Defined Benefit Plan Investments Table.

Table 34. Offsetting of Financial and Derivative Assets and Liabilities

(in thousands of dollars)	Gross Amount	Cash/Treasury Collateral Posted/ (Received)	Net Amount
Fiscal Year 2014			
Assets			
Counterparty A	$ -	$ -	$ -
Total assets	**$ -**	**$ -**	**$ -**
Liabilities			
Counterparty A	$ (1,265)	$ 1,330	$ 65
Total liabilities	**$ (1,265)**	**$ 1,330**	**$ 65**

Maximum risk of loss from counterparty credit risk on over-the-counter derivatives is generally the aggregate unrealized appreciation in excess of any collateral pledged by the counterparty. ISDA Master Agreements allow the Plan or the counterparties to an over-the-counter derivative to terminate the contract prior to maturity in the event either party fails to meet the terms in the ISDA Master Agreements. This would cause an accelerated payment of net liability, if any, owed to the counterparty.

Table 35 below reconciles the Net of the Recognized Assets and Liabilities as shown in Table 34, to Derivative Financial Instruments as shown in Table 29A.

Table 35. Reconciliation of Financial and Derivative Assets and Liabilities

(in thousands of dollars)	2014	2013
Derivatives from Table 29A	$ (1,241)	$ 82
Fixed income futures	(24)	(82)
Total	**$ (1,265)**	**$ -**

J. Retirement Benefits (continued)

Expected Future Contributions and Benefit Payments

In 2015, MIT expects to make contributions of $26.0 million and $23.0 million to its defined benefit pension plan and postretirement welfare benefit plan, respectively. These contributions have been estimated based on the same assumptions used to measure MIT's benefit obligations at June 30, 2014.

Table 36 reflects total expected future benefit payments for the defined benefit and postretirement welfare benefit plans. These payments have been estimated based on the same assumptions used to measure MIT's benefit obligations at June 30, 2014.

Table 36. Expected Future Benefit Payments

(in thousands of dollars)	Pension Benefits	Other Benefits*
2015	$ 144,620	$ 25,914
2016	157,042	28,789
2017	163,393	31,362
2018	169,961	33,551
2019	176,522	35,223
2020–2024	957,245	198,352

** Other benefits reflect the total net benefits expected to be paid from the plans (e.g., gross benefit reimbursement offset by retiree contributions).*

K. Components of Net Assets and Endowment

Table 37 presents the total net assets composition as of June 30, 2014. The amounts listed in the unrestricted category under endowment funds are those gifts and other funds received over the years that MIT designated as funds functioning as endowment and invested with the endowment funds.

A large component of temporarily restricted net assets in other invested funds is pledges, the majority of which will be reclassified to unrestricted net assets when cash is received.

Table 37. Total Net Asset Composition

	2014				
(in thousands of dollars)	Unrestricted	Temporarily Restricted	Permanently Restricted	Total	2013 Total
Endowment Funds					
General purpose	$ 832,414	$ 1,016,869	$ 218,611	$ 2,067,894	$ 1,823,228
Departments and research	567,946	969,512	576,918	2,114,376	1,809,843
Library	11,178	21,707	12,907	45,792	36,152
Salaries and wages	508,677	2,447,016	674,309	3,630,002	3,166,030
Graduate general	82,833	136,905	94,642	314,380	260,262
Graduate departments	106,592	325,652	227,694	659,938	556,527
Undergraduate	209,189	1,032,416	338,519	1,580,124	1,376,155
Prizes	8,069	28,657	20,290	57,016	49,194
Miscellaneous	1,033,613	191,113	381,820	1,606,546	1,473,414
Investment income held for distribution	349,063	-	-	349,063	307,171
Endowment funds before pledges	3,709,574	6,169,847	2,545,710	12,425,131	10,857,976
Pledges	-	-	164,647	164,647	147,956
Total endowment funds	3,709,574	6,169,847	2,710,357	12,589,778	11,005,932
Other Invested Funds					
Student loan funds	20,331	-	17,511	37,842	37,779
Building funds	57,490	76,602	-	134,092	135,343
Designated purposes:					
Departments and research	304,097	-	-	304,097	265,216
Other purposes	441,286	50,866	-	492,152	462,749
Real estate gift held for sale	4,165	-	-	4,165	7,237
Life income funds	6,300	37,300	114,443	158,043	135,385
Pledges	-	325,688	-	325,688	256,638
Other funds available for current expenses	1,306,496	57,922	-	1,364,418	971,888
Funds expended for educational plant	617,392	-	-	617,392	580,044
Total other invested funds	2,757,557	548,378	131,954	3,437,889	2,852,279
Noncontrolling interests	287,825	-	-	287,825	274,663
Total net assets at fair value	**$ 6,754,956**	**$ 6,718,225**	**$ 2,842,311**	**$ 16,315,492**	**$ 14,132,874**

K. Components of Net Assets and Endowment (continued)

MIT's endowment consists of approximately 3,500 individual funds established for a variety of purposes, and includes both donor-restricted endowment funds and funds designated by the Executive Committee of the MIT Corporation (Executive Committee) to function as endowments. As required by GAAP, net assets associated with endowment funds, including funds designated by the Executive Committee to function as endowments, are classified and reported based on the existence or absence of donor-imposed restrictions.

The Executive Committee has interpreted the Massachusetts-enacted version of the Uniform Prudent Management of Institutional Funds Act (UPMIFA) as allowing MIT to appropriate for expenditure or accumulate so much of an endowment fund as MIT determines is prudent for the uses, benefits, purposes, and duration for which the endowment fund is established, subject to the intent of the donor as expressed in the gift instrument. Unless stated otherwise in the gift instrument, the assets in an endowment fund shall be donor-restricted assets until appropriated for expenditure by the Executive Committee. As a result of this interpretation, MIT has not changed the way permanently restricted net assets are classified. See Note A for further information on net asset classification. The remaining portion of the donor-restricted endowment fund that is not classified in permanently restricted net assets is classified as temporarily restricted net assets until those amounts are appropriated for expenditure in a manner consistent with the standard of prudence prescribed by UPMIFA. In accordance with UPMIFA, the Executive Committee considers the following factors in making a determination to appropriate or accumulate endowment funds:

i. the duration and preservation of the fund
ii. the purposes of MIT and the endowment fund
iii. general economic conditions
iv. the possible effects of inflation and deflation
v. the expected total return from income and the appreciation of investments
vi. other resources of MIT
vii. the investment policies of MIT

Table 38. Endowment Net Asset Composition by Type of Fund

(in thousands of dollars)	Unrestricted	Temporarily Restricted	Permanently Restricted	Total
Fiscal Year 2014				
Donor-restricted endowment funds	$ -	$ 6,169,847	$ 2,710,357	$ 8,880,204
Board-designated endowment funds	3,709,574	-	-	3,709,574
Total endowment funds	**$ 3,709,574**	**$ 6,169,847**	**$ 2,710,357**	**$ 12,589,778**
Fiscal Year 2013				
Donor-restricted endowment funds	$ (1,191)	$ 5,171,454	$ 2,605,576	$ 7,775,839
Board-designated endowment funds	3,230,093	-	-	3,230,093
Total endowment funds	**$ 3,228,902**	**$ 5,171,454**	**$ 2,605,576**	**$ 11,005,932**

Underwater Endowment Funds

From time to time, the fair value of assets associated with individual donor-restricted endowment funds may fall below the value of the initial and subsequent donor gift amounts (underwater). When underwater endowment funds exist, they are classified as a reduction of unrestricted net assets.

As of June 30, 2014, there were no underwater endowment funds reported in unrestricted net assets. Total underwater endowment funds reported in unrestricted net assets were $1.2 million as of June 30, 2013. The underwater status of these funds resulted from unfavorable market fluctuations.

K. Components of Net Assets and Endowment (continued)

Table 39. Changes in Endowment Net Assets

(in thousands of dollars)	Unrestricted	Temporarily Restricted	Permanently Restricted	Total
Fiscal Year 2014				
Endowment net assets, July 1, 2013	$ 3,228,902	$ 5,171,454	$ 2,605,576	$ 11,005,932
Investment return:				
Investment income	26,120	51,051	17,590	94,761
Net appreciation (realized and unrealized)	576,974	1,294,684	(59,564)	1,812,094
Total investment return	603,094	1,345,735	(41,974)	1,906,855
Contributions	-	-	117,208	117,208
Appropriation of endowment assets for expenditure	(158,367)	(346,848)	(10,216)	(515,431)
Other changes				
Underwater gain adjustment	1,191	(1,191)	-	-
Net asset reclassifications and transfers to create board-designated endowment funds	34,754	697	39,763	75,214
Endowment net assets, June 30, 2014	**$ 3,709,574**	**$ 6,169,847**	**$ 2,710,357**	**$ 12,589,778**
Fiscal Year 2013				
Endowment net assets, July 1, 2012	$ 3,003,203	$ 4,786,012	$ 2,519,059	$ 10,308,274
Investment return:				
Investment income	19,388	48,080	13,054	80,522
Net appreciation (realized and unrealized)	294,247	669,225	15,983	979,455
Total investment return	313,635	717,305	29,037	1,059,977
Contributions	–	–	67,718	67,718
Appropriation of endowment assets for expenditure	(151,382)	(330,147)	(17,770)	(499,299)
Other changes				
Underwater gain adjustment	2,253	(2,253)	–	–
Net asset reclassifications and transfers to create board-designated endowment funds	61,193	537	7,532	69,262
Endowment net assets, June 30, 2013	**$ 3,228,902**	**$ 5,171,454**	**$ 2,605,576**	**$ 11,005,932**

K. Components of Net Assets and Endowment (continued)

Investment and Spending Policies

MIT maintains its investments primarily in two investment pools: Pool A, principally for endowment and funds functioning as endowment, and Pool C, principally for investment of current funds of MIT's schools and departments and MIT's operating funds. Pool A operates as a mutual fund with units purchased and redeemed based on the previous month's unit market value of Pool A. The total market value of Pool A was $13,654.9 million at June 30, 2014, and $11,753.8 million at June 30, 2013. Pool A includes certain operating and life income funds totaling $1,512.6 million at June 30, 2014, and $1,331.3 million at June 30, 2013. Certain assets are also maintained in separately invested funds. Separately invested funds totaled $282.8 million at June 30, 2014, and $435.4 million at June 30, 2013.

MIT has adopted endowment investment and spending policies designed to provide a predictable stream of funding to programs supported by its endowment while maintaining the purchasing power of endowment assets. An additional investment goal is to maximize return relative to appropriate risk such that performance exceeds appropriate benchmark returns at the total pool, asset class, and individual manager levels.

To achieve its long-term rate-of-return objectives, MIT relies on a total return strategy in which investment returns are realized through both capital appreciation (realized and unrealized gains) and current yield (interest and dividends). MIT targets a diversified asset allocation that places greater emphasis on equity-based investments to achieve its long-term objectives within prudent risk constraints.

The Executive Committee of the Corporation votes to distribute funds for operational support from general investments. In accordance with MIT's spending policy, these distributions are funded from both investment income and market appreciation. The distribution rates were $62.90 and $60.84 per Pool A unit as of June 30, 2014 and 2013, respectively. In 2014, the amount distributed for spending from Pool A and Pool C totaled $623.5 million, compared to $585.8 million distributed in 2013. Included in this amount was a special distribution of $31.1 million and $24.0 million from gains in Pool C in 2014 and 2013, respectively. During 2014, distributions from separately invested funds were $10.9 million, compared to $18.8 million in 2013. The income earned in Pool C, or currently invested funds, was fully distributed.

SECTION II

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

Massachusetts Institute of Technology
Schedule of Expenditures of Federal Awards
For the Year Ended June 30, 2014

Federal Grantor/ Passthrough Grantor/ Program Title	Federal CFDA Number	Federal Expenditures
Research and Development		
Department of Defense:	12.	
Air Force		$ 223,205,308
Army		99,815,718
Classified		156,160,626
Defense Advance Research Project Agency		47,250,567
Missile Defense Agency		62,115,605
National Security Agency		7,829,402
Navy		73,175,695
Other Department of Defense		164,932,586
Passthrough		28,445,078
Total Department of Defense		$ 862,930,585
Department of Energy	81.	$ 76,146,832
Department of Energy - Passthrough	81.	15,021,531
Department of Health and Human Services	93.	115,916,686
Department of Health and Human Services - Passthrough	93.	18,196,956
Federal Aviation Administration	20.	27,689,983
Miscellaneous Federal Government**	Various	13,948,928
Miscellaneous Federal Government - Passthrough	Various	4,263,063
National Aeronautics & Space Administration	43.	38,809,157
National Aeronautics & Space Administration - Passthrough	43.	8,124,785
National Oceanic & Atmospheric Administration	11.	5,368,426
National Science Foundation	47.	81,585,304
National Science Foundation - Passthrough	47.	16,142,418
Total Research and Development*	Appendix A	$ 1,284,144,654

* These programs include ARRA expenditures, which are detailed in Appendix A, B, and C.
** Includes Department of Education

The accompanying notes are an integral part of this schedule.

Federal Grantor/ Passthrough Grantor/ Program Title	Federal CFDA Number	Federal Expenditures
Student Financial Assistance Cluster Expenditures		
U.S. Department of Education Cluster:		
Grants:		
Pell	84.063	$ 3,549,332
Federal Supplemental Educational Opportunity	84.007	1,875,059
Federal Work Study	84.033	1,790,154
Federal Perkins Loan:	84.038	
New Loans		6,450,046
Ending Balance Outstanding From Prior Years		31,292,302
Loan Administrative Cost Allowance		420,510
William D. Ford Federal Direct Loan Program:	84.268	
Direct Subsidized and Unsubsidized Loans		11,270,449
Direct Plus Loan for Parents and for Graduate or Professional Students		7,276,018
Total Student Financial Assistance Cluster Expenditures		$ 63,923,870
Other Federal Expenditures:		
Department of Defense	Appendix B	$ 294,335
Department of Defense - Passthrough	Appendix C	4,891,308
Department of Energy	Appendix B	449,658
Department of Energy - Passthrough	Appendix C	471,217
Department of Health and Human Services	Appendix B	1,929,002
Department of Health and Human Services - Passthrough	Appendix C	131,480
Miscellaneous Federal Government**	Appendix B	2,712,426
Miscellaneous Federal Government - Passthrough	Appendix C	1,103,705
National Aeronautics & Space Administration	Appendix B	2,079,063
National Aeronautics & Space Administration - Passthrough	Appendix C	698,261
Total Other Federal Expenditures*		$ 14,760,455
Total Federal Expenditures		$ 1,362,828,979

* These programs include ARRA expenditures, which are detailed in Appendix A, B, and C.
** Includes Department of Education

The accompanying notes are an integral part of this schedule.

Massachusetts Institute of Technology
Notes to Schedule of Expenditures of Federal Awards
June 30, 2014

1. Basis of Presentation

The accompanying schedule of expenditures of federal awards and appendices A, B and C (the "Schedule") summarize the expenditures of the Massachusetts Institute of Technology (the "Institute") under programs of the federal government for the year ended June 30, 2014. Because the Schedule presents only a selected portion of the activities of the Institute, it is not intended to and does not present the financial position, changes in net assets and cash flows of the Institute. The accompanying appendices A, B, and C provide detail on the federal awards expended by the Institute.

For purposes of the Schedule, federal awards include all grants, contracts and similar agreements entered into directly between the Institute and agencies and departments of the federal government and all subawards to the Institute by nonfederal organizations pursuant to federal grants, contracts and similar agreements. The information in this schedule is presented in accordance with the provisions of Office of Management and Budget Circular A-133, *Audits of States, Local Governments, and Nonprofit Organizations.* Therefore, certain amounts presented in the Schedule may differ from amounts presented in, or used in preparation of, the consolidated financial statements. CFDA and pass-through numbers are provided when available. Negative amounts represent adjustments to amounts reported in prior years in the normal course of business.

2. Summary of Significant Accounting Policies for Federal Expenditures

Expenditures for direct costs are recognized as incurred using the accrual method of accounting and the cost accounting principles contained in OMB Circular A-21, *Cost Principles for Educational Institutions*. Under those cost principles, certain types of expenditures are not allowable or are limited as to reimbursement. Moreover, expenditures include a portion of costs associated with general Institute activities (facilities and administrative costs) which are allocated to awards under negotiated formulas commonly referred to as facilities and administrative rates.

The Institute receives funding from federal government agencies for sponsored research under government grants and contracts. These grants and contracts provide for reimbursement of indirect costs based on rates negotiated with the Office of Naval Research (ONR), the Institute's cognizant federal agency. The Institute's indirect cost reimbursements are based on fixed rates with carryforward of under or over recoveries.

The Defense Contract Audit Agency (DCAA) is responsible for auditing indirect charges to grants and contracts. The Institute has final audited rates through 2009 and negotiated fixed rates for indirect costs through the 2014 fiscal year.

3. Federal Student Loan Programs

The Federal Perkins Loan Program (CFDA #84.038) is administered directly by the Institute and balances and transactions relating to this program are included in the Institute's consolidated financial statements. The amount of Perkins loan principal cancelled during the 2014 fiscal year was $3,032 (CFDA #84.037).

The William D. Ford Federal Direct Loan Programs (CFDA #84.268) are not administered by the Institute and balances and transactions relating to these programs are not included in the Institute's consolidated financial statements.

4. Subrecipients

In the Research and Development cluster (Appendix A-1, Appendix A-2 and Appendix A-3), a total of $107,131,428 was passed-on to subrecipients.

For other programs (Appendix B and Appendix C), a total of $598,426 was passed-on to

Project Name	CFDA	Amount Passed to Subrecipients
Sathiska Pather_Mit Sea Grant_Knauss	11.417	$ 32,731
Can/National Needs Grant: Summer Of Innovation Pilot	43.000	23,611
Cite And Idin	98.001	542,084

Appendix A - Summary
Massachusetts Institute of Technology
Schedule of Expenditures of Federal Awards Federal Research Support
FY 14 Expenditures

Sponsor	Campus Direct (Appendix A-1)	Lincoln Direct (Appendix A-2)	Lincoln Passthrough (Appendix A-2)	Campus Passthrough (Appendix A-3)	Total
Department of Defense:					
Air Force	$ 13,970,259	$ 209,235,049	$ -	$ -	$ 223,205,308
Army	37,420,087	62,395,631	-	-	99,815,718
Classified	-	156,160,626	-	-	156,160,626
Defense Advanced Research Project Agency	9,555,196	37,695,371	-	-	47,250,567
Missile Defense Agency	-	62,115,605	-	-	62,115,605
National Security Agency	-	7,829,402	-	-	7,829,402
Navy	32,507,509	40,668,186	-	-	73,175,695
Other Department of Defense	2,033,228	162,899,358	-	-	164,932,586
Passthrough	-	-	630,138	27,814,940	28,445,078
Total Department of Defense	95,486,279	738,999,228	630,138	27,814,940	862,930,585
Department of Energy	73,509,946	2,636,886	80,821	14,940,710	91,168,363
Department of Health & Human Services	97,471,145	18,445,541	508,786	17,688,170	134,113,642
Federal Aviation Administration	-	27,689,983	-	-	27,689,983
Miscellaneous Federal Government:					
Department of Agriculture	6,190	-	-	-	6,190
Department of Commerce	2,596,035	-	-	-	2,596,035
Department of Education	578,188	-	-	-	578,188
Department of Interior	25,509	-	-	-	25,509
Department of Transportation	4,265,903	-	-	-	4,265,903
Other	4,368,770	2,108,333	-	-	6,477,103
Passthrough	-	-	-	4,263,063	4,263,063
Total Miscellaneous Federal Government	11,840,595	2,108,333	-	4,263,063	18,211,991
Nat'l Aeronautics & Space Administration	25,253,969	13,555,188	348,956	7,775,829	46,933,942
Nat'l Oceanic & Atmospheric Administration	-	5,368,426	-	-	5,368,426
National Science Foundation	81,585,304	-	402,620	15,739,798	97,727,722
Total Federal Sponsors	**$ 385,147,238**	**$ 808,803,585**	**$ 1,971,321**	**$ 88,222,510**	**$ 1,284,144,654**

Note for Appendices A-1, A-3, B and C details: Contracts without CFDA numbers were shown as ".CCC" in the CFDA# column.

Appendix A1
Massachusetts Institute of Technology
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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
DEPARTMENT OF DEFENSE				
Air Force				
Air Force	FA0550-14-1-0031	Categorical approach to agent interaction	12.800	79,564
Air Force	FA2386-10-1-4135	Intelligence in the Now: Robust Intelligence in Complex Domains	12.800	225,206
Air Force	FA2386-11-1-4074	Silicon nano-tips and related nano-systems involving fluid and carrier transport for miniaturized spacecraft power and sensing applications	12.800	35
Air Force	FA2386-12-1-3029	A DURIP Instrument to Characterize Water-Splitting Catalysts to Enable	12.800	81,217
Air Force	FA2386-13-1-3010	High Voltage Electron Gun and High Power Microwave System	12.800	325,545
Air Force	FA8650-11-1-7154	Nonparametric Representations for Integrated Inference, Central, and Sensing	12.910	1,865,074
Air Force	FA8651-13-1-0002	Dynamic Decision-Making and Coordination of Humans and Autonomous Agents Under Communication and Information Uncertainty	12.800	31,799
Air Force	FA8750-11-2-0225	Computing on Encrypted Data: Theory and Applications	12.300	580,699
Air Force	FA8750-12-1-0321	Assisted Perception, Planning and Control for Remote Mobility and Dexterous Manipulation	12.300	1,316,595
Air Force	FA8750-12-2-0110	Provably Safe Android Apps	12.800	1,839,717
Air Force	FA8750-14-2-0004	A General-Purpose Probabilistic Programming Platform with Effective Stochastic Interference	12.300	275,886
Air Force	FA8750-14-2-0120	Programmable Quantum Photonic Processor using Silicon Photonics	12.300	225
Air Force	FA9453-13-C-0279	Improved Multiple-Event Location Methods for Ground-Truth Collection	12.CCC	110,176
Air Force	FA9550-08-1-0379	MURI FY08: Membrane Technology and 3D Photonic-Crystal Devices	12.800	7,727
Air Force	FA9550-09-1-0363	Overmoded W-Band Traveling Wave Tube Amplifier	12.800	334,656
Air Force	FA9550-09-1-0420	Dynamics of Beliefs Culture and Social Interactions	12.800	273,397
Air Force	FA9550-09-1-0700	(Energy Harvesting)-Environmental Hydrocarbon Harvesting for Micro-scale Power	12.800	158,937
Air Force	FA9550-10-1-0412	Algorithms for Learning and Decision Making	12.800	13,991
Air Force	FA9550-10-1-0437	Data-Driven Online and Real-Time Combinational Optimization	12.800	25,713
Air Force	FA9550-10-1-0551	Advanced Technologies for Structural and Functional Optical Coherence Tomography	12.630	190,812

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
Air Force	FA9550-11-1-0011	PECASE Quantum Engineering of Strongly Correlated Matter with Ultracold Fermi Gases	12.630	236,306
Air Force	FA9550-11-1-0059	Advanced Nanostructures for Two-Phase Fluid and Thermal Transport	12.800	147,193
Air Force	FA9550-11-1-0134	Distributed Hybrid Information and Plan Consensu HIPC for Semi-autonomous UAV TEams	12.800	105,789
Air Force	FA9550-11-1-0141	Design Optimizations Simulation of Wave Propagation in Metamaterials	12.800	230,543
Air Force	FA9550-11-1-0150	An Optimization Framework for Air Force Logistics Models	12.800	211,267
Air Force	FA9550-11-1-0168	Lossy Information Exchange and Instantaneous Communication	12.800	133,939
Air Force	FA9550-11-1-0174	THERMAL REGULATION OF HEAT TRANSFER PROCESSES	12.800	274,962
Air Force	FA9550-11-1-0183	Stateless Networking: Principles, Architectures and Codes	12.800	144,120
Air Force	FA9550-11-1-0195	Plasma-Materials Interactions in Electric Propulsion	12.800	314,376
Air Force	FA9550-11-1-0199	Tu(r)ning Weakness to Strength: Mechanomutable Bioinspired Materials	12.800	118,729
Air Force	FA9550-11-1-0225	Quantum Transport and Optoelectronics in Gapped Graphene Nanodevices	12.800	44,817
Air Force	FA9550-11-1-0305	Statistical Models and Graph: Deconvolution via Incoherence	12.800	163,921
Air Force	FA9550-11-1-0312	The Value of Information in Distributed Desicion Networks	12.800	138,168
Air Force	FA9550-11-1-0339	Dynamic Data Driven Methods for Self-aware Aerospace Vehicles	12.800	378,076
Air Force	FA9550-12-1-0080	Phase-Sensitive Control of Molecular Dissociation Through Attosecond Pump/Strong-Field mid-IR Probe Spectroscopy	12.800	277,429
Air Force	FA9550-12-1-0129	Quantitative Analysis, Design, and Fabrication of Biosensing and Bioprocessing Devices in Living Cells	12.800	248,254
Air Force	FA9550-12-1-0259	Thin Film Self-Assembly of Globular Protein-Polymer Diblock Copolymers for Nanostructured Biofunctional Materials	12.800	127,510
Air Force	FA9550-12-1-0287	Statistical, Graphical, and Learning Methods for Sensing, Surveillance, and Navigation Systems	12.800	111,028
Air Force	FA9550-12-1-0292	YIP: Modular Paradigm for Scalable Quantum Information	12.800	91,764
Air Force	FA9550-12-1-0313	Fluid SLAM and the Robotic Reconstruction of Localized Atmospheric Phenomena	12.800	230,917
Air Force	FA9550-12-1-0328	Air Force Fiscal Year 2012 Young Investigator Research Program	12.800	133,040
Air Force	FA9550-12-1-0348	Robust Coordination of Autonomous Systems through Risk-sensitive, Model-based Programming and Execution	12.800	144,632
Air Force	FA9550-12-1-0357	Hybridized Multiscale Discontinuous Galerkin Methods for Multiphysics	12.800	72,871

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
Air Force	FA9550-12-1-0420	Model-based optimal experimental design for complex physical systems	12.800	182,845
Air Force	FA9550-12-1-0423	Efficient Algorithmic Frameworks via Structural Graph Theory	12.910	474,310
Air Force	FA9550-12-1-0499	Advanced Photonics: Science, Technologies and Applications	12.800	458,358
Air Force	FA9550-13-1-0023	Coding instead of splitting - algebraic combinations in time and space	12.800	103,729
Air Force	FA9550-13-1-0042	A Comprehensive Theory of Algorithms for Wireless Networks and Mobile Systems	12.800	101,871
Air Force	FA9550-13-1-0065	Automated Discovery of New Chemical Reactions and Accurate Calculation of Their Rates	12.800	80,359
Air Force	FA9550-13-1-0099	GEO Satellites as Space Weather Sensors	12.800	136,900
Air Force	FA9550-13-1-0159	High-Energy, Multi-Octave-Spanning Mid-IR Sources via Adiabatic Difference Frequency Generation	12.800	102,509
Air Force	FA9550-13-1-0193	Quantum Optics in Diamond Nanophotonic Chips	12.800	164,372
Air Force	FA9550-14-1-0035	Advanced Quantum Material - A New Frontier for Ultracold Atoms	12.800	11,643
Air Force	FA9550-14-1-0052	Optimal Measurements for Scalable Quantum Technologies	12.800	308,067
Air Force	FA9550-14-1-0060	(BRI FY14) Theory-based Engineering of Biomolecular Circuits in Living Cells	12.800	28,673
		Total for Air Force		**13,970,259**
Army				
Army	D12AP00077	Neurobiology of Narrative Influence in Inter-group Conflict	12.910	296,080
Army	D12AP00210	Modeling and Shaping Narrative Influence	12.910	351,907
Army	D13AP00008	Assessing and Monitoring Subtle and Cognititve Markers	12.910	199,866
Army	D13AP00025	Enabling Novel Chassis for Synthetic Biology via Rapid Field Assisted Genetic Transformation	12.91	290,590
Army	D13AP00045	Nanoparticle-Enabled Sensitivity of Specific Neurons to Alternating Magnetic Fields for Targeted Transcranial Magnetic Stimulation	12.910	232,773
Army	D13AP00048	A Disaster Response Robot Capable of Power Manipulation	12.91	115,512
Army	D13AP00050	Time, Energy and Momentum Resolved Probing of Ultrafast Dynamics in Quantum Materials	12.910	198,708
Army	D14AP00001	Harnessing Top-Down Systems Modeling and Simulation to Provide Context for Narratives	12.91	131,003
Army	W31P4Q-10-1-0005	COMPACT MECHANICAL AND ION PUMPING TO ACHIEVE HIGH VACUUM	12.910	600,171
Army	W31P4Q-12-1-0019	Quantum Secured Communications (QuSecComm)	12.910	378,793
Army	W31P4Q-13-1-0013	Hydraulic Actuation for Micro-Scale Robots (HAMR)	12.910	336,246

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
Army	W31P4Q-13-1-0014	HERMES : Highly Efficient Robotic Mechanisms and Electromagnetic systems	12.91	602,081
Army	W81XWH-09-1-0088	Studying Protein Synthesis-Dependent Synaptic Changes in Tuberous Sclerosis	12.420	267
Army	W81XWH-09-2-0143	Prosthetic knee-ankle-foot system with biomechatronic sensing, control, and power generation	12.420	1,109,326
Army	W81XWH-10-1-0290	T-Pharmacytes for Prostate Cancer Immunotherapy	12.420	-51
Army	W81XWH-10-1-0291	T-Pharmacytes for Prostate Cancer Immunotherapy	12.420	-6,296
Army	W81XWH-10-1-0292	T-Pharmacytes for Prostate Cancer Immunotherapy	12.420	1,678
Army	W81XWH-10-1-0370	Dev of a High-Content Neuronal Assay to Screen Therapeutics on the Indictment of Cognitive Disfunction in Autism Spectrum Disorders.	12.420	5,803
Army	W81XWH-11-1-0252	Role of Altered mGluR activity in Cognitive Impairments	12.420	141,171
Army	W81XWH-11-1-0676	Model-based, Noninvasive Monitoring of Intracranial Pressure	12.420	-20,830
Army	W81XWH-11-2-0179	PT100120: Using Real-Time Functional Imaging to Speed Recovery from TBI	12.420	401,092
Army	W81XWH-12-1-0432	Investigating the mechanism of K-RAS independent growth of murine pancreatic ductal adenocarcinoma in vitro and in vivo.	12.420	181,009
Army	W81XWH-12-2-0016	Post-Traumatic Stress Innovations: U.S. Military Enterprise Analysis	12.420	2,260,549
Army	W81XWH-13-1-0151	Nano-siRNA Particles and Combination Therapies for Ovarian Tumor Targeting	12.42	702,857
Army	W81XWH-13-1-0272	PC121018P1 Targeted Encapsulation and Internal Focusing for Circulating Tumor Cell Isolation	12.42	52,326
Army	W81XWH-13-1-0323	Developing Novel Therapeutic Approaches in small cell lung cancinoma using genetically engineered mouse models and human circulating tumor cells.	12.42	179,852
Army	W911NF-07-1-0139	Kinetics and Mechanisms of the Destruction of Toxic Agents by Recyclable Catalytic Nanoparticles as Decontamination Media	12.431	28,984
Army	W911NF-07-1-0493	Quantum Emulations of New Materials Using Ultracold Atoms	12.431	96,071
Army	W911NF-07-D-0004	Institute for Soldier Nanotechnologies	12.CCC	12,489
Army	W911NF07-D-0004, T.O. 2	Institute for Soldier Nanotechnologies	12.CCC	-13,839
Army	W911NF-07-D-0004, T.O. 3	Institute for Soldier Nanotechnologies	12.CCC	-472
Army	W911NF-07-D-0004, T.O. 4	Institute for Soldier Nanotechnologies	12.CCC	-8,698
Army	W911NF-07-D-0004, T.O. 5	Institute for Soldier Nanotechnologies	12.CCC	7,597
Army	W911NF-07-D-0004, T.O. 6	Institute for Soldier Nanotechnologies	12.CCC	2,459
Army	W911NF-07-D-0004, T.O. 7	Institute for Soldier Nanotechnologies	12.CCC	1,086
Army	W911NF-07-D-0004, T.O. 8	Institute for Soldier Nanotechnologies	12.CCC	59,908

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
Army	W911NF-07-D-0004, T.O. 9	Institute for Soldier Nanotechnologies	12.CCC	136,278
Army	W911NF-09-1-0222	Lattice Engineering of Noval Materials and Devices	12.431	165,333
Army	W911NF-09-1-0448	Measuring Collective Intelligence in Human-Machine Systems	12.431	31,057
Army	W911NF-09-1-0480	Nonlinear Analysis of Experimental Measurements 7.6. Theoretical Chemistry	12.431	21,096
Army	W911NF-09-1-0556	Game-Theoretic Models of Conflict Social Interactions	12.431	649
Army	W911NF-10-1-0059	New Treatments for Stress-induced Dysregulation of Circuits Regulating Reward, Fear and Habit Learning	12.431	1,847,246
Army	W911NF-10-1-0088	Asymmetric Multilevel Outphasing (AMO): A New Architecture for All-Silicon mm-Wave Transmitter ICs	12.431	741,377
Army	W911NF-10-1-0127	Multi-scale hierarchical and topological design of structures for failure resistence.	12.431	2,242
Army	W911NF-10-1-0430	Quantum Illumination-Based Target Detection and Discrimination	12.431	94,567
Army	W911NF-10-2-0049	Bilayer Graphene: Growth, Characterization and Devices	12.431	-19,346
Army	W911NF-10-2-0065	The Mind of the Mind's Eye	12.431	101,135
Army	W911NF-11-1-0096	Programmable Surfaces	12.431	37,731
Army	W911NF-11-1-0202	Optical-Transition Clocks With Microfabricated Frequency Combs For Performance Beyond the Standard Quantum Limit	12.431	1,080,386
Army	W911NF-11-1-0281	Biologically Patterned Amyloid Scaffolds for Multifunctional and Multiscale Materials	12.431	267,029
Army	W911NF-11-1-0331	Identification and Manipulation of Novel Topological Phases	12.431	200,083
Army	W911NF-11-1-0400	Multi-Qubit Enhanced Sensing and Metrology	12.431	1,718,082
Army	W911NF-11-2-0054	Multi-input, multimodal, mammalian information processing circuits	12.431	911,064
Army	W911NF-11-C-0101	Threat-Based Semi-Autonomous Operator Assistance Algorithms for Ground Vehicles	12.300	24,760
Army	W911NF-11-C-0201	Enabling Novel Minimally-Actuated Robotic Capabilities Through Active Fluids	12.CCC	-6,988
Army	W911NF-12-1-0210	Silicon Photonic 3D- Integrated Reduced Energy Transmission (SPIRET)	12.910	138,015
Army	W911NF-12-1-0290	Developing Novel Frameworks for Many-Body Ensembles	12.431	71,069
Army	W911NF-12-1-0306	China's Emerging Capabilities in Energy Technology Innovation and Development	12.431	58,611
Army	W911NF-12-1-0435	High Power Optical lattices for a Lithium-7 Quantum Simulator	12.431	10,715
Army	W911NF-12-1-0486	Quantum Algorithms where Physics and Math Meet	12.431	382,846
Army	W911NF-12-2-0039	Barrier?Immune?Organ: Microphysiology, Microenvironment Engineered Tissue Construct Systems (BIO?MIMETICS)	12.431	6,115,386

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
Army	W911NF-13-1-0031	New Forms of Matter in Optical Lattices	12.431	1,987,312
Army	W911NF-13-1-0063	Measurement and Analysis of Grandular Soil Beneath Lightweight Robotic Running Gear	12.431	112,691
Army	W911NF-13-1-0189	Strongly Correlated Quantum Gases of Atoms and Dipolar Molecules	12.431	255,669
Army	W911NF-13-1-0212	Fundamental Theory and Parallel Inference for Probabilistic Programming (10.3.1 Integrated Intelligence	12.431	232,081
Army	W911NF-13-1-0411	DURIP: A laser system for spin-dependent optical lattices and polar molecules	12.431	87,737
Army	W911NF-13-1-0422	How does unit size affect collective intelligence in online groups?	12.431	55,303
Army	W911NF-13-2-0047	Hybrid Graphene - MoS2 Structures for Advanced Electronics	12.431	81,857
Army	W911NF-13-D-0001, T.O. 1	ISN 3 FY'13 funding	12.431	734,467
Army	W911NF-13-D-0001, T.O. 2	ISN 3 FY'13 funding	12.431	1,398,391
Army	W911NF-13-D-0001, T.O. 3	ISN 3 FY'13 funding	12.431	969,341
Army	W911NF-13-D-0001, T.O. 4	ISN 3 FY'13 funding	12.431	1,217,561
Army	W911NF-13-D-0001, T.O. 5	ISN 3 FY'13 funding	12.431	1,849,087
Army	W911NF-13-D-0001, T.O. 6	ISN 3 FY'13 funding	12.431	761,441
Army	W911NF-13-D-0001, T.O. 7	ISN 3 FY'13 funding	12.431	1,069,016
Army	W911NF-13-D-0001, T.O. 8	ISN 3 FY'13 funding	12.431	1,742,578
Army	W911NF-13-D-0001, T.O. 9	ISN 3 FY'13 funding	12.431	1,052,702
Army	W911NF-14-1-0004	Personnel Fabrication	12.431	210,347
Army	W911NF-14-1-0014	Portable Retinal Imaging Device (Core Competency 1.3.4. - Infrared Detectors & Power Sources)	12.431	87,205
Army	W911NF-14-1-0037	Probing the Effects of Topography on Bedrock Fracture in the Shallow Subsurface	12.431	8,766
Army	W911NF-14-1-0087	PRECISION ASSEMBLY OF SYSTEMS ON SURFACES (PASS)	12.431	111,088
Army	W911NF-14-1-0205	Toward Theoretical Foundations of Resistive Force Theory of Granular-Structural Interaction, with Expansions to Flexible Locomotors: Research Area 11.1	12.431	5,688
Army	W911QY-12-1-0005	Functional Micro-Dispensers for Controlled Release of Low Toxicity Pesticides.	12.360	118,285
Army	W912HQ-09-C-0008	Passive PE Sampling of In Situ Remediation of Contaminated Sediments	12.431	77,147
Army	W912HQ-10-C-0005	Robust Means for Estimating Black Carbon-Water Sorption Coefficients of Organic Contaminants in Sediments	12.431	27,784
Army	W912HZ-12-C-0027	Modeling and Estimation of Terrain Properties from Proprioceptive and Exteroceptive Vehicle Sensor Data	12.CCC	37,503

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
Army	W912HZ-13-C-0036	Modeling and Estimation of Terrain Properties from Proprioceptive and Exteroceptive Vehicle Sensor Data	12.CCC	70,550
		Total for Army		**37,420,087**
DARPA				
DARPA	FA8650-11-C-7192	Cloud Intrusion Detection and Repair	12.CCC	1,479,053
DARPA	HR0011-07-1-0006	Integrally Packaged 3D Microbatteries	12.910	0
DARPA	HR0011-09-1-0048	Absolute Algebraic Geometry, Arithmetic Cohomology, and the Riemann Hypothesis	12.910	868
DARPA	HR0011-10-9-0009	The Angstrom Project: Universal Technologies for Exascale Computing	12.CCC	1,180,477
DARPA	HR0011-11-2-0008	Generalized Grounding Models for Robotic Language Acquisition	12.910	-142
DARPA	HR0011-11-C-0100	Memory System with Monolithic CMOS Photonic Networks for High-Performance, Energy-efficient Embedded Manycore Machines	12.CCC	1,398,372
DARPA	HR0011-12-1-0003	Living Foundries: Bio Fab Lab	12.190	59,978
DARPA	HR0011-12-1-0013	MIT PRIMES: Program for Research in Mathematics, Engineering, and Science for High School Students	12.910	70,540
DARPA	HR0011-12-2-0007	Ebrium Silicon Photonic Integrated Oscillator and RADAR (ESPIOR)	12.910	1,593,568
DARPA	HR0011-12-C-0067	Establishment of an MIT Foundry for Massively Multi-Part System Engineering	12.910	1,778,836
DARPA	HR0011-12-C-0068	Living Foundries: Synthetic Physiology: High-speed Closed-Loop Control of Synthetic Biology Systems	12.910	15,781
DARPA	HR0011-13-2-0005	Carbon: Embedded Organic Computing	12.910	1,049,695
DARPA	HR0011-13-2-0009	Membrane-Enhanced Evaporative Cooling for High Flux Thermal Management	12.910	510,552
DARPA	HR0011-14-2-0004	Multimodal Imaging and Multiscale Computational Modeling for the Functional Architecture of the Human Brain	12.91	292,257
DARPA	HR0011-14-C-0067	The MIT-Broad Foundry: TA1	12.CCC	22,088
DARPA	W911NF-12-1-0540	Competition for Shared Resources in the Cellular Chassis: Impact on Synthetic Circuits	12.431	103,272
		Total for DARPA		**9,555,196**
Navy				
Navy	MURI N00014-07-1-0749	MURI: Cognitively Compatible and Collaboratively Balanced Human-Robot Teaming in Urban Military Domains (Topic #8)	12.300	677,571
Navy	N00014-07-1-0230	Human Spervisory Control Models for Coman and Control of Unmanned Systems	12.300	34,865

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
Navy	N00014-07-1-0326	Oceanographic Variability and the Performance of Passive and Active Sonars in the Philippine Sea	12.300	218
Navy	N00014-08-1-0261	A Fluid Helmet Liner for Protection Against Blast Induced Traumatic Brain Injury	12.300	46,425
Navy	N00014-08-1-0826	DURIP: A Distributed System for Robust and Accurate Location-Awareness	12.300	15,630
Navy	N00014-08-1-1247	Information Theory for Bosonic Channels	12.300	258,792
Navy	N00014-09-1-0124	A Framework for Core Cognition	12.300	0
Navy	N00014-09-1-0282	Laboratory Modeling of Internal Wave Generation in Straits	12.300	50,410
Navy	N00014-09-1-0458	Collaborative Proposal: Studies of Stirring and Mixing at the Submesoscale in the Ocean	12.300	27,042
Navy	N00014-09-1-0591	Rate and Constraint Dependence of the Stress-Strain Behavior of Polyurea	12.300	78,030
Navy	N00014-09-1-0597	ECIR - Explorations in Cyber International Relations	12.300	1,258,056
Navy	N00014-09-1-0625	Integrating Global and Local Situational Awareness in Distributed Unmanned and Manned Ground Operations	12.300	415,758
Navy	N00014-09-1-0641	Autonomy for Micro Air Vehicles to Support Dismounted Marines	12.300	277,185
Navy	N00014-09-1-0676	Autonomous Marine Intelligent Swarming Systems for Interdisciplinary Observing Networks	12.300	128,912
Navy	N00014-09-1-0864	Exploring the Ultimate Limit of Transistor Technology	12.300	0
Navy	N00014-09-1-1051	SMart Adaptive Reliable Teams for Persustent Surveillance (SMARTS)	12.300	1,176,228
Navy	N00014-09-1-1063	Graphene Approaches to Terahertz Electronics (GATE)	12.300	1,043,991
Navy	N00014-09-1-1103	Intense Long Wavelength Irradiation of IED Energetic	12.300	307
Navy	N00014-09-1-1149	Computer Modeling/Simulation of Elastomeric Polymer-by-Design to Protect the Warfigher against Traumatic Brain Injury by Diverting the Blast Induced Shock Waves from the Head	12.300	-16,785
Navy	N00014-10-1-0562	PECASE: Merger of Structure and Material: Comparative Bottom-Up Analysis of Hierarchical Protein Materials	12.300	160,219
Navy	N00014-10-1-0630	Multiphase Turbulence Modeling for Computational Ship Hydrodynamics	12.300	60,458
Navy	N00014-10-1-0693	Fundamental Research to Support Direct Phase-Resolved Simulation of Nonlinear Ocean Wavefield Evolution	12.300	9,131
Navy	N00014-10-1-0758	Recruiting the Next Generation of Naval Architects	12.300	86,958
Navy	N00014-10-1-0759	Rex III/IV Unmanned Underwater Vehicle	12.300	-4,298
Navy	N00014-10-1-0843	Strongly Interacting Fermi Gases in Two Dimensions	12.300	5,253
Navy	N00014-10-1-0877	Experiments with Trapped Neutral Atoms	12.300	4,510

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
Navy	N00014-10-1-0951	Provably-Stable Vision-Based Control of High-Speed Flight through Forest and Urban Environments	12.300	1,506,675
Navy	N00014-10-1-0957	TAWG participation and electron beam diagnostic design	12.300	44,283
Navy	N00014-11-1-0053	Algorithms for Combinatorial Optimization through Rounding	12.300	60,845
Navy	N00014-11-1-0056	Stochastic Optimization, Approximation Algorithms, and Computing Equilibria	12.300	67,121
Navy	N00014-11-1-0064	A Unified Approach to Passive and Active Ocean Acoustic Waveguide Remote Sensing	12.300	514,941
Navy	N00014-11-1-0097	GOATS '11: Adaptive and Collaborative Exploitation of 3-Dimentional Environmental Acoustics in Distributed Undersea Networks	12.300	76,773
Navy	N00014-11-1-0212	New Technologies through Computational Materials Design	12.300	135,973
Navy	N00014-11-1-0337	Active Transfer Learning For Ocean Modeling	12.300	191,903
Navy	N00014-11-1-0397	Network Localization and Navigation in GPS-Challenged Environments	12.300	275,682
Navy	N00014-11-1-0486	MOOS-IvP Autonomous Decision Making Using Multi-Objective Optimization	12.300	51,602
Navy	N00014-11-1-0545	Investigation of droplet size distribution generated by unsteady, turbulent sheet breakup	12.300	81,099
Navy	N00014-11-1-0598	CFD Methods for seakeeping and propeller analysis of swath hull forms	12.300	-54,091
Navy	N00014-11-1-0657	A New Enviornmentally Sound Technology for Metals Extraction: a Technical Feasibility Study of Rare-Earth Metal Production by Molten Oxide Electrolysis	12.300	178,923
Navy	N00014-11-1-0687	Engineering Multifunctional and Multiscale Nanomaterials with Synthetic Biology	12.300	42,753
Navy	N00014-11-1-0688	Nonparametric Bayesian Models to Represent Knowledge and Uncertainty for Decentralized Planning	12.300	1,229,924
Navy	N00014-11-1-0713	A Certified Reduced Basis Element Method for Interactive and Reliable Design and Parameter Estimation	12.300	298,782
Navy	N00014-12-1-0020	Robust and Persistent Feature-based Navigation for Multiple AUVs	12.300	12,388
Navy	N00014-12-1-0033	Online and Dynamic Optimization Under Uncertainty	12.300	154,766
Navy	N00014-12-1-0050	Vector Sensor Array Signal Processing	12.300	136,873
Navy	N00014-12-1-0064	Control of Heterogeneous Wireless Networks: From Theory to Practice	12.300	127,654
Navy	N00014-12-1-0071	Prospective Human-Guided Teleautonomy for Agile Mobility and Dexterous Manipulation	12.300	741,153
Navy	N00014-12-1-0093	Extended Capabilities for the HAUV Ship-Inspection Vehicle	12.300	247,774

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
Navy	N00014-12-1-0096	Fundamental understanding of oxygen reduction and evolution electrocatalysis on perovskites and development of bifunctional electrodes for rechargeable Li-air batteries	12.300	-3,389
Navy	N00014-12-1-0128	Joint US-Norway Ocean Acoustic Experiments in the Nordic Seas Waters of the Arctic Circle	12.300	387,842
Navy	N00014-12-1-0411	ONR Graduate Traineeship Award in Ocean Acoustics for Ankita Deepak Jain	12.300	49,755
Navy	N00014-12-1-0458	Programmable Synthetic Combinatorial Sensors in Bacteria	12.300	85,351
Navy	N00014-12-1-0521	A New Technology for Metals Extraction: High-temperature electrolysis of Molten Sulfide/Oxide Electrolysis for Molybdenum and Rhenium Extraction	12.300	61,763
Navy	N00014-12-1-0530	Direct real-time measurement of energetic materials under dynamic shock loading	12.300	180,994
Navy	N00014-12-1-0621	Computer-Aided Engineering for Nucleic Acid-Based Nanotechnology	12.300	137,857
Navy	N00014-12-1-0624	Advanced Nanoengineered Thermal Management Devices	12.300	262,406
Navy	N00014-12-1-0665	Characterizing Surface Transport Barriers in the East Sea of Vietnam	12.300	141,206
Navy	N00014-12-1-0784	Proposal for MIT Reef Explorer III Unmanned Underwater Vehicle and Unmanned Surface Vehicle to DoD DURIP FY2012	12.300	85,993
Navy	N00014-12-1-0915	Ultra-High Performance ADCs in GaN	12.300	210,947
Navy	N00014-12-1-0928	DURIP: An Optical Lattice Quantum Simulator with Hundredfold Increased Clock Rate	12.300	77,364
Navy	N00014-12-1-0944	Stochastic Forcing for Ocean Uncertainty Predictions	12.300	17,961
Navy	N00014-12-1-0959	Low Dimensionality Transistors for High Performance Electronics	12.300	210,776
Navy	N00014-12-1-0999	Decentralized online optimization in multi-agent systems in dynamic and uncertain environments	12.300	204,370
Navy	N00014-12-1-1000	persistent Decentralized Online Tasks (pDOT): An Online Optimization Approach to Multi-Agent Persistent Monitoring in Uncertain Environments	12.300	104,339
Navy	N00014-13-1-0059	PhD Student Support on Prediction and Cancellation of Vortex Induced Vibrations of Towed Cables	12.300	36,788
Navy	N00014-13-1-0074	Next-generation Genetic Devices: Model-guided Discovery and Optimization of Navy-relevant Cell-based Sensors	12.300	1,359,015
Navy	N00014-13-1-0213	Nanostitched Composites with Improved Interlaminar and Intralaminar Strengths for Advanced Airframes in Sea-based Aviation	12.300	117,849
Navy	N00014-13-1-0260	Categorical Informatics	12.300	196,476

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
Navy	N00014-13-1-0301	Exchange interaction at the interface in Dirac systems and organic radicles Understanding the phenomenon towards its utilization	12.300	227,314
Navy	N00014-13-1-0332	Hybrid Planing Hulls for Reduced Powering Demand and Increased Seakeeping Performance	12.300	151,191
Navy	N00014-13-1-0333	Probabilistic Programming and Computational Cognitive Science	12.300	246,667
Navy	N00014-13-1-0352	Quantifying the Dynamic Ocean Surface Using Underwater Radiometric Measurements	12.300	171,121
Navy	N00014-13-1-0398	Underway Wireless Recharging of AUVs	12.300	205,226
Navy	N00014-13-1-0403	Inversion, uncertainties, and multiple scattering in synthetic aperture radar/sonar	12.300	169,372
Navy	N00014-13-1-0424	Ultra-High-Throughput Design and Optimization of Sense-and-Actuate Circuits in Marine and Soil Bacteria	12.300	254,188
Navy	N00014-13-1-0447	Quantifying Breaking-Wave Dissipation Using Nonlinear Phase-Resolved Wavefield Simulations	12.300	165,627
Navy	N00014-13-1-0487	Continuation of Oceanographic Variability and the Performance of Passive and Active Sonars in the Philippine Sea	12.300	113,221
Navy	N00014-13-1-0509	Terahertz-Driven Energetic Material Decomposition	12.300	230,384
Navy	N00014-13-1-0518	Multiscale Data Assimilation	12.300	86,671
Navy	N00014-13-1-0588	Performance Analysis of Feature-Based Navigation in Dynamic Environments	12.300	193,659
Navy	N00014-13-1-0610	Quantum Transport and Optoelectronics in Atomically Layered Materials	12.300	118,092
Navy	N00014-13-1-0623	VAMPIRE II: Accessing a life-blood of information for acoustic signature assessment and condition-based maintenance	12.300	144,493
Navy	N00014-13-1-0647	Biologically Inspired Engineering of Underwater Adhesives with Synthetic Biology	12.300	217,375
Navy	N00014-13-1-0664	High Performance Computing for Nucleic Acid Nanotechnology	12.300	313,969
Navy	N00014-13-1-0676	Direct Real-time Measurement of Energetic Materials Under Dynamic Shock Loading	12.300	393,097
Navy	N00014-13-1-0710	Human-Guided Teleautonomy for Remote Mobility and Dexterous Manipulation	12.300	212,062
Navy	N00014-13-1-0774	Quantum-Secured Communication for the Maritime Environment	12.300	553,534
Navy	N00014-13-1-0834	Adjoint Equations Methods for Full Parametric Optimization of Ship Hull Forms with Free Surface BEMs and Gradient-Accelerated Optimization Algorithms	12.300	19,497

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
Navy	N00014-13-1-0878	METANORM- A Multidisciplinary Approach to the Analysis and Evaluation of Norms and Models of Governance for Cyberspace	12.300	255,625
Navy	N00014-14-1-0006	Defeating Code Resue Attacks Using Minimal Hardware Modifications	12.300	26,579
Navy	N00014-14-1-0062	Hurricane Outflow Criticality: Observational Tests and Effect on Hurricane Structure and Intensity	12.300	7,933
Navy	N00014-14-1-0072	Optimization over combinatorial optimization polytopes	12.300	29,815
Navy	N00014-14-1-0073	Practical, Fast, and Approximate Algorithms for Discrete Optimization Problems	12.300	38,149
Navy	N00014-14-1-0135	Mechanistic Study and Modeling of Air Entrainment and Bubbly Flow in Ship Wakes	12.300	113,345
Navy	N00014-14-1-0138	Fundamental Mechanics of Joints and Assemblies of Long Aligned Carbon Nanotubes	12.300	63,300
Navy	N00014-14-1-0166	ESRDC - DESIGNING AND POWERING THE FUTURE FLEET	12.300	155,572
Navy	N00014-14-1-0191	A Unified Approach to Passive and Active Ocean Acoustic Waveguide Remote Sensing	12.300	52,154
Navy	N00014-14-1-0214	GOATS '14: Adaptive and Collaborative Exploitation of 3-Dimentional Environmental Acoustics in Distributed Undersea Networks	12.300	84,861
Navy	N00014-14-1-0272	Superconductor armature winding for high performance electrical machines	12.300	42,028
Navy	N00014-14-1-0282	Design and Metrology Support for High Power Fault Testing Systems	12.300	4,007
Navy	N00014-14-1-0349	Hybrid Graphene-Silicon Photonic Devices for Signal Processing and Imaging	12.300	1,834
Navy	N00014-14-1-0524	Flow Structure Interaction of a Dam-Break Wave Impinging on Flexible Plate	12.300	2,292
Navy	N00014-14-1-0609	Computer-Aided Engineering for Nucleic Acid-Based Nanotechnology	12.300	66,865
Navy	N00173-13-2-C009	Stochastic Forcing for Environmental Error and Probabilistic Estimation	12.300	100,341
Navy	N00189-08-C-Z104	Engineering Support for the Interagency Mark IV Correlator and Recorder Hardware	12.CCC	73,275
Navy	N00189-10-C-Z079	Next Generation Geodetic-VLBI Signal Processing Chain for the USNO Kokee/Kauai Antenna	12.CCC	195,754
Navy	N00244-09-1-0064	Natural Armor: An Untapped Encyclopedia of Engineering Designs for Protective Defense Applications	12.300	566,797
Navy	N00244-12-1-0060	Affordability Trade-offs Under Uncertainty using Epoch-Era Analysis	12.300	20,978

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
Navy	N00244-14-1-0018	Program and Portfolio Affordability Tradeoffs Under Uncertainty Using Epoch-Era Analysis	12.300	20,192
Navy	N66001-09-1-2028	Entanglement Transfer and Processing with Photons Interconnecting Atomic and Trapped Ion Ensembles	12.910	-6,242
Navy	N66001-10-1-4041	Looking around corners using Transient Imaging	12.910	-33,064
Navy	N66001-10-1-4046	DARPA Young Faculty Award: Multi-GHz Acoustic Resonance in Transistors	12.910	-2,136
Navy	N66001-10-1-4047	DARPA Young Faculty Award: Nanoengineered Surfaces for Ultra High Heat Flux Thermal Management	12.910	-2,998
Navy	N66001-10-1-4062	The Fly Quantum Sensor	12.910	695,960
Navy	N66001-10-1-4063	Quantum Coherence and Decoherence in Molecular Biosensors	12.910	97,550
Navy	N66001-10-2-4089	CANDOR: Clean-Slate System Integrity using Selective Redot	12.910	1,514,694
Navy	N66001-11-1-4164	Fast-Pulsed High-Current Cold Cathodes with Temporal & Spatial Uniformity	12.910	10,092
Navy	N66001-11-1-4182	Continuous Monitoring and Separation of Blood for Mitigation of Sepsis	12.910	477,712
Navy	N66001-11-1-4192	CUBIX - Coherent Ultrabright Inverse Compton Scattering X-Ray Sources	12.910	1,388,974
Navy	N66001-11-C-4147	Compact, On-Demand Continuous Flow Manufacturing of Pharmaceuticals	12.910	922,654
Navy	N66001-12-1-4212	Field Emission Arrays for Dynamic Pattern Generation	12.910	451,188
Navy	N66001-12-1-4242	High-fidelity Mapping from Specification to Fabrication	12.910	107,795
Navy	N66001-12-C-0082	Accountable Information Usage in Distributed Information Sharing Environments	12.CCC	287,994
Navy	N66001-12-C-4016	Synthetic Single-Invertase Memory Modules for Persistent Biological Encoding	12.CCC	514,975
Navy	N66001-12-C-4187	Redundant Safety Switches for the Environmental Confinement of Engineered Organisms	12.CCC	-48
Navy	N66001-13-1-4022	Complete Si-GaN Circuits+MEMS Integration	12.910	536,827
Navy	N66001-13-1-4027	Chip Intergrated Timing and Inertial Measurement	12.910	121,768
Navy	N66001-13-C-4025	Integrated and Scalable Cyto-Technologies (INSCyT) for Flexible Microbial Manufacturing	12.91	3,453,141
Navy	N66604-14-P-0495	Basic Research into Development of a Measurement Method for Sensing Details of a Body-Enclosing Cavity	12.CCC	17,894
		Total for Navy		**32,507,509**
Other DOD				
Other DOD	H98230-14-1-0109	Non-local Lie conformal algebras and integrable systems	12.901	29,486

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
Other DOD	HDTRA1-10-1-0001	DTRA Phase II Proposal #BRBAA08-Per2-C-1-0098	12.351	124,646
Other DOD	HDTRA1-11-1-0062	Powder Processing of Amorphous Tungsten-Bearing Alloys Composites	12.351	354,191
Other DOD	HDTRA1-12-1-0008	Blast Wave Manipulation Using Hierarchical Metamaterial Stuctures	12.351	340,481
Other DOD	HDTRA1-12-1-0044	Intense Terahertz Fields for Fast Energy Release	12.351	187,684
Other DOD	HDTRA1-13-1-0001	Evaluation of Radiation-Induced Photonic Defects in Si, Ge, Chalcogenides and Polymers	12.351	451,876
Other DOD	HDTRA1-13-1-0038	Nucleopore Membrane Mimics As Selective Filters for Biological Agents	12.351	377,975
Other DOD	HDTRA1-14-1-0007	Engineered Autonomous Distributed Circuits for Adaptive Threat Elimination	12.351	166,890
		Total for Other DOD		**2,033,228**
		TOTAL for Department of Defense		**95,486,279**

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
DEPARTMENT OF ENERGY				
DOE	2F-33101	CFD simulations of unsteady mixing phenomena	81.CCC	20,513
DOE	4F-30121	Technologies and Concepts to Reduce the US Dependence on Imported Petroleum and Emission of Greenhouse Warming Pollutannts	81.CCC	46,199
DOE	9F-32142	Polymer Electrolyte Fuel Cell Lifetime Limitations: The Role of Electrocatalyst Degradation	81.CCC	-508
DOE	B600100	High Density Implosions on the National Ignition Facility	81.CCC	425,380
DOE	B601821	Structurally Robust Materials with Ultra-Low Thermal Expansion via Designed Microscale Architectures (Phase II)	81.CCC	156,524
DOE	B602126	Chemical Threat Responsive Carbon Nanotube Membranes	81.CCC	326,755
DOE	B603090	Study of ionic transport in TlBr and its impact on electrode performance	81.CCC	70,300
DOE	B608180	Study of Point Defects in TlBr and Their Impact on Device Lifetime	81.CCC	24,984
DOE	DE-AR0000047	ARRA - Electroville: High-Amperage Energy Storage Device-Energy Storage for the Neighborhood (ARPA-E) Recovery Act	81.135	1,255
DOE	DE-AR0000056	ARRA - Engineering Ralstonia eutropha for Production of Isobutanol (IBT) Motor Fuel from Carbon Dioxide	81.135	126,895
DOE	DE-AR0000059	ARRA - Bioprocess and Microbe Engineering For Total Carbon Utilization in Biofuel Production	81.135	284,973
DOE	DE-AR0000065	ARRA - Semi-Solid Rechargeable Power Sources: Flexible, High Performance Storage for Vehicles at Ultra-low Cost	81.135	417,526
DOE	DE-AR0000123	ARRA - Advanced Technologies for Integrated Power Electronics	81.135	556,932
DOE	DE-AR0000180	Hybrid nanostructures for high-energy-density solar thermal fuels	81.135	727,960
DOE	DE-AR0000181	Metallic Composites Phase-Change Materials for High-Temperature Thermal Energy Storage	81.135	432,668
DOE	DE-AR0000185	Advanced Thermo-Adsorptive Battery Climate Control System (ATB)	81.135	1,065,146
DOE	DE-AR0000294	Scalable, self-powered purification technology for brackish and heavy metal-contaminated water	81.135	555,250
DOE	DE-AR0000321	Compact, Inexpensive Micro-Reformers for Distributed GTL Systems	81.135	366,747
DOE	DE-AR0000433	Engineering high yield pathways for methane activation and conversion to liquid fuels	81.135	202,553

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
DOE	DE-AR0000472	Spectrum Splitting for High-Efficiency Photovoltaic and Solar Thermal Energy Generation	81.135	4,337
DOE	DE-EE0002743	ARRA - Recovery Act: Decision Analysis for Enhanced Geothermal Systems	81.087	25,539
DOE	DE-EE0005320	Scalable High-Efficiency Thin-Crystalline Si Cells Enabled by Light Trapping Nanostructures	81.087	227,741
DOE	DE-EE0005329	Next-Generation Sulfide Materials: Optimizing CZTS and Developing SnS by Systematic Defect Engineering	81.087	479,337
DOE	DE-EE0005444	High Compression Ratio Turbo Gasoline Engine Operation Using Alcohol Enhancement	81.086	218,141
DOE	DE-EE0005445	Lubricant Formulations to Enhance Engine Efficiency in Modern Internal Combustion Engines	81.086	494,923
DOE	DE-EE0005756	Continuous Processing of High Thermal Conductivity Polyethylene Fibers and Sheets	81.086	297,361
DOE	DE-EE0005806	Concentrated Solar Thermoelectric Power	81.087	567,165
DOE	DE-EE0006131	Evaluating the causes of photovoltaics cost reduction: Why is PV different?	81.087	123,504
DOE	DE-EI0001908	Understanding Energy Demand in China's Future Transportation System	81.089	92,935
DOE	DE-FC02-01ER54648	Center for Simulation of Wave Plasma Interactions	81.049	276,684
DOE	DE-FC02-04ER54802	Center for Extended Magnetohydrodynamic Modeling	81.049	99,284
DOE	DE-FC02-08ER54966	Center for the Study of Microturbulence	81.049	86,407
DOE	DE-FC02-08ER54969	Center for Extended Magnetohydrodynamics Modeling	81.049	54,871
DOE	DE-FC02-93ER54186	D&T Parent	81.049	939,711
DOE	DE-FC02-94ER40818	Laboratory for Nuclear Science (Nuclear Physics)	81.049	5,746,997
DOE	DE-FC02-99ER54512	Alcator C-Mod	81.049	14,433,807
DOE	DE-FC02-99ER54512@2005300	ARRA - Alcator C-Mod	81.049	12,963
DOE	DE-FE0002041	ARRA - Recovery Act: Modeling and Risk Assessment of CO2 Sequestration at the Geologic-basin Scale	81.133	-13,260
DOE	DE-FE0004271	Integrated Electrochemical Processes for CO2 Capture and Conversion to Commodity Chemicals	81.089	-8,958
DOE	DE-FE0009738	Enhanced Simulation Tools to Improve Predictions and Performance of Geologic Storage: Coupled Modeling of Fault Poromechanics, and High-Resolution Simulation of CO2 Migration and Trapping	81.133	204,825
DOE	DE-FE0013999	Fate of Methane emitted from dissociating marine hydrates: Modeling, Laboratory and Field constraints	81.133	89,982
DOE	DE-FG02-00ER15087	Ultrafast Coherent Soft X-Rays: A Novel Tool for Spectroscopy of Collective Behavior in Complex Materials	81.049	191,332

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
DOE	DE-FG02-02ER45977	Heat Conduction in Nanowire Structures	81.049	129,493
DOE	DE-FG02-03ER46076	Strongly Corregated Electronic Systems: Local Moments and Conduction Electrons	81.049	150,781
DOE	DE-FG02-03-ER54700	Physics of High Energy Plasmas	81.049	403,735
DOE	DE-FG02-04ER46134	Establishing a United Effort to Crystal Growth, Neutron Scattering, and X-ray Scattering Studies of Novel Correlated Electronic Materials	81.049	18,222
DOE	DE-FG02-04ER46149	Self-Assembling Biological Springs Force Transducers on the Micron Nanoscale	81.049	132,690
DOE	DE-FG02-05ER41360	Laboratory for Nuclear Sciennce - High Energy Physics Program	81.049	7,016,860
DOE	DE-FG02-06ER54891	Interactions of a Flowing Plasma with a Collecting Sphere	81.049	2,748
DOE	DE-FG02-07ER15839	Experimental investigation of flow-induced fabrics in rocks at upper-mantle pressures: Application to understanding mantle dynamics and seismic anisotropy	81.049	62,590
DOE	DE-FG02-07ER46454	Probing nanocrystal electronic structure and dynamics in the limit of single nanocrystals	81.049	322,137
DOE	DE-FG02-07ER46474	High Efficiency Biomimetric Organic Solar Cells	81.049	191,365
DOE	DE-FG02-08ER25858	Large-Scale Optimization for Bayesian Inference in Complex Systems	81.049	-531
DOE	DE-FG02-08ER46488	Self Assembly & Self-Repair of Novel Photosynthetic Reaction Center/Single Walled Carbon Nanotube Complexes for Solar Energy Conversion	81.049	78,391
DOE	DE-FG02-08ER46514	Novel Temperature Limited Tunneling Spectroscopy of Quantum Hall Systems	81.049	171,179
DOE	DE-FG02-08ER46515	Measurement of Single Electronic Charging of Semiconductor Nano-Crystal	81.049	217,892
DOE	DE-FG02-08ER46521	Ultrafast Electronic and Structural Dyamics in Complex Materials	81.049	153,530
DOE	DE-FG02-09ER46556	Optics for Advanced Neutron Imaging	81.049	284,044
DOE	DE-FG02-86ER13564	Catalysts for the Living Polymerizations of Olefins	81.049	171,651
DOE	DE-FG02-87ER13671	Spectroscopic and Dynamical Studies of Highly Energized Small Polyatomic Molecules	81.049	182,324
DOE	DE-FG02-90ER45429	Neutron and X-Ray Scattering Studies of Kinetic Glass Transition in Colloidal Systems	81.049	377,602
DOE	DE-FG02-91ER40648	Task A High Gradient Acceleration	81.049	-1,546
DOE	DE-FG02-91ER54109	APTT Parent	81.049	1,148,633
DOE	DE-FG02-94ER40818	Laboratory for Nuclear Science (Nuclear Physics)	81.049	69,958
DOE	DE-FG02-94ER54235	APTE Parent	81.049	290,082

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
DOE	DE-FG02-94ER61937	An Integrated Framework for Climate Change Assesment	81.049	1,323,723
DOE	DE-FG02-96ER45571	First Principles Determination of Structure, Thermodynamics, and Transport in Metals and Oxides	81.049	225,058
DOE	DE-FG02-97ER14760	Evolution of Pore Structure and Permeability of Rocks Under Hydrothermal Conditions	81.049	416,544
DOE	DE-FG02-98ER14914	Computer-Aided Construction of Chemical Kinetic Models	81.049	-3,645
DOE	DE-FG02-99ER14988	Structural Dynamics in Complex Liquids Studied with Multidimensional Vibrational Spectroscopy	81.049	41,629
DOE	DE-FG02-99ER15004	Physics of Channelization: Theory, Experiment, and Observation	81.049	207,841
DOE	DE-FG02-99ER54525	PROPAGATION AND DAMPING OF HIGH HARMONIC FAST WAVES AND ELECTRON CYCLOTRON WAVES IN THE NSTX-U-DEVICE	81.049	52,179
DOE	DE-FG02-99ER54563	Fast Particle-wave Interaction and Alfven Eigenmodes in the JET Tokamak Plasma	81.049	100,035
DOE	DE-NA0001523	3D Variations in Seismic Wavespeed and Mass Density in the Crust and Upper Mantle of SE Asia from Joint Inversion of Seismic and Gravity Data	81.CCC	204,146
DOE	DE-NA0001857	HEDLP Studies of Fields, Matter, Transport, Nuclear Physics, and ICF with New Diagnostics at the NIF and Omega/Omega-EOP	81.112	642,140
DOE	DE-NA0002035	Studies of high-energy-density plasmas, inertial-confinement-fusion implosions, and nuclear science for astrophysics	81.112	198,622
DOE	DE-NE0000322	General Scientific Infrastructure Support	81.121	113,762
DOE	DE-NE0000460	Infrastructure Upgrade (Minor) to the MITR Research Reactor in Support of Operational Safety	81.121	69,634
DOE	DE-NE0000682	NEUP Reactor Upgrades: Infrastructure Upgrade (Minor) to MITR Research Reactor	81. 121	72,365
DOE	DE-NT004117	Chemistry of SOFC Cathode Surfaces: Fundamental Investigation and Tailoring of Electronic Behavior	81.089	9,358
DOE	DE-SC0001088	ARRA - Recovery Act - Center for Excitonics - EFRC - Parent	81.049	4,050,676
DOE	DE-SC0001299	Solid-State Solar-Thermal Energy Conversion Center (S3Tec Center)	81.049	51,750
DOE	DE-SC0001299/ DE-FG02-09ER46577	Solid-State Solar-Thermal Energy Conversion Center (S3Tec Center)	81.049	3,578,967
DOE	DE-SC0002060	ARRA - TAS::89 0227::TAS RECOVERY ACT - PLASMA SCIENCE CENTER BRIDGING THE PSI KNOWLEDGE.GAP	81.049	369,918
DOE	DE-SC0002517	Large-Scale Optimization for Bayesian Inference in Complex Systems	81.049	11,193
DOE	DE-SC0002626	Electrochemically-Driven Phase Transitions in Battery Storage Compounds	81.049	171,402

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
DOE	DE-SC0002633	SISGR: Chemomechanics of Far-From Equilibrium Interfaces	81.049	1,222,582
DOE	DE-SC0003564	ARRA - TAS::89 0227::TAS Recovery Act - Analysis and Reduction of Complex Networks under Uncertainty	81.049	39,566
DOE	DE-SC0003906	ARRA - TAS:89 0227::TAS Recovery Act - Methods for Decision under Technological Change Uncertainty and Risk Assessment for Integrated Assessment of Climate Change	81.049	235,033
DOE	DE-SC0003907	ARRA - TAS:89 0227::TAS Recovery Act - Nonequilibrium Physics and Phase-Field Modeling of Multiphase Flow in Porous Media	81.049	136,309
DOE	DE-SC0003908	ARRA - TAS:89 0227::TAS Recovery Act - Predictive Modeling of Complex Physical Systems: New Tools for Uncertainty Quantification, Statistical Inference	81.049	116,946
DOE	DE-SC0005262	Key Laser Technologies for X-ray FELs	81.049	9,630
DOE	DE-SC0005288	ZettaBricks: A Language Compiler and Runtime System for Anyscale Computing	81.049	289,127
DOE	DE-SC0005372	Software Synthesis for High Productivity Exascale Computing	81.049	113,190
DOE	DE-SC0005712	Development of a Polarized 3He Ion Source for RHIC	81.049	-509
DOE	DE-SC0005807	High Intensity Polarized Gun	81.049	-82
DOE	DE-SC0006389	Interpreting New Data from the High Energy Frontier	81.049	168,247
DOE	DE-SC0006418	Quantum Transport in Topological Insulator Nanoelectronic Devices	81.049	124,461
DOE	DE-SC0006419	Electron Temperature Fluctuation Measurements and Transport Model Validation at Alcator C-Mod	81.049	136,045
DOE	DE-SC0006423	Optical Manipulation and Detection of Emergent Phenomena in Topological Insulators	81.049	266,643
DOE	DE-SC0006544	The Electron Diffusion Region in 3D Spontaneous Magnetic Reconnection	81.049	198,231
DOE	DE-SC0006937	Electronic and Ionic Conductors from Ordered Microporous Materials	81.049	255,155
DOE	DE-SC0007099	Quantification of Uncertainty in Extreme Scale Computations (QUEST)	81.049	127,904
DOE	DE-SC0007106	Thermodynamics of Self-Assembly in Globular Protein-Polymer Conjugates	81.049	261,220
DOE	DE-SC0007114	Collaborative Research: Quantifying Climate Feedbacks of the Terrestrial Biosphere under Thawing Permafrost Conditions in the Arctic	81.049	135,620
DOE	DE-SC0007883	Nonlinear and Extended MHD Plasmas	81.049	99,854
DOE	DE-SC0008059	Graphene Membranes with Tunable Nanometer-Scale Pores	81.049	165,136
DOE	DE-SC0008060	Predicting Ice Sheet and Climate Evolution at Extreme Scales (PICEES)	81.049	147,967

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
DOE	DE-SC0008435	Spontaneous Generation of Rotation in Tokomak Plasmas	81.049	24,840
DOE	DE-SC0008736	Automated Metadata, Provenance Cataloging and Navigable Interfaces: Ensuring the Usefulness of Extreme-Scale Data	81.049	168,647
DOE	DE-SC0008737	Partnership for Edge Physics Simulation	81.049	105,273
DOE	DE-SC0008739	Unconventional Metals in Strongly Correlated Systems	81.049	106,990
DOE	DE-SC0008740	Development of a Polarized 3He Ion Source for RHIC	81.049	103,968
DOE	DE-SC0008741	High Intensity Polarized Electron Gun	81.049	189,752
DOE	DE-SC0008742	Lewis Acid Pairs for the Activation of Biomass-derived Oxygenates in Aqueous Media	81.049	177,722
DOE	DE-SC0008743	Assembling Resuable Genetic Modules for Efficient Biofuel Production from Marine Macroalgae	81.049	1,559,710
DOE	DE-SC0008744	Optimizing oil production in oleaginous yeast by cell-wide measurements and genome-based models.	81.049	1,004,708
DOE	DE-SC0008766	Computing Properties of Hadrons, Nuclei and Nuclear Matter from Quantum Chromodynamics	81.049	278,979
DOE	DE-SC0008923	CAP3: A Computer Aided Performance Programming Platform	81.049	2,134,407
DOE	DE-SC0008926	Inferring grain boundary properties from measurements on grain boundary networks	81.049	298,309
DOE	DE-SC0009297	DiaMonD: An Integrated Multifaceted Approach to Mathematics at the Interfaces of Data, Models, and Decisions	81.049	583,501
DOE	DE-SC0009833	Development of an accelerator-based diagnostic for plasma-facing surfaces in magnetic confinement devices	81.049	268,943
DOE	DE-SC0010075	High Gradient Accelerator Research	81.049	425,240
DOE	DE-SC0010076	Theoretical and Computational Investigation of High-Brightness Beams	81.049	45,379
DOE	DE-SC0010428	Biomimetic Templated Self-Assembly of Light Harvesting Nanostructures	81.049	129,832
DOE	DE-SC0010491	Interaction of Flowing Plasma with Collecting Objects	81.049	132,215
DOE	DE-SC0010492	Control and Extension of ITER and Advanced Scenarios to Long Pulse in EAST and KSTAR	81.049	398,028
DOE	DE-SC0010495	From Quarks to the Cosmos: Ab initio studies in nuclear physics	81.049	151,964
DOE	DE-SC0010497	Gluonic Excitations in Mesons	81.049	129,885
DOE	DE-SC0010526	Predictive Theory of Topological States of Matter	81.049	119,105
DOE	DE-SC0010538	Imaging Interfacial Electric Fields on Ultrafast Timescales	81.049	147,337
DOE	DE-SC0010720	Development of long-pulse heating and current drive actuators and operational techniques compatible with a high-Z divertor and first wall	81.049	706,314

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
DOE	DE-SC0010795	Understanding and Controlling Nanoscale Crystal Growth Using Mechanical Forces	81.049	120,561
DOE	DE-SC0011088	MIT Relativistic Heavy Ion Group	81.049	654,093
DOE	DE-SC0011089	Active Subspace Methods for Data-Intensive Inverse Problems	81.049	34,368
DOE	DE-SC0011090	FY2014 - 2016 Task R - Theoretical Nuclear Physics	81.049	570,870
DOE	DE-SC0011091	Neutrino Physics Task W	81.049	145,680
DOE	DE-SC0011755	AMS Operations	81.049	1,051,560
DOE	DE-SC0011848	AMS Research	81.049	411,963
DOE	DE-SC0011970	LEPTON QUARK STUDIES, TASK F SUMMARY, FY 2015-17	81.049	71,021
DOE	DE-SC0012071	USBPO Support	81.049	31,373
DOE	DE-SC0012567	Theoretical High Energy Physics	81.049	273,658
DOE	IF-32302	Methods Development for Exascale Simulation of SMRs	81.CCC	261,873
DOE	NO B596165	Scalable High-Volume Micromanufacturing Techniques for Three-Dimensional Mesoscale Components	81.CCC	12,208
DOE	OF-34642	Technologies and Concepts to Reduce the US Dependence on Imported Petroleum and Emission of Greenhouse Warming Pollutannts	81.CCC	63,472
DOE	PO 563385-REVISION 9	US CMS DAQ Subsystem	81.CCC	233,856
DOE	PO-602735	CDF Monte Carlo Processing Facility at MIT (Network and Computing Support)	81.CCC	-210
DOE	PO-606667	US CMS HCAL Subsystem	81.CCC	16,122
DOE	PO-607300	US CMS Software and Computing Subsystem (Data Operation)	81.CCC	98,591
DOE	SUBCONTRACT NO. 3F-31144	Joint Center for Energy Storage Research (JCESR)	81.CCC	1,671,535
DOE	SUBCONTRACT NO. B597367	Support of Nuclear Physics Experiments on the NIF and Omega Laser Facilities	81.CCC	37,535
DOE	TBD	Task A: Particle Physics Collaboration	81.049	175,683
		Total for Department of Energy		**73,509,946**
		TOTAL for Department of Energy		**73,509,946**

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
DEPARTMENT OF HEALTH & HUMAN SERVICES				
NIH				
NIH	1 P50GM098792-01A1	MIT Center for Integrative Synthetic Biology	93.859	1,955,711
NIH	1-DP2-AG044279-01	Early Warning Indicators of Tipping Points in Biological Systems	93.310	275,888
NIH	1-DP2-DK102256-01	A Novel Strategy for Combating Obesity: Reprogramming Neural Circuits	93.847	486,497
NIH	1-DP2-OD007045-01	Antibacterial Peptides and Zinc in Innate Immunity and Mammalian Physiology	93.310	535,370
NIH	1-DP2-OD007124-01	Engineered Regulated RNA Localization and Transport in Biological Systems	93.310	458,116
NIH	1-DP2-OD008435-01	Director's New Innovator Award: High-Throughput Nanoscale Approaches to Studying and Inhibiting Amyloid Toxicity	93.310	377,663
NIH	1-K99-EB016690-01	Role of cerebrospinal fluid dynamics in brain drug delivery	93.286	68,643
NIH	1-K99-EY022924-02	The causal role of inferior temporal cortex in object recognition	93.867	88,576
NIH	1-K99-GM104166-01	Regulation of noncoding RNA biogenesis and function	93.859	52,873
NIH	1-K99-HD057522-02	fMRI Investigations of the Functional Architecture of the Language System	93.865	-1,991
NIH	1-K99-HL116654-01A1 REVISED	Control of Anoxia-Reoxygenation Responses by the O2-sensing Enzyme EGL-9 Pathway	93.837	16,553
NIH	1-R01AI111860-01	T-cell-mediated targeting of therapeutics to HIV reservoirs	93.855	21,233
NIH	1-R01-CA174795-01	Localizing Immunotherapy to Improve Therapeutic Index	93.395	249,565
NIH	1-R01-CA174795-02	Localizing Immunotherapy to Improve Therapeutic Index	93.395	276,878
NIH	1-R01CA185020-01	(PQB3) Investigating innate immunosurveillance of oncogene-induced danger signals	93.396	15,705
NIH	1-R01-DC011339-01A1	Brain Bases of Language Deficits in SLI and ASD	93.173	23,574
NIH	1-R01-EB006422-01A2	ARRA - Compact, Neon/Cryocooled NMR Magnets Assembled from Superconducting YBCO Annuli	93.701	-7,738
NIH	1-R01-EB013231-01A1	A 1.5-T superconducting solenoid-dipole magnet for a magic-angle spinning field	93.286	21,889
NIH	1-R01-EB016101-01A1	A New Device for Electrical & Chemical Modulation of Pathological Neural Activity	93.286	301,765
NIH	1-R01-EB017755-01	Mechanistic analysis of transport through the mucus barrier	93.286	58,205
NIH	1-R01-EY023173-01	High-throughput robotic analysis of integrated neuronal phenotypes	93.867	5,610
NIH	1-R01-GM101420-01A1	High throughput microfluidic intracellular delivery platform	93.859	177,869
NIH	1-R01-GM101420-02	High throughput microfluidic intracellular delivery platform	93.859	365,378

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NIH	1-R01-GM104948-01	Redesigning General Anesthesia	93.310	262,162
NIH	1-R01-GM108348-02	BIGDATA: Small: DA: DCM: Compressive genomics for large sequence datasets: Algorithms, applications, and software	93.859	128,791
NIH	1-R01GM110048-01	Computationally guided design of helical peptide interaction reagents	93.859	12,748
NIH	1-R01-HD067312-01	Using Cognitive Neuroscience to Predict Dyslexia among Kindergarden Children	93.865	89,681
NIH	1-R01-MH104536-01	Imaging Synaptic Transmission of Individual Active Zones	93.242	13,393
NIH	1-R01-NS078127-01A1	Neural mechanisms of timing in the oculomotor system	93.853	91,416
NIH	1-R21-AI100190-01	MMDx: A rapid multiplexed matrix code diagnostic for real time epidemiology	93.855	192,202
NIH	1-R21-EY023053-02	Time delimited neural silencing to dissect the basis of visual object perception	93.867	196,655
NIH	1-R21-MH092564-01A1	Learned regulation of the limbic network via combined EEG and fMRI	93.242	39,298
NIH	1-R21-MH102470-02	Amino acid neurotransmitter sensors for MRI	93.242	319,480
NIH	1-R21-NS087225-01	Validating a novel target for correction of pathophysiology in fragile X and TSC	93.853	18,881
NIH	1-R21-NS088412-01	SnapTag: Tagging active ensembles using a Strong Neuronal Activity Promoter	93.853	19,995
NIH	1-R56-AI104274-01	Nanowell-based single-cell technology for characterizing clinical samples ex vivo	93.855	178,000
NIH	1RC1DE020761-01REVISED	ARRA - Human Pluripotent Stem Cell Differentiation with Defined O2 & Protein Engagement	93.701	11,422
NIH	1-RC1-HG005334-01	ARRA - Integrative analysis of genomic and epigenomic datasets in multiple cell types	93.701	-477
NIH	1-RC1-RR028241-01	ARRA - Entrainment-based mechanical ventilation	93.701	106,741
NIH	1-RF1-AG042978-01	Epigenomic Characterization of Alzheimer's Disease Neurons from iPSCs	93.866	315,648
NIH	1-S10-OD012023-01A1	Console for an 800/89 DNP Spectrometer	93.350	538,876
NIH	1-S10-OD016326-01A1	Acquisition of Octet Biolayer Interferometry system for MIT biophysics facility	93.350	180,389
NIH	1-U01-CA184897-01	Dynamics of Gene and Isoform Regulation during EMT and tumor progression	93.396	1,845
NIH	1-U01-HG007610-01	Epigenomic variation atlas across human tissues and individuals in GTEx	93.172	74,121
NIH	1-UH2-TR000496-01	All-Human Microphysical Model of Metastasis Therapy	93.350	261,544
NIH	2-P01-CA026731-35A1	Endogenous Nitrite Carcinogenesis In Man	93.393	12,784

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NIH	2-P01-CA42063-26	Characterization of Pathways Controlling Cancer at the Level of Gene Regulation	93.393	794,166
NIH	2-P41-EB002026-39	MIT/Harvard Center for Magnetic Resonance	93.286	217,093
NIH	2-R01-CA034992-32	Understanding and Improving Platinum Anticancer Drugs	93.395	300,312
NIH	2-R01-CA096504-11	Engineered Antibody EGFR Antagonist Cancer Therapeutics	93.395	271,619
NIH	2-R01-DK087984-04A1	HRI-eIF2a Phosphorylation Signaling in Oxidative Stress and Erythropoiesis	93.847	65,003
NIH	2-R01-EB001965-10	High Magnetic Field, Time Domain Magnetic Resonance Spectrometers	93.286	49,357
NIH	2-R01-EB002804-23A1	High Field DNP and EPR in Biological Systems	93.286	26,101
NIH	2-R01-EB002887-04A2	MgB2 0.5-T/800-mm Whole-Body MRI Magnet: Phase I	93.286	42,985
NIH	2-R01-EB004866-05A1	High Frequency Gyrotron for DNP/NMR Research	93.286	88,318
NIH	2-R01-EB006365-06A2	Microchip Drug Delivery System	93.286	70,146
NIH	2-R01-GM034277-29A1	Regulation of mRNA Processing	93.859	6,857
NIH	2-R01-GM049039-19	Vascular Drug Delivery	93.859	546,632
NIH	2-R01-GM050895-18	Cell-Cell Signaling, Gene Expression, and Horizontal Gene Transfer in Bacillus	93.859	99,810
NIH	2-R01-GM068957-11	Controlling gene expression fluctuations during development and stem cell differentiation	93.859	170,980
NIH	2-R01-GM069857-09	Complex Metallocluster Structure and Assembly	93.859	14,206
NIH	2-R01-RR015034-06	Phase 3A of a 3-phase 1.3-GHz LTS/HTS NMR Magnet	93.389	132,940
NIH	2-R56-AI067699-07A1	System Dynamics of the Salmonella Virulence Regulatory Network	93.855	-11,656
NIH	2-R56-DK087984-04A1	HRI-eIF2a Phosphorylation Signaling in Oxidative Stress and Erythropoiesis	93.847	77,831
NIH	2-T32-GM007484-36	Integrative Neuronal Systems-Year 36	93.859	1,961
NIH	2-T32-OD010978-26	Biomedical Research Training for Veterinary Scientists	93.351	282,971
NIH	3-R01-EB017097-10S1	Phase 3A of a 3-phase 1.3-GHz LTS/HTS NMR Magnet	93.286	193,009
NIH	3-R01-EY011894-15S1	A Molecular Genetic Analysis of Cortical Plasticity	93.867	133,418
NIH	3-R01-EY020517-01S1	Project Prakash: Development of Object Perception After Late Sight Onset	93.867	68
NIH	3-R01-GM050895-16S1	Cell-Cell Signaling, Gene Expression, and Horizontal Gene Transfer in Bacillus	93.859	121,855
NIH	3-R01-GM058160-14S1	Late Transition Metal Catalysts for Organic Synthesis	93.859	63,335
NIH	3-R01-GM065519-13	Imaging Mobile Zinc Biology	93.859	204,551
NIH	3-R01-GM084477-05S1 REVISED	Molecular Genetics of Innate Immunity in C. elegans	93.859	45,205
NIH	3-R01-GM104948-03S1	Redesigning General Anesthesia	93.310	743,584

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NIH	3-R01-MH102441-02S1	Dissecting the Neural Circuits Encoding Positive and Negative Valence	93.242	202,535
NIH	3-RC1-HG005334-02S1	Integrative analysis of genomic and epigenomic datasets in multiple cell types	93.170	-197,346
NIH	3-RC2-HG005639-02S1	A Data Analysis Center for integration of fly and worm modENCODE datasets	93.172	471
NIH	3-UH2-TR000496-02S1	All-Human Microphysical Model of Metastasis Therapy	93.350	91,732
NIH	4-R01-RR015034-10REVISED	Phase 3A of a 3-phase 1.3-GHz LTS/HTS NMR Magnet	93.389	116,743
NIH	5 P01 HD061315-03	Maternal and Child Health in Poor Countries: Evidence from Randomized Evaluations	93.865	134,120
NIH	5 P01 HD061315-05	Maternal and Child Health in Poor Countries: Evidence from Randomized Evaluations	93.865	5,141
NIH	5 R03 MH096549-02	Inhibition of Glycoprotein Biosynthesis in Gram-Negative Pathogens	93.310	26,060
NIH	5_R01-DE013023-15R	Novel Polymers for Tissue Engineering	93.121	279,396
NIH	5-DP1-NS087724-02	Millisecond-Timescale Whole-Brain Neural Activity Mapping in Health and Disease	93.310	271,444
NIH	5-DP1-OD001022-05REVISED	NIH Director's Pioneer Award	93.390	19,521
NIH	5-DP5-OD017865-02	Post-transcriptional regulation of gene expression in neuromuscular disease	93.31	283,796
NIH	5-K99-CA169512-02	Investigating microRNA miR-34a in lung cancer development and therapy	93.398	116,519
NIH	5-K99-DC012321-02	The role of cortico-hippocampal interactions in encoding auditory memories	93.173	10,221
NIH	5-K99-EB013630-02	3D Microvascular Networks in Hydrogels Fabricated with Sacrificial Structures	93.286	8,184
NIH	5-K99-ES022639-02	Impact of Infection and Inflamation on the Toxicity of Environmental Chemicals	93.867	81,445
NIH	5-K99-EY022671-02	The role of cortical feedback in visual face processing	93.867	102,802
NIH	5-K99-GM100008-02	Structural Characterizations of Transient and Heterogeneous Protein Complexes	93.859	60,834
NIH	5-P01-CA026731-34	Endogenous Nitrite Carcinogenesis in Man	93.393	898,262
NIH	5-P01-CA026731-34 REVISED	Endogenous Nitrite Carcinogenesis in Man	93.393	190,704
NIH	5-P01-CA42063-28	Characterization of Pathways Controlling Cancer at the Level of Gene Regulation	93.393	548,117
NIH	5-P01-HD061315-04	Maternal and Child Health in Poor Countries: Evidence from Randomized Evaluations	93.865	594,669
NIH	5-P01-HL066105-07	Molecular Analysis of Cardiovascular Biology and Pathology	93.837	-4,749
NIH	5-P01-HL066105-10	Molecular Analysis of Cardiovascular Biology and Pathology	93.837	-130

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NIH	5-P30-CA14051-41	Administration	93.395	20,393
NIH	5-P30-CA14051-42	Administration	93.395	2,986,973
NIH	5-P30-CA14051-43	Administration	93.395	504,046
NIH	5-P30-ES002109-32	MIT Center for Environmental Health Sciences	93.113	0
NIH	5P30ES002109-33	MIT Center for Environmental Health Sciences	93.113	933,428
NIH	5-P30ES002109-33	MIT Center for Environmental Health Sciences	93.113	200,106
NIH	5-P30ES002109-34	MIT Center for Environmental Health Sciences	93.113	376,746
NIH	5-P30-EY002621-33	Core - Vision Processes	93.867	74,487
NIH	5-P30-EY002621-35	Core - Vision Processes	93.867	14
NIH	5-P30-EY002621-36	Core - Vision Processes	93.867	572,658
NIH	5-P41-EB002026-34	Harvard/MIT Center for Magnetic Resonance	93.286	279
NIH	5-P41-EB002026-38	Harvard/MIT Center for Magnetic Resonance	93.286	1,048,611
NIH	5-P41-EB015871-27	MIT Laser Biomedical Research Center	93.286	9,896
NIH	5-P41-EB015871-28	MIT Laser Biomedical Research Center	93.286	520,961
NIH	5-P50-GM068762-10	Systems Biology of Cell Decision Processes	93.859	409,256
NIH	5-P50-GM068762-10 REVISED	Systems Biology of Cell Decision Processes	93.859	506,190
NIH	5-R00-GM085279-04	Cooperation and Conflict in Microbial Systems: Sucrose Metabolism in Yeast	93.859	-328
NIH	5-R00-GM089826-04	Investigating the Molecular and mechanical Regulation of Pulsed Actomyosin Contraction	93.859	19,856
NIH	5-R01-AG011119-22	Function of SIRT1 in Growth and Reproduction	93.866	438,913
NIH	5-R01-AG015339-15	Function of Mammalian SIRT1 in Aging	93.866	279,685
NIH	5-R01-AI016892-35	Proteolytic and chaperone machines implicated in virulence and disease	93.855	565,406
NIH	5-R01-AI080621-05	Toxoplasma Strain-Specific Modulation of Mouse Immune Cells	93.855	262,546
NIH	5-R01AI095109-05	Engineered lipid vesicles as potent vaccine vectors for HIV	93.855	349,438
NIH	5-R01-AR060331-03	Cartilage Repair Using Self Assembling Peptide Scaffolds	93.846	418,687
NIH	5-R01CA021615-37	Mutagenesis and Repair of DNA	93.393	234,312
NIH	5-R01-CA034992-31	Chemistry and Biology of Platinum Anticancer Drugs	93.394	577,828
NIH	5-R01-CA075289-16 REVISED	Optical Biopsy Using Coherence Tomography	93.395	110,114
NIH	5-R01-CA075576-14	In Vivo Role of DNA Alkylation Repair	93.393	18
NIH	5-R01-CA079827-09	Mechanisms of Damage-Induced Homologous Recombination	93.393	23,505
NIH	5-R01-CA096504-12	Engineered Antibody EGFR Antagonist Cancer Therapeutics	93.395	355,212
NIH	5-R01-CA101830-09	Foundations of Pretargeted Radioimmunotherapy	93.395	491,847
NIH	5-R01-CA103146-10	Chemistry and Biology of Deoxyribose Oxidation in DNA	93.393	53,113

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NIH	5-R01-CA108854-09	Role of ILIO and TGFBI in Colon Cancer	93.393	145,254
NIH	5-R01-CA128803-05	Identifying Determinants of Chemotherapeutic Response In Vivo	93.395	3,342
NIH	5-R01-CA133404-05	Stress and Proliferation States Impact MicroRNA-Mediated Regulation in Cancer	93.393	-7,873
NIH	5-R01-CA133404-07	Stress and Proliferation States Impact MicroRNA-Mediated Regulation in Cancer	93.393	526,376
NIH	5-R01-CA140476-05	Nanoparticle-Mediated Support of Cancer Immunotherapy	93.394	195,275
NIH	5-R01-CA149261-05	The influence of DNA repair on inflammation associated carcinogenesis	93.393	302,296
NIH	5-R01-CA155320-05	MicroRNA Expression Profiling Circuits for Detection and Destruction of Cancer	93.395	608,048
NIH	5-R01-CA168653-02	Regulation of glucose metabolism to allow tumor initiation and growth	93.396	395,290
NIH	5-R01-CA172164-03	Targeting immunosuppression blockade to T cells for cancer immunotherapy	93.395	338,029
NIH	5-R01-CA173712-03 REVISED	Genetic circuits for high-throughput, multi-sensory, live cell microRNA profiling	93.396	428,741
NIH	5-R01-CA178636-02	Intraoperative real time breast cancer margin assessment with nonlinear microscopy	93.394	92,210
NIH	5-R01-CA186568-05	Spatially-resolved proteomic mapping of living cells	93.310	31,745
NIH	5-R01-DA028299-05	MRI Probes for Functional Imaging ofPlasticity Signals in the Brain	93.279	312,228
NIH	5-R01-DA029639-04	Novel Platforms for Systematic Optical Control of Complex Neural Circuits in Vivo	93.279	577,033
NIH	5-R01-DC000117-35	Hearing Aid Research	93.173	383,130
NIH	5-R01-DC000238-28	Experimental - Theoretial Studies of Cochlear Mechanisms	93.173	12,868
NIH	5-R01-DC000238-30 REVISED	Experimental - Theoretial Studies of Cochlear Mechanisms	93.173	265,008
NIH	5-R01-DC009183-05	Neuronal Mechanisms of Motor Exploration in the Songbird	93.173	-18,640
NIH	5-R01-DC009183-07	Neuronal Mechanisms of Motor Exploration and the Emergence of Structured Behavior	93.173	317,323
NIH	5-R01-DC011339-04	Brain Bases of Language Deficits in SLI and ASD	93.173	626,466
NIH	5-R01-DE013023-14	Novel Polymers for Tissue Engineering	93.121	74,029
NIH	5-R01-DE016516-10	High Throughput Craniofacial Tissue Engineering	93.121	357,367
NIH	5-R01-DE019523-13	Bioengineering Polymers for Parsing Cell Responses	93.121	88,414
NIH	5-R01-DK087984-03	HRI-eIF2a Phosphorylation Signaling in Oxidative Stress and Erythropoiesis	93.847	22,135
NIH	5-R01-EB000351-20	Expanding the Clinical Utility of Ultrasound-Assisted Transdermal Drug Delivery	93.286	0

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NIH	5-R01-EB000351-20 REVISED	Expanding the Clinical Utility of Ultrasound-Assisted Transdermal Drug Delivery	93.286	134,857
NIH	5-R01-EB001659-07	Integrating Data, Models, and Reasoning in Critical Care	93.286	18,604
NIH	5-R01-EB001659-10	Integrating Data, Models, and Reasoning in Critical Care	93.286	318,809
NIH	5-R01-EB001960-36 REVISED	Solid State NMR Studies of Membrane Proteins	93.286	527,334
NIH	5-R01-EB001965-07	High Power Millimeter Wave/Terahertz Sources for Magnetic Resource	93.286	0
NIH	5-R01-EB001965-09	High Power Millimeter Wave/Terahertz Sources for Magnetic Resource	93.286	35,655
NIH	5-R01-EB001965-11	High Magnetic Field, Time Domain Magnetic Resonance Spectrometers	93.286	198,032
NIH	5-R01-EB002804-26	High Field DNP and EPR in Biological Systems	93.286	405,315
NIH	5-R01-EB002887-06 REVISED	MgB2 0.5-T/800-mm Whole-Body MRI Magnet: Phase I	93.286	237,521
NIH	5-R01-EB003151-37	Solid State NMR Studies of Peptides and Proteins	93.286	780,269
NIH	5-R01-EB004866-08	High Frequency Gyrotron for DNP/NMR Research	93.286	466,638
NIH	5-R01-EB006365-10	Microchip Drug Delivery System	93.286	-279,250
NIH	5-R01-EB010246-04	Perfused 3D Tissue Surrogates for Complex Cell-Cell Communication Systems	93.310	172,691
NIH	5-R01-EB010246-05	Perfused 3D Tissue Surrogates for Complex Cell-Cell Communication Systems	93.310	395,354
NIH	5-R01-EB013231-03	A 1.5-T superconducting solenoid-dipole magnet for a magic-angle spinning field	93.286	788,935
NIH	5-R01-EB016101-02	A New Device for Electrical & Chemical Modulation of Pathological Neural Activity	93.286	66,207
NIH	5-R01-EB017755-02	Mechanistic analysis of transport through the mucus barrier	93.286	150,755
NIH	5-R01-ES015339-07	Protein Kinase Signaling and Cell Cycle Control	93.113	260,437
NIH	5-R01-ES015818-07	Mechanism of Eukaryotic Environmental Mutagenesis	93.113	390,213
NIH	5-R01-ES016313-04	The Environment as a Variable to Calibrate Mouse Models of Human Disease	93.113	4,098
NIH	5-R01-ES016313-05	The Environment as a Variable to Calibrate Mouse Models of Human Disease	93.113	48,845
NIH	5-R01-ES016313-07	The Environment as a Variable to Calibrate Mouse Models of Human Disease	93.113	208,405
NIH	5R01ES022872-22	Eukaryotic DNA Alkylation Repair	93.113	364,148
NIH	5-R01-EY007023-24	Cell-Specific Circuits in Visual Cortex	93.867	153,209
NIH	5-R01-EY011289-28	Novel Diagnostics With Optical Coherence Tomography	93.867	459,122
NIH	5-R01-EY011894-17	A Molecular Genetic Analysis of Cortical Plasticity	93.867	509,504
NIH	5-R01-EY013455-16 REVISED	Feedback of Peripheral Visual Information to Foveal Cortex	93.867	388,064

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NIH	5-R01-EY014074-18	Developmental Regulation of Glutamate Receptor Function	93.867	37,843
NIH	5-R01-EY014970-10	Construction of Invariant Shape Selectivity in the Ventral Visual Stream	93.867	260,020
NIH	5-R01-EY015834-10	Compounds blocking crystallin aggregation in vitro; path to anti-cataract agents	93.867	245,071
NIH	5-R01-EY017292-08	Neural Mechanisms of Selective Attention	93.867	326,764
NIH	5-R01-EY017656-05	In vivo Imaging of Neuronal Plasticity in Mouse Visual Cortex	93.867	109
NIH	5-R01-EY017921-07	Neural mechanisms mediating visual search	93.867	348,250
NIH	5-R01-EY018648-05	Cortical Representation and Plasticity: Neurons and Astrocytes	93.867	180,116
NIH	5-R01-EY019271-05	Haptic Vitrual Environments to Enhance Navigation and Mobility of Blind People	93.867	316,904
NIH	5-R01-EY020484-05	The gist of the space: A space centered approach to visual scene perception	93.867	464,199
NIH	5-R01-EY020517-04	Project Prakash: Development of Object Perception After Late Sight Onset	93.867	351,566
NIH	5-R01-EY021473-03	Making Sense of Visual Search	93.867	343,447
NIH	5-R01-EY023037-02	Behavioral consequences and cellular substrates of plasticity in visual cortex	93.867	229,901
NIH	5-R01-EY023173-03	High-throughput robotic analysis of integrated neuronal phenotypes	93.867	1,335,813
NIH	5-R01-GM017151-41	Structure and Function of Transfer Ribonucleic Acids	93.859	518,084
NIH	5-R01-GM024663-35	Genetic Analysis of Nematode Egg Laying	93.859	17,396
NIH	5-R01-GM024663-37	Genetic Analysis of Nematode Egg Laying and Co-regulated Behavioral Systems	93.859	391,098
NIH	5-R01-GM029595-35	Ribonucleotide Reductase: Structure and Function	93.859	332,850
NIH	5-R01-GM031030-32	Molecular Genetics of Rhizobium Nodulation Plasmids	93.859	415,382
NIH	5-R01-GM032134-32	Nonheme Diiron Centers and the Biological Oxidation of Hydrocarbons	93.859	315,828
NIH	5-R01-GM034277-28	Regulation of MRNA Processing	93.859	180,674
NIH	5-R01-GM039334-27	N-linked Protein Glycosylation: Pathways and Processes	93.859	326,939
NIH	5-R01-GM039334-27S1	N-linked Protein Glycosylation: Pathways and Processes	93.859	17,440
NIH	5-R01-GM046059-22	Catalytic Methods for Organic Synthesis	93.859	680,304
NIH	5-R01-GM046941-21	Molecular Genetics of Intracellular Protein Transfer	93.859	-2,393
NIH	5-R01-GM049224-21	Protein Recognition for Remodeling and Degradation by Bacterial AAA+ ATPases	93.859	306,056
NIH	5-R01-GM052339-20	Initiation of DNA Replication of Yeast Chromosomes	93.859	282,798
NIH	5R01GM056800-20	Regulation of MITOSIS by Proteolysis in Yeast	93.859	204,585

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NIH	5-R01-GM058160-16	Late Transition Metal Catalysts for Organic Synthesis	93.859	568,301
NIH	5-R01-GM059281-14	Neutrophil Priming in Trauma and Sepsis	93.859	-790
NIH	5-R01-GM059426-16	Catalytic Stereoselective Olefin Metathesis Reactions	93.859	541,728
NIH	5-R01-GM062207-12 REVISED	Regulation of the meiotic cell cycle	93.859	46,225
NIH	5-R01-GM062207-14	Regulation of the meiotic cell cycle	93.859	20,209
NIH	5-R01-GM063857-12	ELECTROPORATION MECHANISM, MICRODOSIMETRY AND INCREASINGLY REALISTIC CELL MODELS	93.859	241,821
NIH	5-R01-GM065418-08	Packing and Electrostatic Effects on Folding and Binding	93.859	104,016
NIH	5-R01-GM065519-12 REVISED	Investigation of Zinc Neurochemistry by Fluorescent Sensing and MRI	93.859	320,532
NIH	5-R01-GM067681-09	Analysis and Design of Coiled Coil Partnering	93.859	109,371
NIH	5-R01-GM069857-08	Complex Metallocluster Structure and Assembly	93.859	132,320
NIH	5-R01-GM072566-08	Synthetic strategies based on epoxide-coupling reactions	93.859	2,960
NIH	5R01GM072566-10 REVISED	Synthetic Strategies based on expoxide coupling reactions	93.859	144,898
NIH	5-R01-GM072670-09 REVISED	Site-specific protein labeling in cells with engineered LplA	93.859	313,640
NIH	5-R01-GM074825-09	Synthesis and Study of Complex Natural Products	93.859	117,611
NIH	5-R01-GM077537-08	High Resolution Assembly Structure of The Nuclear Pore Complex	93.859	406,789
NIH	5R01GM081393-07 REVISED	MEIII2_Y_Me_Fe_Mn_Cluster Assembly and Maintenance in Ribonucleotide Reductase	93.859	450,317
NIH	5-R01-GM081871-07	Structure based prediction of the interactome	93.859	452,508
NIH	5-R01-GM082209-04	Computational Design of Inhibitor Specificity	93.859	163,630
NIH	5-R01-GM082899-07	Cell Cycle Regulation in Caulobacter Crescentus	93.859	153,160
NIH	5-R01-GM084477-07	Molecular Genetics of Innate Immunity in C. elegans	93.859	303,086
NIH	5-R01-GM085319-07	Function of Sequence-Specific Regulators of RNA Splicing	93.859	399,840
NIH	5-R01-GM085323-03	Metabolic Engineering for Microbial Taxol Biosynthesis	93.859	172,179
NIH	5-R01-GM085323-04	Metabolic Engineering for Microbial Taxol Biosynthesis	93.859	10
NIH	5-R01-GM085457-04	High Throughput Monitoring of Mass, Density and Fluorescence of Single Cells	93.859	65,743
NIH	5-R01-GM086214-04	Single-molecule imaging with super-resolution	93.859	213,322
NIH	5-R01-GM087465-04	Analysis of poly(ADP-ribose) function in the cytoplasmic stress response	93.859	305,971
NIH	5-R01-GM089732-04 REVISED	Synthesis and Study of Dimeric Diketopiperazine Alkaloids	93.859	270,473
NIH	5R01GM089732-06 REVISED	Synthesis and Study of Dimeric Diketopiperazine Alkaloids Years 5 to 8	93.859	160,400
NIH	5-R01-GM089903-05	A Systems Biology Approach to Reveal Huntington's Disease Mechanisms	93.859	321,426

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NIH	5-R01-GM090194-04	Cell-Based Sensors for Measuring Impact of Microsystems on Cell Physiology	93.859	244,155
NIH	5-R01-GM094303-03	Functional Consequences of Ribosome Heterogeneity	93.859	424,911
NIH	5-R01-GM095733-04 REVISED	Probing the real-time kinetics and steady-state dynamics of gene expression	93.859	175,635
NIH	5-R01-GM095765-05	Characterization of Gradient-Responsive Genetic Programs Using Light Sensors	93.859	276,311
NIH	5-R01-GM095843-04	Radicals and Polyradicals for Dynamic Nuclear Polarization	93.859	314,420
NIH	5-R01-GM096466-05	Very large datasets and new models to predict and design protein interactions	93.310	510,330
NIH	5-R01-GM097241-02REVISED	Inhibition of prokaryote-specific saccharide biosynthesis in microbial pathogens	93.859	176,660
NIH	5-R01-GM101988-36	Sequence Determinants of Protein Structure and Stability	93.859	394,720
NIH	5R01GM102311-02	Cooperation and Cheating in the Evolution of Antibiotic Resistance in Bacteria	93.859	250,822
NIH	5-R01-GM105984-02	Investigating the generation of mechanical forces during tissue invagination	93.859	328,803
NIH	5-R01-HD046943-10	Mechanisms and Functions of FMRP in Neuronal Development	93.865	189,824
NIH	5-R01-HD057606-10 REVISED	Constraints on Phonological & Morphological Development	93.865	153,700
NIH	5-R01-HD067312-05	Using Cognitive Neuroscience to Predict Dyslexia among Kindergarden Children	93.865	557,394
NIH	5-R01-HG002439-13	Regulation and Evolution of Alternative mRNA Isoform Expression in Mammals	93.172	616,659
NIH	5-R01-HG004037-08	Regulartory Motif Discovery in the Human Genome Using Comparative Genomics	93.172	1,200,968
NIH	5-R01-HG006781-03	Development of technologies for genome-wide identification of RNA branch points	93.172	143,820
NIH	5-R01-HL052212-18	Scavenger Receptors: Ligand Binding and Pathophysiology	93.837	-9,957
NIH	5-R01-HL093225-05	Cytoarchitecture of Central Respiratory Afferents Processing	93.838	535,749
NIH	5-R01-HL107503-04	Scalable Units for Building Vascularized Cardiac Graft	93.837	565,732
NIH	5-R01-MH060379-14	Ensemble activity in rat corticostriatal circuits during habit learning	93.242	194,906
NIH	5-R01-MH065252-13	Neural Basis of Categories	93.242	432,604
NIH	5-R01-MH067105-10	Performance Error Signals in Basal Ganglia-Forebrain Circuits of the Songbird	93.242	26,279
NIH	5-R01-MH080344-05	Development of Declarative Memory	93.242	-27,268
NIH	5-R01-MH084966-05	Opposing Effects of Chronic Stress on Amygdala and Hippocampus	93.242	373,653

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NIH	5-R01-MH085802-05	Mechanisms and Therapeutics for Rett Syndrome	93.242	537,568
NIH	5-R01-MH091115-05	Chemical Genomic Approaches to Neurobiology of DISC1	93.242	586,632
NIH	5-R01-MH091174-05	Capacity Limitations in the Cortex	93.242	330,500
NIH	5-R01-MH091220-05	The Role of GABAergic Synaptic Plasticity in Neural Circuit Functions	93.242	263,025
NIH	5-R01-MH096914-03	Impairments of Theory of Mind disrupt patterns of brain activity	93.242	337,014
NIH	5-R01-MH097104-03	Shank3 in Synaptic Function and Autism	93.242	419,710
NIH	5-R01-MH103160-02	Hypermagnetic engineered proteins for functional neuroimaging	93.242	287,727
NIH	5-R01-NS025529-23	Extrapyramidal Systems	93.853	-141,348
NIH	5-R01-NS025529-25	Extrapyramidal Systems	93.853	263,163
NIH	5-R01-NS035145-15	Integrative Functions of Prefrontal Cortex	93.853	59,537
NIH	5-R01-NS040296-13	Characterization of the Drosophila Synaptotagmin Family	93.853	372,941
NIH	5-R01-NS043244-09	Drosophila as an Experimental Model for Epilepsy	93.853	80,279
NIH	5-R01-NS051874-19	The Cdk5/p35 Kinase	93.853	334,337
NIH	5-R01-NS052203-05	Modeling Huntington's Disease in Drosophila	93.853	-180
NIH	5-R01-NS073127-05 REVISED	High-Throughput In Vivo Subcellular-Resolution Vertebrate Screening Platform	93.310	577,965
NIH	5-R01-NS075421-02	Genetically-Encoded Tools for Manipulation of Ion Channel and Receptor Functions	93.853	-164
NIH	5-R01-NS075421-04	Genetically-Encoded Tools for Manipulation of Ion Channel and Receptor Functions	93.853	238,939
NIH	5-R01-NS076462-04-REVISION	Noninvasive imaging-based electrophysiology using microelectronic devices	93.310	519,826
NIH	5-R01-NS078839-04	The Epigenetics of Alzheimer's Disease	93.853	949,964
NIH	5-R01-OD011141-04	Diagnosis and Pathobiology of Emerging Enterohepatic Helicobacter spp. in Mice	93.351	525,480
NIH	5R03HD075076-02	Development of tissue-specific knockout technologies for C. elegans	93.865	64,267
NIH	5-R21-AI090121-02	Investigating Complex Glycans on Biological Surfaces	93.855	-1
NIH	5-R21-AI101807-02	PGT Inhibitors Mapped From a Tunicamycin Blueprint	93.855	207,527
NIH	5-R21-AI106025-02	Highly Multiplexed Single-cell Transcript Analysis Using DNA-barcoded Nanowells	93.310	37,731
NIH	5-R21-CA137695-03	Developing a Single Cell Growth Monitor for Classifying Therapeutic Response	93.394	308,477
NIH	5-R21-CA159132-02	Synergistic innate immune activation and cell killing by RIG-I ligands in HCV-HCC	93.395	147,851

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NIH	5-R21-EB013764-02	A 7-T/54-mm compact no-insulation HTS magnet for NMR applications	93.286	184,306
NIH	5-R21-ES019498-02	CometChip: Enabling Translation of DNA Damage and Repair Assays	93.113	115,900
NIH	5-R21-ES020466-02	Phospho-Binding Ligands and Substrates of BRCA1	93.113	196,775
NIH	5-R21-ES022858-02 REVISED	Quantitative analysis of damage to the nucleotide pool	93.113	148,242
NIH	5-R21-HL114011-02	Directed Differentiation of Stem Cells to Cardiomyocytes Using Optically Actuated Micropost Arrays	93.837	227,951
NIH	5-R21-MH092564-02	Learned regulation of the limbic network via combined EEG and fMRI	93.242	130,337
NIH	5-R21-MH097680-02	Using Drosophila to Characterize the Molecular Pathogenesis of Autism	93.242	199,652
NIH	5-R21-NS079992-02	Cell Type-Specific Halorhodopsin Mice for Neuronal Silencin	93.853	225,980
NIH	5-R24-GM098650-03	Legacy Informatics Resources for Glycomics	93.859	597,649
NIH	5-R33-CA174550-02	Microfluidic 3D Assays for Metastatic Cancer	93.396	228,023
NIH	5-R37-CA080024-18	Intra and Extra-Chromosomal Probes for Mutagenesis by Carcinogens	93.393	393,495
NIH	5-R37-EB000244-33	Controlled Release of Macromolecules	93.286	50,199
NIH	5-R37-EB000244-35	Controlled Release of Macromolecules	93.286	394,095
NIH	5-R37-GM041934-22	Cell Cycle and Sporulation in Bacillis Subtillis	93.859	261,418
NIH	5-R37-GM041934-24 REVISED	Cell Cycle and Sporulation in Bacillis Subtillis	93.859	187,503
NIH	5R37GM057073-17	Structure-Function Relationship of Glycosaminoglycans	93.859	480,081
NIH	5-R37-HD028341-21	Novel Second Messenger Signaling in the Striatum	93.865	315,596
NIH	5-R37-MH087027-05	Cortical Circuits for Attention and Decisions	93.242	468,890
NIH	5-T32-EB001680-08	Neuroimaging Training Program	93.286	23,193
NIH	5-T32-EB001680-09	Neuroimaging Training Program	93.286	148,274
NIH	5-T32-ES007020-38	Training Grant in Environmental Toxicology	93.113	67
NIH	5-T32-ES007020-39	Training Grant in Environmental Toxicology	93.113	482,373
NIH	5-T32-GM007287-38	Pre-Doctoral Grant in the Biological Sciences	93.859	15,934
NIH	5-T32-GM007287-39	Pre-Doctoral Grant in the Biological Sciences	93.859	1,880,584
NIH	5-T32-GM007484-37	Integrative Neuronal Systems-Year 3\7	93.859	407,661
NIH	5-T32-GM008334-24	Interdepartmental Biotechnology Training Program	93.859	-2,916
NIH	5-T32-GM087237-04	Graduate Training in Computational and Systems Biology	93.859	-1,291
NIH	5-T32-GM087237-05	Graduate Training in Computational and Systems Biology	93.859	208,211
NIH	5-T32-HG004947-05	MIT/Whitehead/Broad Computational Genetics Training Program	93.172	154,983
NIH	5-T32-MH074249-06	Training Program in the Neurobiology of Learning and Memory	93.282	45

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NIH	5-T32-MH074249-07	Training Program in the Neurobiology of Learning and Memory	93.282	172,972
NIH	5-T32-MH082718-04	Developmental Cognitive Neurosciences	93.282	1,881
NIH	5-T32-MH082718-05	Developmental Cognitive Neurosciences	93.282	173,971
NIH	5-T32-OD010978-25	Biomedical Research Training for Veterinary Scientists	93.351	0
NIH	5-T32-OD010978-27	Biomedical Research Training for Veterinary Scientists	93.351	58,215
NIH	5-U01-CA084306-15	Integrative genomic characterization of lung cancer metastasis in mouse and human	93.396	449,384
NIH	5-U01-CA164337-01A1	GI Tract Dysbiosis and Breast Cancer	93.396	191,082
NIH	5-U01-CA164337-02	GI Tract Dysbiosis and Breast Cancer	93.396	352,153
NIH	5-U01-HG007037-02	Integrated Genome Discovery at Single Base Pair Resolution	93.172	761,536
NIH	5-U54-CA112967-08	Tumor Cell Network Center: Administration	93.397	-6,963
NIH	5-U54-CA112967-09	Tumor Cell Network Center: Administration (PARENT)	93.397	1,467,678
NIH	5-U54-CA112967-10	Tumor Cell Network Center: Administration (PARENT)	93.397	519,433
NIH	5-U54-CA143874-04	Administration	93.397	884,054
NIH	5-U54-CA143874-05	Administration	93.397	1,832,283
NIH	5-U54-CA151884-03	Administration	93.397	466,150
NIH	5-U54-CA151884-04	Administration	93.397	1,698,033
NIH	5-U54-CA163109-02	Impact of Cellular and Extracellular Host Components on Tumor Progression	93.397	176,704
NIH	5-U54-CA163109-03	Impact of Cellular and Extracellular Host Components on Tumor Progression	93.397	591,027
NIH	5-UH2-TR000496-02	All-Human Microphysical Model of Metastasis Therapy	93.350	795,250
NIH	7-R01-CA160860-03	Developing Direct Small-Molecule Probes of Myc-Dependent Transcription	93.393	40,155
NIH	7-R01-HD057606-09	Constraints on Phonological & Morphological Development	93.865	152,704
NIH	7-R01-MH085958-06	Molecular Mechanism of Synaptic Plasticity	93.242	255,576
NIH	7-R21-OD011193-03	Targeted genome modification of guinea pig and sheep using engineered nucleases	93.351	130,745
NIH	8-DP1-CA174420-05	Stochastic Gene Expression in Differentiation and Development	93.310	363,292
NIH	8-DP1-ES022576-05	Developing novel methods to measure DNA repair capacity in human populations	93.113	714,810
NIH	8-DP1-GM105381-05	NIH Director's Pioneer Award	93.310	567,045
NIH	8-DP1-NS082101-02	Generating Transplantable Neurons by in Vivo Combinatorial Screening of Transcription Regulator RNAs	93.310	34,555
NIH	8-DP1-NS082101-04	Generating Transplantable Neurons by in Vivo Combinatorial Screening of Transcription Regulator RNAs	93.310	989,920

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NIH	9-P41-EB015871-26A1	MIT Laser Biomedical Research Center	93.286	939,424
NIH	K99MH099654-02	Cortical mechanisms of learned spatial-temporal sequence coding	93.242	84,243
NIH	T32-6M-008334-25	Interdepartmental Biotechnology Training Program	93.859	822,826
		Total for NIH		**97,198,321**
Other HHS				
HHS	HH5P233201200367P	CISR Multi-Sponsored Consortium	93.000	41,196
HHS	HHSF223201310210C	A Systematic Approach to Addressing Intentional Adulteration of FDA-regulated Food and Drug Products and Ingredients Emanating from the Global Supply Chain	93.103	231,628
		Total for Other HHS		**272,824**
		TOTAL for Department of Health & Human Services		**97,471,145**

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
MISCELLANEOUS FEDERAL GOVT				
Department of Agriculture				
USDA	58-6000-2-0099	Climate Change and Water Resource Impacts	10.250	6,190
		Total for Department of Agriculture		**6,190**
Department of Commerce				
DOC	60NANB10D014N	ARRA - The Science of Concrete with Fly Ash: Fundamental Models that Enable New Technology for Expanded Use of Fly Ash	11.609	143,956
DOC	60NANB12D269	Optics for Cold Neutron Imaging facility at NCNR	11.609	4,949
DOC	NA 16RG2255	Parent Account: Sea Grant College Program	11.417	0
DOC	NA09OAR4310069	Modeling Ecological Regulation of the Ocean Carbon Cycle	11.431	43,268
DOC	NA10NMF4270208	Socioeconomic Impacts of Herring Fishery Management in the Northeast: Looking Back to Move Forward	11.427	54,373
DOC	NA10OAR4170086	Parent Account: Sea Grant College Program	11.417	1,434,564
DOC	NA10OAR4310135	Sensitivity Patterns of Atlantic Meridional Overturning and related Climate Diagnostics Over the Instrumental Period	11.431	149,404
DOC	NA11OAR4310092	Collaborative Research: Tropical Cyclone Tracks in Present and Future Climates	11.431	31,602
DOC	NA11OAR4310159	Resolving the Role of Contact Ice Nucleation on the Earth's Climate System Using Laboratory and Field Studies	11.431	125,482
DOC	NA12OAR4310064	Sources and Impacts of Ammonia on PM loading during CalNex	11.431	46,845
DOC	NA130AR4310135	Identifying Mechanisms of AMOC variability in ECCO State Estimates and CMIP5 Models	11.427	48,710
DOC	NA13OAR4310072	Organic Nitrogen in Atmospheric Aerosols: Concentrations, Chemical Composition, and Properties	11.417	68,813
DOC	NA13OAR4310084	Assessing the Terrestrial and Atmospheric Nitrogen Cycle	11.431	40,839
DOC	NA14OAR4170077	2014 Parent Account: Sea Grant College Program	11.417	403,231
		Total for Department of Commerce		**2,596,035**
Department of Education				
ED	ED-OSE-10-C-0067	Web Accessibility Initiative (WAI) Core	84.CCC	578,188
		Total for Department of Education		**578,188**
Department of Interior				

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
DOI	G12AP20032	Contemporary strain rates across the Yakima fold-thrust belt estimated with GPS: Collaborative research with Portland State University and Massachusetts Institute of Technology	15.807	18,747
DOI	G14AP00027	Kinematics of Faulting in the Northern San Francisco Bay Region from GPS measurements: Collaborative Research with the Massachusetts Institute of Technology and University of California, Riverside	15.807	6,762
		Total for Department of Interior		**25,509**
Department of Transportation				
DOT	09-C-NE-MIT	Air Transportation Center of Excellence for Aircraft Moise and Emissions Mitigation (Phase III)	20.109	1,553,179
DOT	11-G-016	FAA Joint University Program for Air Transportation Proposal for Activities by the Massachusetts Institute of Technology	20.108	58,719
DOT	13-C-AJFE-MIT-01	Center of Excellence for Alternative Jet Fuels and Environment	20.109	4,566
DOT	DTFR53-11-C-00016	Development and Evaluation of a High Speed Rail Scheduling and HUD Display	20.CCC	216,737
DOT	DTRT07-G-0001	Parent Account - DTRT07-G-0001 - Univeristy Transportation Centers Program	20.701	73,091
DOT	DTRT12-G-UTC01	UTC Research Center (Parent)	20.701	2,058,840
DOT	DTRT57-07-D-30006	MIT-Volpe Transporation Human Factors Research Program	20.CCC	-2
DOT	DTRT57-07-D-30006 TASK ORDER 10	MIT-Volpe Transporation Human Factors Research Program	20.CCC	2,092
DOT	DTRT57-07-D-30006 TASK ORDER 5	MIT-Volpe Transporation Human Factors Research Program	20.CCC	21,840
DOT	DTRT57-07-D-30006 TASK ORDER 7	MIT-Volpe Transporation Human Factors Research Program	20.CCC	9,945
DOT	DTRT57-12-C-10029	Library Services for DOT	20.CCC	62,454
DOT	DTRT5714P80013	Assessment and Analysis of Carbon Dioxide Emissions Metrics	20.CCC	79,270
DOT	DTRT-RVT-91-1073	Advanced Solutions to Capture Mobility Data (ASCMD)	20.CCC	125,173
		Total for Department of Transportation		**4,265,903**
Other Agencies				
Misc.	2011-IJ-CX-K016	Divert and Alert: Mitigating and Warning of Traffic Threats to Police Stopped Along the Roadside	16.560	401,350
Misc.	523C30077/VA241-13-D-0053	VA IDIQ FY13: Task Order	64.CCC	67
Misc.	523C30105/VA241-13-D-0053	VA IDIQ FY13: Task Order	64.CCC	52,972
Misc.	523C48185/VA241-13-D-0053	VA IDIQ FY13: Task Order	64.CCC	18,121
Misc.	83503301	Investigating the effects of atmospheric aging on the radiative properties and climate impacts of black carbon aerosol	66.509	296,797

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
Misc.	83522801	Using advanced statistical techniques to identify the drivers and occurrence of historical and future extreme air quality events in the United States from observations and models	66.509	213,198
Misc.	AID-OAA-A-12-00095	CITE and IDIN	98.001	1,639,795
Misc.	B3688-C	Task Oriented Exercise and Robotics in Neurological Disease	64.CCC	-12,604
Misc.	CONTRACT #2008*1260924*000	CISR Multi-Sponsored Consortium	12.000	397
Misc.	FA8650-12-C-7265	Predicting Adults' Language Learning Abilities From Pre-Learning MRI and Cognitive Measures	12.CCC	61,973
Misc.	HJ-50085-12	ELVIS: Electronic Locator of Vertical Interval Successions	45.169	74,667
Misc.	HK-50072-13	Annotation Studio: Multimedia Annotation for Students	45.169	76,912
Misc.	HSHQDC-11-C-00018	Computer Programming Tools in Schools	97.121	42,416
Misc.	NRC-HQ-11-6-04-0060	Evaluating the Safety of Digital Instrumentation and Control	77.CCC	40,078
Misc.	NRO000-13C0309	Electrical, thermal and environmental reliability of GaN HEMTs for V- and W-band Space Applications	12.CCC	80,523
Misc.	PW-51624-14	Preparing to Preserve, Digitize, and Catalog the Southeast Chicago Historical Museum Collection	45.169	6,139
Misc.	RD 83456001	Emissions of Gas-phase LVOCs from Mobile Sources	66.516	19,246
Misc.	RD-83427901-0	Air Pollution, Health and Economic Impacts of Global Change Policy and Future Technologies: An Integrated Model Analysis	66.509	43,119
Misc.	RD-8350331-0	Investigating the effects of atmospheric aging on the radiative properties and climate impacts of black carbon aerosol	66.509	22,963
Misc.	VA118-12-C-0040	Quasi-Passive Prosthetic Socket Technology with Optimal Shape and Dynamic Properties	64.CCC	685,768
Misc.	VA241-13-J-0777	VA Task Order PO Bridge Funding	64.CCC	0
Misc.	VA254-MU-0633	Evaluation of Robot-Assisted Neuro-Rehabilitation	64.CCC	57,342
Misc.	XA-83505101-0	Transportation - Related Policies and Economy - Wide Impacts	66.034	138,743
Misc.	XA-83600001-1	Integrated Assessment of Greenhouse Gases	66.034	408,788
		Total for Other Agencies		**4,368,770**
		TOTAL for Miscellaneous Federal Govt		**11,840,595**

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION				
NASA	NNA06CN23A	Cognitively Based Traffic complexity Metrics for Future NGATS Concepts of Operations	43.000	78,524
NASA	NNA08CN84A	Requirements for the Development and Maintenance of Multicellualr Life	43.000	521,507
NASA	NNA09DB36A	The Moon as Cornerstone to the Terrestrial Planets: the Formative Years	43.000	546,302
NASA	NNA13AA90A	Foundations of Complex Life: Evolution, Preservation & Detection on Earth & Beyond	43.001	940,424
NASA	NNG10HP00C	Continued Development and Operation of the NASA Mark IV and Next Generation Very Long Baseline Interferometry (VLBI) Systems	43.CCC	2,301,863
NASA	NNG12FD70C	Regolith X-ray Imaging Spectrometer (REXIS) - Phase B	43.CCC	1,227,753
NASA	NNG12FG09C	Transiting Exoplanet Survey Satellite (TESS)	43.CCC	2,474
NASA	NNG12LD59P	Graphene-based strain sensors	43.CCC	49,566
NASA	NNG14FC03C	Transiting Exoplanet Survey Satellite	43.CCC	3,101,548
NASA	NNG14PJ13C	Neutron Star Composition ExploreR (NICER) Project Detector Subsystem	43.CCC	520,680
NASA	NNH10CC27C	Supporting the SPHERES Facility aboard the ISS for STEM Educational Objectives	43.CCC	181,092
NASA	NNH11CC25C	Visual Estimation and Relative Tracking for Inspection of Generic Objects (VERTIGO)	43.CCC	72,312
NASA	NNH11CC26C	Zero Robotics	43.CCC	-11,896
NASA	NNH11PQ68P	CISR - NASA Agreement	43.000	644
NASA	NNH13CJ23C	InSPIRE 2	43.CCC	967,197
NASA	NNL10AA13C	Assuring Safety using System Theoretic Concepts	43.CCC	479,507
NASA	NNL13AA12C	Scalable ion Electrospray Propulsion System (S-iEPS)	43.CCC	511,945
NASA	NNM08AA18C	GRAIL	43.CCC	1,528,412
NASA	NNM13AA03G	A New Modeling Approach for Rotating Cavitation Instabilities in Rocket Engine Turbopumps	43.007	176,498
NASA	NNX08AK68G	U.S. Participation in the Marco Polo Mission	43.000	7,289
NASA	NNX08AX15G	A Search for Extra-Terrestrial Genomes (SETG): An In-situ Detector for Life on Mars Ancestrally Related to Life on Earth	43.000	51,416
NASA	NNX08AY96G	Measuring Paleomagnetism and Orienting Samples on the Moon	43.000	23,206
NASA	NNX09AE58G	Continuing MIT Participation in the Monitoring and Interpretation of Data from the Suzaku XIS	43.000	175,512

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NASA	NNX09AK68G	Improvements to the Accuracy of Global Geodesy	43.000	88,640
NASA	NNX09AM53G	Lunar and Planetary Gravity and Topography	43.003	82,288
NASA	NNX10AB27G	Exploring the Outer Solar System with Stellar Occultations	43.000	134,775
NASA	NNX10AC70G	NRA/Research Opportunties in Space & Earth Sciences	43.000	82,234
NASA	NNX10AD41G	Atomic Data Unleashed: Interactive, Scriptable Interfaces to Databases and Codes for X-RAY Spectroscopic Analysis and Modeling	43.000	9,458
NASA	NNX10AE25G	Supernova remnant and galaxy cluster observations with the Micro-X high resolution microcalorimeter X-ray imaging rocket.	43.000	2,000
NASA	NNX10AE50G	High Performance Three-Dimensionally Integrated Active Pixel X-Ray Sensors	43.000	16,045
NASA	NNX10AE68G	Astro-comb Visible Wavelength Calibrator as Supporting Technology for Exoplanet Research	43.000	197,321
NASA	NNX10AF59G	Development of high-resolution lightweight x-ray telescope optics	43.000	436,179
NASA	NNX10AG27G	SMASS-Next: Next Generation Neo Spectroscopic Survey	43.000	35,397
NASA	NNX10AH32G	Search for Records of Early Solar System Magnetic Fields	43.000	12,233
NASA	NNX10AJ98G	Geometric Control for Design Through Analysis	43.001	266
NASA	NNX10AN92A	Methodologies to Evaluate Trade-offs Between Environmental Impacts and Air Transportation System Performance	43.CCC	70,057
NASA	NNX10AP35G	The Wind SWE/Faraday Cup: Mission Operation and Data Analysis	43.000	18,942
NASA	NNX10AR85G	Laboratory Photochemistry Experiments to Identify the Source Reaction	43.000	37,342
NASA	NNX10AV02G	THE OUTER LIMITS OF RICH CLUSTERS: SUZAKU OBSERVATIONS TO R200 (Suzaku 51115)	43.00	4,956
NASA	NNX11AB35A	Aircraft and Technology Concepts for an N+3 Subsonic Transport	43.CCC	1,251,316
NASA	NNX11AC86G	Hunting For The Variable Iron Line in NGC 42	43.000	12,268
NASA	NNX11AF17G	Advanced Global Atmospheric Gases Experiment (AGAGE) Collaborative Research Project	43.001	601,080
NASA	NNX11AF30G	Development of a critical-angle transmission grating spectrometer	43.001	505,420
NASA	NNX11AG85G	Exoplanetary Spin-Orbit Angles	43.001	100,713
NASA	NNX11AI02G	A Major Addition to the Number of Sources in the RXTE/ASM Light Curve Data Base	43.001	31,036
NASA	NNX11AI66A	Geometry Interface for the NASA OpenMDAO Framework	43.002	188,419
NASA	NNX11AJ28G	Development of a Magnetometer for a Planetary Lander	43.001	276,259
NASA	NNX11AK30G	Lunar Laser Altimetry and Comparative Planetology	43.001	374,826

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NASA	NNX11AL79G	Quantifying rates of heat and carbon uptake in ocean models and its implication for climate change	43.001	169,346
NASA	NNX11AN37G	Laboratory studies of the effects of impurities on the flow of icy materials on mars	43.001	115,905
NASA	NNX11AN72G	A modeling analysis of the impact of anthropogenic aerosols on actinic fluxes and photolysis rates constrained by aircraft and satellite data	43.001	202,084
NASA	NNX11AO19G	THE GBM ALL-SKY X-RAY BURST MONITOR (FERMI 41270)	43.001	10,064
NASA	NNX11AQ12G	Estimating the Circulation and Climate of the Ocean, Phase III (ECCO3): Improved Representation of Ocean-Ice Interactions in Earth System Models	43.001	242,557
NASA	NNX11AQ21A	MIT Participation in the Station Experiment for X-ray Timing and Navigation Technology (SEXTANT; formerly NICER) PARENT	43.007	850,339
NASA	NNX11AR70G	Comprehensive Systems Architecting of Exploration Infrastructures	43.001	44,036
NASA	NNX12AB20A	Realtime Assessment of Emissions Impacts of Airports	43.000	526,998
NASA	NNX12AC09G	Spacesuit Trauma Countermeasure System for Intravehicular and Extravehicular Activities	43.000	268,393
NASA	NNX12AC25G	Organics on Titan?s Surface	43.001	101,557
NASA	NNX12AC76G	Obliquities of Kepler stars: clues to planet migration	43.001	107,466
NASA	NNX12AD56G	THE FINAL STAGES OF OUTBURSTS IN SOFT X-RAY TRANSIENTS (SWIFT 6090645)	43.001	19,348
NASA	NNX12AE14G	Lense-Thirring precession in neutron-star low-mass X-ray binaries	43.001	19,605
NASA	NNX12AE37G	Leveraging High Resolution Spectra to Understand the Disk and Relativistic Iron Line of Cygnus X-1	43.001	2,189
NASA	NNX12AE60G	A Swift study of neutron star transients between outburst and quiescence (SWIFT 7100048)	43.001	4,443
NASA	NNX12AE63G	THE FINAL STAGES OF OUTBURSTS IN SOFT X-RAY TRANSIENTS	43.001	9,781
NASA	NNX12AE83G	THE SEYFERT 1 H0557-385: A LONG TRANSITION FROM UNOBSCURED TO OBSCURED TYPE 1 AGN? (SWIFT 7100017)	43.001	0
NASA	NNX12AF21G	Development of Fabrication Process for Critical-Angle X-ray Transmission Gratings	43.001	952,555
NASA	NNX12AF22G	Directly-Deposited Blocking Filters for Imaging X-ray Detectors: Technology Development for the International X-ray Observatory	43.001	109,475

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NASA	NNX12AG58G	Heterogeneous chemistry of organic haze in planetary atmospheres: Laboratory studies of the kinetics and products of radical + particle reactions	43.001	104,229
NASA	NNX12AH12G	Laboratory Verification of Instrumentation for Soft X-ray Polarimetry	43.001	136,281
NASA	NNX12AH80G	Phase Equilibrium Investigation of Planetary Materials	43.001	93,609
NASA	NNX12AJ75A	Higher-Order Space-time adaptive methods for complex turbulent flows	43.001	128,358
NASA	NNX12AJ93G	Gravity data for ocean circulation and climate studies	43.001	249,226
NASA	NNX12AL26G	Identifying Disrupted Differentiated Bodies in the Main Asteroid Belt	43.001	51,356
NASA	NNX12AM16G	NRI-Small: A Novel Powered Leg Prosthesis Simulator for Sensing and Control Development	43.009	362,298
NASA	NNX12AN89G	Shear History Extensional Rheology Experiment II (SHERE II)	43.003	21,089
NASA	NNX12AO26G	Solid-Earth Lead for DESDynl-R Science Definition Team	43.001	112,204
NASA	NNX12AP83G	CMS Flux Pilot Project	43.000	48,777
NASA	NNX12AQ59G	High Temperature Superconductors as Electrodynamic Deployment and Support Structures in Spacecraft	43.001	211,978
NASA	NNX13AC34G	Interpreting Ecological Variability Using Remotely Observed Optical Properties and Ocean Models	43.001	254,752
NASA	NNX13AD02G	Supernova Remnant Observations with Micro-X	43.001	158,600
NASA	NNX13AE77G	MIT Participation in Calibration and Ground Software Development for Astro-H	43.000	77,736
NASA	NNX13AF80G	Communication of solar variability to the Earth's surface via the stratosphere	43.001	108,520
NASA	NNX13AH91A	Research on the Natural Variability of Climate and the Impact on Anthropogenic Forcing on Climate	43.001	190,771
NASA	NNX13AI40G	Ensemble Downscaling of Soil Moisture: Merging Remotely Sensed Precipitation and High Resolution Land Surface Information	43.001	105,416
NASA	NNX13AI62G	Characterization of the Stratospheric, Lower Thermospheric, and Ionospheric Variability Related to the Sudden Stratospheric Warmings	43.001	162,557
NASA	NNX13AJ72G	CONSTRAINING THE EPISODIC LOW-LEVEL ACCRETION IN THE QUIESCENT NEUTRON STAR TRANSIENT XTE J1701-462 (SWIFT 8110124)	43.001	17,309
NASA	NNX13AJ86G	Mars Reconnaissance Orbiter (MRO) Gravity Field Analysis	43.001	7,202
NASA	NNX13AK16G	Geometry and Meshing Control for Design through Analysis	43.001	117,830
NASA	NNX13AK88G	Linking Greenland ice sheet mass loss to decadal circulation changes in the ocean	43.001	168,664

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NASA	NNX13AK98G	Rheological behavior of icy mixtures with application to the outer planets	43.001	63,472
NASA	NNX13AO15G	Assessment of the Impact of Aerosol Composition of Cirrus Clouds Using Data from the MACPEX Field Study	43.001	104,804
NASA	NNX13AP37G	The Wind SWE/Faraday Cup: Mission Operation and Data Analysis	43.001	34,035
NASA	NNX13AQ67G	Extended Range Laser Altimeter (ERLA)	43.001	8,722
NASA	NNX14AB40G	Tidal Evolution of Coalescing Compact Binaries, Short Period Exoplanets, and Rotating Stars	43.001	34,206
NASA	NNX14AC71A	System Safety for Highly Distributed Air Traffic Management	43.002	43,821
NASA	NNX14AC75G	Microwave Radiometer Technology Acceleration (MiRaTA) CubeSat	43.001	70,781
NASA	NNX14AD97G	Comprehensive Systems Architecting of Exploration of Infrastructures	43.007	136,152
NASA	NNX14AE76G	Research Opportunities in Space and Earth Science-2012 (ROSES 2012)	43.001	72,352
NASA	NNX14AG47A	Active Wing Shaping Control Concept Using Composite Lattice-based Cellular Materials	43.001	13,049
NASA	NNX14AH11A	Ubiquitous 2-Dimensional Smart Sensing (UDS2) Initiative	43.001	47
NASA	NNX14AH75A	Modular Rapidly Manufactured Spacecraft	43.001	4,380
		Total for National Aeronautics and Space Administration		**25,253,969**
		TOTAL for National Aeronautics and Space Administration		**25,253,969**

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NATIONAL SCIENCE FOUNDATION				
NSF	ACI-1313789	EAGER: Demonstrating Decentralized Social Software using Linked Data (Crosscloud)	47.070	105,996
NSF	ACI-1322254	VOSS: Collaborative Research: Is Larger Smarter? Investigating the Effect of Group Size on Collective Intelligence	47.070	1,349
NSF	AGS-0940685	Collaborative Research: Intermittent Turbulence Study of Space Plasmas Using ROMA and DSRG	47.050	68,987
NSF	AGS-0944121	Tropospheric Anthropogenic Aerosols and Climate	47.050	76,026
NSF	AGS-0959280	ARRA - MRI-R2: Development and Deployment of Automated Continuous Wave Quantum Cascade Laser Instruments For On-Site Monitoring of the Four Isotopomers of Nitrous Oxide	47.082	69,704
NSF	AGS-1005480	Collaborative Research: Dispersion of particles within and above plant canopies	47.050	68,531
NSF	AGS-1023098	Space Weather Investigations: Ionospheric effects at the longitudes of maximum geomagnetic/geographic offset	47.050	23,963
NSF	AGS-1025467	Transition of the CEDAR Database to Madrigal	47.050	48,053
NSF	AGS-1032244	Collaborative Research: Convective Organization and Climate	47.050	130,731
NSF	AGS-1042569	Climate Change in the Upper Atmosphere	47.050	52,933
NSF	AGS-1053648	CAREER: Understanding Chemistry, Transport and Fate of Mercury and Persistent Organic Pollutants through Global Atmospheric Modeling	47.050	76,997
NSF	AGS-1056225	CAREER: Photochemical aging of atmospheric organic aerosol: Chamber studies of the chemical evolution of oxidized organic species	47.050	122,675
NSF	AGS-1121026	Collaboration for the Development of an Advanced Geospace Radar	47.050	5,517
NSF	AGS-1132267	Ionospheric Disturbances Related to the Stratospheric Sudden Warnings	47.050	61,033
NSF	AGS-1136480	Collaborative Research: The Effect of Near-Equatorial Islands on Climate	47.050	92,200
NSF	AGS-1148594	Improved Understanding of Moist Atmospheric circulations Through an Effective Static Stability Framework	47.050	101,865
NSF	AGS-1202078	Theory of Trace Gas Distributions in the Lower Stratosphere and Near the Tropopause	47.050	101,624
NSF	AGS-1216707	Collaborative Research: Mercury in the Atmosphere Over the Eastern United States	47.050	29,504
NSF	AGS-1238109	Impacts of the Biosphere on Global Tropospheric Chemistry and Climate	47.050	101,420

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	AGS-1242204	The Millstone Hill Geospace Facility	47.050	1,690,659
NSF	AGS-1243058	Collaborative Research:CEDAR --Large-scale Characterizationof the Sub-Auroral Polarization Stream and its Impact on the Ionosphere-Thermosphere System	47.050	43,486
NSF	AGS-1245011	Collaborative Research: Flow Reactor Simulations of the Evolution of Atmospheric Organic Aerosol	47.050	16,850
NSF	AGS-1318307	RAPID: Measurement of Low-Volatility Gas-Phase Organic Compounds during the Southern Oxidant and Aerosol Study (SOAS)	47.050	6,934
NSF	AGS-1339264	Tropospheric Anthropogenic Aerosols and Climate	47.050	92,946
NSF	AGS-1340539	2013 Graduate Climate Conference; Woods Hole, MA; November 1-3, 2013	47.050	14,991
NSF	AGS-1342810	Trends and Variability of Temperatures near the Tropical Tropopause Layer and Implications for Tropical Cyclones	47.050	100,568
NSF	AGS-1343967	INSPIRE Track 1: Mahali: Space Weather Monitoring Everywhere	47.050	105,079
NSF	ANT-0944519	Parameterization of Tracer Transport By Geostrophic Eddies In the Southern Ocean	47.078	197,128
NSF	ANT-1103375	Postdoctoral Research Fellowship - D. Goldberg	47.078	1,959
NSF	ANT-1141923	Investigation of the Relationship between Storm Enhanced Density and Scintillation in Antarctica	47.078	67,903
NSF	ARC-0934404	CMG Collaborative Research: Enabling Ice Sheet Sensitivity and Stability Analysis with a large-scale higher-order ice sheet models adjoint to support	47.078	15,952
NSF	ARC-1023499	Collaborative Research: An Eddy-permitting Arctic & Sub-Polar State Estimate for climate research	47.078	1,960
NSF	ARC-1118473	Collaborative Research: An Eddy-Permitting Arctic & Sub-Polar State Estimate For Climate Research	47.078	7,562
NSF	ARC-1203526	Collaborative Research: Evaluating the Competing Impacts of Global Emissions Reductions and Climate Change on the Distribution and Retention of selected POPs in the Arctic Ocean	47.078	110,482
NSF	AST-0707609	Exploring the Kuiper Belt with the Magellan Telescopes	47.049	7,821
NSF	AST-0747154	CAREER: Building Rocky Planets: From Mercury and Vesta to GL 581C	47.049	122,895
NSF	AST-0907766	SMASS- Next: Next Generation Asteroid Spectroscopic Survey	47.049	228,807
NSF	AST-1105835	MITEoR: a HERA pathfinder instrument for cheaper 21 cm precision cosmology	47.049	265,568
NSF	AST-1108595	Spin-Orbit Alignment in Binary Stars	47.049	101,772

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	AST-1109115	Feedback from the First Stars: Chemical Abundances in the First Billion Years after the Big Bang	47.049	154,959
NSF	AST-1109152	Investigations of Black Holes, Neutron Stars, and Accretion Physics with High-Resolution Infrared Spectroscopy	47.049	-267
NSF	AST-1156504	REU Site: Astronomy and Atmospheric Science at MIT Haystack Observatory	47.049	132,181
NSF	AST-1241363	Radio Stars and Their Lives in Galaxy Workshop	47.049	-32
NSF	AST-1255160	CAREER: The origin of the metal-poor halo of the Milky Way	47.049	118,922
NSF	AST-1310930	The HI 21-cm Line as a Probe of Stellar Mass Loss and Evolution	47.049	66,972
NSF	AST-1338510	NSF Wireless Spectrum R&D Senior Steering Group Workshop	47.079	8,050
NSF	AST-1343336	Realtime GHz-Wide Spectrum Sensing and Acquisition Using the Sparse FFT	47.049	154,924
NSF	ATM-0842751	ARRA - Merging of Observations and Models for the Earth's Schumann Resonances	47.082	327
NSF	ATM-0850639	ARRA - Collaborative Research Environmental control of Tropical Cyclone Activity	47.082	-2,725
NSF	ATM-0856093	ARRA - Studies of Plasmasphere Boundary Layer with a Distributed Array of Radio Instruments	47.082	11,065
NSF	BCS-0955818	CAREER: Typical and atypical development of brain regions for Theory of Mind	47.075	68,955
NSF	BCS-1023596	Collaborative Research: Integrating shape, scaling, and alignment in a global approach to F0 events in Intonation Systems	47.075	25,672
NSF	BCS-1134780	Automatic Detection of Cortical Networks Across Frequencies in Audiovisual Speech Integration	47.075	149,185
NSF	BCS-1226731	Collaborative Research: Grounding the Behavioral Immune System in Mental and Physiological Processes	47.075	59,056
NSF	BCS-1227892	Doctoral Dissertation Research: Causal Representations in Children's Transitive Sentences - GF Kline	47.075	4,312
NSF	BCS-1251717	Doctoral Dissertation Research: Experimental Investigations of Multiple Wh-Questions	47.075	3,729
NSF	BCS-1258640	MOOCs and the Ethnography of Media Socialization	47.075	166,794
NSF	CBET-0845347	CAREER:Technologies for Genome-Wide In Vivo Study of Neuronal (Axonal) Degeneration	47.041	108,807
NSF	CBET-0852235	DNA Polymer Dynamics in Nanoconfinement	47.041	81,532
NSF	CBET-0853866	Assessing Environmental Sustainability using FLAG: A case study of a novel semiconductor material critical to emerging technologies	47.041	213

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	CBET-0933095	Advances in Global Dynamic Optimization	47.041	429
NSF	CBET-0939511	NSF Science and Technology Center: Emergent Behaviors of Integrated Cellular Systems	47.041	4,818,655
NSF	CBET-0952493	CAREER: CELL SEPARATION BY ROLLING ON ASYMMETRIC RECEPTOR PATTERNS	47.041	20,675
NSF	CBET-0952564	CAREER: Fundamental Studies of Condensation Phenomena on Heterogeneous and Hierarchical Nanoengineered Surfaces	47.041	128,126
NSF	CBET-0954986	CAREER: Design, Construction and Characterization of Metabolite Valves	47.041	25,225
NSF	CBET-0966000	Collaborative Proposal: Chiral Objects in Microfluidic Shear Flows: Chiral Separation and Microbial Locomotion	47.041	5,037
NSF	CBET-0966452	Bouncing droplets: from fundamentals to digital microfluidics	47.041	36,419
NSF	CBET-1033533	Directed Assembly of Nanoscale Process Systems	47.041	145,689
NSF	CBET-1053233	CAREER: A Neurophotonic Platform for Causal Brain Analysis	47.041	127,308
NSF	CBET-1066566	Collaborative Research: Swimming and Settling in Stratified Fluids	47.041	46,356
NSF	CBET-1133286	Collaborative Research: Reducing the Burden of Global Materials Manufacture, Enabling Increased Use of Secondary and Renewable Materials in Production Planning	47.041	19,088
NSF	CBET-1133813	Fundamental Studies of Graphene Solutions: Exfoliation, Dispersion, and Stability	47.041	77,144
NSF	CBET-1150615	CAREER: Dielectric Phenotyping of Bacteria for Energy and Medicine	47.041	80,988
NSF	CBET-1159695	Collaborative Research: Using a Fully Autonomous Brain-Body Interface to Study the Cortical Dynamics of Learning	47.041	183,018
NSF	CBET-1239073	EAGER: Continuous, Catalyzed Thermopower Wave Generators Powered by Renewable Biofuels: A New Fuel Cell Concept	47.041	2,123
NSF	CBET-1240696	1066469 - Collaborative Research: Developing A Complete Membrane-Cytoskeleton Model for Human Erythrocyte	47.041	55,555
NSF	CBET-1253228	CAREER: Predicting granular flows: Amorphous continuum modeling with a length-scale	47.041	30,281
NSF	CBET-1253890	CAREER: Optoelectronic neural scaffolds: materials platform for investigation and control of neuronal activity and development	47.041	125,502
NSF	CBET-1258626	Collaborative Research: NSF/DOE Partnership on Advanced Combustion Engines: Advancing Low Temperature Combustion and Lean Burning Engines for Light- and Heavy-Duty Vehicles with Microwave Assisted Sp	47.041	128,054

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	CBET-1340199	Japan-MIT Nano-Bio Symposium for young research exchange	47.041	-100
NSF	CBET-1344219	INSPIRE Track 1: Nanotechnology for Adaptive Optics	47.041	295,546
NSF	CCF-0829672	Invariance in property Testing	47.070	1,544
NSF	CCF-0843915	CAREER: Geometric Techniques for Algorithm Design	47.070	78,848
NSF	CCF-0844626	ARRA - CAREER: Efficient Computation in the Physical World	47.082	50,020
NSF	CCF-0904305	CIF: Medium Collaborative Research Understanding and Managing Interference in Communications Networks	47.070	-5,357
NSF	CCF-0905244	SHF: medium: Exposing and Eliminating Errors at Component Boundaries	47.070	22,337
NSF	CCF-0937274	CCF-AF: Abstract MAC Layers	47.070	221,362
NSF	CCF-0937860	HECURA: Colaborative: Mutidimensional and String Indexes for Streaming	47.070	-505
NSF	CCF-0953960	CAREER: Towards a Constructive Theory of Networked Interactions	47.070	34,686
NSF	CCF-0964106	SHF: Medium: Intelligent and efficient data movement for multicore systems	47.070	395,772
NSF	CCF-0964646	CIF: Medium: Collaborative Research: From Retroactivity to Modularity: Design and Implementation of a Genetic Insulation Device in Yeast	47.070	58,652
NSF	CCF-1012042	AF: Large: Collaborative Research: Compact Representations and Efficient Algorithms for Distributed Geometric Data	47.070	112,777
NSF	CCF-1017772	CIF: Small: Theory and Codes for Intermittent and Sparse Communication	47.070	267,171
NSF	CCF-1018064	TC:Small: Securing Programs and data in Remote and Hostile Environments	47.070	41,568
NSF	CCF-1036241	EAGER: Profile and Transformation Driven Automatic Parallelization with interactive Reports	47.070	161,806
NSF	CCF-1049457	Eager: Technologies for Elastic OS Services in fos	47.070	31,299
NSF	CCF-1058127	CIF: Medium: Collaborative Research: From Retroactivity to Modularity: Design and Implementation of a Genetic Insulation Device in Yeast	47.070	111,042
NSF	CCF-1065125	AF:Medium:Taming massive data with sub-linear algorithms	47.070	400,110
NSF	CCF-1101147	ICES: Small: Decision Making with Bounded Categorization	47.070	120,214
NSF	CCF-1101491	A Probabilistic Look At Algorithmic Game Theory	47.070	135,889
NSF	CCF-1111109	AF: Large: Collaborative Research: Algebraic Graph Algorithms: The Laplacian and Beyond	47.070	122,356
NSF	CCF-1111337	AF:Large:Collaborative Research: Reliable Quantum Communication and Computation in the Presence of Noise	47.070	25,503

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	CCF-1115159	Quantization for Acquisition and Computation Networks	47.070	42,558
NSF	CCF-1115849	AF:Small:New Approaches to Fundamental Problems in Network Design	47.070	120,647
NSF	CCF-1116362	SHF:Small:Human-Centered Software Synthesis	47.070	103,844
NSF	CCF-1116372	SHF: Small: Directoryless Shared Memory Using Execution Migration	47.070	208,764
NSF	CCF-1116501	CIF: Small: Foundations for Intrinsically Secure Networks: the Role of Network Interference	47.070	62,597
NSF	CCF-1117381	AF:Small:Applied Algorithims:Tech Transfer from the Algorithims Toolbox II	47.070	65,122
NSF	CCF-1124247	NEB: Integrated Biological and Electronic Computation at the Nanoscale	47.070	398,654
NSF	CCF-1138967	Collaborative Research: An Expedition in Computing for Compiling Functional Physical Machines	47.070	911,844
NSF	CCF-1138986	Collaborative Research: Socially Assistive Robots	47.070	270,301
NSF	CCF-1139056	Collaborative Research: Expeditions in Computer Augmented Program Engineering (ExCAPE): Harnessing Synthesis for Software Design	47.070	177,657
NSF	CCF-1161413	CIF:Medium:Space-from-Time Imaging: Fundamental Limits, Algorithms, and Preliminary Demonstrations	47.070	261,097
NSF	CCF-1161626	AF: Medium Collaborative Research General Frameworks for Approximation and Fixed Parameter Algorithms	47.070	39,828
NSF	CCF-1161775	SHF: Medium Collaborative Research Marrying Program Analysis and numerical Search	47.070	50,652
NSF	CCF-1162148	SHF: AF: Medium: Collaborative Research: The Pochoir Stencil Compiler	47.070	441,431
NSF	CCF-1216476	CIF:Small: The Linear Infomation Coupling Problem	47.070	131,211
NSF	CCF-1217043	CIF: Small: Message Passing Networks	47.070	91,854
NSF	CCF-1217423	AF: Small: Local Computation Algorithms	47.070	147,800
NSF	CCF-1217498	SHF:Small-Fine Grain Tasking and Virtual Memory for Massively Parallel Computing	47.070	153,550
NSF	CCF-1217501	SHF: Small: Capitalizing on First-Class SQL Support in the Ur/Web Programming Language	47.070	148,178
NSF	CCF-1217506	AF: Small: Bounded-Contention Coding for Wireless Networks	47.070	67,688
NSF	CCF-1217921	SHF: Small: Multicore Data-Structures: Relaxed, Flat, and Randomized	47.070	205,025
NSF	CCF-1218176	AF: Small: Physics Based Approaches to Quantum Information Science	47.070	124,558
NSF	CCF-1218547	AF: Small: Sliding Scale Problems in Probabilistic Checking of Proofs	47.070	105,526

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	CCF-1231216	A Center for Brains, Minds, and Machines: The Science and the Technology of Intelligence	47.070	1,696,206
NSF	CCF-1249349	2012 Waterman Award	47.070	274,150
NSF	CCF-1253205	CAREER: Information Theory Beyond Capacity	47.070	68,770
NSF	CCF-1253229	CAREER: A Formal Verification Platform Focused on Programmer Productivity	47.070	86,859
NSF	CCF-1301926	SHF: Medium: Collaborative Research: Transactional Software Infrastructures: Making the Most of Hardware Transactions	47.070	105,877
NSF	CCF-1314547	SHF: AF: Large: Collaborative Research: Parallelism without Concurrency	47.070	281,147
NSF	CCF-1317348	Collaborative Research: Visual Cortex on Silicon	47.070	135,866
NSF	CCF-1318384	SHF:Small: Scalable Memory Hierarchies with Fine-Grained QoS Guarantees	47.070	31,333
NSF	CCF-1318620	CIF: Small: Collaborative Research: Combinatorial Joint Source-Channel Coding	47.070	39,362
NSF	CCF-1319460	AF: Small: New Perspectives on Special Methods for Graph Algorithms	47.070	44,068
NSF	CCF-1319828	CIF:Small: Theory, Algorithms, and Applications of Super-Nyquist Coding	47.070	52,047
NSF	CCF-1348519	EAGER: Hybrid Analog-Digital Automata in Microbial Cells	47.070	125,461
NSF	CHE-0907905	Metal Coordination Compounds as Reporters for Biological NO	47.049	4,794
NSF	CHE-1012809	Detailed studies of the chemistry of alkoxy and alkylperoxy radicals in the multiphase oxidation of organic species	47.049	1,138
NSF	CHE-1019990	The Chemical Biology of Phosphorothioate Modifications of DNA in Bacteria	47.049	74,511
NSF	CHE-1058219	Accurate Photochemistry in the Condensed Phase	47.049	212,536
NSF	CHE-1058709	The Impact of Chirped Pulse Millimeter-Wave Technology on the Spectroscopy, Dynamics, and Manipulation of Molecules in Rydberg States	47.049	173,649
NSF	CHE-1111133	Multiple Metal-Carbon Bonds, Metallacycles and Catalytic Olefin Metathesis Reactions	47.049	173,078
NSF	CHE-1111357	Synthesis Using Group 15 Elements	47.049	145,462
NSF	CHE-1111557	Coherent spectroscopy and Coherent control of collective modes through shaped optical fields	47.049	245,750
NSF	CHE-1111567	New Cycloaddition and Annulation Strategies for Organic Synthesis	47.049	23,153
NSF	CHE-1112825	Theoretical studies of coherent energy transfer in photosynthetic systems	47.049	87,350

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	CHE-1212527	Highly Convergent and Stereoselective Synthesis of Heterodimeric Polycyclic Alkaloids	47.049	172,837
NSF	CHE-1212557	Two-Dimensional Infrared Spectroscopy of the Conformational Dynamics of Biomolecules	47.049	2,355
NSF	CHE-1213622	Near Infrared Fluorescent Single Walled Carbon Nanotubes as Novel Solution Phase Optical Sensing Materials	47.049	176,640
NSF	CHE-1265624	Collaborative Research: SI2-CHE:Developing First Principles Monte Carlo Methods for Reactive Phase and Sorption Equilibria in the CP2k Software Suite	47.049	21,518
NSF	CHE-1265770	Metal Coordination Compounds as Reporters for Biological NO	47.049	163,596
NSF	CHE-1306529	Collaborative Proposal: RUI:Functionalization of Single-Walled Carbon Nanotube Nanopores for Control of Molecular and Ionic Motion and Undergraduate Training in Nanopore Transport	47.049	1,229
NSF	CHE-1307664	Collaborative Research: Effects of Atmospheric Aging on the Surface vs. Bulk Composition of Atmospheric Organic Aerosol	47.049	51,550
NSF	CHE-1308839	A bioanalytical platform for interrogating the systems biology of tRNA modifications: Application to defining translational control mechanisms in bacterial stress responses	47.049	178,405
NSF	CHE-1314022	SEES Fellows: Recyclable Solid Supports as a Sustainable Platform Technology	47.049	125,092
NSF	CHE-1334703	DMREF: Analysis and Optimization of Polymer Networks for Emerging Applications	47.049	213,112
NSF	CHE-1352132	CAREER: Coordination Chemistry of Zinc-Chelating S100 Proteins and Biochemistry Partnership with a Regional University	47.049	31,448
NSF	CHE-1361865	Mechanisms for the Exchange of Energy between a Rydberg Electron and Its Ion-Core: Free Induction Decay Detected Pure Electronic Spectroscopy	47.049	26,257
NSF	CHE-1362118	Synthesis of d- and p-Block Element Molecules, Reagents, and Precursors (revised budget)	47.049	1,187
NSF	CMMI-0846554	CAREER: New Algorithmic Approaches to Computationally Challenging Stochastic Supply Chain and Revenue Management Models	47.041	71,912
NSF	CMMI-0900255	ARRA - Linguistics-based preference information modeling for design decision-making	47.082	-1,186
NSF	CMMI-0926671	A Robust Methodology for the Standoff Condition Assessment of FRP-Retrofitted Concrete Systems	47.041	6,485
NSF	CMMI-0970017	Collaborative Research: Optimal Gaits and Design for Locomoting Systems	47.041	66,690

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	CMMI-1000727	A Multi-Cellular PZT Actuator/Generator with Tunable Stiffness and Resonant Frequencies	47.041	10,050
NSF	CMMI-1029260	What Do Customers Like: A New Approach That Lets The Data Decide	47.041	71,400
NSF	CMMI-1029603	Online Optimization for Dynamic Resource Allocation Problems	47.041	8,686
NSF	CMMI-1031332	Statistical physics methods and algorithmic applications in graphical games and combinatorial optimization	47.041	26,106
NSF	CMMI-1054034	CAREER: Large Scale Stochastic Control: A Math Programming & Discrete Optimization Lens	47.041	130,922
NSF	CMMI-1063626	A chemo-thermo-mechanics theory: Application to high-termperature thermal barrier coatings	47.041	162,929
NSF	CMMI-1120724	SNM:: Digital Optofluidic Self Assembly of Hetergeneous Metamaterials	47.041	272,735
NSF	CMMI-1129894	Collaborative Research: Experimental and computational foundations for nonlinear pattern formation in the deposition of elastic rods	47.041	93,917
NSF	CMMI-1130791	Collaborative Research: A framework for modeling and measuring collaborative creativity in engineering design teams	47.041	11,559
NSF	CMMI-1153509	EAGER - Collaborative Research: New Concept of Sorption Hysteresis and Disjoining Pressure in Concrete and Other Adsorbent Microporous Solids	47.041	25,664
NSF	CMMI-1161893	GOALI:Hybrid Dynamic Feedback to Design Provably Correct Driving Support Systems for Safety and Efficiency	47.041	30,634
NSF	CMMI-1162034	Tractable Markdown Optimization for an E-tailer	47.041	90,267
NSF	CMMI-1162182	EAGER: Ionic Liquid Ion Sources and Nanomanufacturing	47.041	33,407
NSF	CMMI-1234062	The Power Of Limited Flexibility And Resource Pooling	47.041	69,389
NSF	CMMI-1234113	DynSyst_Special_Topics/Collaborative Research: A New Braid Theoretic Approach To Uncovering Transport Barriers In Complex Flows	47.041	101,426
NSF	CMMI-1234169	Templated Self-Assembly for Nanomanufacturing	47.041	160,396
NSF	CMMI-1235109	DMREF-GOALI- Computational and Experimental Discovery and Development of Additives for Novel Polymer Morphology and Performance	47.041	103,195
NSF	CMMI-1246740	SNM: Inverse Design of Nanostructured Heterogeneous Materials	47.041	464,217
NSF	CMMI-1254768	CAREER: Novel designs for Kidney Exchange and Other Markets, in the Intersection of OR, Econ and CS	47.041	76,683
NSF	CMMI-1332789	Computation of grain boundary energy landscapes as a tool for grain boundary engineering	47.041	37,050
NSF	CMMI-1333242	Pilot-wave Hydrodynamics	47.041	30,078

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	CMMI-1334304	Efficient Calibration Techniques for Stochastic Traffic Simulators	47.041	43,268
NSF	CMMI-1335155	Local Algorithms for Random Networks: Power, Limitations and Applications	47.041	192,807
NSF	CMMI-1344222	INSPIRE: Track 1: Programming Digital Materials: Additive Assembly of Integrated Electronics	47.041	213,925
NSF	CMMI-1345227	Participant Support -- Workshop: Uncovering Transport Barriers in Geophysical Flows	47.041	17,458
NSF	CMMI-1351449	CAREER: Smart Morphable Surfaces for Aerodynamic Drag Control	47.041	6,114
NSF	CMMI-1351619	CAREER: Advanced Mixed Integer Programming Formulations	47.041	1,522
NSF	CMMI-1363391	Control-Configured Underwater Robots for Precision Multi-Axis Maneuvering	47.041	4,323
NSF	CMMII-1334109	DMREF: Computational Design Principles for Functional DNA-based Materials	47.041	67,759
NSF	CNS-0707612	CRI: CRID: - Development of Alloy Tools, Technology and Materials	47.070	111,416
NSF	CNS-0831442	CT-M: Theory and Practice of Accountable Systems	47.070	6,550
NSF	CNS-0915164	ARRA - CSR:Small: CoreTime:Dynamic Computation Migration for Multicore System Software	47.082	20,537
NSF	CNS-0915629	NeTS: Small: KPBase: Core of the Knowledge Place for Network Management	47.070	7,177
NSF	CNS-0915988	ARRA - NeTS: Small Collaborative Research: Effective Control of Wireless Networks Via Topology Adaptation and Randomization	47.082	13,460
NSF	CNS-0931550	CPS:Medium: Vehicular Cyber-Physical Systems	47.070	232,503
NSF	CNS-0940520	Collaborative Research: BPC-DP: A Cultural Shift in Computer Science: Introducing Computatin through E-Textiles	47.070	3,716
NSF	CNS-1016213	CSR:Small:Incremental Sampling Methods for On-line Reactive Motion Planning With Temporal Logic Specifications	47.070	321,358
NSF	CNS-1017058	CSR: Small: Using Thread-Local Memory Mapping to Support Memory Abstractions for Dynamic Multithreading	47.070	1,456
NSF	CNS-1017800	TC: Small: Collaborative Research: Protecting Networks from Large-Scale Physical Attacks and Disasters	47.070	93,985
NSF	CNS-1035199	CPS:MEDIUM:Collaborative Research: Geometric Distributed Algorithms for Multi-Robot Coordination and Control	47.070	36,979
NSF	CNS-1040020	FIA: Collaborative Research: Mobility First: A Robust and Trustworthy Mobility Architecture for the Future Internet	47.070	77,474
NSF	CNS-1040023	FIA: Collaborative Research: NEBULA: A Future Internet that Supports Trustworthy Cloud Computing	47.070	59,565

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	CNS-1046733	CAREER: A Partial Order Approach to Dynamic Feedback in Multi-agent Decision and Control Systems	47.070	-121
NSF	CNS-1053143	CAREER: System-Wide Intrusion Recovery Using Selective Re-execution	47.070	41,086
NSF	CNS-1065114	CSR:Medium:Collaborative Research:Programming parallel in memory data-center applications with Piccolo	47.070	127,525
NSF	CNS-1111383	NeTS:Large:Collaborative Research: HyperFlow: A Novel Hybrid IP/ Flow Architecture	47.070	246,817
NSF	CNS-1116209	Nets: Small: Protection and Restoration in Wireless Mesh Networks	47.070	56,820
NSF	CNS-1116294	CSR:SHF:Small:Propagator-Based Computing---A Programming Foundation for Decentralized Systems	47.070	53,664
NSF	CNS-1116864	NeTS:Small:Encryption on the Air:Non-Invasive Security for Wireless Medical Devices	47.070	211,564
NSF	CNS-1117194	NeTS: Small: Random Access Heterogenous MIMO Networks	47.070	223,267
NSF	CNS-1161964	NeTS: Medium: Cortex: Rateless Wireless Networking Using Spinal Codes	47.070	282,020
NSF	CNS-1205402	CRI: CI-P: Collaborative: Reciprosody - A Repository for Prosodically Annotated Material	47.070	11,854
NSF	CNS-1212597	NeTs: LARGE: Collaborative Research: Exploration and Exploitation in Actuated Communication Networks	47.070	154,005
NSF	CNS-1217048	NeTS: Small: Toward Reducing Control Overheads in Wireless Networks	47.070	64,592
NSF	CNS-1219557	Integrated Future Internet Architecture	47.070	149,198
NSF	CNS-1228687	TWC: Medium: Collaborative Research: Policy Compliant Integration of Linked Data	47.070	65,931
NSF	CNS-1239054	CPS: Frontiers: Collaborative Research: Foundations of Resillent Cyber-physical Systems (FORCES)	47.070	217,944
NSF	CNS-1239182	CPS: Synergy:Collaborative Research: Formal Design of Semi-autonomous Cyberphysical Transportation Systems	47.070	203,675
NSF	CNS-1242938	Live Demonstration Event At The 14th GEC In Boston	47.070	-11
NSF	CNS-1255761	First Steps in Exploring Pervasive Persistent Identification for Information Centric Networking	47.070	34,607
NSF	CNS-1258691	Future Internet Architecture Investigator Meeting	47.070	-9,872
NSF	CNS-1258905	Workshop on Multi-spectrum Metrics for Cyber Defense	47.070	27,667
NSF	CNS-1301934	CSR:Medium:Collaborative Research:The Commutativity Rule for Scalable Systems Software	47.070	23,948
NSF	CNS-1317763	TWC: Small: Ascend: Architecture for Secure Computation on Encrypted Data	47.070	13,598

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	CNS-1339471	Workshop: Spring 2013 Future Internet Architecture investigator meeting	47.070	54,533
NSF	CNS-1347279	SATC: Collaborative Research: Holistic security for cloud computing: Oblivious computation	47.070	2,056
NSF	CNS-1347364	EAGER: Holistic Security for Cloud Computing: Computing on Encrypted Data	47.070	79,425
NSF	CNS-1350685	CAREER: Practical Algorithms and Fundamental Limits for Complex Cyber-Physical Systems	47.070	21,554
NSF	CNS-1405863	CI-P: Toward Unified Tool Support for Linguistic Corpus Annotation	47.070	17,386
NSF	DBI-0644282	CAREER Compartive Genomics and Biological Signal discovery in the Human Genome	47.074	355,227
NSF	DBI-0852654	IDBR: Development of an Iso-dielectric Separation System for Large-Scale Quantitave Cell Screens	47.074	-20,749
NSF	DBI-1103600	NSF Postdoctoral Fellowship in Biology FY 2010 - GF for J. Giraldo	47.074	5,642
NSF	DBI-1120200	MPS-BIO: Collaborative Research: Physical Mechanisms Regulating Sperm Chemotaxis	47.074	121,710
NSF	DBI-1146747	ABI Innovation: Interactive Learning Tools for Individual Identification in Large Biological Image Databases	47.074	75,952
NSF	DEB-0936234	Assembling the Tree of Life: Can Phylogenomics Resolve Deep Phylogeny?	47.074	-16,871
NSF	DEB-1145734	Microevolution and population dynamics of Prochlorococcus cells in the ocean: Insights through single-cell genomics	47.074	126,008
NSF	DGE-0801525	IGERT: Interdisciplinary Quantum Information Science & Engineering	47.076	612,338
NSF	DGE-1122374	Graduate Research Fellowship Program	47.076	15,275,127
NSF	DMR-0819762	CMSE - Parent	47.049	3,360,225
NSF	DMR-0845287	CAREER: Exploration of novel quantum phenomena and relativistic-like quantum dynamics in graphene nanoelectronic devices	47.049	33,639
NSF	DMR-0845296	ARRA - CAREER: Non-equilibrium Dynamics in Cuprate Superconductors Studied by Coherent Ultrafast Spectroscopy and Ultrafast Electron Diffraction	47.082	98,102
NSF	DMR-0845358	CAREER: Understanding the Chemical Vapor Deposition Synthesis of Graphene Science, Application and Education	47.049	15,980
NSF	DMR-1004147	Photophysical Studies of Nanocarbons	47.049	126,280
NSF	DMR-1005434	Physics Near the Mott Transition	47.049	62,966
NSF	DMR-1005541	Physical Properties of Strongly Correlated Quantum Liquids	47.049	55,929

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	DMR-1005810	Synthesis and Organization of Electronic Molecular and Polymeric Materials	47.049	1,597
NSF	DMR-1005926	Spin Bath of a Central Spin System in Diamond: Polarization and Coherent Control	47.049	10,814
NSF	DMR-1006147	Collaborative Research: Hierarchically Assembled Viral-Synthetic Hybrid Microentities	47.049	79,770
NSF	DMR-1007760	Materials World Network: Triblock Terpolymers for Self-assembled Nanolithography	47.049	89,742
NSF	DMR-1007793	Materials World Network: Novel Catalyst Systems for Carbon Nanotube (CNT) Synthesis and their Underlying Mechanisms	47.049	139,401
NSF	DMR-1054671	CAREER: Self-Healing Under Flow: From Single Molecule Dynamics to Regenerative Scaffold Formation	47.049	102,700
NSF	DMR-1055583	CAREER "Stretching" Oxides to Low Temperature Transport and Reactivity	47.049	317,946
NSF	DMR-1104394	Tunneling and Bulk Resistance Measurements in the Fractional Quantum Hall States	47.049	120,697
NSF	DMR-1104498	Physics of Strong Disorder and Correlation	47.049	96,060
NSF	DMR-1104610	Mechanisms of Stress and Structure Evolution During Processing of Polycrystalline Thin Films	47.049	103,480
NSF	DMR-1104912	Ferromagnetic Magnetooptical Oxides for Nonreciprocal Photonic Devices	47.049	370,294
NSF	DMR-1107339	Materials World Network: Quantum Size Effects in Semiconducting V2VI3 and IV-VI-based Thin Film and Bulk Stuctures and Control of Their Thermoelectric Properties	47.049	63,932
NSF	DMR-1150862	Career: Connecting interface structure to interface-defect interactions in metals	47.049	87,273
NSF	DMR-1206323	Perturbed Fluctuations & Patterns	47.049	116,419
NSF	DMR-1207469	Investigating Two-Dimensional Systems and Surface States Under the Influence of an Internal Exchange Field and Spin-Filtering	47.049	118,223
NSF	DMR-1240933	Materials World Network: Collaborative Research: Modeling Ferroelastic Strain Glasses	47.049	54,455
NSF	DMR-1242334	Future Faculty Workshop: Diverse Leaders of Tomorrow	47.049	50,123
NSF	DMR-1253306	CAREER: Self-Assembly of Fusion Proteins to Form Biofunctional Materials	47.049	82,939
NSF	DMR-1305741	Novel Phases of Electronic Mott insulators	47.049	61,486
NSF	DMR-1307064	Structured Rigid Rod Framework Gels from Clickable Synthetic Polypeptides	47.049	76,445
NSF	DMS - 1004395	Postdoctoral Research Fellowship - K. Datcher	47.049	1,512
NSF	DMS - 1103873	MSPRF - K. Ormsby	47.049	3,332

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	DMS-0758262	Mathematical Sciences Geometric Methods in the Representation Theory of Affine Hecke Algebras, Finite Reductive Groups and Quantum Groups	47.049	3,036
NSF	DMS-0805841	Low Dimensional Topology and Gauge Theory	47.049	213,042
NSF	DMS-0813648	Capturing subgrid structures with level set methods	47.049	3,568
NSF	DMS-0844188	ARRA - CAREER: The Symplectic Categrory, Floer Field Theory, and Relations to Gauge Theory and Topology	47.082	47,871
NSF	DMS-0854774	FRG: Collaborative Research: Mean curvature flow as a tool in low dimensional topology	47.049	50,895
NSF	DMS-0900907	ARRA - W-algebras and Algebraic Group Actions	47.082	2,216
NSF	DMS-0900996	Algebraic Structures Arising in Physics	47.049	1
NSF	DMS-0905950	Collaborative Research: Homotopy Theory: Applications and New Dimensions	47.049	195,174
NSF	DMS-0907955	The stability of hydraulic jumps: analysis, computation, and experiment	47.049	25,038
NSF	DMS-0934689	CMG Collaborative Research: Imaging Magnetization Distributions in Geological Samples	47.049	48,301
NSF	DMS-0943787	EMSW21-RTG: Geometry and Topology	47.049	358,940
NSF	DMS-0946296	CAREER: Random Surfaces and Conformal Probability	47.049	-45
NSF	DMS-0952486	CAREER: Lattices and Sphere Packings, Arithmetic Geometry and Computational Number Theory	47.049	70,924
NSF	DMS-1000113	Tensor categories, quantum groups, and Hecke algebras	47.049	88,259
NSF	DMS-1005288	Cohomological methods in symplectic topology	47.049	95,755
NSF	DMS-1005539	High Dimensional Inference and Signal Recovery - revised budget	47.049	-837
NSF	DMS-1005696	Spectral problems in semi-classical analysis, wave and heat trace asymptotics and group actions on symplectic manifolds	47.049	44,980
NSF	DMS-1007790	Geometrical algorithms for the inverse scattering of waves	47.049	-1,179
NSF	DMS-1007967	Collaborative Research: Phantom traffic jams, continuum modeling, and connections with detonation wave theory	47.049	31,840
NSF	DMS-1016125	Collaborative Research: Theory and Algorithms for Beta Random Matrices: The Random Matrix Method of Ghosts and Shadows	47.049	146,262
NSF	DMS-1022356	The Fluid Dynamics of Respiratory Disease Transmission	47.049	-5,946
NSF	DMS-1025302	CMG Collaborative Research: Nonlinear elastic-wave inverse scattering and tomography - from cracks to mantle convection	47.049	61,884
NSF	DMS-1035400	Of Randomness and Disorder: A New Paradigm for Solar Materials Simulation	47.049	272,831

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	DMS-1050466	CAREER: ARITHMETIC STRUCTURE OF HOMOTOPY THEORY	47.049	56,560
NSF	DMS-1054622	Minimal Model Program	47.049	2,525
NSF	DMS-1056390	Growth of Random Surfaces	47.049	100,654
NSF	DMS-1068625	Studies in Algebraic and Enumerative Combinatorics	47.049	125,403
NSF	DMS-1068815	New perspectives on dispersive equations	47.049	102,835
NSF	DMS-1069197	Problems in Ramsey theory and extremal combinatorics	47.049	66,334
NSF	DMS-1069225	Free Boundaries, Level Surfaces, and Stochastic Growth	47.049	40,753
NSF	DMS-1069236	Random maximal isotropic subspaces and Selmer groups	47.049	82,313
NSF	DMS-1100147	Algebraic and Geometric Combinatorics	47.049	130,351
NSF	DMS-1100943	Representation Theory of Reductive Groups over Local Fields	47.049	28,751
NSF	DMS-1102434	Categories of sheaves, canonical bases and harmonic analysis	47.049	94,827
NSF	DMS-1104000	MSPRF - P. Hand	47.049	3,809
NSF	DMS-1104392	Mean Curvature Flow, Manifolds with Ricci curvature bounds, Representations of Isometry groups, and Eigenfunctions	47.049	54,025
NSF	DMS-1104690	Contact manifolds and Heegaard Floer homology	47.049	24,442
NSF	DMS-1107335	Dynamics of Nonlinear Internal Wave Beams in Stratified Flows	47.049	15,854
NSF	DMS-1115406	Collaborative Research: A Field Expansion Method For Acoustic Scattering From Topography: Extensions to Elasticity and The Inverse Problem	47.149	54,323
NSF	DMS-1115455	Computational methods in arithmetic geometry	47.049	31,229
NSF	DMS-1161129	Electromagnetic Inverse Problems: Visibility and Invisibility	47.049	38,553
NSF	DMS-1162211	The Global Analysis of Fluids in General Relativity	47.049	53,435
NSF	DMS-1162250	Arithmetic Applications of the Trace Formula	47.049	28,903
NSF	DMS-1200656	Boundedness and Termination	47.049	150,864
NSF	DMS-1208998	Exact solvability of the Kardar-Parisi-Zhang stochastic partial differential equation	47.049	4,746
NSF	DMS-1209044	Liouville quantum gravity and conformal probability	47.049	146,468
NSF	DMS-1211517	Qualitative dynamics in the Stefan problem with and without surface tension	47.049	16,793
NSF	DMS-1238309	MIT PRIMES: Program for Research In Mathematics, Engineering, and Science for High School Students	47.049	100,460
NSF	DMS-1255203	CAREER: Super-Resolution and Subwavelength Imaging	47.049	21,544
NSF	DMS-1265196	FRG: Collaborative Research: Wall-crossings in Geometry and Physics	47.049	4,446

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	DMS-1265263	FRG: Collaborative Research: Birational Geometry and Singularities in Zero and Positive Characteristic	47.049	51,365
NSF	DMS-1302000	Periods and special values of L-functions for unitary groups	47.049	46,656
NSF	DMS-1303060	Mathematical Sciences: Geometric methods in the representation theory of affine Hecke algebras, finite reductive groups and character sheaves	47.049	82,534
NSF	DMS-1307390	Dualizing modules in algebra and geometry	47.049	43,501
NSF	DMS-1307704	Random matrices, free probability and the enumeration of maps	47.049	70,724
NSF	DMS-1308684	Pseudoholomorphic Curves in Topology and Symplectic Geometry	47.049	17,046
NSF	DMS-1312831	Applied Free Probability Theory	47.049	29,949
NSF	DMS-1318942	Collaborative Research: Gradient-augmented level set methods and jet schemes	47.049	32,681
NSF	DMS-1322213	I. M. Gelfand Centennial Conference: A View of 21st	47.049	30,000
NSF	DMS-1339299	Foliation theory in Algebraic Geometry	47.049	19,156
NSF	DMS-1350472	CAREER: Motives: Voevodsky versus Kontsevich	47.049	14,568
NSF	DMS-1352121	CAREER: Extremal Combinatorics: Methods, Problems, and Challenges	47.049	22,969
NSF	DMS-1358171	Representation Theory and applications to Combinatorics, Geometry and	47.049	26,432
NSF	DMS-1362703	Representations of Reductive Groups, May 19-23, 2014	47.049	16,171
NSF	DMS-1408398	Mean curvature flow and geometric analysis	47.049	89,709
NSF	DRL-0714655	Terrascope Youth Radio	47.076	4,510
NSF	DRL-0744213	CAREER: Curiosity, exploratory play, and the foundations of scientific inquiry	47.076	-10,641
NSF	DRL-1019228	DRK12-BioGraph: Graphical Programming for Constructing complex Systems Understanding in Biology	47.076	453,048
NSF	DRL-1019396	ScratchEd: Working with Teachers to Develop Design-Based Approaches to the Cultivation of Computational Thinking	47.076	403,387
NSF	DRL-1020152	Collaborative Research: INK-12: Teaching and Learning Using Interactive Ink Inscriptions in K-12	47.076	392,540
NSF	DRL-1022684	Origins of numerical competence: Assessment of number sense in Piraha	47.076	50,396
NSF	DRL-1049718	Kreyol-Based and Technology-Enhanced Learning of Reading, Writing, Math, and Science in Haiti	47.076	-7,596
NSF	DRL-1118682	Collaborative Research: ScratchJr: Computer Programming in early childhood education as a pathway to academic readiness and success	47.076	180,309

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	DRL-1223256	Collaborative Research: Broad Implementation of Science Festival Alliance	47.076	255,557
NSF	DRL-1258448	Understanding the edX MOOC: How can "Circuits and Electronics" (6.002x) help us understand the MOOC learning experience?	47.076	129,337
NSF	DRL-1322623	Full-Scale Development: Collaborative Research: NEXT: The Youth Radio Innovation Lab	47.076	26,838
NSF	DUE-0817400	Collaborative Research: Recurring Patterns in Molecular Science: Reusable Learning Resources	47.076	36,343
NSF	DUE-1043632	Mathematics Communication Space: Resource for Educators	47.076	2,787
NSF	DUE-1044294	Assessing, Improving and Guiding Users to NSDL Resources	47.076	13,748
NSF	DUE-1122616	Development and evaluation of StarCellBio: a cell biology experiment simulator for science education	47.076	101,897
NSF	DUE-1225680	Collaborative Research: Computational Thinking through Mobile Computing	47.076	4,727
NSF	EAR-0807475	Collaborative Research: The Siberian Traps and the End-Permian Extinction: Coincidence and Causality	47.050	110,160
NSF	EAR-0807476	Collaborative Research: The Siberian Traps and the End-Permian Extinction: Coincidence and Causality	47.050	112,584
NSF	EAR-0807585	Collaborative Research: The Siberian Traps and the End-Permian Extinction: Coincidence and Casualty	47.050	136,136
NSF	EAR-0838488	Present-Day Kinematics and Dynamics of The Eastern Mediterranean	47.050	117
NSF	EAR-0910721	ARRA - New Theory and Methods for Rainfall Extremes	47.082	50,487
NSF	EAR-0930166	Collaborative Research: Analytical Techniques and Software: Development of CyberInfrastructure to Support Laser-Ablation ICP Mass Spectrometry	47.050	35,981
NSF	EAR-0946280	Environmental Determinants of Malaria Transmission in Africa: Hydrology of water Pools Near Villages	47.050	114,647
NSF	EAR-0947969	Collaborative Research: Space-Based Measurements of Crustal Deformation Along the Entire Dead Sea Fault System (Eastern Mediterranean)	47.050	18,102
NSF	EAR-0948388	Collaborative Research: tectonic links, magma fluxes, and single mineral geochemistry in plutonic magmatic systems from 5-30 km depth, Cascades core,	47.050	38,916
NSF	EAR-0951672	Field and numerical studies of self-organization in high-order drainage networks	47.050	125,377
NSF	EAR-0968863	Collaborative Research: CSEDI - Grand Challenge for Experimental study of Plastic Deformation Under Deep Earth Conditions	47.050	115,695

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	EAR-1024196	Collaborative Research: High-Precision U-Pb Zircon Geochronology of the Late Triassic Chinle Fluvial System of the Colorado Plateau	47.050	21,157
NSF	EAR-1045193	Collaborative Research: Characterization and Mechanistic Modeling of Methane Production, Flow and Ebullition from Fine-Grained Sediments in a Temperature Lake	47.050	156,369
NSF	EAR-1114161	Collaborative Research: Water and Carbon Dynamics in Tropical Peat Lands - Comparison of a Forested Peat Dome with A Deforested Peat Dome in Borneo	47.050	112,703
NSF	EAR-1118562	Microstructure in Marble: Evolution of strength in natural and laboratory deformation	47.050	160,733
NSF	EAR-1118598	Experimental Investigations on the Role of H2O in Subduction Zone Processes	47.050	154,476
NSF	EAR-1118883	Collaborative Research: Evaluating the Influence of Eocene Ridge Subduction on Magmatism, Deformation, and Basin Evolution, Pacific NW	47.050	57,032
NSF	EAR-1140970	The Impact of Blade Motion on the Flux to a Blade Surface	47.050	128,555
NSF	EAR-1144883	EAR-PF: Characterizing small changes in the Earth from time-reversed multiply-scattered Rayleigh waves - PDF-D.Mikesell	47.050	2,382
NSF	EAR-1147685	Collaborative Research: Using Molecular Fossils to Investigate Environmental Peturbation During the End-Triassic Mass Extinction: Global vs. Local Signals	47.050	1,958
NSF	EAR-1147755	Investigating the Biological Function of Sterols and Hopanoids in the Bacterium Methylococcus capsulatus	47.050	34,784
NSF	EAR-1159318	Physiological underpinnings of sulfur isotope effects produced by sulfate reducing microbes	47.050	98,408
NSF	EAR-1219778	Collaborative Research: Absolute-dated records of Lake Quaternary paleohydrology in the bonneville Basin, wertern U. S., from novel archives	47.050	-312
NSF	EAR-1225865	Collaborative research: Laboratory and numerical experiments on the response of wave ripples to changes in oscillatory flow	47.050	27,014
NSF	EAR-1226293	EAGER: Determining When Earth's Magnetic Field Originated	47.050	17,606
NSF	EAR-1246577	Collaborative Proposal: Postseismic deformation of the Izmit-Duzce, Turkey earthquake sequence: implications for the mechanics of the earthquake cycle and rheology of the continental lithosphere	47.050	89,515
NSF	EAR-1249295	EAR-PF: An Investigation of Continental Rift-Parallel Deformation - PDF - D.S. Stamps	47.050	1,132
NSF	EAR-1250394	Application of quantum cascade laser-infrared absorption spectroscopy for methane clumped isotope thermometry using doubly isotope substituted methane (13CH3D)'	47.050	31,930

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	EAR-1321889	Influence of Titanium on Water Incorporation, Rheology and Seismic Properties of Olivine	47.050	163,371
NSF	EAR-1321952	Collaborative Research: Early earth evolution: Hf and Nd isotopic constraints from the ca 3.4--4.0 Ga Acasta Gneisses	47.050	27,703
NSF	EAR-1322032	A field study of the liquid line of descent of hydrous alkaline-rich magmas at elevated pressures (0.5-1.0 GPa): the Dariv alkaline intrusive complex	47.050	16,130
NSF	EAR-1338318	ELT Collaborative Research: Perturbation of the Marine Food Web and Extinction During the Oceanic Anoxic Event at the Cenomanian/Turonian Boundary	47.050	19,016
NSF	EAR-1347282	Collaborative Research: Active Kinematics of Lithospheric Extension Along the East African Rift	47.050	20,768
NSF	EAT-1321796	Active deformation in the Arabia-Eurasia continental collision zone	47.050	87,294
NSF	ECCS-0745237	CAREER: Practical Algorithms for Next Generation Air Transportation Systems	47.041	137,015
NSF	ECCS-0844994	ARRA - CAREER: Circuit and System Techniques for High-Throughput, Energy-efficient Silicon Photonic Interconnects in Advanced VLSI Systems	47.082	130,893
NSF	ECCS-0846628	ARRA - CAREER: Terahertz Electronics based on Nitride Nanowire Transistors	47.082	44,306
NSF	ECCS-0941043	CDI Type I: Collaborative Research: Integration of relational learning with ab-initio methods for prediction of material properties	47.041	-3,660
NSF	ECCS-1001994	Organic Polariton Microcavities for Ultra-Low Energy Switching	47.041	28,331
NSF	ECCS-1027905	A New Paradigm for Understanding and Controlling Systemic Risks in Financial Markets	47.041	37,276
NSF	ECCS-1027922	Novel Game-Theoretic Tools and Solution Concepts with Applications to Network Dynamics and Control	47.041	38,926
NSF	ECCS-1101798	Low Energy Magnetic Domain Wall Logic	47.041	-13,474
NSF	ECCS-1102050	EPAS: Hierarchical Characterization of Optoelectronic Hyperdoped Silicon Devices for Terawatt-Scale Photovoltaics	47.041	15,471
NSF	ECCS-1128147	Decision making under coupled multi-timescale uncertainty: advanced electric power systems planning	47.041	159,958
NSF	ECCS-1128222	Engineering and Physics of Superconducting Nanowire Single-Photon Detectors	47.041	172,293
NSF	ECCS-1128226	Energy-Efficient Compressed Sensing: A Joint Algorithmic/Implementation Approach Using Deterministic Sensing	47.041	22,947
NSF	ECCS-1128437	Collaborative Research: Power Grid Spectroscopy	47.041	140,442

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	ECCS-1135843	CPS:Medium:Collaborative Research:Smart Power Systems of the Future:Foundations for Understanding Volatility and Improving Operational Reliability	47.041	110,979
NSF	ECCS-1150493	CAREER: Active Transducers for MEMS Resonators in Integrated Circuit Technology	47.041	76,148
NSF	ECCS-1150878	CAREER: Toward robust, scalable, and non-intermittent solar power: Silicon-based multijunction devices with integrated photocatalysis	47.041	167,274
NSF	ECCS-1201649	High Temperature Terahertz Quantum Cascade Lasers	47.041	95,970
NSF	ECCS-1231348	Collaborative Research: Monolithic on-chip resonant cavity isolators for photonic integrated circuits	47.041	69,306
NSF	ECCS-1307699	Advanced Technologies for Ultra-Efficient Grid-Level Power Converters	47.041	15,096
NSF	ECCS-1321752	Support of student travel to the EIPBN conference To be Held At the Gaylord Opryland Resort, Nashville, Tennessee, May 28-31, 2013	47.041	-986
NSF	ECCS-1344005	EAGER: Super-Resolution Microscopy and Quantum Assisted Sensing Using Multifunctional Diamond Nanoprobes	47.041	12,488
NSF	ECCS-1348328	Collaborative Research: ARI-LA: Low-Dose Inspection for Nuclear Threats Using Monochromatic Gamma-Rays	47.041	95,355
NSF	ECCS-1408172	Spin-Orbitronics: Interfacial Design of Spintronic Materials and Devices	47.041	58,979
NSF	EECS-1128439	Electric Field Control of Spin Dynamics in Metal Spintronic Devices	47.041	42,867
NSF	EECS-1135815	CPS: Medium: Collaborative Research: Co-Design of Multimodal CPS Architectures and Adaptive Controllers	47.041	226,752
NSF	EF-1137306	Type 2: The Future of Ecosystems and Extremes: Using Diverse Environmental Data Sets in	47.074	819,604
NSF	EFRI-0735956	EFRI-ARESCI: Foundations for Reconfigurable and Autonomous Cyber-Physical Systems; Cyber-Cities and Cyber-Universities	47.041	8,000
NSF	EFRI-1023152	Layered Systems, Industries and Organizations	47.041	63,051
NSF	EFRI-1240383	EFRI-ODISSEI: Programmable Origami for Integration of Self-Assembling Systems in Engineered Structures	47.041	673,790
NSF	EFRI-1332250	EFRI-BioFlex: A Flexible Glucose Fuel Cell.	47.041	255,373
NSF	IIP-1414293	PFI:AIR - TT: A Platform for Multi-Material Fabrication	47.041	4,750
NSF	IIS-0085725	ITR: Social and Economic Implications of Information Technoogy: What is Really Happening?	47.070	0
NSF	IIS-0546467	Career: Model Probability Planning for Mobile Robots	47.070	-6,499
NSF	IIS-0704424	III-COR - ChunkyStore: Physical Database Design for Next-Generation Databases	47.070	87,913

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	IIS-0746194	CAREER: Machine Learning Control of Underactuated Mechanical Systems	47.070	58,208
NSF	IIS-0747120	CAREER: Integrated System for Object and Scene Recognition	47.070	-4,807
NSF	IIS-0835652	CDI-Type II: Exploiting Collective Human Knowledge to understand and Evolve Complex Networked Systems	47.070	542,412
NSF	IIS-0904594	Computational Mechanisms for Storing Motor Memories in Noisy Neural Circuits: How Activity Patterns Evolve during Learning	47.070	50,098
NSF	IIS-0904625	Finding Structure in the Space of Activation Profiles in fMRI	47.070	28,088
NSF	IIS-0915148	RI:Small:Randomized Feedback Motion Planning with Computational Lyapunov Certificates	47.070	77,618
NSF	IIS-0963285	Collaborative Research: Measuring Collective Intelligence	47.070	189,905
NSF	IIS-0964269	RI; Medium; Collaborative Research: Unlocking Biologically-Inspired Computer Vision: A High-Throughput Approach	47.070	-1,070
NSF	IIS-1002713	Major: Scratch 2.0: Cultivating Creativity and Collaboration in the Cloud	47.070	-136
NSF	IIS-1010363	US-German Collaboration: The Role of Astrocytes in Information Processing	47.070	240,517
NSF	IIS-1016862	RI: Small: Hierarchial Visual Scene Understanding	47.070	173,325
NSF	IIS-1016998	HCC-Small: Tactile communication in human-computer interactions	47.070	5,480
NSF	IIS-1017862	High resolution tactile sensing	47.070	61,548
NSF	IIS-1017992	RI: Small: Plan Execution for Continuous Dynamical Risk Bounds	47.070	130,856
NSF	IIS-1018055	HC: Small: Enabling and Exploring Natural Interaction	47.070	135,319
NSF	IIS-1028163	CDI-Type II: Collaborative Research: A Paradigm Shift in Ecosystem & Environmental Modeling: An Integrated Stochastic, Deterministic & Machine Learning Approach	47.070	73,560
NSF	IIS-1029585	Collaborative Research: Behavior Imaging: Enabling a Quantitative Science of Behavior through Computational Sensing	47.070	486,898
NSF	IIS-1047567	Workshop on Collective Intelligence	47.070	24,675
NSF	IIS-1053235	CAREER: Material Computing for Everyone: Democratizing Creative Computing via Unexpected Materials and Cultures	47.070	3,058
NSF	IIS-1053398	CAREER Digital Privacy and Regulation	47.070	9,548
NSF	IIS-1064495	CAREER: Computing for Advanced Identity Representation	47.070	107,630
NSF	IIS-1065079	SHB: Collaborative Research:Medium:Novel Computational Techniques for Cardiovascular Risk Stratification	47.070	184,344
NSF	IIS-1065219	IIII: Medium Scalable and Secure Database as a Service	47.070	359,917

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NSF	IIS-1111044	Collaborative Research: Programming with Crowds: Models and Tools for General-Purpose Crowdsourcing	47.070	59,598
NSF	IIS-1111371	III Large: Collaborative Research: SciDB- An Array oriented Data Management System for Massive Scale Scientific Data	47.070	176,251
NSF	IIS-1111415	RI:Large:Collaborative Research:Analyzing images through time	47.070	251,885
NSF	IIS-1115680	CGV:RI:Small:Inverse Light Transport under Femto-Photography and Transient Imaging	47.070	292,694
NSF	IIS-1116057	Collaborative Research:HCC:Small:Cloud Primer: Leveraging Common Sense Computing to Learn Parent-Child Interaction Models for Easy Childhood Literacy	47.070	65,732
NSF	IIS-1116296	HCC:CGV:Small:Collaborative Research:From Virtual to Real	47.070	83,018
NSF	IIS-1116303	CGV: Small: Collaborative Research: Sparse Reconstruction and Frequency Analysis for Computer Graphics Rendering and Imaging.	47.070	72,159
NSF	IIS-1116452	Collaborative Research:CGV:RI:Small:AdaCID:Adaptive Coded Imaging and Displays	47.070	87,226
NSF	IIS-1117093	HCC:Small:Packaging Optimization for Next-Generation Implantable Human-Computer Interface Devices	47.070	6,077
NSF	IIS-1117178	RI:Small:Collaborative Research:Adaptive Sampling with Robots for Marine Observations	47.070	10,306
NSF	IIS-1117325	RI:Small:Hierarchical Planning For Robots In Complex Uncertain Domains	47.070	184,622
NSF	IIS-1122886	DIP: Collaborative Research: Social Robots as Mechanisms for Language Instruction, Interaction, and Evaluation in Pre-School Children	47.070	108,868
NSF	IIS-1133224	EAGER: Underwater Optical Communication and Perception	47.070	18,628
NSF	IIS-1144663	EAGER :The Climate CoLab: A System for Very Large-Scale Model-Based Group Problem-Solving	47.070	18,722
NSF	IIS-1161731	CGV: Medium: Collaborative Research: Understanding Translucency: Physics, Perception, and Computation	47.070	101,384
NSF	IIS-1161909	RI: Medium: Collaborative Research: Hybrid Unmanned Aerial Vehicles that Interact with Surfaces	47.070	43,289
NSF	IIS-1212849	RI: Large: Collaborative Research: Reconstructive recognition: Uniting statistical scene understanding and physics-based visual reasoning	47.070	63,546
NSF	IIS-1218411	CGV: Small: Collaborative Research: Diffractive masks and algorithms for light field capture	47.070	86,880
NSF	IIS-1226883	NRI-Large: Collaborative Research: Soft Compliant Robotic Augmentation for Human-Robot Teams	47.070	177,477

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	IIS-1227504	Collaborative Research: NRI-Large: Purposeful Prediction: Co-robot Interaction via Understanding Intent and Goals	47.070	194,039
NSF	IIS-1237136	SHB:Type II (INT): Collaborative Research: Algorithmic Approaches to Personalized Health Care	47.070	49,568
NSF	IIS-1248066	INSPIRE: Kreyol-based Cyberlearning for a New Perspective on the Teaching of STEM in local Languages	47.070	335,860
NSF	IIS-1250802	EAGER: Collaborative Research: Technology to Support | Mathematical Argumentation	47.070	5,357
NSF	IIS-1307645	CRCNS: Computational Approaches to Uncover Neural Representation of Population Codes in Rodent Hippocampal-Cortical Circuits	47.070	106,145
NSF	IIS-1313847	WORKSHOP: Student Consoritum at the 2013 ACM Conference on Intelligent User Interfaces	47.070	2,683
NSF	IIS-1317445	NRI:Small:Collaborative Research: Adaptive Motion Planning and Decision-Making for Human-Robot Collaboration in Manufacturing	47.070	3,727
NSF	IIS-1318215	HCC:Small:Thermal Displays in Human Computer Interactions	47.070	55,781
NSF	IIS-1318392	RI: Small: Robust and Long-Term Visual Mapping and Localization	47.070	31,242
NSF	IIS-1329776	CRCNS 2013 PI meeting at MIT, Cambridge, MA	47.070	19,452
NSF	IIS-1348911	INDP: Collaborative Research: Coding for All: Interest-Driven Trajectories to Computational Fluency	47.070	40,913
NSF	IIS-1405259	NRI-Small: Improved safety and reliability of robotic systems by faults/anomalies detection from uninterpreted signals of computation graphs	47.070	120,228
NSF	IOS-1146634	Collaborative Research: evolution of Multicellularity: Fluid Mechanics of Feeding by Unicellular vs. Multicellular Choanoflagellates	47.074	131,153
NSF	MCB-0844442	Career Dissecting the Molecular Determinants of Specificity in Two Component Signal Transduction Systems	47.074	132,128
NSF	MCB-0950233	Coiled-coil modules for molecular engineering and synthetic biology	47.074	160,120
NSF	MCB-1331195	Collaborative Research: Nitroplast: A Light-Driven, Synthetic Nitrogen-Fixing Organelle	47.074	190,909
NSF	MCB-1337431	Creating a Research Agenda for the Ecological Implications of Synthetic Biology	47.074	213,709
NSF	MCB-1350625	CAREER: Deciphering and Engineering Biological State Machines with Synthetic Biology	43.074	39,514
NSF	OCE-0751358	Mass Exchange Between Flexible Submerged Canopies and Adjacent Open Water	47.050	-2,864

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	OCE-0825376	Collaborative Research Critical Layers and Isopycnal Mixing in the Southern Ocean	47.050	12,232
NSF	OCE-0926204	Collaborative Research: Management and Logistics Operations for the U.S. GEOTRACES Zonal North Atalantic Survey Section	47.050	10,073
NSF	OCE-0930866	Collaborative Research ETBC: Combined Experimental and Theoretical Study of the Physical Mechanisms Underlying Deposition, Degredation and Preservation of Marine Organic Carbon	47.050	11,531
NSF	OCE-0961711	Studies of Multiple Equilibria in Ocean-Atmosphere-Ice Simulations of Aquaplanets	47.050	87,399
NSF	OCE-0961713	Collaborative Research: The Physics and Statistics of Global Sea Level Change	47.050	304,157
NSF	OCE-1024198	CMG Collaborative Research: From internal waves to mixing in the ocean	47.050	106,947
NSF	OCE-1029900	The Biogeography of primary producers in the subpolar North Atlantic	47.050	199,494
NSF	OCE-1048926	Collaborative Research Type 2 - MOBY: Modeling Ocean Variability and Biogeochemical Cycles	47.050	417,410
NSF	OCE-1060735	Collaborative Research: Beyond the Instrumental Record - the Ocean Circulation at the last Glacial maximum and the deglacial sequence	47.050	88,583
NSF	OCE-1061160	Collaborative Research: Causes and Effects of Shelf-edge Internal Tide Variability	47.050	128,787
NSF	OCE-1129359	Linking single-cell growth rates and genomics of bacterioplankton	47.050	64,836
NSF	OCE-1129746	Collaborative Research: Submarine Melting of Greenland's Glaciers: What are the relevant ocean dynamics?	47.050	183,389
NSF	OCE-1129757	Assessing the importance of deep ocean topographic scattering of low mode internal tides	47.050	112,577
NSF	OCE-1153588	Nitrate assimilation and the ecology of Prochlorococcus: Features and implications of intraspecific diversity in a model marine phototroph	47.050	157,904
NSF	OCE-1155205	Collaborative Research: Forcing and the North Atlantic Spring Bloom	47.050	197,057
NSF	OCE-1155295	Models of the Ocean Carbonate cycle and the Glacial-Interglacial CO2 Variations	47.050	202,302
NSF	OCE-1232725	4D Imaging of Oceanic Transform Fault Material Properties Variations During the Earthquake Cycle	47.050	114,240
NSF	OCE-1233257	Collaborative Research: Experimental Study of Mineral-Fluid Fractionation of Non-Traditional Isotopes (Fe, Cu, Zn, S) with Implications for Seafloor Hydrothermal Systems	47.050	27,694

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	OCE-1233749	Collaborative Research: GEOTRACES Pacific section: Spatial variability of lead concentrations and isotopic compositions in the Eastern Tropical South Pacific	47.050	228,090
NSF	OCE-1233832	Collaborative Research: Diagnosing Eddy mixing in DIMES	47.050	183,181
NSF	OCE-1259388	Ocean carbon reservoirs and the air-sea flux of CO2 in a changing climate	47.050	85,524
NSF	OCE-1265343	Mapping Saharan dust fluxes through the onset and termination of the African Humid Period in a transect of African margin cores	47.050	132,744
NSF	OCE-1315201	Collaborative Research: Ocean Acidification: Impacts of Evolution on the Response of Phytoplankton Populations Rising CO2	47.050	42,966
NSF	OCE-1338814	FESD Type 1:The impact of the ozone hole on the climate of the	47.050	416,177
NSF	OCE-1356460	Membrane vesicles produced by marine bacteria: origins, distributions, and functions	47.050	80,319
NSF	OCE-1357224	Filling Gaps in the Atlantic and Pacific Pb and Pb Isotope Spatial and Temporal Evolution	47.050	24,873
NSF	OCE-1357434	The vertical propagation of internal waves through the ocean	47.050	38,014
NSF	OCI-0904338	ARRA - Petascale Artic, Atlantic and Antartic Virtual Experiment	47.082	128,376
NSF	OCI-0926191	ARRA - Cloud-computing infrastructure and technology for education (C.I.T.E)	47.082	33,155
NSF	OCI-1027848	CDI-Type II: Collaborative Research: Preparing the Next Generation of Computational Thinkers: Transforming Learning and Education through Cooperation in Decentralized Networks	47.080	80,033
NSF	OCI-1047955	SI2-SSE: SciDB- A Scientific Data Management System	47.080	99,949
NSF	OCI-1048563	Bayesian Models of Social Behavior - PDF for K. Heller	47.080	-260
NSF	OCI-1135423	Collaborative Research: CI-TEAM Demo: Harnessing Cyberinfrastructure for K-12 STEM Education	47.080	10,745
NSF	OCI-1147503	SI2-SSI Collaborative Research: A Computational Materials Data and Design Environment.	47.080	73,177
NSF	OCI-1152538	A Research Coordination Network Dedicated to Facilitating the Creation and Transfer of Knowledge	47.080	71,754
NSF	OISE-1048974	Microbial Successions in the Aftermath of a Snowball Earth Event	47.079	0
NSF	OISE-1258574	G8 Initiative: Structural Bamboo Products	47.079	112,233
NSF	PHY-0758188	Quantum effects in radiation-pressure-dominated optomechanical systems	47.049	-3,195
NSF	PHY-0847342	CAREER: Increasing the Dark Matter Science Reach of the SuperCDMS Experiment	47.049	14,479

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	PHY-0967299	Research in Theoretical Elementary Particle Physics	47.049	69,545
NSF	PHY-0969311	Stongly Interacting Quantum Mixtures of Ultracold Atoms	47.049	71,345
NSF	PHY-0969731	A Program in Ultra-Low-Temperature Atomic Physics	47.049	345,288
NSF	PHY-0970047	Distinguishing Dark Matter Signals from Neutron Backgrounds	47.049	25,122
NSF	PHY-1004592	Exploring Spin-Dependent Interactions of Dark Matter with DMTPCino	47.049	173,824
NSF	PHY-1005373	Noise Characterization and Dynamic Decoupling in Superconducting Qubits	47.049	7,252
NSF	PHY-1027890	CDI-Type I: Collaborative Research: High-dimensional phase-space subdivisions for seismic imaging	47.049	159,528
NSF	PHY-1055154	CAREER: Exploration of Evolutionary Dynamics on Rugged Fitness Landscapes	47.049	126,358
NSF	PHY-1068720	Gravitational-wave and strong-gravity astrophysics	47.049	86,611
NSF	PHY-1068772	Quantum Opto-mechanics on Multiple Scales	47.049	296,331
NSF	PHY-1125846	Center for Ultracold Atoms	47.049	2,390,204
NSF	PHY-1148134	EAGER: H2+ Ion Source Studies at the BEST Cyclotrons, Inc. Test Stand	47.049	34,138
NSF	PHY-1201896	Collaborative Research: Understanding Turbulent Mixing in Laboratory Magnetospheres	47.049	201,287
NSF	PHY-1205100	Project 8: Measuring Neutrino Masses Using Radio-Frequency Techniques	47.049	120,760
NSF	PHY-1205175	Neutrino Physics at MIT	47.049	453,060
NSF	PHY-1205554	Atomic Ensembles Entangled by Light for Measurements Below the Standard Quantum Limit	47.049	69,419
NSF	PHY-1305537	Inferring the Physics of Living Systems from Dynamic Light Microscopy Data	47.049	126,032
NSF	PHY-1305841	Data Analysis of the MiniCLEAN Dark Matter Experiment	47.049	57,843
NSF	PHY-1306550	Flavor Physics at the LHC	47.049	73,232
NSF	PLR-1304050	Collaborative Research: A Bering Strait Ocean Observing System for the Pacific Inflow to the Arctic ? a fundamental part of the Arctic Observing Network	47.050	43,302
NSF	SBE-0965259	Predictive Modeling of the Emergence and Development of Scientific Fields	47.075	63,559
NSF	SBE-0965364	Collaborative Research: New Methods to Enhance Our Understanding of the Diversity of Science	47.075	40,211
NSF	SES-1024619	Complexity, Uncertainty, and Macroeconomic Policy in the Global Economy	47.075	25,172
NSF	SES-1056580	Dark Energy, Fine-Tuning, and the Multiverse: Testing Theories in Modern Cosmology - PDF for A. Friedman	47.075	47,239

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	SES-1061841	Collaborative Research: Nonparametric Distributional and Quantile Methods in Econometrics	47.075	29,623
NSF	SES-1061889	Collaborative Research on Kidney Exchange with NBERI	47.075	101,759
NSF	SES-1123747	Collaborative Research: SBP: From School to Work: A Longitudinal Study of Gender Stratification in Science and Engineering	47.075	17,644
NSF	SES-1125858	Doctoral Dissertation Research: An Empire of Purity: Making the Modern Sugar Economy, 1875-1925 - GF for D. Singerman	47.075	1,376
NSF	SES-1132399	Unrestricted Individual Heterogeneity in Three Econometric Models	47.075	5,216
NSF	SES-1155143	Collaborative Research: The American Mass Public in the Early Cold War Years	47.075	150,956
NSF	SES-1219787	Doctoral Dissertation Research in Political Science: The Intersection of Core Values and Political Identities - GF for M. Margolis	47.075	13,969
NSF	SES-1223187	Doctoral Disseration Research in Political Science: Citizen Input, Policy Outcomes, and Local Representation in the U.S. - GF for M. Sances	47.075	6,800
NSF	SES-1226924	Collaborative Proposal: Unintended Consequences of Behavior Change: An Examination of the Impacts on Child Health of Behavior Change in Response to Arsenic Mitigation in Bangladesh	47.075	169,897
NSF	SES-1246941	Reckoning with the Risk of Catastrophe-Workshop scheduled for October 2012 in Washington, DC	45.075	10,535
NSF	SES-1254653	Doctoral Dissertation Research: Cold War Dreams: Nuclear Arms Control in American Science, Politics, and Culture - B. Wilson	47.075	4,879
NSF	SES-1260744	Intermediation, Information, and Diversity In Networks	47.075	73,888
NSF	SES-1330353	Doctoral Dissertation Research: Digital Forensics Software and the Anti-Trafficking Network	47.075	9,961
NSF	SES-1330398	Doctoral Dissertation Research: Disability's Star-Children: Autism and the Remaking of the Moral Order in Urban China	47.075	7,304
NSF	SMA-1103351	Minority Postdoctoral research fellowship - M. Friedner	47.075	931
NSF	SMA-1158763	Doctoral Dissertation Research in Science of Science and Innovation Policy: Organizations and the Diffusion of Scientific Knowledge - GF for M. Bikard	47.075	4,921
NSF	SMA-1158765	Managing Community: The Organization and Management of Federal Research Funding Agencies	47.075	38,949
NSF	SMA-1262263	Collaborative Research: Technology, Collaboration, and Learning: Modeling Complex International Innovation Partnerships	47.075	61,620

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NSF	SMA-1415129	SEES Fellowship - PDF - S. Pattinson	47.075	9,197
NSF	SMMI-1346638	CAREER: High-Speed Continuous Assembly of Nanoparticle Monolayers and Discrete Cluster Arrays	47.041	97,446
		Total for National Science Foundation		**81,585,304**
		TOTAL for National Science Foundation		**81,585,304**
		TOTAL Federal Research Support - On Campus		**385,147,238**

Appendix A-2
Massachusetts Institute of Technology
Schedule of Expenditures of Federal Awards - Lincoln Laboratory
By Sponsor & Contract - FY 2014

Sponsor	Contract Number	Program Name	06/30/2014 Total
DEPARTMENT OF DEFENSE			
AIR FORCE	FA8721-05-C-0002		$ 209,235,049
ARMY	FA8721-05-C-0002		62,395,631
CLASSIFIED	FA8721-05-C-0002		156,160,627
DEFENSE ADVANCED RESEARCH PROJECT AGENCY	FA8721-05-C-0002		37,695,371
MISSILE DEFENSE AGENCY	FA8721-05-C-0002		62,115,605
NATIONAL SECURITY AGENCY	FA8721-05-C-0002		7,829,402
NAVY	FA8721-05-C-0002		40,668,186
OTHER DEPARTMENT OF DEFENSE	FA8721-05-C-0002		162,899,358
TOTAL DEPARTMENT OF DEFENSE			**$ 738,999,228**
NON-DEPARTMENT OF DEFENSE			
DEPARTMENT OF ENERGY	FA8721-05-C-0002		$ 2,636,886
DEPARTMENT OF HEALTH & HUMAN SERVICES	FA8721-05-C-0002		18,445,541
FEDERAL AVIATION ADMINISTRATION	FA8721-05-C-0002		27,689,983
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION-Prime	FA8721-05-C-0002		13,555,188
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	FA8721-05-C-0002		5,368,426
OTHER NON DEPARTMENT OF DEFENSE	FA8721-05-C-0002		2,108,333
Total NON-DEPARTMENT OF DEFENSE			**$ 69,804,357**
Total Direct Awards			**$ 808,803,585**

Prime Sponsor and Sponsor	Program	Program Name		Total
PASSTHROUGH AWARDS				
DEPARTMENT OF DEFENSE				
AIR FORCE				
University of Hawaii	FA9451-06-2-0338	OTA Dev. & Device Processing	$	68,186
ARMY				
QmagiQ Inc.	W909MY-13-C-0032	VLWIR SLS-DFPA for Imaging Spectroscopy		10,212
Missile Defense Agency				
QmagiQ Inc.	HQ0147-12-C-7188	QmagiQ - DFPA		28,699
NAVY				
EOS Photonics	N68335-11-C-0431	EOS Photonics		64,810
Freedom Photonics	N68335-13-C-0380	Advanced EO Modulators		46,080
RDR Technology	N13A-T003	Fire Scout Sense and Avoid		34,699
Office of Naval Research				
Out of the Fog Research LLC	N00014-09-C-0610	Cryogenic RF Excision Phase II		377,452
		Total for Department of Defense	**$**	**630,138**
DEPARTMENT OF ENERGY				
MIT	MIT-300075	Infrared Nanocrystal Photonics	$	80,821
		Total for Department of Energy	**$**	**80,821**
DEPARTMENT OF HEALTH & HUMAN SERVICES				
National Institute of Health				
CPC INC	1R41AG042218-01	Vocal Biomarkers	$	27,267
Harvard University	5U54AI057159-08 REVI	ARRA - PANACEA NERCE		20,446
MIT	MIT-300076	Microsluidic MicroRNA Sensors		203,181
	MIT-300079	NIH Synthetic Biology Center		248,855
Other	1R56AI106939-01	DRACO HTS Assay Development		9,037
		Total for Department of Health & Human Services	**$**	**508,786**
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION				
MIT	MIT-300080	MiRa TA	$	348,956
		Total for National Aeronautics & Space Administration	**$**	**348,956**
NATIONAL SCIENCE FOUNDATION				
California Association for Research	AST-0132798	Adv Adaptive Optics	$	58,004
MIT	MIT-300071	Nanoelectronics Beyond 2020		145,901
	MIT-300078	Flexible Glucose Fuel Cell		147,023
University Corp. for Atmospheric Research	Z10-80484	ARRA - University Corp. for Atmospheric Research		51,692
		Total for National Science Foundation	**$**	**402,620**
Total Passthrough Awards			**$**	**1,971,321**
Total Federal Expenditures			**$**	**810,774,906**

Appendix A3
Massachusetts Institute of Technology
Federal Research Support - Passthrough - On Campus
FY 2014 Expenditures by Prime Sponsor and Sponsor

Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
DEPARTMENT OF DEFENSE					
Brown University					
DEPARTMENT OF DEFENSE	6920918	00000272	Multi-Scale Fusion of Information for Uncertainty Quantification and Management in Large-Scale Simulations - BASE & OPTION	12.800	397,431
DEPARTMENT OF DEFENSE	6926780	00000554	Quantum Metaphotonics and Metamaterials: from Single Emitters to Strongly Correlated Systems	12.800	147,178
			Total for Brown University		**544,609**
University of California - Berkeley					
DEPARTMENT OF DEFENSE	6921299	00006931/PO 1607607	Nano-Electro-Mechanical Technologies and Circuits (NEMTaC) for Ultra-Low-Energy Electronics	12.910	5,035
DEPARTMENT OF DEFENSE	6929748	00008426 / W911NF-14-1-0078	Realization of High Fidelity, On-Chip Readout of Solid State Quantum Bits	12.431	8,294
DEPARTMENT OF DEFENSE	6920545	SUBAWARD #00006517	Thermodynamics of Large-Scale Heterogeneous Wireless Networks	12.800	25,673
			Total for University of California - Berkeley		**39,002**
University of California					
DEPARTMENT OF DEFENSE	6929140	0145 G RA504	Modeling and Analysis of Representations for Sensing-Action Systems	12.910	33,184
DEPARTMENT OF DEFENSE	6927669	0157GQA206	Tailoring the conformality and electronic property of thin films by atomic layer deposition	12.300	81,696
DEPARTMENT OF DEFENSE	6927565	1015GNA126	Knowledge Representaion, Reasoning and Learning for Understanding Scenes and Events	12.300	269,515
DEPARTMENT OF DEFENSE	6923986	KK9151	Institute for Collaborative Biotechnology (ICB)	12.431	604,151
DEPARTMENT OF DEFENSE	6919767	KK9151-1	Institute for Collaborative Biotechnology (ICB)	12.431	199,789
DEPARTMENT OF DEFENSE	6926410	KK9151-24	Institute for Collaborative Biotechnology (ICB)	12.431	321,817
DEPARTMENT OF DEFENSE	6929260	KK9151-31	Institute for Collaborative Biotechnology (ICB)	12.431	82,368
DEPARTMENT OF DEFENSE	6929262	KK9151-33	Institute for Collaborative Biotechnology (ICB)	12.431	102,137
DEPARTMENT OF DEFENSE	6929264	KK9151-34	Institute for Collaborative Biotechnology (ICB)	12.431	59
DEPARTMENT OF DEFENSE	6929266	KK9151-35	Institute for Collaborative Biotechnology (ICB)	12.431	147,885
DEPARTMENT OF DEFENSE	6919782	KK9151-7	Institute for Collaborative Biotechnology (ICB)	12.431	12,229
			Total for University of California		**1,854,831**
Columbia University					

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Federal Research Support - Passthrough - On Campus
FY 2014 Expenditures by Prime Sponsor and Sponsor

Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
DEPARTMENT OF DEFENSE	6923058	1(ACCT#5-21132)	Collaborative Research: Ultra-Dense Quantum Communication Using Integrated Photonic Architecture	12.431	57,184
DEPARTMENT OF DEFENSE	6927691	1(GG001532)	Collaborative Research: Ultra-Dense Quantum Communication Using Integrated Photonic Architecture	12.431	-673
DEPARTMENT OF DEFENSE	6927546	1(GG007792)	Power Grid Vulnerability and Resilience to Geographically Correlated Failures	12.351	90,623
DEPARTMENT OF DEFENSE	6927968	2 (GG008784)	Imaging How a Neuron Computes	12.431	176,504
			Total for Columbia University		**323,638**
University of Utah					
DEPARTMENT OF DEFENSE	6926864	10022273-MIT	Visualization of Discontinuous Galerkin Based High-Order Methods	12.431	39,919
			Total for University of Utah		**39,919**
Rutgers University					
DEPARTMENT OF DEFENSE	6917789	1043530/4-29429/10578	AFIRM: Langer Nerve Project	12.420	34,820
DEPARTMENT OF DEFENSE	6922010	W18XWH-08-2-0034	Isolation and Expansion of Native Vascular Networks for Organ Level Tissue Engineering	12.420	85,272
			Total for Rutgers University		**120,091**
Duke University					
DEPARTMENT OF DEFENSE	6921607	10-AFRL-1022	Aeromechanics Response in High performance Centrifugal Compressor Stage	12.CCC	24,330
DEPARTMENT OF DEFENSE	6927752	13-DARPA-1075 (PRIME AWD NO = W911NF-13-1-0096)	Stochastic computing machines enabled by DNA self-assembly	12.341	24,641
DEPARTMENT OF DEFENSE	6928294	13-ONR-1109	Expanding the Limits of Acoustic Metamaterials	12.300	186,838
			Total for Duke University		**235,810**
Carnegie-Mellon University					
DEPARTMENT OF DEFENSE	6923891	1130128-258552	OmniTrans: An Omnivorous Framework for the Translation of Low Density Languages	12.431	91,166
DEPARTMENT OF DEFENSE	6921196	1141207-236214	Decentralized Reasoning in Reduced Information Spaces	12.300	230,672
DEPARTMENT OF DEFENSE	6918868	1150069-218432	Human Automated Planner Interaction for NCW	12.800	9,084
			Total for Carnegie-Mellon University		**330,922**
HRL Laboratories, LLC					
DEPARTMENT OF DEFENSE	6928024	12105-301702-DS	Unconventional Processing of Signals for Intelligent Data Exploitation (UPSIDE)	12.CCC	117,572

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FY 2014 Expenditures by Prime Sponsor and Sponsor

Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
			Total for HRL Laboratories, LLC		**117,572**
Harvard University					
DEPARTMENT OF DEFENSE	6924340	123662	Measuring, Understanding, and Responding to Covert Social Networks: Passive and Active Tomography	12.31	-169
DEPARTMENT OF DEFENSE	6925058	133534-5044541	Development of a Diamond Nanoscale Magnetometer Using Quantum-Assisted Sensing and Readout	12.CCC	96,361
DEPARTMENT OF DEFENSE	6929743	133668-5079809	Measuring, Understanding, and Responding to Covert Social Networks:Passive and Active Tomography	12.431	54,387
DEPARTMENT OF DEFENSE	6927492	5054559-167837	Smart Exotendon Suit: biomechanically synergistic body support and protection system	12.910	107,285
			Total for Harvard University		**257,864**
University of Southern California					
DEPARTMENT OF DEFENSE	6920416	137760	Intelligent Coordination and Adaptive Classification for Naval Autonomous Systems	12.300	101,919
DEPARTMENT OF DEFENSE	6920504	138802, P.O.#10058889	ANTIDOTE: Adaptive Networks for Threat and Intrusion Detection or Termination	12.300	27,452
			Total for University of Southern California		**129,371**
Universal Technology Corporation					
DEPARTMENT OF DEFENSE	6928376	13-S7403-02-C2	Self-Curing Nano-Engineered Laminates	12.CCC	13,628
			Total for Universal Technology Corporation		**13,628**
Clemson University					
DEPARTMENT OF DEFENSE	6923393	1501-203-2008185	Gradient Films from Shape Memory Nanofoams for Waveguide Coating	12.351	41,875
			Total for Clemson University		**41,875**
Scientific Systems Company, Incorporated					
DEPARTMENT OF DEFENSE	6926767	1570-MIT-SSCI	Automated Bayesian CrossCat (ABC) Family of Machine Learning Systems for XDATA	12.CCC	38,976
DEPARTMENT OF DEFENSE	6927394	1571-MIT-SSCI	IR/RF SPARK: IR/RF fusion with Stochastic inference, Probablistic programming, and Robust Kinematic features	12.CCC	2,031
			Total for Scientific Systems Company, Incorporated		**41,007**
CFD Research Corporation					
DEPARTMENT OF DEFENSE	6926484	20120074	Design of Acoustic Metamaterials for Passive Hearing Protector	12.CCC	108,957

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Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
			Total for CFD Research Corporation		**108,957**
Advanced Technology International dba SCRA					
DEPARTMENT OF DEFENSE	6926813	2013-432	Innovation Economy: Base Task Order Agreement.	12.CCC	365,335
			Total for Advanced Technology International dba SCRA		**365,335**
Massachusetts General Hospital					
DEPARTMENT OF DEFENSE	6928220	221647	A Randomized, Controlled Trial of Intranasal Oxytocin as an Adjunct to Behavioral Therapy for Autism Spectrum Disorder	12.420	4,530
DEPARTMENT OF DEFENSE	6927871	222252	(ADVANCE) Rapid Immunity via Gene Transfer of Oligoclonal Fc-Enhanced mAbs	12.910	646,322
DEPARTMENT OF DEFENSE	6925188	SUBAWARD #219877	A Portable Distributed X-ray Source for Phase Contrast Imaging	12.910	412,174
DEPARTMENT OF DEFENSE	6924987	W81XWH-09-2-0001-218193	MIT-CIMIT-A Label-Free Viral Detection Microchip - Year 2	12.420	21,645
			Total for Massachusetts General Hospital		**1,084,671**
Stanford University					
DEPARTMENT OF DEFENSE	6922501	25081590-44868-B	MURI: Robust and Complex On-Chip Nanophotonics	12.800	66,172
DEPARTMENT OF DEFENSE	6924341	27834090-50339-A	Securing end hosts through Decentralized Information Flow-Control	12.910	67,188
			Total for Stanford University		**133,359**
University of Michigan					
DEPARTMENT OF DEFENSE	6924558	3002085646	Michigan/AFRL Collaborative Center in Control Sciences (MAX)	12.800	125,486
DEPARTMENT OF DEFENSE	6928556	3002453814	PASSIVE AND ACTIVE FRICTION DRAG REDUCTION OF TURBULENT FLOWS OVER SUPER-HYDROPHOBIC SURFACES	12.300	113,201
DEPARTMENT OF DEFENSE	6927199	3002531248	NEEC: Quantification of extreme events in ocean waves	12.CCC	76,858
DEPARTMENT OF DEFENSE	6927198	3002531249	NEEC: Flow Structure interaction: Dam Break Wave Impinging on Flexible Plate	12.CCC	45,413
DEPARTMENT OF DEFENSE	6927214	3002565045	The Center for Future Architectures Research (C-FAR)	12.CCC	179,445
DEPARTMENT OF DEFENSE	6929042	3002883704	NEEC: Flow Structure Interaction: Dam Break Wave Impinging on Flexible Plate	12.CCC	100,709
DEPARTMENT OF DEFENSE	6929043	3002883706	NEEC: Quantification of extreme events in ocean waves	12.CCC	142,851
DEPARTMENT OF DEFENSE	6929669	3003000672	Supervised Teleautonomy for Agile Mobility and Dexterous Manipulation	12.CCC	8,887

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DEPARTMENT OF DEFENSE	6917323	SUBCONTRACT #3000913650	Michigan/AFRL Collaborative Center for Control Sciences (MACCCS)	12.800	167,142
DEPARTMENT OF DEFENSE	6924853	SUBCONTRACT 3001996313	Value-centered Information Theory for Adaptive Learning, Interference, Tracking, and Exploitation (VITALITE)	12.431	248,214
			Total for University of Michigan		**1,208,205**
University of California-San Diego					
DEPARTMENT OF DEFENSE	6927945	39244040	Porous Si-based Therapeutic Nanoplatforms	12.910	465,959
DEPARTMENT OF DEFENSE	6924845	P.O. 10320917	3D Computational Optic Systems For Soldier-Centric Imaging	12.CCC	-1,852
DEPARTMENT OF DEFENSE	6928757	PO #S9000381, SUB #43019208	The Information Content of Ocean Noise: Theory and Experiment - Imaging the Changing Arctic with Ice Noise	12.300	201,535
			Total for University of California-San Diego		**665,642**
University of Rochester					
DEPARTMENT OF DEFENSE	6897852	413008-14G	MURI: Quantum Imaging: New Methods and Applications	12.431	0
DEPARTMENT OF DEFENSE	6923029	415337-G, UR 5-29617	High Information Capacity Quantum Imaging	12.431	65,021
DEPARTMENT OF DEFENSE	6916723	PO #414005-G, UR ACCOUNT #5-27939	MURI (ONR): Complex learning and skill transfer with video games	12.300	2,021
			Total for University of Rochester		**67,043**
Raytheon Company					
DEPARTMENT OF DEFENSE	6927038	4200555166	Sensitive Operational Fissionable Threat (SOFT) Sensor A Neutron Detection Sensor	12.CCC	-20,963
DEPARTMENT OF DEFENSE	6924506	PO NO. 4400354854	Integrated Standoff Inspection System (ISIS) Program	12.CCC	4,017
			Total for Raytheon Company		**-16,946**
University of New Mexico					
DEPARTMENT OF DEFENSE	6925887	433396-875J	MEMS Based Millimeter-Scale Advanced Thermophotovoltaic Power System with Ultra-High Density	12.CCC	2,974
DEPARTMENT OF DEFENSE	6927965	SUBCONTRACT: 271387-875J	(MURI) Innovative use of Metamaterials in Confining, Controlling, and Radiating Intense Microwave Pulses	12.800	321,896
			Total for University of New Mexico		**324,870**
Pennsylvania State University					

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DEPARTMENT OF DEFENSE	6924378	4463-MIT-AFOSR-0192	Unconventional High Density Vertically Aligned Conducting Polymer/Carbon Nanotube Composites for Ultrahigh Energy Density and Power Density Energy Storage Devices	12.800	75,344
			Total for Pennsylvania State University		**75,344**
Boston University					
DEPARTMENT OF DEFENSE	6924739	4500000552	MURI: Utilizing Synthetic Biology to Create Programmable Micro-Bio-Robots	12.300	114,753
DEPARTMENT OF DEFENSE	6924758	4500000571	Synthetic Mammalian Gene Regulatory Circuits for in Vivo Biomedical Applications	12.431	275,324
DEPARTMENT OF DEFENSE	6923208	450000228	MURI: Topic #2 Adaptive Cognitive maps for Autonomous Systems Project Title: Grid Cells and Cognitive maps for Autonomous Systems	12.300	466,581
			Total for Boston University		**856,659**
International Business Machine					
DEPARTMENT OF DEFENSE	6929745	4913900052	MAGANIMOS: Integrated Magnetic, GaN, and SOI CMOS for Power conversion and RF power amplification	12.000	45,503
DEPARTMENT OF DEFENSE	6925544	AGREEMENT NUMBER 4911028171.0	Broad Operational Language Translation (BOLT): Activity C	12.CCC	6,511
			Total for International Business Machine		**52,013**
The Broad Institute, Inc.					
DEPARTMENT OF DEFENSE	6926927	5050030-5500000527	MIT-Broad Center for High-Throughput Synthetic Biology	12.91	307,980
			Total for The Broad Institute, Inc.		**307,980**
University of Pennsylvania					
DEPARTMENT OF DEFENSE	6927251	559932	New Paradigms for Scalable Online Decentralized Optimization	12.300	3,339
DEPARTMENT OF DEFENSE	6927220	560102	Evolution of Cultural Norms and Dynamics of Socio Political Change	12.431	363,246
			Total for University of Pennsylvania		**366,585**
The Ohio State University Foundation					
DEPARTMENT OF DEFENSE	6918097	60014918	Stochastic Control of Multi-Scale Networks Modeling Analysis and Algorithms	12.431	109,324
			Total for The Ohio State University Foundation		**109,324**
Ohio State University					

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DEPARTMENT OF DEFENSE	6922491	60025803	Cryogenic Peltier Cooling	12.800	143,904
DEPARTMENT OF DEFENSE	6923049	RF01224242	Cryogenic Peltier Cooling	12.800	96,365
			Total for Ohio State University		**240,269**
Lincoln Laboratory					
DEPARTMENT OF DEFENSE	6920775	7000087748	Reliable Networking on Unreliable Substrates under Severe Stress	12.CCC	122,731
DEPARTMENT OF DEFENSE	6921970	7000114032	Bio-Inspired Cellular Systems	12.CCC	-181
DEPARTMENT OF DEFENSE	6922829	7000126525	Small Deployable UAV Systems	12.CCC	38,950
DEPARTMENT OF DEFENSE	6923198	7000130142	Polarization Entaglement Sources with High Extraction Efficiencies	12.CCC	52,410
DEPARTMENT OF DEFENSE	6923013	7000132466	Lincoln Laboratory-MIT Joint Research on Understanding the Challenges to Net-Centric Systems and Mitigating Approaches	12.CCC	12,545
DEPARTMENT OF DEFENSE	6923394	7000139220	Autonomous Robot Control via Autonomy Levels (ARCAL)	12.CCC	25,653
DEPARTMENT OF DEFENSE	6923385	7000139390	High Power-Per-Weight Organic Solar Cell	12.CCC	63,343
DEPARTMENT OF DEFENSE	6923685	7000147776	A Knowledge Discovery Framework for Threat Identification	12.CCC	102,824
DEPARTMENT OF DEFENSE	6923783	7000151056	Designing Optimal Clinical Trials for Cancer	12.CCC	76,031
DEPARTMENT OF DEFENSE	6924693	7000167306	Demonstration of a Metastable RF SQUID Qubit	12.CCC	51,109
DEPARTMENT OF DEFENSE	6924995	7000174664	Phase II: Demonstration of Reduced Surface Congestion through Pushback Rate Control	12.CCC	111,101
DEPARTMENT OF DEFENSE	6926027	7000200659	Repeatable Large Systems Cyber Impact Analysis (Program 2112-273)	12.CCC	31,097
DEPARTMENT OF DEFENSE	6926416	7000202257	Robust, Query-driven Coordination of Vehicle Sensor Webs	12.CCC	84,664
DEPARTMENT OF DEFENSE	6926591	7000211420	Connectivity Analysis: Latent Structure and Anomaly Detection in Graphs	12.CCC	141,722
DEPARTMENT OF DEFENSE	6926703	7000213340	Automated Dynamic Resource Allocation	12.CCC	25,891
DEPARTMENT OF DEFENSE	6926977	7000214572	Investigation and Development of An Aluminum-Seawater Reaction Engine for Autonomous Undersea Vehicles	12.CCC	117,175
DEPARTMENT OF DEFENSE	6927127	7000221325	High-Fidelity Dispersive Readout and Noise Characterization of Superconducting Qubits	12.CCC	197,965
DEPARTMENT OF DEFENSE	6927126	7000222054	FY13 Campus Collaboration Award: Code Randomization Technique	12.CCC	58,999
DEPARTMENT OF DEFENSE	6927414	7000224798	Modular UAV Demonstration Program	12.CCC	66,113

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DEPARTMENT OF DEFENSE	6927537	7000227558	Robust Communication and Navigation for Unmanned Micro UAVs	12.CCC	204,297
DEPARTMENT OF DEFENSE	6928379	7000241837	High-fidelity Amplification and Readout of Long-Lived Superconducting Qubits	12.CCC	398,656
DEPARTMENT OF DEFENSE	6928002	7000242195	Low-cost high-performance GaSb PV cells for superalloy based millimeter-scale thermophotovoltaic generators	12.CCC	90,000
DEPARTMENT OF DEFENSE	6928349	7000246213	Graphene-ALM Heterostructures for Infared Photodetection	12.CCC	79,804
DEPARTMENT OF DEFENSE	6928727	7000249226	Next Generation Environmental Monitoring	12.CCC	74,552
DEPARTMENT OF DEFENSE	6928730	7000251539	A Platform for Multi-Material Fabrication	12.CCC	52,165
DEPARTMENT OF DEFENSE	6928924	7000254121	Study of JCIDS Semantic Architecture Framework	12.CCC	170,412
DEPARTMENT OF DEFENSE	6928790	7000254279	Code Randomization Technique	12.CCC	67,656
DEPARTMENT OF DEFENSE	6929057	7000259332	Design, Fabrication, & Testing of An Aluminum-Seawater Reaction Engine for Autonomous Undersea Vehicles	12.CCC	112,646
DEPARTMENT OF DEFENSE	6929033	7000259333	Campus/Lincoln Photonics Initiative	12.CCC	27,701
DEPARTMENT OF DEFENSE	6929147	7000260737	MIT Campus / Lincoln Laboratory Integrated Quantum Initiative	12.CCC	83,243
DEPARTMENT OF DEFENSE	6927470	P. O. 7000229740	Lithium Ion Battery Cycle Life	12.CCC	49,474
DEPARTMENT OF DEFENSE	6927652	P. O. 7000233700	Ingestible Electronics for Physiological Monitoring	12.CCC	49,011
DEPARTMENT OF DEFENSE	6925784	PO # 7000193736	High-Fidelity Dispersive Readout of a Superconducting Qubit	12.CCC	10,551
DEPARTMENT OF DEFENSE	6925434	PO #7000184872	Support of the Radio Communication Link Project Using the Westford Radio Telescope	12.CCC	396,997
DEPARTMENT OF DEFENSE	6926167	PO #7000201843	Computational Imaging and Compressive Sensing for Phase Retrieval	12.CCC	89,767
DEPARTMENT OF DEFENSE	6926907	PO #7000216756	MIT Haystack Observatory Engineering Support for the Lincoln Space Surveillance Complex (LSSC)	12.CCC	493,689
DEPARTMENT OF DEFENSE	6928907	PO #7000255441	MIT Haystack Observatory Engineering Support for the Lincoln Space Surveillance Complex (LSSC)	12.CCC	1,403,592
DEPARTMENT OF DEFENSE	6929540	PO #7000267637	Support of the LAKATT Program 370 Using the Westford Radio Telescope	12.CCC	12,228
DEPARTMENT OF DEFENSE	6898674	PO 3070557+7000049429	NPOESS Program Science Team Support	12.CCC	-109
DEPARTMENT OF DEFENSE	6919653	PO 7000074210	Joint Position-Amplitude Modeling for CoSPA	12.CCC	-5,292
DEPARTMENT OF DEFENSE	6919750	PO 7000074667	Variabllity Compensation Techniques for Speaker and Language Recognition	12.CCC	121,583
DEPARTMENT OF DEFENSE	6923693	PO 7000147774	Development of a Microfluidic Gene Assembler (MGA)	12.CCC	63,530

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DEPARTMENT OF DEFENSE	6925300	PO 7000167206	AUV System Modification for Long Endurance Monitoring and Surveillance	12.CCC	-12,439
DEPARTMENT OF DEFENSE	6924852	PO 7000170673	LL/MIT Research Initiative on Advanced Embedded System Prototyping	12.CCC	16,685
DEPARTMENT OF DEFENSE	6925129	PO 7000179605	Volume Hologram Filter Development for Mitigation of Daytime Sky Brightness with Optical Sensors	12.CCC	4,041
DEPARTMENT OF DEFENSE	6925546	PO 7000180248	MicroMas	12.CCC	104,723
DEPARTMENT OF DEFENSE	6925166	PO 7000180267	Human-Machine Team Planning	12.CCC	124,013
DEPARTMENT OF DEFENSE	6925198	PO 7000180623	Computational Modeling Collaboration	12.CCC	124,776
DEPARTMENT OF DEFENSE	6925360	PO 7000183422	In Vitro and In Vivo Analysis of Optically-Sensitive Neurocultures using the LL-Developed Voltage Bioimager	12.CCC	1,773
DEPARTMENT OF DEFENSE	6926784	PO 7000186174	Detector Characterization of Enable Space-Based Photometry using Small Satellites	12.CCC	-1,636
DEPARTMENT OF DEFENSE	6925516	PO 7000186588	10 kV GaN-on-Silicon Transistors for Mid-Voltage Grid Applications	12.CCC	62,045
DEPARTMENT OF DEFENSE	6925780	PO 7000194800	Campus/Lincoln Photonics Initiative	12.CCC	40,579
DEPARTMENT OF DEFENSE	6926437	PO 7000206296	Earth-Abundant Photovoltaic Device Utilizing Spectrally Matched Diffractive Optics	12.CCC	54,524
DEPARTMENT OF DEFENSE	6926565	PO 7000210605	Stable Carbenes as General Surface Anchors	12.CCC	13,647
DEPARTMENT OF DEFENSE	6926600	PO 7000210670	ACC Funding for Self-Assembling, Alternating Nanochannels and Nanowires Lined with Carbene-Based Chemical and Biological Recognition Moieties via Multi-Block Bottle-Brush Polymer (MBBP) Self-Assembly	12.CCC	86,177
DEPARTMENT OF DEFENSE	6927558	PO 7000215206	US TRANSCOM "Living Plan" Project	12.CCC	145,547
DEPARTMENT OF DEFENSE	6927084	PO 7000219234	Magnetically Suspended Reaction Sphere (MSRS)	12.CCC	62,024
DEPARTMENT OF DEFENSE	6927259	PO 7000229853	Nanufluidic Devices for Rapid Sizing of DNA Molecules	12.CCC	-3,982
DEPARTMENT OF DEFENSE	6927548	PO 7000233404	TBO Risk Assessment	12.CC	34,102
DEPARTMENT OF DEFENSE	6927705	PO 7000234714	Silicon Photonics Integration	12.CCC	62,942
DEPARTMENT OF DEFENSE	6928241	PO 7000238989	Concentrated Solar Thermoacoustic Engine for Satellite Power Generation	12.CCC	79,636
DEPARTMENT OF DEFENSE	6929380	PO 7000251167	Test Subject Support	12.431	4,235
DEPARTMENT OF DEFENSE	6929045	PO 7000255976	New Directions in Computational Imaging	12.CCC	89,174
DEPARTMENT OF DEFENSE	6928932	PO 7000257408	Digital Compensation of CAT ADC	12.CCC	36,872
DEPARTMENT OF DEFENSE	6929066	PO 7000259926	Graduate Student Research in FY14 in support of Data-driven Autonomy for Group Operations in Uncertain Scenarios	12.CCC	29,535
DEPARTMENT OF DEFENSE	6929211	PO 7000260739	Integrated WDM Lasercomm Trancievers	12.CCC	60,692
DEPARTMENT OF DEFENSE	6929742	PO 7000260950	USTC Living Plan FFY14	12.CCC	183,837

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DEPARTMENT OF DEFENSE	6929207	PO 7000260956	RF Signal Acquisition and Compression using the Sparse FFT	12.CCC	86,299
DEPARTMENT OF DEFENSE	6929208	PO 7000261350	Low Power Embedded Analytics	12.CCC	92,595
DEPARTMENT OF DEFENSE	6929209	PO 7000261954	LL/MIT Research Collaboration on Functional Encryption	12.CCC	32,554
DEPARTMENT OF DEFENSE	6929210	PO 7000261956	LL/MIT Research Collaboration on Trusted and Secure Computing	12.CCC	4,936
DEPARTMENT OF DEFENSE	6929506	PO 7000264837	Methods for Robust Automatic Speech Recognition from Video using Visual Grounding	12.CCC	2,445
DEPARTMENT OF DEFENSE	6929629	PO 7000264958	Earth-Abundant Photovoltaic Device Utilizing Spectrally Matched Diffractive Optics	12.CCC	33,923
DEPARTMENT OF DEFENSE	6929625	PO 7000270451	Robust Communication and Navigation for Unmanned UAVs	12.CCC	68,870
DEPARTMENT OF DEFENSE	6928672	PO7000251523	Electrically Driven Digital Printing of Particulate Matter	12.CCC	36,364
			Total for Lincoln Laboratory		**7,187,805**
BAE Systems Info & Electronic Systems Integration, Inc					
DEPARTMENT OF DEFENSE	6926891	739532-SLIN 0003	Service-Oriented Netcoded Architecture for Tactical Anonymity (SONATA)	12.CCC	112,988
DEPARTMENT OF DEFENSE	6928927	739532-SLIN 0004	Service-Oriented Netcoded Architecture for Tactical Anonymity (SONATA)	12.CCC	130,035
DEPARTMENT OF DEFENSE	6923517	741274	Coverage by Teams of Autonomous Ground and Aerial Vehicles	12.CCC	196,213
			Total for BAE Systems Info & Electronic Systems Integration, Inc		**439,236**
BAE Systems, PLC					
DEPARTMENT OF DEFENSE	6928213	842801	GLIDES: Generalized Learning & Inferencing for Distributed Environments & Sources	12.CCC	102,997
			Total for BAE Systems, PLC		**102,997**
University of Minnesota					
DEPARTMENT OF DEFENSE	6920941	A000649301	Towards a Theory for Network Robustness and Inter-Dependence under Attacks	12.351	27,484
			Total for University of Minnesota		**27,484**
Woods Hole Oceanographic Institution					
DEPARTMENT OF DEFENSE	6922136	A100706	Full-Scale Measurement and Prediction of the Dynamics of High-Speed Helicopter Tow Cables with Hard-Nose Fairings	12.300	15,061

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DEPARTMENT OF DEFENSE	6924238	A100847	Unified Four-dimensional Multi-resolution Oceanographic, Acoustic and Atmospheric Modeling and Dynamics	12.300	332,049
DEPARTMENT OF DEFENSE	6915384	AGMT. NO. A100529	MURI: Underwater Acoustic Propagation and Communications: A Coupled Research Program	12.300	36,286
			Total for Woods Hole Oceanographic Institution		**383,395**
Rensselaer Polytechnic Institute					
DEPARTMENT OF DEFENSE	6921314	A71357	Social and Cognitive Networks Academic Research Center	12.630	238,637
			Total for Rensselaer Polytechnic Institute		**238,637**
Aurora Flight Sciences Corporation					
DEPARTMENT OF DEFENSE	6925161	AFS11-1225	Autonomous Landing at Unprepared Site for a Cargo Unmanned Air Systems	12.CCC	34,970
DEPARTMENT OF DEFENSE	6925499	AFS12-0207	Distributed Satellite Systems	12.CCC	88,272
DEPARTMENT OF DEFENSE	6925498	AFS12-0208	Cubesat electrospray thruster assembly	12.CCC	91,070
DEPARTMENT OF DEFENSE	6926396	AFS12-1121	Control and Propulsion Support for DARPA Phoenix	43.002	1,711
DEPARTMENT OF DEFENSE	6926953	AFS12-1645	Autonomous Aeriel Cargo Utility System	12.CCC	66,669
			Total for Aurora Flight Sciences Corporation		**282,692**
Cambridge Electronics, Inc					
DEPARTMENT OF DEFENSE	6929068	AGMT DTD 11/5/13	Gallium Nitride (GaN)-based High Efficiency Switch/Transistor for L-band RF Power Amplifier Applications	12.CCC	30,572
			Total for Cambridge Electronics, Inc		**30,572**
Vector Controls, Inc.					
DEPARTMENT OF DEFENSE	6928000	AGMT DTD 7/23/13	STTR: N10A-T036 (Phase II) Mitigation of USV Motions via Wave Sensing and Predictions	12.CCC	138,866
			Total for Vector Controls, Inc.		**138,866**
Metis Design Corporation					
DEPARTMENT OF DEFENSE	6924898	AGMT. DTD. 10/28/11	CNT-based Composite Self-Monitoring & De-icing System	12.CCC	2,683
DEPARTMENT OF DEFENSE	6926466	AGRMT DTD. 7/1/12	Integrated Damage Detection System for Composite Submarine Propellers	12.CCC	2,691
			Total for Metis Design Corporation		**5,374**
Mide Technology					

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DEPARTMENT OF DEFENSE	6928468	AGMT. DTD. 7/1/13	Phase I: Low Weight Atmospheric Diving Suit	12.CCC	23,832
			Total for Mide Technology		**23,832**
Orbital Research, Incorporated					
DEPARTMENT OF DEFENSE	6928439	AGMT. DTD. 8/23/13	Hypoxia Monitoring Prediction and Alert System	12.CCC	27,481
DEPARTMENT OF DEFENSE	6928440	AGMT. DTD. 9/13/13	Hypoxia Monitoring Prediction and Alert System	12.CCC	87,063
			Total for Orbital Research, Incorporated		**114,544**
Vishwa Robotics & Automation LLC					
DEPARTMENT OF DEFENSE	6928560	AGMT. DTD. 9/1/13	Design of an Underwater Robotic Gripper	12.300	24,822
			Total for Vishwa Robotics & Automation LLC		**24,822**
Securboration					
DEPARTMENT OF DEFENSE	6929632	AGREEMENT DATED 1/31/2014	Augmented Reality for Tactical Edge Analysis (ARTEA) system	12.CCC	14,404
			Total for Securboration		**14,404**
HDR Engineering					
DEPARTMENT OF DEFENSE	6926583	AGREEMENT DATED 10/1/12	Quantifying Polychlorinated Biphenyls (PCBs) in Pore Water of the Lower Duwamish Sediments Using Polyethylene Passive Sampling	12.CCC	20,430
			Total for HDR Engineering		**20,430**
Mod-2 Systems, LLC					
DEPARTMENT OF DEFENSE	6928874	AGREEMENT DATED 10/15/13	Cyber Scope Project	12.CCC	29,982
			Total for Mod-2 Systems, LLC		**29,982**
Rehabilitation Institute of Chicago					
DEPARTMENT OF DEFENSE	6920877	AGREEMENT DATED 10/29/2009	Development of a Neural Interface for Powered Lower Limb Prostheses	12.42	79,464
			Total for Rehabilitation Institute of Chicago		**79,464**
TIPD, LLC					
DEPARTMENT OF DEFENSE	6929187	AGREEMENT DATED 2/28/14	Holographic Video Display Using Novel Guided-wave Scanning System	12.CCC	25,000
			Total for TIPD, LLC		**25,000**
Stevens Institute of Technology					

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Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
DEPARTMENT OF DEFENSE	6929135	AGREEMENT DATED 9/27/13	(SERC) Collaboration Agreement: Systems Engineering Research Center	12.CCC	48,628
DEPARTMENT OF DEFENSE	6930096	HQ0034-13-D004	(SERC) Collaboration Agreement: Systems Engineering Research Center	12.CCC	23,535
DEPARTMENT OF DEFENSE	6928762	SUBCONTRACT 20131113	RT-52 Engineered Resilient Systems (ERS) ? Systems Engineering (SE): Knowledge Capture and Transfer	12.CCC	102,882
DEPARTMENT OF DEFENSE	6927065	TECHNICAL TASK ORDER 0031	Collaboration Agreement: Systems Engineering Research Center (SERC)	12.CCC	58,010
			Total for Stevens Institute of Technology		**233,055**
Boston Dynamics, Incorporated					
DEPARTMENT OF DEFENSE	6924777	AGREEMENT DTD 7/26/11	Cheetah: Fast-Running Quadruped Robot	12.CCC	111,929
			Total for Boston Dynamics, Incorporated		**111,929**
SYSTEMS & TECHNOLOGY RESEARCH LLC					
DEPARTMENT OF DEFENSE	6927554	AGREEMTN DATED 2/1/13	STTR - Forecasting Dynamic Group Behavior in Social Media	12.CCC	-1
			Total for SYSTEMS & TECHNOLOGY RESEARCH LLC		**-1**
Ginkgo BioWorks, Inc.					
DEPARTMENT OF DEFENSE	6926117	AGRMT DTD 2/9/2012	Environment dependent copy protection of engineered organisms	12.910	128,693
			Total for Ginkgo BioWorks, Inc.		**128,693**
Applied Physical Sciences Corp.					
DEPARTMENT OF DEFENSE	6927664	APS-13-10 SLIN 0001 S.P. 3413-367	Deep Sea Operations - 2 PARENT	12.CCC	306,273
			Total for Applied Physical Sciences Corp.		**306,273**
Yale University					
DEPARTMENT OF DEFENSE	6927857	C13J11492(J00210)	High-Resolution Quantum Control of Chemical Reactions	12.431	415,420
			Total for Yale University		**415,420**
Agentase LLC					
DEPARTMENT OF DEFENSE	6929428	ENZ-1302-002	Bulk Agent Defeat System for Chemical Warfare Agents	12.91	224,233
			Total for Agentase LLC		**224,233**
Weston Geophysical Corporation					

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DEPARTMENT OF DEFENSE	6920794	FA8718-09-C-0013	Estimating the Uncertainty and Predictive Capabilities of Three-Dimensional Earth Models	12.CCC	-1,733
DEPARTMENT OF DEFENSE	6926327	FA9453-12-C-0220	Three-Dimensional Crust and Upper Mantle Structure Beneath Eurasia from the Joint Inversion of P- and S-Wave Travel Times and Multi-Mode	12.CCC	101,037
			Total for Weston Geophysical Corporation		**99,304**
University of Chicago					
DEPARTMENT OF DEFENSE	6929146	FP054294-C	Fundamental Issues in Non-equilibrium Dynamics (MURI)	12.431	45,708
			Total for University of Chicago		**45,708**
University of Connecticut					
DEPARTMENT OF DEFENSE	6921257	FRS NO. 525227	Production, Manipulation and Applications of Ultracold Polar Molecules	12.800	30,682
			Total for University of Connecticut		**30,682**
DSCI - MESH Solutions					
DEPARTMENT OF DEFENSE	6928194	INTUITION-3492 N00014-13-C-0160 PARENT	Enhancing Intuitive Decision Making Through Implicit Learning	12.300	44,550
			Total for DSCI - MESH Solutions		**44,550**
University of California-Santa Barbara					
DEPARTMENT OF DEFENSE	6923035	KK1131	DEFINE "Dielectric Enhancements for Innovative Electronics"	12.300	79,696
DEPARTMENT OF DEFENSE	6925612	KK1238	MULTI-SCALE SYSTEMS BIOLOGY OF MILITARY-RELEVANT CAUSES OF SYSTEMIC INFLAMMATORY RESPONSE SYNDROME AND MULTIPLE ORGAN DYSFUNCTION	12.431	18,048
DEPARTMENT OF DEFENSE	6917884	KK8152	Drift: Design-for-Reliability Initiative for Future Technologies	12.300	125,049
DEPARTMENT OF DEFENSE	6923170	SUBAGREEMENT KK1124	Photonic Integration for Coherent Optics (PICO)	12.910	22,592
			Total for University of California-Santa Barbara		**245,385**
Microelectronics Advanced Research Corp.					
DEPARTMENT OF DEFENSE	6920991	NO. 2009-MT-2051	2009-MIT-2051	12.CCC	-7,156
			Total for Microelectronics Advanced Research Corp.		**-7,156**
BBN Technologies Corporation					

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DEPARTMENT OF DEFENSE	6927051	P.O. #9500010426; BBN REF ID #13901	Photon Information Efficient Communications (PIECOMM)	12.CCC	380,298
DEPARTMENT OF DEFENSE	6926940	PO 9500010798	Multi-Language Wireless Communication-Based Speaker Verification	12.CCC	74,502
DEPARTMENT OF DEFENSE	6926588	PO# 9500011034 BBN 13974	Mobile Reality Analysis for Psychological Healthcare	12.CCC	214,541
			Total for BBN Technologies Corporation		**669,340**
Triquint Semiconductor, LP					
DEPARTMENT OF DEFENSE	6925291	PO #5103199	DARPA NEXT Project Phase II & III	12.CCC	188,678
DEPARTMENT OF DEFENSE	6925290	PO5103795	GaN E/D Process Development Support for DARPA MPC Program	12.CCC	91,978
			Total for Triquint Semiconductor, LP		**280,656**
Raytheon BBN Technologies Corp.					
DEPARTMENT OF DEFENSE	6925682	PO #9500011364	Narrative Networks	12.CCC	9,825
			Total for Raytheon BBN Technologies Corp.		**9,825**
Propulsor Technology, Inc.					
DEPARTMENT OF DEFENSE	6926912	PO 12517 REV A	Reliability Prediction for Naval Shafting Under Cyclic Loads and Determination of Inspection Intervals	12.CCC	29,534
			Total for Propulsor Technology, Inc.		**29,534**
Lockheed Martin Advanced Technology Laboratories					
DEPARTMENT OF DEFENSE	6926729	PO 4100734299	Optimus - Open Architecture	12.CCC	203,471
			Total for Lockheed Martin Advanced Technology Laboratories		**203,471**
General Dynamics					
DEPARTMENT OF DEFENSE	6927976	PURCHASE ORDER #2013-01032	Interpretation of Spatial Language	12.431	189,450
			Total for General Dynamics		**189,450**
Georgia Institute of Technology					
DEPARTMENT OF DEFENSE	6918937	R0897-G1	Game Theoretic Learning for Distributed Autonomous Collaboration	12.300	76,374
DEPARTMENT OF DEFENSE	6920742	R0897-G15	Game Theoretic Learning for Distributed Autonomous Collaboration	12.300	102,977
DEPARTMENT OF DEFENSE	6920755	R6756-G2	MURI-09: Distributed Learning and Information Dynamics in Networked Autonmnous Systems	12.800	432,773

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DEPARTMENT OF DEFENSE	6923504	RB492-G1	Neuro-Inspired Adaptive Perception and Control for Agile Mobility of Autonomous Vehicles in Uncertain and Hostile Environments	12.431	318,942
DEPARTMENT OF DEFENSE	6927930	RC413-G3	MURI: Multi-Functional Light-Matter Interfaces Based on Neutral Atoms and Solids	12.800	620,862
			Total for Georgia Institute of Technology		**1,551,928**
Exponent, Inc.					
DEPARTMENT OF DEFENSE	6927538	S15-0551	Development of Standard Methods and Approaches for the Use of Passive Samplers in Assessment and Management of Contaminated Sediment with Particular Emphasis on Polyethylene Passive Samplers	12.CCC	15,706
			Total for Exponent, Inc.		**15,706**
Draper Laboratory Incorporated					
DEPARTMENT OF DEFENSE	6926301	SC001-0000000621	Design of Accurate and Repeatable Fixturing for Rapid Micromanufacturing	12.CCC	75
DEPARTMENT OF DEFENSE	6924912	SC001-484	Envelope: Glycan Chemistry	12.431	179,405
DEPARTMENT OF DEFENSE	6926234	SC001-616	Grid Modeling and Control - FY13 IRAD	12.CCC	-5,393
DEPARTMENT OF DEFENSE	6926235	SC001-622	Analysis and Control of Opinion Dynamics in Social Networks	12.CCC	-5,458
			Total for Draper Laboratory Incorporated		**168,628**
Digital Fusion Solutions, Inc.					
DEPARTMENT OF DEFENSE	6926584	SC-2012-706	Theoretical Studies in Support of the DARPA ULTRABEAM Project	12.CCC	179,958
			Total for Digital Fusion Solutions, Inc.		**179,958**
University of Innsbruck					
DEPARTMENT OF DEFENSE	6925263	SQUIP AGREEMENT UNDER W911NF-10-1-0284	Scalable Quantum Information Processing (SQIP) with Trapped Ions	12.431	429,324
			Total for University of Innsbruck		**429,324**
CREARE, Incorporated					
DEPARTMENT OF DEFENSE	6928302	SUB NO.70332	Development of High-Temperature, Metallic Alloy, Stabilized, Radiative Emitters for Thermophotovoltaic Power Source	12.CCC	34,735
DEPARTMENT OF DEFENSE	6927809	SUBCONTRACT NO. 60081	Current Leads for High Current Superconducting Cables	12.300	38,066
DEPARTMENT OF DEFENSE	6928375	SUBCONTRACT NO. 70488	Airborne Sensing for Ship Airwake Surveys Wake Swarm Project	12.CCC	28,213

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			Total for CREARE, Incorporated		**101,014**
University of Wisconsin-Madison					
DEPARTMENT OF DEFENSE	6919979	SUBAWARD 124K784	Basic Studies of Disbributed Limiters for Counter-HPM	12.800	155,138
			Total for University of Wisconsin-Madison		**155,138**
Princeton University					
DEPARTMENT OF DEFENSE	6926616	SUBAWARD NO 00002068	CARS: A Platform for Scaling Formal Verification to Component-based Vehicular Software Stack	12.300	294,527
			Total for Princeton University		**294,527**
Arizona State University					
DEPARTMENT OF DEFENSE	6926159	SUBAWARD NO. 13-950	Translating Biochemical Pathways to Non-Cellular Environment	12.431	110,509
			Total for Arizona State University		**110,509**
University of Illinois-Urbana Champaign					
DEPARTMENT OF DEFENSE	6918707	SUBAWARD NO. 2008-02016-3, GRANT CODE A3718	UIUC MURI: Passive and Active Control of Heat Transfer at Interfaces	12.800	42,347
			Total for University of Illinois-Urbana Champaign		**42,347**
University of California - Irvine					
DEPARTMENT OF DEFENSE	6925115	SUBAWARD NO. 2011-2695	Electrosprayed Heavy Ion and Nanodrop Beams for Surface Engineering and Electrical Propulsion	12.800	35,889
			Total for University of California - Irvine		**35,889**
Dartmouth College					
DEPARTMENT OF DEFENSE	6918261	SUBAWARD NO. 490	Modular Social Intelligence for Teaming and Coalition Adaptation of Heterogenous Autonomous Cooperative Agents (ACAs)	12.300	100,189
			Total for Dartmouth College		**100,189**
University of Washington					
DEPARTMENT OF DEFENSE	6918384	SUBAWARD NO. 548656	A Unified Approach to Abductive Inference	12.431	163,885
			Total for University of Washington		**163,885**
Florida State University Foundation, Incorporated					
DEPARTMENT OF DEFENSE	6917498	SUBAWARD NO. R00907	Electric Ship Systems Research and Development Consortium	12.CCC	607,994

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DEPARTMENT OF DEFENSE	6926070	SUBAWARD NO. R01545	ESRDC - Stochastic Tools based on Polynomial Chaos	12.300	27,709
			Total for Florida State University Foundation, Incorporated		**635,703**
Florida State University					
DEPARTMENT OF DEFENSE	6926476	SUBAWARD NO. R01562	The Swamp Works Program	12.300	67,809
			Total for Florida State University		**67,809**
Rice University					
DEPARTMENT OF DEFENSE	6924728	SUBAWARD NO. R17371	Tunable PhoXonic Band Gap Materials from Self-Assembly of Block Copolymers and Colloidal Nanocrystals	12.800	8,164
			Total for Rice University		**8,164**
Northwestern University					
DEPARTMENT OF DEFENSE	6920867	SUBAWARD SP0005442 - PROJ0001738	Multiscale Design and Manufacturing of Hybrid DWCNT-Polymer Fibers	12.431	29,865
			Total for Northwestern University		**29,865**
Sri International					
DEPARTMENT OF DEFENSE	6928879	SUBCONTRACT 119-000245	Biomimetic Exosuit Technologies to Mitigate Injuries and Enhance Metabolic Economy	12.CCC	167,899
			Total for Sri International		**167,899**
Cask LLC					
DEPARTMENT OF DEFENSE	6928804	SUBCONTRACT AGREEMENT #130913	Master Subcontract Agreement	12.CCC	90,896
			Total for Cask LLC		**90,896**
Mainstream Engineering Corporation					
DEPARTMENT OF DEFENSE	6928867	SUBCONTRACT FA-2401/P.O. 0627281	Phase I SBIR: Improved Reaction Mechanisms for Combustion of Jet Fuels in Vitiated Air	12.CCC	49,900
			Total for Mainstream Engineering Corporation		**49,900**
Battelle-Research Triangle Park					
DEPARTMENT OF DEFENSE	6928305	SUBCONTRACT NO. 387222	Reactive MOF Synthesis and Characterization for Self-Detoxifying Materials	12.CCC	49,650
			Total for Battelle-Research Triangle Park		**49,650**
Navatek. Ltd.					

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Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
DEPARTMENT OF DEFENSE	6927535	SUBCONTRACT NO. SCN08096	Hydrodynamic Design and Optimization of Marine Vehicles by Multi-fidelity CFD Methods: a rational approach	12.CCC	49,879
			Total for Navatek. Ltd.		**49,879**
DCG Systems, Inc					
DEPARTMENT OF DEFENSE	6928663	SUBCONTRACT UDR. FA8650-11-C-7105	Development of Superconducting Nanowire Photodetectors for Failure Analysis Systems	12.CCC	181,871
			Total for DCG Systems, Inc		**181,871**
University of Memphis					
DEPARTMENT OF DEFENSE	6925963	UI5-40057; PO0112113	Design and Implementation of Negative Authentication Systems	12.CCC	139,941
			Total for University of Memphis		**139,941**
Vanderbilt University					
DEPARTMENT OF DEFENSE	6927701	VU#1723-S5	Stochastic Process Decision Methods for Complex System Design and Development	12.CCC	189,379
DEPARTMENT OF DEFENSE	6927633	VU#1723-S7	Meta II Design Flow and Implementation	12.CCC	26,260
DEPARTMENT OF DEFENSE	6925543	VU-DSR #21807-S8	Meta II Design Flow and Implementation	12.CCC	-780
DEPARTMENT OF DEFENSE	6926452	VU-DSR #22666-S3	Model-based Amphibious Racing Challenge (MBARC)	12.CCC	25,004
			Total for Vanderbilt University		**239,865**
Other Lab Inc.					
DEPARTMENT OF DEFENSE	6928205	W911QX-13-C-0136	Automated Assembly of Deformable Digital Composite Airframes	12.CCC	59,997
			Total for Other Lab Inc.		**59,997**
Florida Institute for Human and Machine Cognition					
DEPARTMENT OF DEFENSE	6924329	W91CRB-11-1-0001-IHMC1	FastRunner: High Speed, Efficient, Dynamically Stable Bipedal Robot	12.910	35,404
			Total for Florida Institute for Human and Machine Cognition		**35,404**
University of Maryland					
DEPARTMENT OF DEFENSE	6923511	Z841801	MURI: Atomtronics: Material and Device Physics of Quantum Gases	12.431	56,793
DEPARTMENT OF DEFENSE	6926034	Z903706	Predicting language learning ability in adult learners	12.CCC	-8,071
DEPARTMENT OF DEFENSE	6928010	Z910204	Predicting language learning ability in adult learners	12.CCC	141,000
			Total for University of Maryland		**189,722**

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Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
			TOTAL for Department of Defense		**27,814,940**

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Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
DEPARTMENT OF ENERGY					
Battelle Energy Alliance, LLC					
DEPARTMENT OF ENERGY	6926675	00126858	Optimization of Deep Borehole Systems for HLW Disposal	81.CCC	285,993
DEPARTMENT OF ENERGY	6926607	128728	Scholarship for Nuclear Communications and Methods for Evaluation of Nuclear Project Acceptability	81.CCC	176,246
DEPARTMENT OF ENERGY	6929536	REALEAS01/CONTRACT00112583	Multivariate Calibration of Complex Simulation Codes Using Disparate Types of Evidence	81.CCC	18,610
DEPARTMENT OF ENERGY	6925211	RELEASE #000050/CONTRACT#00000063	High-Temperature Salt-Cooled Reactor for Power and Process Heat	81.CCC	1,146,664
DEPARTMENT OF ENERGY	6925168	RELEASE #000050/CONTRACT#63	High-Temperature Salt-Cooled Reactor for Power and Process Heat	81.CCC	1,445,400
DEPARTMENT OF ENERGY	6925045	RELEASE 48/CONTRACT63	Uncertainty Quantification of Safety Codes using a Bayesian Approach with Data from Separate- and Integral-Effects Tests	81.CCC	18,352
DEPARTMENT OF ENERGY	6928857	RELEASE 51 /CONTRACT63	Protectiveness and stability of the zirconium oxide in early-phase corrosion of zirconium alloys - predictive relations to surface structure and composition	81.CCC	133,810
DEPARTMENT OF ENERGY	6928756	RELEASE 56/CONTRACT 00000063	Cross-Section Generation of High-Fidelity Multi-Physics Simulations from High-Fidelity Monte Carlo Calculations	81.CCC	155,104
DEPARTMENT OF ENERGY	6924978	RELEASE46/CONTRACT63	MIT Neutronics and Reactor Physics Support for LDRD - Advanced Modeling and Simulation Concepts for ATR	81.CCC	-9,699
DEPARTMENT OF ENERGY	6925181	RELEASE47/CONTRACT63	Fuel Cycle Technology and Advanced Applications of Nuclear Energy FY-2012	81.CCC	75,436
DEPARTMENT OF ENERGY	6925178	RELEASE49/CONTRACT63	3117 Life Prediction of Spent Fuel Storage Canister Material	81.CCC	187,749
DEPARTMENT OF ENERGY	6927529	RELEASE52/CONTRAC63	University Lead for the Nuclear Hybrid Systems Core of the Institute for Nuclear Energy Science and Technology (INEST)	81.CCC	70,021
DEPARTMENT OF ENERGY	6926985	RELEASE53/CONTRACT63	Multi-scale Full Core Reactor Physics Simulation of the Advanced Test Reactor	81.CCC	31,704
DEPARTMENT OF ENERGY	6927656	RELEASE55/CONTRAC63	NUCLEAR HYBRID SYSTEM FOR VARIABLE ELECTRICITY AND OIL SHALE	81.CCC	99,069
			Total for Battelle Energy Alliance, LLC		**3,834,459**
Columbia University					
DEPARTMENT OF ENERGY	6921054	1(ACCT # 5-22620)	PETASCALE HIERARCHIAL MODELING VIA PARALLEL EXECUTION	81.049	156
DEPARTMENT OF ENERGY	6930075	2(GG008553)	Device and Fabrication Technology for the Next Generation of Medium Voltage Vertical Transistors	81.135	17,603

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			Total for Columbia University		**17,760**
Plasma Processes, LLC					
DEPARTMENT OF ENERGY	6926127	1012-001-JSO-06152012	Advanced ICRF Antennas for Fusion Energy Devices	81.049	50,458
			Total for Plasma Processes, LLC		**50,458**
Jefferson Science Associates, LLC					
DEPARTMENT OF ENERGY	6926116	12-P2092	MOLLER Engineering	81.049	27,039
			Total for Jefferson Science Associates, LLC		**27,039**
Harvard University					
DEPARTMENT OF ENERGY	6923937	133512-02	Transport and Imaging of Mesoscopic Phenomena in Single and Bilayer Graphene	81.049	478
DEPARTMENT OF ENERGY	6920743	133555-5028381	Transport and Imaging of Mesoscopic Phenomena in Single and Bilayer Graphene	81.049	260,953
			Total for Harvard University		**261,431**
Brookhaven Science Associates, LLC					
DEPARTMENT OF ENERGY	6927489	137005	Construction of the Forward GEM Tracker for the STAR Experiment at BNL	81.CCC	-49,567
DEPARTMENT OF ENERGY	6924870	192272	Design, Fabrication, Integration and Testing of the Intermediate Silicon Tracker (IST) for STAR	81.CCC	398,214
			Total for Brookhaven Science Associates, LLC		**348,647**
Clemson University					
DEPARTMENT OF ENERGY	6923026	1483-225-2007743	Compact, Highly Selective and Specific, Mid Infared (MIR) Chemicial Sensors	81.113	3,319
			Total for Clemson University		**3,319**
Brookhaven National Laboratory					
DEPARTMENT OF ENERGY	6921421	157503	Brookhaven Sub: Platinum Monolayer Oxygen Reduction Electrocatalysts on Nanorods, Nanotubes High-Stability-Low-Cost Supports	81.CCC	108,925
			Total for Brookhaven National Laboratory		**108,925**
University of Wyoming					
DEPARTMENT OF ENERGY	6930170	2014-1100-20966-MIT	The MIT-EMAR Process for CO2 Capture as Feedstock for Production of Commodity Chemicals	81.087	88,185
			Total for University of Wyoming		**88,185**

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Stanford University					
DEPARTMENT OF ENERGY	6922504	25433430-40367-C	Quanitification of Epistemic Uncertainties in Engineering Simulations	81.124	1
			Total for Stanford University		**1**
University of Michigan					
DEPARTMENT OF ENERGY	6925547	3002219006	CERC-CV: U.S. -China Clean Energy Research Center for Clean Vehicles	81.087	124,128
DEPARTMENT OF ENERGY	6925773	SUBCONTRACT #3002272312	Transient Safety Analysis of Fast Spectrum TRU Burning LWRs with Internal Blankets	81.CCC	78,600
DEPARTMENT OF ENERGY	6921585	SUBCONTRACT NO. 3001396971	A University Consortium on High Pressure Lean Combustion (HPLC) for Efficient and Clean ICE	81.117	-368
			Total for University of Michigan		**202,360**
University of Delaware					
DEPARTMENT OF ENERGY	6928524	30190	ARRA - Macromolecular Acid Catalysts for Lignocellulosic Biomass Conversion to Levulinic Acid	81.049	81,901
DEPARTMENT OF ENERGY	6925185	PO NO. 28002	Low cost back contact heterojunction solar cells on thin c-Si wafers: integrating laser and thin film processing for improved manufacturability	81.087	570,483
			Total for University of Delaware		**652,383**
UT- Battelle LLC					
DEPARTMENT OF ENERGY	6923817	4000102892	Consortium for Advanced Simulation of LWRs (CASL)	81.CCC	1,068,267
DEPARTMENT OF ENERGY	6926987	4000109825	Consortium for Advanced Simulation of LWRs (CASL)	81.CCC	156,549
DEPARTMENT OF ENERGY	6924877	SUBCONTRACT 4000109855	Assessing Electric Cooling Capacity of the Southeast U.S. under Future Climates	81.CCC	-2,049
DEPARTMENT OF ENERGY	6923222	SUBCONTRACT NO. 4000100452	ITER ECH Transmission Line System: Research and Scientific Support	81.CCC	187,657
DEPARTMENT OF ENERGY	6924562	SUBCONTRACT NO. 4000107637	New evaluations of Cu-63 and Cu-65	81.CCC	36,294
DEPARTMENT OF ENERGY	6925601	SUBCONTRACT NO. 4000111680	Quench Detection in ITER CS	81.CCC	149,819
DEPARTMENT OF ENERGY	6925664	SUBCONTRACT NO. 4000112961	Document Review and Development of ITER Central Solenoid (CS) Insert Coil and ITER Toroidal Field (TF) Insert Coil	81.CCC	0
DEPARTMENT OF ENERGY	6927578	SUBCONTRACT NO. 4000121480	CS Modules FMECA Failure Modes Analysis	81.CCC	11,606
			Total for UT- Battelle LLC		**1,608,142**
Alstom Power					

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DEPARTMENT OF ENERGY	6926029	4100198339 ITEM 10	Cost Of Energy reduction for offshore Tension Leg Platform (TLP) wind turbine systems through advanced control strategies for energy yield improvement, load mitigation and stabilization	81.087	35,933
			Total for Alstom Power		**35,933**
University of Rochester					
DEPARTMENT OF ENERGY	6926798	415935-G	Charged-Particle Spectroscopy on OMEGA	81.112	78,201
DEPARTMENT OF ENERGY	6928068	416107-G	Magnet PTOF	81.049	344,620
DEPARTMENT OF ENERGY	6921558	PO #415023-G, UR ACCOUNT #5-24431	Fusion Science Ceneter for Extreme States of Matter Fast Ignition Physics	81.049	145,243
			Total for University of Rochester		**568,064**
University of Wisconsin-Madison					
DEPARTMENT OF ENERGY	6926808	424K351	Enhancement of SOFC Cathode Electrochemical Performance Using Multi-Phase Interfaces	81.089	13,561
			Total for University of Wisconsin-Madison		**13,561**
Westinghouse Electric Company, LLC					
DEPARTMENT OF ENERGY	6926954	4500456715	High Temperature Accident Tolerant Cladding with High Density Fuel	81.121	162,550
			Total for Westinghouse Electric Company, LLC		**162,550**
Pennsylvania State University					
DEPARTMENT OF ENERGY	6928167	4762-MIT-DOE-4261	Greater Philadelphia Innovation Cluster for Energy Efficient Building (GPIC)	81.086	248,194
			Total for Pennsylvania State University		**248,194**
The Research Foundation - Stony Brook University					
DEPARTMENT OF ENERGY	6920499	51055	Northeastern Chemical Energy Storage Center (NOCESC)	81.049	197,151
			Total for The Research Foundation - Stony Brook University		**197,151**
Bay Area Photovoltaic Consortium					
DEPARTMENT OF ENERGY	6927896	60212346-51077-J	Design Principles and Defect Tolerances of Silicon / III-V Multijunction Interfaces	81.087	176,582
			Total for Bay Area Photovoltaic Consortium		**176,582**
Lawrence Berkeley National Laboratory					

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Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
DEPARTMENT OF ENERGY	6927619	7055896	TEM and AFM Studies of Nanoparticle Coating on Lithium Battery Materials: Its Effect on Electrode Stability, Battery Cycle Life and Battery Safety	81.CCC	-6,461
DEPARTMENT OF ENERGY	6893506	SUBCONTRACT #6806960	First Principles, Calculations and NMR Spectroscopy of Electrode Materials	81.CCC	29,053
DEPARTMENT OF ENERGY	6917334	SUBCONTRACT NO. 6838062	Molecular Determinants of Community Activity, Stability and Ecology (MDCASE) Environmental Stress Pathway project Formerly Known as Rapid Detection of	81.CCC	500,367
DEPARTMENT OF ENERGY	6920789	SUBCONTRACT NO. 6896518	Center for Nanoscale Control of Geological CO2	81.CCC	163,590
DEPARTMENT OF ENERGY	6922118	SUBCONTRACT NO. 6927716	Advanced 3D Geophysical Imaging Technologic for Geothermal Resource Characterization.	81.CCC	178,663
DEPARTMENT OF ENERGY	6923287	SUBCONTRACT NO. 6947174	Natural Ventilation for Cooling in Commercial and Residential Buildings and Data Centers	81.CCC	126,874
DEPARTMENT OF ENERGY	6927118	SUBCONTRACT NO. 7038094	A BES Predictive Theory and Modeling for Materials and Chemical Sciences	81.CCC	475,733
DEPARTMENT OF ENERGY	6927680	SUBCONTRACT NO. 7056411	First Principles Calculations of Existing and Novel Electrode Materials	81.CCC	271,247
DEPARTMENT OF ENERGY	6927681	SUBCONTRACT NO. 7056592	Design and Scalable Assembly of High Density Low Tortuosity Electrodes	81.CCC	248,367
DEPARTMENT OF ENERGY	6928821	SUBCONTRACT NO. 7075314	High-throughput sorting of microbial cells with specific functional traits for single cell genomics by combining labeling with heavy water, Raman microspectroscopy, microfluidics and flow cytometry	81.CCC	185,602
			Total for Lawrence Berkeley National Laboratory		**2,173,035**
Impact Technologies, LLC					
DEPARTMENT OF ENERGY	6926076	AGMT DTD. 4/1/12	Advanced Millimeter Wave Drilling System	81.087	265,253
			Total for Impact Technologies, LLC		**265,253**
Advanced Conductor Technologies LLC					
DEPARTMENT OF ENERGY	6927560	AGMT. DTD. 2/19/13	Development of Joints for CORC (Cable-Over-Round-Core)	81.049	26,994
DEPARTMENT OF ENERGY	6927763	AGMT. DTD. 4/22/13	REBCO coated conductor cables for fusion magnets Phase II	81.049	124,344
			Total for Advanced Conductor Technologies LLC		**151,337**
Calabazas Creek Research, Inc					
DEPARTMENT OF ENERGY	6927699	AGMT. DTD. 4/10/13	Gyrotron Internal Mode Converter Research	81.049	-27,814
			Total for Calabazas Creek Research, Inc		**-27,814**

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Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
Unity Power Alliance					
DEPARTMENT OF ENERGY	6926819	AGMT. SIGNED 11/8/12	Optimization of Pressurized Oxy-combustion	81.089	4,022
			Total for Unity Power Alliance		**4,022**
UChicago Argonne, LLC					
DEPARTMENT OF ENERGY	6925854	AWARD #2J-30101-0001A	Safety Analysis of Accidents and Transients for LEU Conversion of the MITR-II Research Reactor at MIT	81.CCC	-6,733
DEPARTMENT OF ENERGY	6926541	AWARD #2J-30101-0004A	Thermal Hydraulic Experiments	81.CCC	17,065
DEPARTMENT OF ENERGY	6928492	WO 2J-30101-0005A	Draft Conversion SAR with Updated LEU Element Design for LEU Conversion of the MITR-II Research Reacto	81.CCC	277,334
DEPARTMENT OF ENERGY	6928773	WO 2J-30101-0006A	Ancillary Safety Analysis for LEU Conversion of the MITR-II - work order #6	81.CCC	79,558
DEPARTMENT OF ENERGY	6928779	WO 2J-30101-0007A	Task 7: LEU UZrH Feasibility Study in Support of LEU Conversion of the MITR-II Research Reactor	81.CCC	152,159
			Total for UChicago Argonne, LLC		**519,383**
Electric Power Research Institute					
DEPARTMENT OF ENERGY	6926037	EP-P43786/C19008	CO2 Sources in SECARB	81.CCC	29,261
			Total for Electric Power Research Institute		**29,261**
General Motors Company					
DEPARTMENT OF ENERGY	6923761	GVS01289 PRKY4001 001	Research, Development, and Demonstration of Fuel Cell Technologies for Automotive, Stationary, and Portable Power Application	81.087	100,498
			Total for General Motors Company		**100,498**
Florida Power and Light Company					
DEPARTMENT OF ENERGY	6923906	LETTER DTD 5/16/11	ARRA - Smart Energy Grid Associates partnership for Workforce Training for the Electric Power Sector	81.122	8,030
			Total for Florida Power and Light Company		**8,030**
General Atomics					
DEPARTMENT OF ENERGY	6928945	LETTER SUBCONTRACT NO. 4500047913	Proposal for MIT Collaborations on DIII-D	81.CCC	155,315
			Total for General Atomics		**155,315**
SURA / Jefferson Lab					
DEPARTMENT OF ENERGY	6921867	P.O. 10-P2471	Experimental Research Supervision at Jefferson Lab	81.049	18,389

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			Total for SURA / Jefferson Lab		**18,389**
Detroit Diesel Corporation					
DEPARTMENT OF ENERGY	6923260	PO # 1590015204	ARRA - Fuel-Economy Improvement via Low-Engine-friction Technologies	81.049	189,882
			Total for Detroit Diesel Corporation		**189,882**
Sandia National Laboratories					
DEPARTMENT OF ENERGY	6923413	PO #1072678 UNDER 611557	Research for Next Generation Biofuels and their Combustion in Next Generation Engines	81.CCC	4,086
DEPARTMENT OF ENERGY	6927650	PO #1338950 UNDER 611557	Research for Next Generation Biofuels and their Combustion in Next Generation Engines	81.CCC	34,493
DEPARTMENT OF ENERGY	6925814	PO#1240287 UNDER 611557	Effects of Load, Fatigue and Support on Human Ankle Impedance	81.CCC	-27,283
			Total for Sandia National Laboratories		**11,297**
Supercon					
DEPARTMENT OF ENERGY	6925509	PO 104250	Development of High Current 2G HTS Conductor	81.049	75,717
			Total for Supercon		**75,717**
Ford Motor Company					
DEPARTMENT OF ENERGY	6928693	PO 14164101_001	Rapid Freeform Sheet Metal Forming: Technology Development and System Verification	81.086	166,864
			Total for Ford Motor Company		**166,864**
General Electric Global Research					
DEPARTMENT OF ENERGY	6925066	PO 400103962, ITEM #1	Modeling Creep-Fatigue-Environment Interactions in Steam Turbine Rotor Materials for Advanced Ultra Supercritical Coal Power Plants	81.000	39,672
			Total for General Electric Global Research		**39,672**
Bettis Atomic Power					
DEPARTMENT OF ENERGY	6926212	PO#7009771	The Effect of Environment, Chemistry and Microstructure on the Corrosion Fatigue Behavior of Austenitic Stainless Steels	81.CCC	12,324
			Total for Bettis Atomic Power		**12,324**
Battelle-Pacific Northwest Laboratories					
DEPARTMENT OF ENERGY	6926773	PURCHASE ORDER NO. 194173	Two Column Aerosol Project (TCAP)	81.CCC	-17

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			Total for Battelle-Pacific Northwest Laboratories		**-17**
AdvR, Inc.					
DEPARTMENT OF ENERGY	6929431	STTR AGREEMENT 02/18/2014 UNDER DE-SC0011377	STTR PH I: Optical Waveguide Cross-Correlator for Attosecond Timing Synchronization	81.049	15,649
			Total for AdvR, Inc.		**15,649**
Luna Innovations, Inc.					
DEPARTMENT OF ENERGY	6922086	STTR SUBCONTRACT UNDER DE - C8ER86348 (1927-DOE-2T)	Low Drift Temperature Sensor Gen IV Simultion Test Planning and Hardware Development	81.049	-1,835
			Total for Luna Innovations, Inc.		**-1,835**
University of California - Berkeley					
DEPARTMENT OF ENERGY	6928724	SUB # 7822 PO # BB00104774	Self-sustaining thorium boiling water reactors	81.CCC	94,823
			Total for University of California - Berkeley		**94,823**
Arizona State University					
DEPARTMENT OF ENERGY	6929080	SUBAWARD 14-381	Thin Silicon Solar Cells: A Path to 35% Shockley-Queisser Limits	81.087	46,884
DEPARTMENT OF ENERGY	6928992	SUBAWARD NO. 13-175	In-situ X-ray Nanocharacterization of Defect Kinetics in Chalcogenide Solar Cell Materials	81.087	72,977
			Total for Arizona State University		**119,861**
University of Nebraska					
DEPARTMENT OF ENERGY	6926701	SUBAWARD 25-1217-0013-003	Radiation tolerance and mechanical properties of nanostructured ceramic/metal composites	81.121	112,840
			Total for University of Nebraska		**112,840**
Princeton University					
DEPARTMENT OF ENERGY	6920547	SUBAWARD NO. 00001702	Energy Frontier Research Center in Combustion Science	81.049	232,007
			Total for Princeton University		**232,007**
University of California					
DEPARTMENT OF ENERGY	6925057	SUBAWARD NO. 0130 G PA291	Dynamic metabolic model building based on ensemble modeling approach	81.049	513,348
			Total for University of California		**513,348**
Los Alamos National Security, L.L.C.					

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DEPARTMENT OF ENERGY	6927651	SUBCONTRACT #232591	Phase Stability of Multi-Component Nanocomposites Under Irradiation	81.CCC	203,727
DEPARTMENT OF ENERGY	6926363	SUBCONTRACT 160097-1	ARRA - Advancing our Understanding of Photonic Band Structures for Accelerators	81.CCC	64,953
DEPARTMENT OF ENERGY	6925533	SUBCONTRACT 176033-1	Pb-Bi Corrosion Resistant Alloy Development Program	81.CCC	78
DEPARTMENT OF ENERGY	6928567	SUBCONTRACT 248341-1	Development of a New, Neutron, Time Correlated, Interrogation Method for Measurement of 235U Content in LWR Fuel Assemblies	81.CCC	55,530
DEPARTMENT OF ENERGY	6919303	SUBCONTRACT: 72297-001-09: TASK 1	Task 1: LANL LDRD-DR Project Enhanced Radiation Damage Resistance via Manipulation of the Properties of Nanoscale Materials	81.CCC	-4,128
DEPARTMENT OF ENERGY	6920708	SUBCONTRACT: 72297-001-09: TASK 2	Task 1: LANL LDRD-DR Project Enhanced Radiation Damage Resistance via Manipulation of the Properties of Nanoscale Materials	81.CCC	153,403
			Total for Los Alamos National Security, L.L.C.		**473,563**
Aerodyne Research Incorporated					
DEPARTMENT OF ENERGY	6926432	SUBCONTRACT AGMT ARI 10747-1	Quantum Cascade Laser System for Simultaneous Measurements of 13CO and C18O Carbon Monoxide Isotopologues	81.049	20,547
DEPARTMENT OF ENERGY	6926516	SUBCONTRACT ARI 10750-2	Biomass to Hydrocarbons by Catalytic Fast Pyrolysis.	81.049	167,032
			Total for Aerodyne Research Incorporated		**187,579**
Princeton Plasma Physics Laboratory					
DEPARTMENT OF ENERGY	6923499	SUBCONTRACT NO. S010550-G	Services of Martin Greenwald as FSP Deputy Director for FES Planning	81.CCC	17,395
DEPARTMENT OF ENERGY	6929228	SUBCONTRACT NO. S012981-U	MIT Collaborations on NSTX-U, D-NSTX-SOW-72-181	12.CCC	77,088
			Total for Princeton Plasma Physics Laboratory		**94,483**
National Renewable Energy Laboratory					
DEPARTMENT OF ENERGY	6893962	SUBCONTRACT NO. XCX-2-32227-06	Dual Rotor, Constant Frequency , Variable Speed Generator	81.CCC	-14,527
DEPARTMENT OF ENERGY	6924592	UGA-0-41029-04	Ordering and Corssover in Metamorphic AllinP Alloys	81.CCC	-10,230
DEPARTMENT OF ENERGY	6924557	UGA-0-41029-05	New Business Models to Enable Whole-House Energy Upgrade Market Innovations	81.CCC	23,159
DEPARTMENT OF ENERGY	6926772	UGA-0-41029-06	Development of Novel Low-Cost Thin-Film PV Absorbers With Tunable Optical and Electronic Properties	81.CCC	85,051
DEPARTMENT OF ENERGY	6926590	UGA-0-41029-07	Systems Engineering for Wind Energy	81.CCC	29,719
DEPARTMENT OF ENERGY	6926810	UGA-0-41029-08	MIT Solar Energy Study	81.CCC	56,450

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DEPARTMENT OF ENERGY	6927932	UGA-0-41029-09	Sustainable Photovoltaics and Scalable Concentrating Solar Power (SERIIUS) - MIT	81.CCC	266,241
DEPARTMENT OF ENERGY	6927564	UGA-0-41029-10	Residential Energy Efficiency	81.CCC	10,162
DEPARTMENT OF ENERGY	6929283	UGA-0-41029-12	Coupling of Mechanical Behavior of Cell Components to Electrochemical-Thermal Models Under Crush	81.CCC	67,688
DEPARTMENT OF ENERGY	6929153	UGA-0-41029-13	Systems Engineering for Wind Energy - Research Studies	81.CCC	26,211
DEPARTMENT OF ENERGY	6925379	ZGV-2-22438-01	Development and Validation of a Nonlinear Fluid-Impulse Hydrodynamics Module for FAST	81.087	47,824
			Total for National Renewable Energy Laboratory		**587,748**
University of Texas - Austin					
DEPARTMENT OF ENERGY	6927919	UTA13-000458	ITER ECE Front-End Design Modifications	81.CCC	2,931
DEPARTMENT OF ENERGY	6928873	UTA13-000874	Extreme-scale Bayesian inference for uncertainty quantification of complex simulations)	81.049	10,118
			Total for University of Texas - Austin		**13,049**
			TOTAL for Department of Energy		**14,940,710**

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DEPARTMENT OF HEALTH & HUMAN SERVICES					
Children's Hospital Boston					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6925412	0000527996	Developmental biology of human erythropoiesis (Project 4)	93.839	29,390
			Total for Children's Hospital Boston		**29,390**
University of Pittsburgh					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6923091	0013954 (118082-3)	Novel Glaucoma Diagnostics for Structure and Function	93.867	126,307
DEPARTMENT OF HEALTH & HUMAN SERVICES	6925825	0025089 (120548-1)	Spatial Segregation of Cell Functioning During Motility	93.859	56,057
			Total for University of Pittsburgh		**182,364**
University of Texas-MD Anderson Cancer Center					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6929245	00918640/54444	Project 3: Models for genetic assessment of tumor maitenance genes in PDAC	93.396	396,370
			Total for University of Texas-MD Anderson Cancer Center		**396,370**
Beth Israel Deaconess Medical Center					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6924887	01025254	Cortical Connectivity, Physiology, and Response to Stimulation in Human Epilepsy	93.853	7,306
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926207	01025585	Brain Function and Structure in Young Children at Familial Risk for Schizophrenia	93.242	161,465
DEPARTMENT OF HEALTH & HUMAN SERVICES	6930098	010-27094	Letter Agreement: Jordan Spatz	93.CCC	1,729
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926763	9 R01 GM104987-06	Research Resource for Complex Physiologic Signals	93.859	-3,605
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928537	9 R01 GM104987-07	Research Resource for Complex Physiologic Signals	93.859	422,431
			Total for Beth Israel Deaconess Medical Center		**589,326**
University of California					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6929740	0160 G RC578	Narratives in the Informational Patient Society and their Association with Health Behavior	93.859	56,202
			Total for University of California		**56,202**
Mount Sinai School of Medicine					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6929774	0254-3162-4609	Epigenic Mechanisms of Depression	93.242	93,394

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			Total for Mount Sinai School of Medicine		**93,394**
Mount Sinai Medical Center					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928347	0255-9764-4609	Theranostic HDL nanoparticles for inflammatory macrophages in atherosclerosisis	93.286	5,679
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927608	MSSM NO. 0258-3561/HHSN266200700010C	NAIAD Centers of Excellence for Influenza Research and Surveillance	93.CCC	546,325
DEPARTMENT OF HEALTH & HUMAN SERVICES	6923327	MSSM NO. 0258-3921/HHSN268201000045C	Translational Nanomedical Therapies for Cardiac and Vascular Disease	93.CCC	452,234
			Total for Mount Sinai Medical Center		**1,004,238**
Research Foundation of SUNY-Albany					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6920792	09-18	RNA Modifications as Biomarkers of Environmental Stress and Inflammation	93.113	234,060
			Total for Research Foundation of SUNY-Albany		**234,060**
Columbia University					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6929090	1 (GG007773-02)	Integrated Heart-Liver-Vascular Systems for Drug Testing in Human Health Disease	93.286	122,952
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928861	1(GG006726-32)/G04514	Health effects of Geochemistry of arsenic and manganese	93.286	11,504
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928408	1(GG007773-03)	Integrated Heart-Liver-Vascular Systems for Drug Testing in Human Health Disease	93.286	38,853
DEPARTMENT OF HEALTH & HUMAN SERVICES	6929094	2(GG006413-39)	Understanding global reprograming of central carbon metabolism in cancer	93.310	128,143
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927144	3(GG007773)	Integrated Heart-Liver-Vascular Systems for Drug Testing in Human Health Disease	93.286	4,905
DEPARTMENT OF HEALTH & HUMAN SERVICES	6917022	5-32460	Mouse Models of Gastric Cancer	93.393	15,243
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927142	PO G03501 AWARD 1(GG007522)	Motor Neuron Selector Genes and Mechanism of Their Action	93.853	116,852
			Total for Columbia University		**438,452**
Dana Farber Cancer Institute					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6922748	1006712	Antigen Presentation In Human Autoimmune Diseases	93.855	0
DEPARTMENT OF HEALTH & HUMAN SERVICES	6925195	1006713	Antigen Presentation In Human Autoimmune Diseases	93.855	-2,261
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927076	1006714/1006715	Antigen Presentation In Human Autoimmune Diseases	93.855	40,304

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DEPARTMENT OF HEALTH & HUMAN SERVICES	6928787	1006716	Antigen Presentation and T Cell Programmimg in Human Autoimmune Diseases	93.855	124,628
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928741	1188503	Eliciting B cells to produce anti-HIV gp41 MPER-specific neutralizing antibodies	93.855	286,762
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928903	1214501	Assaying GBM growth and therapy response in single cells and tumorspheres (PQ17)	93.394	16,211
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926764	1214503	Assaying GBM growth and therapy response in single cells and tumorspheres (PQ17)	93.394	288,955
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927451	1216401	Impact of MHC Genotype on Ex Vivo T cell Function in Type 1 Diabetes	93.847	358,005
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928304	1217701	The Dana-Farber Cancer Institute Cancer Target Discovery and Development Center	93.394	70,835
DEPARTMENT OF HEALTH & HUMAN SERVICES	6929482	1225411	DFHCC SPORE in Prostate Cancer - Project 1	93.397	29,896
			Total for Dana Farber Cancer Institute		**1,213,336**
University Health Network					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6924932	101875.4	The RAs/Mapik Pathway in Cardiovascular Disease	93.837	126,564
			Total for University Health Network		**126,564**
Brigham & Women's Hospital					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6922066	105888	Engineered induction of a stem cell homing response	93.939	62,162
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926351	106368	National Alliance for Medical Image Computing: Core 1 A	93.286	147,933
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928358	106370	National Alliance for Medical Image Computing: Core 2	93.286	27,437
DEPARTMENT OF HEALTH & HUMAN SERVICES	6929369	106458	Informatics for Integrating Biology and the Bedside (i2b2) - Core 1 - Science and Tools Subcontracts -Yr 3	93.704	173,332
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927249	106462	Informatics for Integrating Biology and the Bedside	93.704	77,509
DEPARTMENT OF HEALTH & HUMAN SERVICES	6929249	106462	Informatics for integrating Biology and the Bedside (i2b2) ? Core 4 Education	93.704	65,940
DEPARTMENT OF HEALTH & HUMAN SERVICES	6925261	107667	DII4 in Macrophage Activation	93.837	80,331
DEPARTMENT OF HEALTH & HUMAN SERVICES	6925790	107958	Development of FcRn-Targeted Nanoparticles for Efficient Oral Delivery of Insulin	93.286	241,936
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928530	108787	Informatics for Integrating Biology and the Bedside (i2b2) - Supplement	93.879	11,464

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DEPARTMENT OF HEALTH & HUMAN SERVICES	6928415	109443	Neuroimaging Analysis Center (NAC) - Technology Research and Development Core	93.286	210,973
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928788	109471	Multi-Scale Modeling of Sleep Behaviors in Social Networks	93.859	113,980
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928869	109687	Engineering a Biological Glucose Monitor	93.847	36,499
			Total for Brigham & Women's Hospital		**1,249,497**
St. Jude Medical					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6929432	111942010-7571874	Mechanisms to diversify repertoire and modify T cell activity after infection	93.855	19,503
			Total for St. Jude Medical		**19,503**
Harvard University					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928011	112096.5028856	Superfund Basic Research and Training Program superfund Metal Mixtures, Biomarkers and Neurodevelopment	93.143	131,429
DEPARTMENT OF HEALTH & HUMAN SERVICES	6925662	138062-5042320	High Resolution Connectomics of Mammalian Neural Circuits	93.310	643,180
DEPARTMENT OF HEALTH & HUMAN SERVICES	6916842	5013444-00-132502	Pancreatic Islet Design and Engineering (SysCDDE 3 of 10)	93.310	-4,807
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927646	SUB 149047.5059022.1071	NERP017: Genetic Analysis of Innate Immunity to Infection	93.855	286,157
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926994	SUBAWARD 160502-0973	Year 2: Harvard University Center for AIDS Research:Defining and testing novel immunogens	93.855	29,440
			Total for Harvard University		**1,085,399**
Harvard Medical School					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6925868	149734.386545.0523	Clinical Translational Science Award (CTSA) - Year 5	93.389	160
DEPARTMENT OF HEALTH & HUMAN SERVICES	6929676	149739.5079223.0102	Clinical Translational Science Award (CTSA) - MIT-CRC	93.35	121,668
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928300	150737.5073859.0002	Real time fMRI feedback and auditory processing in schizophrenia	93.424	79,705
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928820	151529	Training for Speech and Hearing Sciences	93. 173	191,734
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927002	151529.5063638.0105	Training for Speech and Hearing Sciences	93. 173	38,032
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927003	151529.5063638.0106	Training for Speech and Hearing Sciences	93. 173	3,672

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DEPARTMENT OF HEALTH & HUMAN SERVICES	6927004	151529.5063638.0107	Training for Speech and Hearing Sciences	93. 173	979
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927006	151529.5063638.0109	Training for Speech and Hearing Sciences	93. 173	38,032
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927008	151529.5063638.0111	Training for Speech and Hearing Sciences	93. 173	3,672
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927009	151529.5063638.0112	Training for Speech and Hearing Sciences	93. 173	3,672
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927010	151529.5063638.0113	Training for Speech and Hearing Sciences	93. 173	38,032
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927011	151529.5063638.0114	Training for Speech and Hearing Sciences	93. 173	3,672
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927012	151529.5063638.0115	Training for Speech and Hearing Sciences	93. 173	3,672
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927015	151529.5063638.0118	Training for Speech and Hearing Sciences	93. 173	3,672
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927016	151529.5063638.0119	Training for Speech and Hearing Sciences	93. 173	3,672
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927018	151529.5063638.0121	Training for Speech and Hearing Sciences	93. 173	38,032
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927625	151529.5067921.0122	Training for Speech and Hearing Sciences	93. 173	3,672
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927624	151538.5069731.0104	Training Program in Bioinformatics and Integrative Genomics	93. 173	3,672
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927623	151538.5069733.0105	Training Program in Bioinformatics and Integrative Genomics	93. 173	3,672
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928171	151538.5073979.0106	Training Program in Bioinformatics and Integrative Genomics	93. 173	6,208
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928172	151538.5074057.0107	Training Program in Bioinformatics and Integrative Genomics	93. 173	6,000
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928174	151538.5074059.0109	Training Program in Bioinformatics and Integrative Genomics	93. 173	6,084
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928173	151538.5074061.0108	Training Program in Bioinformatics and Integrative Genomics	93. 173	6,125
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928728	151538.5077568.0110	Training Program in Bioinformatics and Integrative Genomics	93. 173	16,099
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927801	PENDING	Clinical Translational Science Award (CTSA) - MIT-CRC	93.389	52,375
			Total for Harvard Medical School		**675,987**

University of Wisconsin

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Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927040	162K971	Multistability in Biological Networks	93.859	27,685
			Total for University of Wisconsin		**27,685**
Rush University Medical Center					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6924854	1-R01-RO57066-01A2	Cartilage Degeneration and Repair By ADAMTSs and Hyaluronan Binding Proteins	93.846	17,281
			Total for Rush University Medical Center		**17,281**
Massachusetts General Hospital					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6918124	207607	Probing the Tumor Microenvironment Using Nanotechnology	93.395	22,852
DEPARTMENT OF HEALTH & HUMAN SERVICES	6920550	214763	In Vivo Systems Biology of Inflammatory Response in the Intestinal Epithelium	93.859	-20,827
DEPARTMENT OF HEALTH & HUMAN SERVICES	6924885	218459	Enhancing Self-Control of Cigarette Craving with Real-Time fMRI	93.279	64,166
DEPARTMENT OF HEALTH & HUMAN SERVICES	6924807	219658	Parallel Excitation Methods for High Field MRI	93.286	229,740
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928119	220682	Stephanie Nam, Off-Campus RA ? 1/13-1/15	93.394	67,145
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927610	222103	Optimizing human B and T cell vaccines against HIV using humanized BLT mice	93.855	305,650
DEPARTMENT OF HEALTH & HUMAN SERVICES	6929141	223711	The Mammalian Stem Cell Niche in Cancer (CSIBD Pilot/feasibilty)	93.847	11,822
DEPARTMENT OF HEALTH & HUMAN SERVICES	6921228	R01 HL096576-04 MGH # 214844	Cluster-Imaging of Emerging Biomarker networks in Wound Healing	93.837	1,098
DEPARTMENT OF HEALTH & HUMAN SERVICES	6917295	SUBAWARD 205852	Multiscale Dynamic Measurements and Modeling of Cerebrovascualr Physiology	93.853	-3,910
DEPARTMENT OF HEALTH & HUMAN SERVICES	6920923	SUBAWARD 215009	Small-Molecule Probes and Methods for Modulating Chromatin-Mediated Neuroplasticity	93.279	168,832
DEPARTMENT OF HEALTH & HUMAN SERVICES	6924915	SUBAWARD 219501	In Vivo Systems Biology of Neurodegenerative Diseases	93.866	99,478
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926604	SUBAWARD 221141	Hypoxia-induced Metabolic Changes in Cancer	93.866	137,538
DEPARTMENT OF HEALTH & HUMAN SERVICES	6925861	SUBAWARD NO. 220701	Ambulatory Monitoring of Vocal Function to Improve Voice Disorder Assessment	93.173	131,864
			Total for Massachusetts General Hospital		**1,215,448**
Harvard School of Public Health					

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DEPARTMENT OF HEALTH & HUMAN SERVICES	6926725	23600-116198(0513); 5P01TP000307	Linking Assessment and Measurement to PHEP through Engineering Systems Analysis, Project 2	93.930	40,296
			Total for Harvard School of Public Health		**40,296**
Stanford University					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6929027	26699040-47281-C	Center for Cancer Nanotechnology Excellence and Translation (CCNE-T) - Year 4	93.397	71,172
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927103	26699040-47281-C - REQ # 3079615	Center for Cancer Nanotechnology Excellence and Translation (CCNE-T) - Year 3	93.397	20,310
DEPARTMENT OF HEALTH & HUMAN SERVICES	6929883	60391945-106845-A	Dynamic Imaging of EMT in the Breast Cancer Microenvironment	93.396	55,857
			Total for Stanford University		**147,339**
University of Wisconsin-Madison					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927748	375K351	Year 2: Resistance and Resiliency in a Natural Host-Microbe Symbiosis	93.859	89,580
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928831	499K181	Human iPS/ES Cell-Based Models for Predictive Neural Toxicity and Teratogenicity Administrative Supplement	93.35	6,818
			Total for University of Wisconsin-Madison		**96,398**
Rutgers University					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6924848	4482/PO#S1579843/ACCT#433885/ ORGID10648	Transient Behaviors Of Adapting Biological Systems	93.859	207,366
DEPARTMENT OF HEALTH & HUMAN SERVICES	6925862	4677/PO#S1685723/ACCT#434428/ ORGID10648	Collaborative Research: Transient Behaviors of Adapting Biological Systems	93.859	80,764
			Total for Rutgers University		**288,130**
Boston University					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926862	4500001071	Center for Innovation in Point of Care Technologies for the Future of Cancer Care	93.286	35,612
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927030	4500001138	Prefrontal and Medial-Temporal Interactions in Memory	93.242	27,142
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927075	4500001148	Complex Chemotypes: Discovery, Methodology, and Library Expansion	93.859	59,890
DEPARTMENT OF HEALTH & HUMAN SERVICES	6930176	4500001279	Modeling bi-directional signaling and cytoskeletal dynamics in 3D cell migration	93.393	337,423
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928410	4500001302	Integrative Analysis to Discover Genetic Factors behind Diabetes	93.847	15,564
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928481	4500001330	Center for Innovation in Point of Care Technologies for the Future of Cancer Care	93.286	187,934

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Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
DEPARTMENT OF HEALTH & HUMAN SERVICES	6929218	4500001446	Causal Analysis of Electrically Connected Neural Networks	93.242	99,094
DEPARTMENT OF HEALTH & HUMAN SERVICES	6930070	4500001555	Modeling bi-directional signaling and cytoskeletal dynamics in 3D cell migration	93.393	3,950
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928892	FRN 4500001418	Prefrontal and Medial-Temporal Interactions in Memory	93.242	135,563
DEPARTMENT OF HEALTH & HUMAN SERVICES	6925849	SUBAWARD NO. 4500000222	CRCNS: GAMMA Rythms and Cell Assemblies	93.853	0
DEPARTMENT OF HEALTH & HUMAN SERVICES	6924445	SUBAWARD NO. 4500000995	Auditory Feature and Conjunction Processing	93.173	8,392
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927158	SUBAWARD NO. 4500001147	CRCNS: GAMMA Rythms and Cell Assemblies	93.853	126,567
			Total for Boston University		**1,037,130**
Mayo Clinic					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6925395	4U01AI089859-02	High-throughput immunophenotypic analyses of humoral responses to West Nile virus	93.855	3,371
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926995	5U01AI089859-03	High-throughput immunophenotypic analyses of humoral responses to West Nile virus	93.855	59,467
			Total for Mayo Clinic		**62,838**
Northeastern University					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6923334	5001937050	Acquisition of Prosodic Control in Typically Developing Children	93.865	343
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926399	500252	Impact of Lipids on Compound Absorption: Mechanistic Studies and Modeling	93.859	77,147
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926456	5002581	Impact of Lipids on Intestinal Mucus Transport and Structural Properties	93.286	27,562
			Total for Northeastern University		**105,051**
The Broad Institute, Inc.					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928452	5310122-5500000519	High-throughput sequencing of chromatin regulatory elements	93.172	154,469
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927074	7210121-6000000617	High-throughput sequencing of chromatin regulatory elements	93.172	60,640
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926597	SUB NO: 5500000428-6030040 -YR 2	Functional Genomics of Neuroplasticity in Schizophrenia	93.242	3,419
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928629	SUB NO: 5500000428-6030040 -YR 3	Functional Genomics of Neuroplasticity in Schizophrenia	93.242	172,147
			Total for The Broad Institute, Inc.		**390,675**

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Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
University of North Carolina-Chapel Hill					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6925228	5-50741	Bioengineering Partnership to Improve Chemical Hazard Testing Paradigms - Year 5	93.114	13,525
			Total for University of North Carolina-Chapel Hill		**13,525**
Ohio State University					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6925945	60030782-PO RF01288377	Role of stress-induced reduction in Lactobacillus reuteri on colonic inflammation	93.213	49,885
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926603	60037082, PO RF01301723	Developing a Scientific Workforce Analysis & Modeling Framework	93.859	-903
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928374	60040917/PO RF01334401	Developing a Scientific Workforce Analysis & Modeling Framework	93.859	109,505
			Total for Ohio State University		**158,486**
Northwestern University					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928690	60032667 MIT	Ex Vivo Female Reproductive Tract Integration In a 3D Microphysiologic System - Admin Supplement	93.113	24,360
			Total for Northwestern University		**24,360**
University of Massachusetts Medical Center					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927133	6145892/RFS2013072	EDAC: Encode Data Analysis Center	93.172	136,974
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928813	WA00133058/RFS2014041	EDAC: Encode Data Analysis Center	93.172	485,949
DEPARTMENT OF HEALTH & HUMAN SERVICES	6923380	WA00223268/RFS2013096	Systems Biology of Insulin Resistance	93.847	401,103
DEPARTMENT OF HEALTH & HUMAN SERVICES	6923382	WA00223269/RFS2013095	Systems Biology of Insulin Resistance	93.847	362,431
DEPARTMENT OF HEALTH & HUMAN SERVICES	6923381	WA00223270/RFS2013097	Systems Biology of Insulin Resistance	93.847	163,386
			Total for University of Massachusetts Medical Center		**1,549,842**
University of California - San Francisco					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6924455	6680SC	Deconstructing and Reconstructing the T Cell Signaling Network	93.855	203,004
DEPARTMENT OF HEALTH & HUMAN SERVICES	6924456	6681SC	Deconstructing and Reconstructing the T Cell Signaling Network	93.855	66,351
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926089	7083SC	A Toolkit for Light-Control of Molecular Processes in Living Cells	93.859	49,868

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Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
			Total for University of California - San Francisco		**319,222**
University of Washington					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926444	743356	Northwest Reference Epigenome Mapping Center	93.113	-119,016
			Total for University of Washington		**-119,016**
Mayo Clinic Rochester					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927841	90TR0002/01	ARRA - SHARP Area 4: Secondary Use of EHR Data	93.728	54,738
			Total for Mayo Clinic Rochester		**54,738**
Joslin Diabetes Center					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6919202	AGMT UNDER 1-R01-EY019029-01	Role of the Kallikrein-Kinin System in Diabetic Retinopathy	93.867	-18,788
			Total for Joslin Diabetes Center		**-18,788**
Praevium Research Inc.					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928842	AGMT. DTD. 11/26/13	VCSEL technology for ultrahigh speed OCT retinal and anterior eye imaging	93.867	54,306
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927188	AGMT. DTD. 9/30/12	VCSEL technology for ultrahigh speed OCT retinal and anterior eye imaging	93.867	4,594
DEPARTMENT OF HEALTH & HUMAN SERVICES	6923290	SBIR AGMT 2R44CA101067-05	Ultrahigh Speed and Resolution OCT/OCM Using Broadband Swept VCSEL Technology	93.394	62,783
			Total for Praevium Research Inc.		**121,683**
Sensimetrics Corporation					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927196	AGMT. DTD. 2/1/13	Development of Physiologically Inspired Signal-Processing Strategies for Cochlear Implants	93.CCC	36,477
			Total for Sensimetrics Corporation		**36,477**
Trevigen, Inc.					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6929288	AGREEMENT DATED 5/30/12	SBIR: DNA Repair-on-a-Chip: Spatially Encoded Microwell Arrays	93.113	123,239
			Total for Trevigen, Inc.		**123,239**
Ferro Solutions, Inc.					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928800	AGREEMENT DATED 8/1/13	Phase II SBIR: Closed Loop Wireless Optical Neuromodulation Systems	93.CCC	247,673

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			Total for Ferro Solutions, Inc.		**247,673**
Yale University					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928682	C14A11716(A09395)	High-throughput, multiplexed detection of miRNA biomarkers in single cancer cells	93.396	17,330
DEPARTMENT OF HEALTH & HUMAN SERVICES	6929143	CA14A11955(A10062)	Analysis of signaling and mechanical cues promoting invasion in melanoma	93.396	2,033
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926250	M12A11190(A08389)	Defining Signatures for Immune Responsiveness by Functional Systems Immunology	93.855	1,866
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928740	M12A11190(A08872)	Defining Signatures for Immune Responsiveness by Functional Systems Immunology	93.855	159,184
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928783	M1411743(A09391)	Modeling human phosphorylation networks through kinome-wide profiling	93.859	13,065
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928778	M14A11743(A09391)	Modeling human phosphorylation networks through kinome-wide profiling	93.859	119,045
DEPARTMENT OF HEALTH & HUMAN SERVICES	6929149	SUB U01 CA155758	Analysis of signaling and mechanical cues promoting invasion in melanoma	93.396	15,997
			Total for Yale University		**328,519**
Haskins Laboratories					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6924609	CONSORTIUM AGMT. UNDER NIH R01-DC008780	Variability and Error in Speech Production	93.173	21,547
			Total for Haskins Laboratories		**21,547**
Battelle-Pacific Northwest Laboratories					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6925437	CONTRACT NO. 174694	Center for Application of Advanced Clinical Proteomic Technologies for Cancer	93.394	27,404
			Total for Battelle-Pacific Northwest Laboratories		**27,404**
Burke Medical Research Institute					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6925488	DE3849-01C	Transcranial Direct Current Stimulation and Robotic Training in Chronic Stroke	93.865	350
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928345	DE3849-02C	Transcranial Direct Current Stimulation and Robotic Training in Chronic Stroke	93.865	125,615
DEPARTMENT OF HEALTH & HUMAN SERVICES	6929733	DE3849-03C	Transcranial Direct Current Stimulation and Robotic Training in Chronic Stroke	93.865	5,901
			Total for Burke Medical Research Institute		**131,866**
Oregon Health and Science University					

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DEPARTMENT OF HEALTH & HUMAN SERVICES	6923337	GCAEI0268A MIT	Advanced Imaging for Glaucoma	93.867	-2,395
DEPARTMENT OF HEALTH & HUMAN SERVICES	6929538	GCAEI0303A_MIT	Guiding the Treatment of Anterior Eye Diseases with Optical Coherence Tomography	93.867	166,109
			Total for Oregon Health and Science University		**163,715**
Case Western Reserve University					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928865	GRISWOLD RES508442 INVOICE	Magnetic Resonance Fingerprinting (MRF) for Improved High Field MR	93.286	115,484
DEPARTMENT OF HEALTH & HUMAN SERVICES	6920554	RES504334	Raman Spectroscopy for Guidance of Stereotactic Breast Biopsies for Microcalcifications	93.394	-34,492
DEPARTMENT OF HEALTH & HUMAN SERVICES	6920637	ROLLINS RES504358 INVOICE	Investigating the Early Embryonic Murine Heart Using Optical Coherence Tomography	93.837	-13,714
			Total for Case Western Reserve University		**67,279**
Tufts University					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6929499	HS311 SUBCONTRACT AGMT	Assessment of Food Intake Using Speech-Understanding Technology	93.837	25,924
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926449	HS4976 SUBCONTRACT AGMT	Models to Predict Protein Biomaterial Performance	93.286	157,561
			Total for Tufts University		**183,485**
National Bureau of Economic Research, Inc.					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6929071	JPAL-33-4135-08	Intervention to Fight Anemia & Improve Well-Being in a Very Low Income Setting	93.866	8,942
			Total for National Bureau of Economic Research, Inc.		**8,942**
Mass. Eye And Ear					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6922079	MEEI 30423	Auditory Neural Coding of Speech	93.173	91,253
DEPARTMENT OF HEALTH & HUMAN SERVICES	6918861	PO F272662/2-R01-DC005755-06A1	Bilateral Cochlear Implants: Physiology and Psychophysics	93.173	9,398
			Total for Mass. Eye And Ear		**100,651**
International AIDS Vaccine Initiative					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926944	MITRSA1001 (1122)	Interplay of B cells and HIV that leads to broad neutralizing antibody responses	93.855	59,211
			Total for International AIDS Vaccine Initiative		**59,211**
Baylor College of Medicine					

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DEPARTMENT OF HEALTH & HUMAN SERVICES	6928540	PO #5600923755 SHOPPING CART 101835478 PRIME 5PN2EY016525-10	Restricted Parent: Center for Protein Folding Machinery	93.867	129,847
DEPARTMENT OF HEALTH & HUMAN SERVICES	6922879	PO 5600594550-101321035	Modulation of NF-kB Signaling by Immunoprobiotics	93.847	75,559
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928699	SHOPPING CART 101835478 PRIME 5PN2EY016525-10	Restricted Parent: Center for Protein Folding Machinery	93.867	230,231
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926558	SHOPPING CART NO. 101686700 PRIME AWARD NO. 5-PN-2EY016525-08	Restricted Parent: Center for Protein Folding Machinery	93.867	21,293
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926557	SHOPPING CART NO. 101686700 PRIME AWARD NO. 5-PN-2EY016525-09REVISED	Restricted Parent: Center for Protein Folding Machinery	93.867	55,784
			Total for Baylor College of Medicine		**512,714**
University of Arizona					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926403	PO 47602	Biosynthesis of deazapurine_containing metabolites	93.859	16,478
			Total for University of Arizona		**16,478**
Rockefeller University					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6924440	R01DK085713-03	Modeling human hepatotropic infections in complex tissue organoids	93.310	258,262
			Total for Rockefeller University		**258,262**
University of Pennsylvania					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6920502	R01-EB008396-04	Engineering Multicellular Tissue Structure, Function and Vascularization	93.286	29,285
			Total for University of Pennsylvania		**29,285**
J. David Gladstone Institutes					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926387	R2216-A	The Epigenetic Landscape of Heart Development	93.837	285,474
			Total for J. David Gladstone Institutes		**285,474**
Michigan State University					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6929800	RC102953MIT	Center for Innovation in Point of Care Technologies for the Future of Cancer Care	93.286	3,367
			Total for Michigan State University		**3,367**
Cytex Therapeutics, Inc.					

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DEPARTMENT OF HEALTH & HUMAN SERVICES	6923102	RES. AGMT. DTD. 11/23/10	Hip Joint Resurfacing with Functional Human Cartilage	93.846	1
			Total for Cytex Therapeutics, Inc.		**1**
Lumicell, Inc.					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928947	SBIR U54CA165024	Gel Cap Intestinal Delivery	93.CCC	5,490
			Total for Lumicell, Inc.		**5,490**
Johns Hopkins University					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926647	SUB U01 CA155758	Analysis of signaling and mechanical cues promoting invasion in melanoma	93.396	82,615
DEPARTMENT OF HEALTH & HUMAN SERVICES	6918309	SUB UNDER NIH PRIME 2-P01-ES006052	Molecular Biomarkers for Environmental Toxicants	93.113	99,772
			Total for Johns Hopkins University		**182,387**
Universidad Central del Caribe					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926522	SUB UNDER PRIME R01-MH099557 -02	Computational and Functional Characterization of the Molecular Steps in Membran	93.242	96,525
			Total for Universidad Central del Caribe		**96,525**
Brown University					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6924113	SUBAWARD 00000276; P.O. P261163	Multiscale Modeling and Parallel Simulations of Blood Flow in Cerebral Malaria and Sickle Cell Diseases	93.839	-603
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928094	SUBAWARD 00000624	Multiscale Modeling of Sickle Cell Anemia: Methods and Validation	93.839	223,150
			Total for Brown University		**222,547**
The Wellcome Trust					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6922856	SUBAWARD 0244-05	Integrated Human Genome Annotation: Generation of a Reference Geneset Set	93.172	-13,188
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926690	SUBAWARD 0244-05	Integrated Human Genome Annotation: Generation of a Reference Geneset Set - Supplement	93.172	12,251
DEPARTMENT OF HEALTH & HUMAN SERVICES	6927934	SUBAWARD 2186-05	GENCODE: Comprehensive gene annotation for human and mouse	93.172	153,775
			Total for The Wellcome Trust		**152,838**
Rehabilitation Institute of Chicago					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6930094	SUBAWARD AGREEMENT # 3024	Recording Neural Activities onto DNA	93.242	370,663

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			Total for Rehabilitation Institute of Chicago		**370,663**
University of California/Davis					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926330	SUBAWARD AGREEMENT NO. 201017009-01	Mechanisms of how nuclear envelope bridges link nuclei to the cytoskeleton	93.859	89,874
			Total for University of California/Davis		**89,874**
Vivonics, Inc.					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6920983	SUBCONTRACT #1359-S001	Catheter Guidance System for RF Ablation of Cardiac Arrhythmias	93.837	269
			Total for Vivonics, Inc.		**269**
Massachusetts Technology Collaborative					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928639	TASK ORDER 14-1: AC7503	ARRA - MIT Program Evaluation of the Massachusetts Health Information Exchange Program	93.719	125,336
			Total for Massachusetts Technology Collaborative		**125,336**
University of Connecticut Health Center					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928265	UCHC6-31827572	Dynamics and Topology of Phosphotyrosine-SH2 Interaction Networks	93.396	143,193
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926485	UCHC6-34616290	Comprehensive Analysis of Functional RNA Elements Encoded in the Human Genome	93.172	9,631
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928552	UCHC6-43110843	Comprehensive Analysis of Functional RNA Elements Encoded in the Human Genome	93.172	308,524
			Total for University of Connecticut Health Center		**461,348**
Vanderbilt University					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6928646	VUMC 36112	Etiological Studies of Gastric Carcinoma	93.393	204,939
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926371	VUMC 38902	Rational Maturation of Beta Cells Based on in Depth Profiling (RatMat)	93.847	10,535
DEPARTMENT OF HEALTH & HUMAN SERVICES	6926720	VUMC38861	Year 2	93.394	196,982
			Total for Vanderbilt University		**412,457**
Washington University in St. Louis					
DEPARTMENT OF HEALTH & HUMAN SERVICES	6929054	WU-14-171	Cross-scale interactions between mineral and collagen for tendon-bone attachment	93.286	36,440
			Total for Washington University in St. Louis		**36,440**

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TOTAL for Department of Health & Human Services					**17,688,170**

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MISCELLANEOUS FEDERAL GOVT					
Harvard University					
MISCELLANEOUS FEDERAL GOVT	6923592	01-137270	Mapping Regional Innovation Clusters	11.303	203,341
MISCELLANEOUS FEDERAL GOVT	6929123	105211-5064644	Testing the National Digital Stewardship Residency (NDSR) Model in Boston, MA	45.313	6,998
			Total for Harvard University		**210,339**
Siemens Corporation, Corporate Technology					
MISCELLANEOUS FEDERAL GOVT	6929661	102-01	Knowledge Representation in Neural Systems	12.CCC	133,687
			Total for Siemens Corporation, Corporate Technology		**133,687**
Kestrel Institute					
MISCELLANEOUS FEDERAL GOVT	6922988	10-C-7026-MIT	Confinement of New Executable Software Binaries of Uncertain Provenance	12.CCC	977,540
			Total for Kestrel Institute		**977,540**
University of New Hampshire					
MISCELLANEOUS FEDERAL GOVT	6925804	12-085	Gulf of Maine Regional Aquatic Nuisance Species Proposal	11.417	9,758
			Total for University of New Hampshire		**9,758**
Duke University					
MISCELLANEOUS FEDERAL GOVT	6924804	12-DHS-1036	X-Ray Scatter and Phase Imaging for Explosive Detection	97.065	338,835
			Total for Duke University		**338,835**
University of Illinois-Urbana Champaign					
MISCELLANEOUS FEDERAL GOVT	6925791	2012-02061-03	Intercity Passenger Rail	20.701	217,218
			Total for University of Illinois-Urbana Champaign		**217,218**
Stevens Institute of Technology					
MISCELLANEOUS FEDERAL GOVT	6928557	2102272-01	Center for excellence for Maritime, Island and Extreme/remote Environments Security (CSR)	97.061	49,981
MISCELLANEOUS FEDERAL GOVT	6928760	2102298-01	Port Resiliency Decision Toolkit and Framework	97.061	20,285
MISCELLANEOUS FEDERAL GOVT	6926344	SUBAWARD #527782-001	The National Center for Secure and Resilient Maritime Commerce and Coastal Environments (CSR)	97.061	24,922
			Total for Stevens Institute of Technology		**95,188**

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Syracuse University					
MISCELLANEOUS FEDERAL GOVT	6928422	26150-03225-S01	Developing an Alternate Reality Game Toolkit for Libraries	45.312	1,841
			Total for Syracuse University		**1,841**
Boston University					
MISCELLANEOUS FEDERAL GOVT	6927087	4500001160	Establishing Exclusion Criteria and teh Significance of Inclusion for Complex Low-Template DNA Mixtures	16.560	115,609
			Total for Boston University		**115,609**
Lincoln Laboratory					
MISCELLANEOUS FEDERAL GOVT	6926777	7000213564	En-Route and Terminal Speed & Altitude Optimization	20.CCC	64,402
			Total for Lincoln Laboratory		**64,402**
BAE Systems, PLC					
MISCELLANEOUS FEDERAL GOVT	6925496	797597	FINDER Program	12.CCC	5,409
MISCELLANEOUS FEDERAL GOVT	6928207	797597 PHASE 1B	FINDER Program	12.CCC	99,527
			Total for BAE Systems, PLC		**104,936**
Boston University Medical Campus					
MISCELLANEOUS FEDERAL GOVT	6925487	9500300555	Low-Temperature DNA Mixture Interpretation: Determining the number of contributors	16.560	23,159
			Total for Boston University Medical Campus		**23,159**
Sea Engineering, Inc.					
MISCELLANEOUS FEDERAL GOVT	6927988	AGMT DATED 8/13/13 UNDER PRIME AWARD EP-S9-08-04	Use of Passive Sampling to Investigate DDT Derivatives (DDx) at the United Heckathorn Superfund Site	66.CCC	74,987
			Total for Sea Engineering, Inc.		**74,987**
ESPACE					
MISCELLANEOUS FEDERAL GOVT	6928454	AGMT. DTD. 8/14/13	IMPACT: Validation of iEPS in Space	12.CCC	342,845
			Total for ESPACE		**342,845**
Radiation Monitoring Devices					
MISCELLANEOUS FEDERAL GOVT	6926933	C13-16	TIBr Spectrometers With Improved Long Term Stability at Room Temperature	97.CCC	-1,467
MISCELLANEOUS FEDERAL GOVT	6928922	C14-13	Photonic Crystal Structures for Transformational Gain in Scintillator Performance	97.CCC	54,885

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MISCELLANEOUS FEDERAL GOVT	6928889	RMD C14-07	TIBr Spectrometers With Improved Long Term Stability at Room Temperature	97.CCC	45,745
			Total for Radiation Monitoring Devices		**99,163**
Council on Library and Information Resources					
MISCELLANEOUS FEDERAL GOVT	6928937	CON-479	Closing the Gap: Identifying Needs in Continuing Education for Managing Cultural Heritage Data.	45.313	12,379
			Total for Council on Library and Information Resources		**12,379**
Colorado State University					
MISCELLANEOUS FEDERAL GOVT	6928840	G-9870-1	Estimating the Effects of Changing Climate on Fires and Consequences for U.S. Air Quality, Using a Set of Global and Regional Climate Models	15.232	3,978
			Total for Colorado State University		**3,978**
Consensus Building Institute					
MISCELLANEOUS FEDERAL GOVT	6927248	NA09NOS4190153	NERRS New England Climate Adaptation Project	11.419	135,104
			Total for Consensus Building Institute		**135,104**
BBN Technologies Corporation					
MISCELLANEOUS FEDERAL GOVT	6927089	PO #9500010544	Integrated Cognitive Neuroscience Architectures for Understanding Sensemaking (ICArUS)	12.CCC	339,184
MISCELLANEOUS FEDERAL GOVT	6928206	PO #9500011262	Babelon	12.CCC	191,226
			Total for BBN Technologies Corporation		**530,410**
Veterans Affairs Maryland Health Care System, VAMHCS					
MISCELLANEOUS FEDERAL GOVT	6927562	PO#512-C30134	Skywalker Safety: Rehabilitation Potential and Cardiac Response	64.CCC	-316
MISCELLANEOUS FEDERAL GOVT	6929113	VA245-14-C-0039	MIT Adaptive Games and Development of Alpha-Prototype of the MIT-Skywalker	64.CCC	28,982
			Total for Veterans Affairs Maryland Health Care System, VAMHCS		**28,666**
Draper Laboratory Incorporated					
MISCELLANEOUS FEDERAL GOVT	6923669	SC001-547	Aggregative Contingent Estimation (ACE)	12.CCC	-142
			Total for Draper Laboratory Incorporated		**-142**
L3 Communications					
MISCELLANEOUS FEDERAL GOVT	6921745	SUBCONTRACT #M152981	Advanced Technology Demonstration for Rapidly Re-locatable Shielded Nuclear Alarm Resolution (SNAR) Prototype	97.CCC	64,745

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			Total for L3 Communications		**64,745**
Georgia Institute of Technology					
MISCELLANEOUS FEDERAL GOVT	6927178	SUBCONTRACT RC051-S1	Optimized Resources and Architectures for Quantum Algorithms (ORAQL)	12.CCC	79,339
			Total for Georgia Institute of Technology		**79,339**
University of Texas - Austin					
MISCELLANEOUS FEDERAL GOVT	6926041	UTA12-000624	Analysis of Dynamic, Flexible NOx and SO2 Abatement for Power Plants in the Eastern US and Texas	66.509	61,599
			Total for University of Texas - Austin		**61,599**
Cypress Hills Local Development Corporation					
MISCELLANEOUS FEDERAL GOVT	6927606	X5-96298512-0	Cypress Hills Air Quality (CHAQ) Initiative	66.610	2,935
			Total for Cypress Hills Local Development Corporation		**2,935**
University of Maryland					
MISCELLANEOUS FEDERAL GOVT	6926608	Z908802	Five-Year Operational Expectations for the National Airspace System - DO 17	20.RD	38,744
			Total for University of Maryland		**38,744**
University of Maryland - College Park					
MISCELLANEOUS FEDERAL GOVT	6924989	Z987501	Distributed Mechanisms for Determining NAS-Wide Service Level Expectations	20.RD	67,839
MISCELLANEOUS FEDERAL GOVT	6928684	Z987701	Analysis and Modeling of Passenger Delay in the NAS	20.RD	219,959
MISCELLANEOUS FEDERAL GOVT	6925061	Z988203	The Impact of Oil Prices on the Air Transportation Industry	20.RD	8,901
MISCELLANEOUS FEDERAL GOVT	6924930	Z988401	ADS-B AIRB with Alerting Research (Delivery order No. 10)	20.CCC	115,972
MISCELLANEOUS FEDERAL GOVT	6925073	Z990002	Wake Turbulence Analysis and Research to Study NextGen Operations	20.RD	79,199
MISCELLANEOUS FEDERAL GOVT	6925072	Z990301	The Impact of Air Transportation on U.S. Productivity	20.RD	3,928
			Total for University of Maryland - College Park		**495,798**
			TOTAL for Miscellaneous Federal Govt		**4,263,063**

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION					
University Space Research Assoc.					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6928949	09960-13	Augmentation of Sensorimotor Adaptability Using Stochastic Resonance Technologies	43.001	30,413
			Total for University Space Research Assoc.		**30,413**
Applied Physics Lab of Johns Hopkins					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6927060	111556	Are Saturn tori variable?	43.000	51,685
			Total for Applied Physics Lab of Johns Hopkins		**51,685**
CalTech - Jet Propulsion Lab					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6899758	1283622	Voyager Interstellar Mission (VIM) Plasma Science	43.000	288,503
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6928417	1487122	Multi-model sea-ice kernels for improving estimates of modeled sea-ice uncertainty: Preliminary applications to insolation effects and to sea-ice dynamics	43.000	81,345
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6927192	RSA 1472797	The Eccentric Exoplanets: A Survey of Atmospheric heating and Variability	43.CCC	51,685
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6927224	RSA 1474090	Critical Support Data for Seasonal Change in Pluto's Atmosphere	43.CCC	2,817
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6927191	RSA 1474483	Characterization of a Low-density Exo-Neptune & Understanding Other Worlds w/ spritzer: From Hot Supeters to Super-Earths	43.CCC	56,488
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6929376	RSA 1499601	Critical Support Data for Seasonal Change in Pluto's Atmosphere	43.CCC	5,918
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6929298	RSA 1499620	Measuring the masses of the shortest-period planets	43.CCC	7,371
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6922750	RSA NO. 1417386	Towards Earth and Beyond: the GJ1214 Opportunity, GO7 PI 0049	43.CCC	-7
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6924522	RSA NO. 1439663	The first detection of the thermal emission from a solid exoplanet - Spitzer Project PID 80231	43.CCC	7,650
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6926224	RSA NO. 1463042	KECK 2012 B Award: Critical Support Data for Seasonal Change in Pluto's	43.CCC	831
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6928843	RSA NO. 1492486	Free Space Optical Communications for Small Satellites	43.001	8,211
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6923676	SUBCONTRACT 1428190	Estimating the Circulation and Climate of the Ocean for CLIVAR	43.CCC	304,963
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6924867	SUBCONTRACT 1444168	Strelley Pool Formation	43.CCC	6,666

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6925312	SUBCONTRACT 1449788	Benchmarking Thermolysis and Pyrolysis of Organic Matter on the SAM Instrument Suite	43.CCC	100,985
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6925531	SUBCONTRACT 1453629	Planning for MIT Comet Magnetization Investigations	43.CCC	12,522
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6917472	SUBCONTRACT NO. 1335484	Soil Moisture Mission Science and Product Development	43.CCC	196,032
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6925925	SUBCONTRACT NO. 1458540	Statistical Risk Estimation for Communication Systems	43.CCC	6,397
			Total for CalTech - Jet Propulsion Lab		**1,138,378**
Harvard University					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6927184	130759-5041928	Exploring Cryogenian Biological and Environmental Change in Mongolia	43.001	109,936
			Total for Harvard University		**109,936**
Florida Institute of Technology					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6926774	201632	Utilizing SPHERES for Acquisition of Low-Gravity Slosh Data	43.CCC	103,484
			Total for Florida Institute of Technology		**103,484**
California Institute of Technology					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6926950	21B-1092906	Determining the biological function of hopanoids in Rhodopseudomonas palustris	43.001	43,734
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6927547	44A-1093689	Analysis of NuSTAR Observations of Sgr A* and the Galactic Center	43.001	37,281
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6922881	65P-1089493	High-Resolution Mars Polar Stratigraphy and Paleoclimate Proxies	43.000	73,905
			Total for California Institute of Technology		**154,919**
Southwest Research Institute					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6893453	299433Q/SUB UNDER NASW-02008	New Horizon Science Team Member 05310-SOW-02 Rev O Chg O	43.CCC	49,155
			Total for Southwest Research Institute		**49,155**
University of Michigan					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6924108	3001889485	GeoMACH: Geometry fo MDAO of Aircraft Configurations with High fidelity	43.002	49,579
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6929673	3002970419	Scalable Multidelity Design Optimization: Next Generation Aircraft and their Impact on the	43.002	38,225

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			Total for University of Michigan		**87,803**
University of Southern California					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6927488	34714188	Land Information System for SMAP Tier-1 and AirMOSS Earth Venture-1 Decadal Survey Missions	43.001	111,410
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6926431	38686495/PO 10178888	Airborne Microwave Observatory of Subcanopy and Subsurface (AirMOSS)	43.CCC	31,454
			Total for University of Southern California		**142,864**
Purdue University					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6929534	4103-60255	Regional and Global Climate and Societal Impacts of Land-Use and Land-Cover Change in Northern Eurasia: A Synthesis Study Using Remote Sensing Data and An Integrated Global System Model	43.001	7,348
			Total for Purdue University		**7,348**
Boston University					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6917890	4500000220	A Sounding Rocker Measurement of D/H Ratio in the Upper Atmosphere of Venus and Relation to the Historic Escape of Water	43.CCC	903
			Total for Boston University		**903**
Pennsylvania State University					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6928017	4855-MIT-NASA-I80G	Carbon Biosignatures of Early Ecosystems: Picomolar Scale Compound-Specific Isotope Analyses (Pico-CSIA)	43.001	33,063
			Total for Pennsylvania State University		**33,063**
Valador, Inc.					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6925860	AGMT DTD 3/28/12	NASA Innovative Mars Habitat Design Concepts	43.CCC	9,938
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6929205	MIT-CJ60D	NASA Innovative Mars Habitat Design Concepts	43.000	12,902
			Total for Valador, Inc.		**22,840**
ESPACE					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6926018	AGMT. DTD. 6/1/12	PETA Phase 2	43.CCC	78,397
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6928455	AGMT. DTD. 8/14/13	PETA Phase 3	43.CCC	33,681
			Total for ESPACE		**112,078**

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ExplorationWorks					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6920945	AGREEMENT DATED 10/9/09	Montana's Big Sky Space Education: The NASA Exploration Space at Exploration Works	43.CCC	3,879
			Total for ExplorationWorks		**3,879**
Smithsonian Inst. - Astrophysical Observatory					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6925474	AR2-13009B	A SERENDIPITOUS 695-KS HETG OBSERVATION OF THE CIRCINUS GALAXY: THE DEEPEST EVER STUDY OF A TYPE-2 AGN (Chandra 13700844)	43.000	3,610
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6926090	G02-13038X	Precise Localization of Transient Low-Mass X-ray Binaries (Chandra 13400186)	43.CCC	5,373
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6926210	G02-13131A	Variability and particle acceleration in the jet of Pictor A (Chandra 13700620)	43.CCC	7,222
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6928006	G03-14033X	Precise Localization of Transient Low-Mass X-ray Binaries (Chandra 14400273)	43.CCC	22,705
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6928578	G03-14099X	Monitoring the Tidal Disruption of a Gas Cloud Approaching Sgr A* (Chandra 14620924)	43.CCC	9,985
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6929290	G03-14120B	Probing The Causes of the High/Low Jet Power Dichotomy in AGN Jets with Chandra and HST (Chandra 14700792)	43.001	1,614
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6929382	G04-15032X	Precise Localization of Transient Low-Mass X-ray Binaries	43.001	10,447
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6924542	GO1-12017B	Understanding the weak winds: high-resolution Chandra spectroscopy of mu Col (Chandra 12200241)	43.000	-81
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6923398	GO1-12018X	Magnetic Activity in Very Young O-Stars (Chandra 12200324)	43.000	18,485
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6924746	GO1-12045X	Crustal cooling of the neutron star in EXO 0748-676 (Chandra 12400222)	43.000	-160
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6924820	GO1-12055B	Transient LMXBs in Globular Clusters: More Numerous than We Thought? (Chandra 12400491)	43.000	80
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6925397	GO1-12058B	A Long Multiwavelength Study of GRS 1915+105: Accretion/Ejection Physics of the Disk Wind and Radio Jet (Chandra 12400666)	43.000	615
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6924511	GO1-12062X	Spectral state dependence of the extended accretion flow components in LMXBs (Chandra 12400752)	43.000	102
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6923118	GO1-12063X	Validating Neutron Star Radius Measurements (Proposal No. 12400796)	43.000	5,668
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6924539	GO1-12119X	Probing the Flaring Activity and Submillimeter Structure of Sgr A* with Chandra and 1.3mm VLBI (Chandra 12620873)	43.000	31,679

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6923397	GO1-12165X	The Outer Limits of Clusters with Chandra and Suzaku (Proposal No. 12800572)	43.000	18,688
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6924541	GO1-12181B	Effects of Coronal Mass Ejection (CME) propagation on planetary aurorae: the Chandra view (Chandra 12100276)	43.000	10,586
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6924743	GO2-13006B	Cosmology and Cluster Evolution from the 80 Most Massive Clusters in 2000 deg 2 from the South Pole Telescope Survey (Chandra 13800883)	43.000	9,299
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6925681	GO2-13029X	Close binary populations in metal-rich globular clusters (Chandra 13300385)	43.000	20,603
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6925654	GO2-13034X	A Further Drop into Quiescence by the Neutron Star and Possible Hierarchical Triple 4U2129+47 (Chandra 13400103)	43.000	3,588
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6925685	GO2-13035X	INVESTIGATING NEW INTEGRAL SOURCES WITH CHANDRA (Chandra 13400150)	43.000	7,476
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6927223	GO2-13045B	Transient LMXBs in Globular Clusters: More Numerous than We Thought? (Chandra 13400312)	43.000	6,443
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6925507	GO2-13048X	An accurate X-ray position of the neutron-star low-mass X-ray binary GX 3+1 (Chandra 13400406)	43.000	10,221
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6924744	GO2-13052X	Quasi-persistent neutron-star X-ray binaries in quiescence (Chandra 13400639)	43.000	5,427
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6927465	GO2-13060X	The cooling neutron star in the super-Eddington accretor XTE J1701-462 (Chandra 13400822)	43.001	14,675
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6926392	GO2-13061X	The shortest orbital period black-hole X-ray binary in quiescence (Chandra 13400846)	43.000	23,465
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6926859	GO2-13101B	Hot Gaseous Halos Around Superthin Galaxies: Testing Galaxy Formation Models	43.000	4,934
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6925032	GO2-13105B	Colliding Galaxies Arp 256 and NGC 5754/52 (Chandra 13620198)	43.000	9,910
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6925445	GO2-13110A	Chandra HETG Ultra-deep Gratings Spectroscopy of Sgr A* (CHUGSS) (Chandra 13620807)	43.000	21,018
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6925446	GO2-13152X	To The Outer Limits of Clusters with Chandra and Suzaku (Chandra 13800569)	43.000	7,849
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6927408	GO2-13162A	Probing the Nature and Role of X-ray Emission in HII Regions with Chandra (Chandra 13900353)	43.000	5,041
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6927863	GO3-14003A	Wolf-Rayet Winds at High Spectral Resolution (Chandra 14200176)	43.000	11,997
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6927154	GO3-14031X	Crust cooling of accretion heated neutron stars (Chandra 14400215)	43.000	12,309
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6927864	GO3-14032B	Transient LMXBs in Globular Clusters (Chandra 14400238)	43.000	13,499

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Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6927553	GO3-14034B	Observations of a cooling neutron star crust in Terzan 5 (Chandra 14400307)	43.000	4,377
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6927479	GO3-14080X	Studying Particle Acceleration and Ejecta in Northwest Rim of the Supernova Remnant RCW 86 with Chandra (Chandra 14500895)	43.000	19,355
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6926869	GO3-14090B	ARP143: Collisional Ring Galaxy (Proposal No. 14620150)	43.000	6,568
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6927390	GO3-14092B	Galaxies in Collision: NGC 2207 & IC 2163 (Chandra 14620268)	43.000	952
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6927467	GO3-14132X	To the Outer Limits of Clusters with Chandra and Suzaku (Chandra 14800401)	43.001	1,776
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6921249	GO9-0018X	The true nature of HD 110432: the most extreme gamma Cas analog (Chandra 10200757)	43.000	1,188
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6925506	SV2-82011	Participation in the Stability Issues and Considerations for GGOS Core Sites Project	43.CCC	18,892
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6926645	SV2-82023	ACIS Science Support for the Chandra Program	43.CCC	395,574
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6895254	SV3-73016	Support of the Chandra X-Ray Center (CXC)	43.CCC	3,408,161
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6927059	SV3-83001	MIT Participation in Phase C/D activities to prepare the Faraday Cup (FCup) for the Deep Space Climate Observatory (DSCOVR)	43.CCC	41,539
			Total for Smithsonian Inst. - Astrophysical Observatory		**4,232,753**
University of Chicago					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6928511	FP052783	Exploring the Diversity of Exoplanet Atmospheres Using Ground-Based Transit Spectroscopy	43.001	32,732
			Total for University of Chicago		**32,732**
Baylor College of Medicine					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6920367	HFP02001	National Space Biomedical Research Institute	43.000	-3,148
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6896373	NASA COOPERATIVE AGMT. NCC9-58-3	National Space Biomedical Research Institute	43.000	0
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6926355	NBPF 02001	National Space Biomedical Research Institute	43.000	378
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6928521	SA03401	Countermeasures to Reduce Sensorimotor Impairment and Space Motion Sickness Resulting from Altered Gravity Levels	43.CCC	210,603
			Total for Baylor College of Medicine		**207,833**

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Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
Space Telescope Science Institute					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6925805	HST-GO-11622.03-A	A Search for Water and Methane on a Neptune-Mass Transiting Planet	43.000	8,595
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6923081	HST-GO-12181.08-A	The Almospheric Structure of Giant Hot Exoplanets	43.000	5,850
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6923688	HST-GO-12261-01-A	Resolving the Pictor A Jet	43.000	6
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6925695	HST-GO-12746.01-A	Close binary populations in metal-rich globular clusters (HST-GO-12746-A)	43.000	670
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6929424	HST-GO-13021.04-A	Revealing the Diversity of Super-Earth Atmopspheres	43.000	2,894
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6928416	HST-GO-13031.08-A	Testing Collisional Grinding in the Kuiper Belt	43.000	12,801
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6927925	HST-GO-13102.04-A	Zooming in on the Starburst at the Core of the Phoenix Cluster (HST-GO-13102)	43.000	10,420
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6928928	HST-GO-13303.01-A	The Structure of MgII Absorbing Galaxies at z=2-5: Linking CGM Physics and Stellar Morphology During Galaxy Assembly (HST-GO-13303)	43.000	4,714
			Total for Space Telescope Science Institute		**45,951**
Massachusetts Institute of Technology					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6923680	NNX11AB32G SUBAWARD NO. Z	Lunar Paleomagnetism	43.CCC	-6,697
			Total for Massachusetts Institute of Technology		**-6,697**
University of Colorado Boulder					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6924661	PO # 1000017191	Thermospheric Oxygen Mapper	43.002	120,211
			Total for University of Colorado Boulder		**120,211**
Lowell Observatory					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6666200	PO#78250/USRA 8500-98-003	SOFIA Instrument Development and Operation	43.CCC	109,292
			Total for Lowell Observatory		**109,292**
Boeing Research & Technology					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6927658	PURCHASE CONTRACT NO. 769209	Revolutionary Computational Aerosciences 2030 CFD Code Vision	43.CCC	20,521
			Total for Boeing Research & Technology		**20,521**

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University of Arizona					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6924918	PURCHASE ORDER 6473	OSIRIS-REx Near-Earth Asteroid Sample Return	43.CCC	31,782
			Total for University of Arizona		**31,782**
Draper Laboratory Incorporated					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6926830	SC001-0000000696	Variable Vector Countermeasure Suit (V2Suit) for Space Habitation and Exploration	43.009	66,626
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6925106	SC001-592	Research Opportunities in Space and Earth Sciences (ROSES): Climate Extremes and Landscape Hazards: An interdisciplinary Study of Change	43.001	247,989
			Total for Draper Laboratory Incorporated		**314,614**
LongWave Photonics LLC					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6924219	STTR AGMT UNDERNNX11CC66C	Phase II STTR: Terahertz Quantum Cascade Laser Based 3D Imaging	43.CCC	-5,514
			Total for LongWave Photonics LLC		**-5,514**
Washington University in St. Louis					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6925859	SUB WU-12-250 PO 2917814T	Path Planning and Retrieval of Terrain Properties Using Curiosity's Mobility System as a Terramechanics Virtual Instrument	43.CCC	23,909
			Total for Washington University in St. Louis		**23,909**
University of Alabama in Huntsville					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6927584	SUB2012-055	Informal representation and team decision-making in complex engineering systems	43.008	40,601
			Total for University of Alabama in Huntsville		**40,601**
Northeastern University					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6929056	SUBAWARD #505014	NRI-Small: Manipulating Flexible Materials Using Sparse Coding	43.001	67,532
			Total for Northeastern University		**67,532**
University of California - Irvine					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6928803	SUBAWARD NO. 2013-2981	Ice-Shelf Melting in Antarctica and impact on Glacier Dynamics	43.001	26,896
			Total for University of California - Irvine		**26,896**
Scientific Systems Company, Incorporated					

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6928348	SUBCONTRACT #1584-MIT	Integrated Motion Planning and Autonomous Control Technology	43.CCC	49,324
			Total for Scientific Systems Company, Incorporated		**49,324**
Carnegie Institution of Washington					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6920454	SUBCONTRACT NO. DTM-325-1018	Messenger Discovery Mission to Mercury	43.CCC	162,663
			Total for Carnegie Institution of Washington		**162,663**
University of California					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6921633	SUBCONTRACT NO. 2090-S-MA838	DAWN A Journey to the Beginning of teh Solar System - Phase E	43.CCC	81,589
			Total for University of California		**81,589**
National Institute of Aerospace					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6924548	T09-6200-MIT	Propulsion/Airframe Noise Scattering Prediction Development and Study	43.CCC	57,234
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6928532	T13-6500-MIT	Propulsion/Airframe Noise Scattering Prediction Development and Study	43.CCC	36,300
			Total for National Institute of Aerospace		**93,534**
University of Minnesota					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6917008	X5336545105	Radiation Belt Storm Probe EFW Project	43.CCC	74,207
			Total for University of Minnesota		**74,207**
University of Maryland					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	6924118	Z660401	EMFF-ISS Testbed Program	43.CCC	3,348
			Total for University of Maryland		**3,348**
			TOTAL for National Aeronautics and Space Administration		**7,775,829**

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NATIONAL SCIENCE FOUNDATION					
University of California - Berkeley					
NATIONAL SCIENCE FOUNDATION	6921266	00006900	Modeling Analysis and Control of Distributed Sensor Networks for Cyber Physical Systems	47.070	175,983
NATIONAL SCIENCE FOUNDATION	6921230	00006934	NSEC: Center for Scalable & Integrated Nano Manufacturing (SINAM)	47.041	42,455
NATIONAL SCIENCE FOUNDATION	6923302	00007444	Center for Energy Efficient Electronics Science (E3S)	47.041	1,101,042
NATIONAL SCIENCE FOUNDATION	6923638	00007481	A Study of Fidelity in Systems Level Design Modeling for Sustainable Energy Systems	47.041	136,289
NATIONAL SCIENCE FOUNDATION	6927464	00008052	R&D toward SuperCDMS at SNOLAB	47.041	151,184
NATIONAL SCIENCE FOUNDATION	6914148	SA5284-11210	SynBERC:Synthethic Biology Engineering Research Center	47.041	714,081
NATIONAL SCIENCE FOUNDATION	6929157	SUBAWARD 00008317/MCB-1330914	Synthetic biology of yeast	47.074	176,142
			Total for University of California - Berkeley		**2,497,176**
University of California-San Diego					
NATIONAL SCIENCE FOUNDATION	6922644	10307757	Ocean Observatories Initiative	47.050	52,399
NATIONAL SCIENCE FOUNDATION	2742980	PO# 10298908	National Science Festival	47.076	2,589
			Total for University of California-San Diego		**54,988**
University of Massachusetts - Amherst					
NATIONAL SCIENCE FOUNDATION	6924482	11-006642 E 00	Metrology and Process Modeling for Roll-to-Roll Patterned Polymer Manufacturing	47.041	184,698
			Total for University of Massachusetts - Amherst		**184,698**
SimBiotic Software					
NATIONAL SCIENCE FOUNDATION	6926892	1227245	DIP: Using Dynamic Models to Assess Higher-Order Thinking Skills in Biology	47.080	92,552
			Total for SimBiotic Software		**92,552**
University of Wisconsin					
NATIONAL SCIENCE FOUNDATION	6926610	123405535	Data Handling and Analysis Infrastructure for Advanced LIGO and Beyond	47.049	84,040
			Total for University of Wisconsin		**84,040**
Harvard University					
NATIONAL SCIENCE FOUNDATION	6929129	123826-5056263	Center for Integrated Quantum Materials	47.049	306,954

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Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
			Total for Harvard University		**306,954**
University of Southern California					
NATIONAL SCIENCE FOUNDATION	6920793	138822	ARRA - RI: Medium: Deciphering National Language (DECIPHER)	47.082	-4,195
			Total for University of Southern California		**-4,195**
Arizona State University					
NATIONAL SCIENCE FOUNDATION	6929039	14-374	FESD Type 1: The Dynamics of Earth System Oxygenation	47.050	21,801
NATIONAL SCIENCE FOUNDATION	6925372	SUBAWARD NO. 12-725	ERC for Quantum Energy and Sustainable Solar Technologies: QUESST	47.041	380,780
NATIONAL SCIENCE FOUNDATION	6926052	SUBAWARD NO. 12-920	EDGES-2: Detecting First Light and Reionization Through the Global 21cm Signature	47.041	33,940
			Total for Arizona State University		**436,521**
California Institute of Technology					
NATIONAL SCIENCE FOUNDATION	6924765	19-1091542	EFRI: MIKS: Notch Signaling in Colon Cancer Stem Cells	47.074	158,811
NATIONAL SCIENCE FOUNDATION	6929097	68D-1094591	Powering the Planet: A Chemical Bonding Center in the Direct Conversion of Sunlight into Chemical Fuel	47.049	166,097
NATIONAL SCIENCE FOUNDATION	6918865	SUBAWARD #68D-1086050	Powering the Planet: A Chemical Bonding Center in the Direct Conversion of Sunlight into Chemical Fuel	47.049	125,071
NATIONAL SCIENCE FOUNDATION	6929470	SUBAWARD NO. 75-1086390	LIGO Operations	47.049	3,406,507
NATIONAL SCIENCE FOUNDATION	6922569	SUBAWARD NO. 75ADV-1085563	Advanced LIGO	47.049	883,078
			Total for California Institute of Technology		**4,739,565**
University of Illinois-Urbana Champaign					
NATIONAL SCIENCE FOUNDATION	2742015	2008-04111-01	NSF-GEM4 Summer School on Cellular and Molecular Mechanics	47.041	0
NATIONAL SCIENCE FOUNDATION	6925648	2010-04478-01	Optimizing the Nonlinear Optical Response from Nanoantenna Arrays for Frequency Up-Conversion for Solar Cells	47.041	5,105
			Total for University of Illinois-Urbana Champaign		**5,105**
Massachusetts General Hospital					
NATIONAL SCIENCE FOUNDATION	6928875	223092	Imaging the elastic properties of cells in 3D environment	47.041	44,530
NATIONAL SCIENCE FOUNDATION	2388637	BILLING AGREEMENT - 217685	Enabling medical Device Interoperability for the Integrated Clinical Environment	47.070	13,200

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Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
			Total for Massachusetts General Hospital		**57,730**
Drexel University					
NATIONAL SCIENCE FOUNDATION	6924175	235660	ARRA - MRI-R2: Development of a Common Platform for Unifying Humanoids Research	47.082	-14,280
			Total for Drexel University		**-14,280**
Brooklyn College of the City University of New York					
NATIONAL SCIENCE FOUNDATION	6926992	40C68A	Learning Mathematics of the City in the City	47.076	84,703
			Total for Brooklyn College of the City University of New York		**84,703**
Purdue University					
NATIONAL SCIENCE FOUNDATION	6928397	4101-51804	Network for Computational Nanotechnology (NCN)	47.041	241,945
NATIONAL SCIENCE FOUNDATION	6924355	AGMT. NO. 4101-43959	A Scalable Nanomanufacturing Machine for Parallel Nanolithography and Parallel Fabrication of Nanscale Devices	47.041	91,185
NATIONAL SCIENCE FOUNDATION	6922875	SUBAWARD #4101-38045	Emerging Frontiers of Science of Information	47.070	643,910
NATIONAL SCIENCE FOUNDATION	6924611	SUBAWARD #4101-44669	Terahertz Field Control for Signal Processing and Communication	47.041	39,219
			Total for Purdue University		**1,016,259**
Pennsylvania State University					
NATIONAL SCIENCE FOUNDATION	6924565	4482-MIT-NSF-0437	Ionic Electroactive Polymer Actuators with Tailored NanoStructure Morphology	47.041	114,572
NATIONAL SCIENCE FOUNDATION	6925694	4625-MIT-NSF-8264	Creating Opportunities for Adapation Based of Population in Urban Landscape for Sustainable Built Environments (PULSE)	47.041	12,089
NATIONAL SCIENCE FOUNDATION	6927137	4751-MIT-NSF-0507	What are Sustainable Climate-Risk Management Strategies?	47.05	20,563
			Total for Pennsylvania State University		**147,223**
Boston University					
NATIONAL SCIENCE FOUNDATION	6922469	4500000225	EFRI-SEED Framework for advanced sustainable building design. Smart Micro-grid enabld buildings interacting with utility-side-of-the-meter electricity markets.	47.041	139,912
NATIONAL SCIENCE FOUNDATION	6925771	4500000227	Cognitive Rhythms Collaborative: A Discovery Network	47.049	82
NATIONAL SCIENCE FOUNDATION	6927635	4500001216	Cognitive Rhythms Collaborative: A Discovery Network	47.049	205,798
NATIONAL SCIENCE FOUNDATION	6921761	LTR. AWARD GC-208001NGA 4500000224	SLC Center: CELEST: A Center for Learning in Education Science + Technology	47.075	141,303

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			Total for Boston University		**487,095**
Northeastern University					
NATIONAL SCIENCE FOUNDATION	6928496	502076-78050A	EFRI-ODISSEI: Origami and Assembly Techniques for Human-Tissue-Engineering (OATH)	47.041	68,804
NATIONAL SCIENCE FOUNDATION	6928471	502076-78050B	EFRI-ODISSEI: Origami and Assembly Techniques for Human-Tissue-Engineering (OATH)	47. 041	86,716
NATIONAL SCIENCE FOUNDATION	6924880	SUB#501936, PO#P1406752	Instantaneous Passive and Active Detection, Localization and Monitoring of Marine Mammals over Long Ranges with High-Resolution Towed Array Measurmts	47.050	54,823
			Total for Northeastern University		**210,343**
University of Pennsylvania					
NATIONAL SCIENCE FOUNDATION	6928993	557757	Center of Excellence for Materials Research and Innovation (CEMRI)	47.049	41,926
			Total for University of Pennsylvania		**41,926**
University of Washington					
NATIONAL SCIENCE FOUNDATION	6925090	724454	NSF Engineering Research Center for Sensorimotor Neural Laboratory of Electronics	47.041	645,615
NATIONAL SCIENCE FOUNDATION	6928749	SUBAWARD NO. 754586	Reliable Quantum Communication and Computation in the Presence of Noise	47.070	142,403
NATIONAL SCIENCE FOUNDATION	6926728	SUBCONTRACT NO. 744910	Center for Enabling New Technologies through Catalysis (CENTC) Phase II Renewal	47.049	126,383
			Total for University of Washington		**914,401**
Woods Hole Oceanographic Institution					
NATIONAL SCIENCE FOUNDATION	6925215	A100899	Collaborative Research: Microbial Influence On Alexandrium Propulations	47.050	1,557
NATIONAL SCIENCE FOUNDATION	6927910	A101026	Workshop on Ice Sheet/Ocean/Atmosphere Interactions in Greenland	47.078	3,829
			Total for Woods Hole Oceanographic Institution		**5,386**
Cambrian Innovation					
NATIONAL SCIENCE FOUNDATION	6926855	AGMT DATED 11/24/2012	A low-cost real-time bio-electrochemical nitrate sensor for surface water monitoring	47.041	-2,248
			Total for Cambrian Innovation		**-2,248**
Chromation Partners					

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NATIONAL SCIENCE FOUNDATION	6928007	AGMT. DTD. 7/9/13	Ultra-Compact Photonic Crystal Based Spectrometer	47.041	82,109
			Total for Chromation Partners		**82,109**
NEROC					
NATIONAL SCIENCE FOUNDATION	6918926	AST-0821321	MRI: Acquisition of an Archive for the Murchison Widefield Array	47.049	349,423
NATIONAL SCIENCE FOUNDATION	6928052	AST-0905844	ATI: High Sensitivity VLBI Arrays: Towards Imaging an Event Horizon	47.049	115,944
NATIONAL SCIENCE FOUNDATION	6924648	AST-1126433	MRI: Development of an ALMA Beamformer for Ultra High Resolution VLBI and High Frequency Phased Array Science	47.049	947,168
NATIONAL SCIENCE FOUNDATION	6926369	AST-1207704	Collaborative Research: Building an Event Horizon Telescope: (Sub)millimeter VLBI from the South Pole Telescope	47.049	3,227
NATIONAL SCIENCE FOUNDATION	6926388	AST-1211539	Spatially Resolving the Black Hole Event Horizon: (sub) mm VLBI of SgrA* and M87	47.049	128,647
NATIONAL SCIENCE FOUNDATION	6928633	AST-1310896	Building the Event Horizon Telescope: Observing Black Holes with Schwarzschild Radius Resolution	47.049	276,944
			Total for NEROC		**1,821,353**
Computing Research Association					
NATIONAL SCIENCE FOUNDATION	2388608	CIF-E-017 0937060	Computing Innovation Fellows Project - PDF for E. Solovey	47.070	14,502
			Total for Computing Research Association		**14,502**
University of Chicago					
NATIONAL SCIENCE FOUNDATION	6928942	FP055660	Scaling directed self-assembly of block copolymers for sub 10-nm manufacturing	47.049	17,301
			Total for University of Chicago		**17,301**
Montana State University					
NATIONAL SCIENCE FOUNDATION	6929216	G111-14-W4576	Engineering Synthetic Symbiosis between Plant and Bacteria to Deliver Nitrogen to Crops	47.074	55,882
			Total for Montana State University		**55,882**
University of Minnesota					
NATIONAL SCIENCE FOUNDATION	6926981	H002341903	Data Net Full Proposal: Terra Populus: A Global Population/Environment Data Network (Subcontract to MIT)	47.080	8,739
			Total for University of Minnesota		**8,739**

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Missouri Botanical Garden					
NATIONAL SCIENCE FOUNDATION	6927023	NSF05702MIT	A Full Scale Development Proposal Informal Community Science Investigators (iCSI): Next Generation Engagement for Informal Science Instruction	47.076	236,160
			Total for Missouri Botanical Garden		**236,160**
National Radio Astronomy Observatory					
NATIONAL SCIENCE FOUNDATION	6927676	PO #342941	ALMA Phasing Projection Augmentation	47.049	81,826
			Total for National Radio Astronomy Observatory		**81,826**
University of North Texas					
NATIONAL SCIENCE FOUNDATION	6927582	PO NT752-0000139990 SUBAWARD NO. GF1646-1	MRI: CloudCar - Development of a Diverse Distributed Instrument for Vehicles in the Cloud	47.070	1,404
			Total for University of North Texas		**1,404**
The Ohio State University Foundation					
NATIONAL SCIENCE FOUNDATION	6921207	PO RF01227732 / RF01192687 PROJECT NO. 60023094	Automated, Flexible and Massively Parallel Nanomanufacturing Platform via Modular and Large Array Equipment Architectures	47.041	10,304
			Total for The Ohio State University Foundation		**10,304**
UNAVCO					
NATIONAL SCIENCE FOUNDATION	6927739	S13-EAR1255679-S1	UNAVCO Community and Facility Bridge Proposal: Geodesy Revealing the Earth in Action	47.CCC	37,084
NATIONAL SCIENCE FOUNDATION	6929222	S13-EAR1261833-S4	GAGE Facility GPS Data Analysis and GAMIT/GLOBK Software Support	47.05	117,007
NATIONAL SCIENCE FOUNDATION	6918636	SUB. UNDER EAR-0732947-03	PBO Analysis Center Coordinator: Collaborative Research: EarthScope Facility Operation and Maintenance	47.082	21,432
NATIONAL SCIENCE FOUNDATION	6927138	SUBCONTRACT NO. 015803-S1	UNAVCO GPS Analysis Center Coordinator: COCOnet	47.050	17,255
			Total for UNAVCO		**192,778**
Emory University					
NATIONAL SCIENCE FOUNDATION	6926702	S880659/CHE-1205646	CCI Center in Selective C-H Functionalization	47.049	17,860
NATIONAL SCIENCE FOUNDATION	6928930	T082669 /CHE-1205646	CCI Center in Selective C-H Functionalization	47.049	142,792
			Total for Emory University		**160,652**
Consortium of Ocean Leadership, Inc.					

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Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
NATIONAL SCIENCE FOUNDATION	2745091	SA12-01 UNDER PRIME NSFOCE-0742120	National Ocean Science Bowl Online Game	47.050	-22
NATIONAL SCIENCE FOUNDATION	6929775	T346A30	Consortium for Ocean Leadership Task Order 346A30	47.050	20,816
			Total for Consortium of Ocean Leadership, Inc.		**20,795**
LongWave Photonics LLC					
NATIONAL SCIENCE FOUNDATION	6928534	SBIR AGMT UNDER IIP-1330955	SBIR Phase II: Tunable Terahertz Quantum Cascade Lasers for Spectroscopy	47.041	122,444
			Total for LongWave Photonics LLC		**122,444**
Auburn University					
NATIONAL SCIENCE FOUNDATION	6924843	SUBAGREEMENT 11-PHYS-200373-MIT	Design of a Superconducting Magnet System for a High-Field Magnetized Dusty Plasma Experiment	47.041	18,652
			Total for Auburn University		**18,652**
University of California					
NATIONAL SCIENCE FOUNDATION	2746120	SUBAGREEMENT NO. 13-MESA-0631188-86-486	Ernesto Jimenez Scholarship	47.076	3,688
			Total for University of California		**3,688**
University of Michigan					
NATIONAL SCIENCE FOUNDATION	6929136	SUBAWARD 3002943298	EFRI-ODISSEI: Multi Scale Origami For Novel Photonics and Energy Conversion	47.041	14,721
NATIONAL SCIENCE FOUNDATION	6921877	SUBCONTRACT # 3001478930	Subaward UMich: CPS: Small: Control of Distributed Cyber-Physical Systems under Partial Information and Limited Communication	47.070	17,728
			Total for University of Michigan		**32,449**
Johns Hopkins University					
NATIONAL SCIENCE FOUNDATION	6924816	SUBAWARD AGMT. NO.2001325344	EFRI-M3C: Robust Decoder-Compensator Architecture for Interactive Control of High-Speed and Loaded Movements	47.041	82,517
NATIONAL SCIENCE FOUNDATION	2388736	SUBAWARD UNDER NSF PRIME - 2001948446	LHC Theory Initiative Fellowship - Bertolini	47.049	31,078
			Total for Johns Hopkins University		**113,596**
Princeton University					
NATIONAL SCIENCE FOUNDATION	6925294	SUBAWARD NO. 00002019	U.S. CMS Operations at the LHC	47.049	565,783
			Total for Princeton University		**565,783**

Appendix A3
Massachusetts Institute of Technology
Federal Research Support - Passthrough - On Campus
FY 2014 Expenditures by Prime Sponsor and Sponsor

Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
National Bureau of Economic Research, Inc.					
NATIONAL SCIENCE FOUNDATION	6925482	'SUBAWARD NO. 223557000796617000	Property Tax Experiment: Testing the Role of Wages, Incentives and Audit on Tax Inspectors' Behavior	47.075	36,449
			Total for National Bureau of Economic Research, Inc.		**36,449**
University of Louisville Research Foundation					
NATIONAL SCIENCE FOUNDATION	6920973	SUBAWARD NO. ULRF 09-0532-01	Enhancement of Excition Dissociation in Organic Solar Cells	47.000	-82
			Total for University of Louisville Research Foundation		**-82**
North Carolina Agriculture & Technology State University					
NATIONAL SCIENCE FOUNDATION	6927522	SUBAWARD NO.260211A	EAGER: Application of a Bottom-up Approach to Study Bio-adhesives' Molecular Conformation	47.041	31,380
			Total for North Carolina Agriculture & Technology State University		**31,380**
Univ. Corporation For Atmos. Research					
NATIONAL SCIENCE FOUNDATION	6925131	SUBAWARD Z12-54911	FAVAR, Integration, Release, Testing and Updated	47.050	-1,250
			Total for Univ. Corporation For Atmos. Research		**-1,250**
Michigan Technological University					
NATIONAL SCIENCE FOUNDATION	6928536	SUBAWD# 1211086Z1, PO# P0092165	CNH: Managing Impacts of Global Transport of Atmosphere-Surface Exchangeable Pollutants in the Context of Global Change	47.050	18,783
			Total for Michigan Technological University		**18,783**
Sri International					
NATIONAL SCIENCE FOUNDATION	6926048	SUBCONTRACT NO. 119-000223	AMISR Operations and Management: Looking forward to a more active Sun	47.050	21,138
			Total for Sri International		**21,138**
Civilian Research and Development Foundation					
NATIONAL SCIENCE FOUNDATION	6927179	UKP2-7074-KK-12	Low-dimensional and bulk nanocomposite materials for thermoelectric energy conversion	47.079	10,532
			Total for Civilian Research and Development Foundation		**10,532**
University of Texas - Austin					
NATIONAL SCIENCE FOUNDATION	6918867	UTA08.950	The Interface of Infrast, Markets, & Natural Cycles-Innovative Modeling & Control Mechanisms for Managing Electricity, Water & Air Quality Air in TX	47.041	51,386

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FY 2014 Expenditures by Prime Sponsor and Sponsor

Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
			Total for University of Texas - Austin		**51,386**
Wayne State University					
NATIONAL SCIENCE FOUNDATION	6924618	WSU11095	MRI: Development of a Chirped-Pulse, Fourier-Transform micro/mm-wave Pulsed Uniform Supersonic Flow Spectrometer	47.081	57,900
			Total for Wayne State University		**57,900**
University of Hawaii					
NATIONAL SCIENCE FOUNDATION	2745706	Z792093-11 UNDER PRIME AWARD DBI-424599	Center for Microbial Oceanography: Research and Education (C-MORE)	47.074	607,205
			Total for University of Hawaii		**607,205**
			TOTAL for National Science Foundation		**15,739,798**
			TOTAL Federal Research Support - Passthrough - On Campus		**$88,222,510**

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Massachusetts Institute of Technology
Federal Non-Research Support - On Campus
FY 2014 Expenditures

Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
DEPARTMENT OF DEFENSE				
Army				
Army	W81XWH-10-1-0733	Systems Level Analysis of EGFR - PDF M. Lee	12.420	65,341
Army	W81XWH-11-1-0088	Molecular Regulatory Network Dysregulation - GF for A. Meyer	12.420	825
Army	W81XWH-13-1-0031	Investigating the mechanism of MenaINV-driven metastasis (BC120078) - PDF for M. Oudin	12.420	88,277
Army	W81XWH-13-1-0215	Development of magnetic nanovectors for treatment and imaging of breast cancer metastasis to the brain-BC122973 - PDF for O. Veiseh	12.420	53,044
Army	W81XWH-13-1-0323	Developing Novel Therapeutic Approaches in small cell lung cancinoma using genetically engineered mouse models and human circulating tumor cells.	12.42	47,083
Army	W911NF-10-1-0497	Workshop on Property Amplification in Biomaterials: Beyond the Rule of Mixtures	12.431	28,010
		Total for Army		**282,580**
Navy				
Navy	N00014-09-1-0597	ECIR - Explorations in Cyber International Relations	12.300	10,568
Navy	N00014-13-1-0324	Workshop on Micro and Nano Structures for Phase Change Heat Transfer	12.300	1,188
		Total for Navy		**11,756**
		TOTAL for Department of Defense		**294,335**

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FY 2014 Expenditures

Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
DEPARTMENT OF ENERGY				
DOE	DE-AR0000363	Workshop on Micro and Nano Structures for Phase Change Heat Transfer	81.135	198
DOE	DE-EE0005596	MIT Clean Energy Prize	81.117	200,000
DOE	DE-NE0000102	MIT Nuclear Energy University Fellowship Program	81.121	239,750
DOE	DE-SC0009297	DiaMonD: An Integrated Multifaceted Approach to Mathematics at the Interfaces of Data, Models, and Decisions	81.049	9,657
DOE	DE-SC0010493	Edge Coordinating Committee Technical Meetings in FY14	81.094	53
		Total for Department of Energy		**449,658**
		TOTAL for Department of Energy		**449,658**

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FY 2014 Expenditures

Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
DEPARTMENT OF HEALTH & HUMAN SERVICES				
NIH				
NIH	1-F31-AI104170-03	Investigating the role of inflammasome activation in the control of T. gondii - GF for K. Cirelli	93.855	44,279
NIH	1-F31-CA180271-02	Characterization of MWS/DEN, a novel regulator of amino acid signaling to mTORC1	93.398	38,560
NIH	1-F31-MH098503-01	Identification and Manipulation of Active Memory Circuits - GF- K. Ramamoorthi	93.282	-475
NIH	1-F32-AI109857-02	Molecular determinants of N-linked glycosylation in Campylobacter jejuni	93.855	19,463
NIH	1-F32-DC013703-01A1	Auditory processing of reverberation: perceptual and computational investigations	93.173	9,010
NIH	1-F32-DK101335-02	Array development of anti-inflammatory peptoid-graft polymers for islet delivery	93.847	39,591
NIH	1-F32-EB015835-01	A platform for image-guided, magneto-acoustic gene therapy of pancreatic cancer - PDF for B. Chertok	93.286	10,946
NIH	1-F32-EB018132-01	Engineering spatially distinct drug delivery systems for islet therapy	93.286	15,688
NIH	1-F32-EY024483-01	Anatomical constraints on cognition and how they develop	93.867	4,994
NIH	1-F32-GM105104-01	Developing a spectroscopic toolkit for probing protein structure and folding - PDF - C. Baiz	93.859	-1,355
NIH	1-F32-GM106550-02	A Conjugated Polymer Fluorogenic Probe for Inorganic Polyphosphate - PDF for J. Kalow	93.859	43,419
NIH	1-F32-GM108092-01A1	Redox Controlled Reductive Elimination from Palladium II Complexes	93.859	12,999
NIH	1-F32-HD079143-02	Stress effects on childhood brain development	93.865	21,960
NIH	5-F31-AG044061-03	A novel developmental pathway for genes involved in Alzheimer's Disease - GF for K. Villa	93.866	41,556
NIH	5-F31-AG044064-02	Understanding the mechanisms that govern Bst-1 induction upon caloric restriction	93.866	42,491
NIH	5-F31-CA165735-02	Signaling Networks in Glioblastoma Drug Resistance - GF J. McFaline	93.398	39,244
NIH	5-F31-CA167872-03	Characterization of novel regulators of amino acid-sensitive mTORC1 signaling - GF for L. Schweitzer	93.398	42,125
NIH	5-F31-MH098508-02	Closed-Loop Control of Hippocampal Output During a Working Memory Task - GF J. Siegel	93.282	40,120
NIH	5-F31-MH099782-02	Characterizing in-task corticostriatal circuit operation during habit learning	93.242	42,101
NIH	5-F32-AI112359-02	Longitudinal analysis of antibody responses to HIV-1:mapping function to genotype	93.855	19,784
NIH	5-F32-AR062931-03	Data-Driven Modeling of Signaling Dysregulation in Rheumatoid Arthritis - PDF D. Jones	93.846	53,303

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NIH	5F32CA157197-03	Array of Resistive Sensors for Detecting Lung Cancer in Exhaled Air - PDF for K. Mirica	93.398	49,465
NIH	5-F32-CA165657-02	Bacterial Minicells for Cancer Therapeutics	93.398	23,262
NIH	5-F32-CA165700-03	Role of Phospho-Tyrosine Binding in Mena-Driven Metastasis - PDF for R. McConnell	93.398	50,877
NIH	5-F32-CA168057-03	New Approaches to the Selective Targeting of Cancer-associated Fibroblasts - PDF J. Van Deventer	93.398	49,623
NIH	5-F32-CA177094-02	Peptide-mediated delivery of siRNA for treatment of ovarian cancer	93.398	24,404
NIH	5-F32-CA180586-02	Modulating AhR in tumor and lymphoid microenvironments via local drug delivery	93.398	53,424
NIH	5-F32-CA183400-2	Two-Photon Fluorescence Lifetime Microscopy for Breast Cancer Margin Assessment	93.398	19,200
NIH	5-F32-DK095529-03	Exosomes: Genetic delivery vehicles to enhance engineered hepatic tissue - PDF - K. Christine	93.847	51,413
NIH	5-F32-DK095726-03	Regulation of Heme Synthesis and Mitochondrial Physiology by the ClpX Unfoldase - PDF - J. Kardon	93.847	57,028
NIH	5-F32-DK097858-02	Nanolayer Assemblies for Temporal Cytokine Therapy in Diabetic Ulcer Healing - PDF for Almquist	93.847	52,109
NIH	5-F32-EB012937-02	Polymer-Supported Nitroxide Radicals for Dynamic Nuclear Polarization- PDF - M.Kiesewetter	93.286	-498
NIH	5-F32-EB014682-02	Fluorous-Templated J-Aggregates as Smart NIR Imaging Agents	93.286	48,697
NIH	5-F32-EB017614-02	LbL Nanotechnologies for Synergistic Therapy of Advanced Ovarian Carcinoma	93.286	40,968
NIH	5-F32-EB017625-02 REVISED	Lipidoid Nanoparticles with Simultaneous Multi-Gene Regulation for Cancer Therapy	93.286	46,905
NIH	5-F32-EY019622-03	Perception of Tactile Graphics - PDF - A. Kalia	93.867	31,398
NIH	5-F32-EY020692-03	Interactions Between LIP - PDF for G. Mulliken	93.867	10,889
NIH	5-F32-EY022264-03	Role of glial glutamate transporters in V1 plasticity and development - PDF for J. Petravicz	93.867	52,267
NIH	5-F32-EY022845-02	Understanding the Neural Basis of Visual Face Processing	93.867	55,374
NIH	5-F32-EY023523-02	Modulation of cortical processing by engagement with the sensory environment	93.867	49,871
NIH	5-F32-GM093532-02	Palladium-Catalyzed Enantioselective Amination - PDF. A. Parsons	93.859	-1,103
NIH	5-F32-GM095060-02	The role of nonsense-mediated mRNA decay in embryonic stem cell gene expression - PDF for J. Hurt	93.859	267
NIH	5-F32-GM097776-02	Enantioselective Total Synthesis of Communesin F - PDF for S. Lathrop	93.859	31,201
NIH	5-F32-GM099187-03	The Direct Oxidative Trifluoromethylation of Simple Heteroaromatic Systems - PDF - Nathan Jui	93.859	51,554

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Federal Non-Research Support - On Campus
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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NIH	5-F32-GM099202-02	Development of an Asymmetric Amination Process of Unactivated Olefins - PDF- J. Debergh	93.859	3,983
NIH	5-F32-GM101762-02	Metal Catalyzed CN and CS Bond Forming Reactions for Bioconjugation Targets - PDF for M. Spokoyny	93.859	37,768
NIH	5F32GM101860-03	Quantitative RNA affinity landscapes: implications for development and disease - PDF for N. Lambert	93.859	55,132
NIH	5-F32-GM101872-02	Elucidating Nuclear Argonaute Function - PDF for T. Kelly	93.859	38,648
NIH	5-F32-GM102992-02	A systems approach for profiling kinase activities in the DNA damage response - PDF for L. Peterson	93.859	48,206
NIH	5-F32-GM108181-02	A Cascade Reaction to Synthesize Ladder Polyethers with 1,3 Diaxial Methyl Groups	93.859	20,797
NIH	5-F32-GM108294-02	Development of New Metal_Catalyzed Hydroacylation and Hydroarylation Processes - PDF D. Cohen	93.859	40,410
NIH	5-F32-GM109562-02	Genome-wide identification of mRNA localization motifs and factors	93.859	24,080
NIH	5-F32-GM64921-03	Postdoctoral Fellowship: C. Wang	93.859	-17,415
NIH	5-F32-HD072748-03	Computational models of the acquisition of verb meaning - PDF - J. Hartshorne	93.865	49,553
NIH	5-F32-HD075427-03	Behavioral, fMRI, and Anatomical MRI Investigations of Attention in Autism - PDF for J. Fischer	93.865	52,084
NIH	5-F32-HD079169-02	How connectivity determines function in the mature and developing human brain	93.865	26,047
NIH	5-F32-HL104913-03	Dissecting the role of H2AZ in regulating early cardiac development - PDF for J. Wamstad	93.837	9,163
NIH	5-F32-HL110484-03	Alternative splicing in the vascular response to pathological shear stress - PDF P. Murphy	93.837	56,950
NIH	5-F32-MH095354-03	Development of Procedural Memory Systems in Children with and without ADHD- PDF A. Finn	93.282	55,196
		Total for NIH		**1,929,002**
		TOTAL for Department of Health & Human Services		**1,929,002**

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
MISCELLANEOUS FEDERAL GOVT				
Department of Agriculture				
USDA	2013-67012-21022	Engineering Chain-length Specificity in an Aldehyde/Alcohol Dehydrogenase - PDF for Chris Reisch	10.310	55,458
		Total for Department of Agriculture		**55,458**
Department of Commerce				
DOC	70NANB14H080	2014 Surf Summer Program - Bobbio - Gaithersburg	11.609	5,500
DOC	NA110AR4170184	Integrating Electronic Tag Information - GF- B. Galuardi	11.417	32,143
DOC	NA13OAR4170022	Sathiska Pather_ MIT Sea Grant _Knauss Fellowship 2013	11.417	36,230
		Total for Department of Commerce		**73,873**
Department of Education				
ED	P116J100018	Policy Analysis for Complex Transport Systems	84.116J	2,434
		Total for Department of Education		**2,434**
Department of Housing and Urban Development				
HUD	RBD-MIT-13	Rebuild by Design	14.225	178,462
		Total for Department of Housing and Urban Development		**178,462**
Department of Transportation				
DOT	DTFH64-12-G-00018	Eisenhower Graduate Fellowship: R. Westrom	20.215	1
DOT	DTFH64-13-G-00017	Eisenhower Graduate Fellowship: F. Chingcuanco	20.215	11,500
DOT	DTFH64-13-G-00035	Eisenhower Graduate Fellowship: L.Chong	20.215	5,000
DOT	DTFH64-13-G-00055	Eisenhower Graduate Fellowship: K. Selvam	20.215	5,065
DOT	DTFH64-13-G-00069	Eisenhower Graduate Fellowship: A. Lai	20.215	5,000
		Total for Department of Transportation		**26,566**
Other Agencies				
Misc.	13-3400-7101	Interactive Database of Documentary Innovation	45.024	66,105
Misc.	13-4400-7090	Community Outreach Enrichment	45.024	30,859
Misc.	2009-WA-AX-0021	MIT Violence Education, Prevention and Response Project	16.525	11,535
Misc.	AID-OAA-A-12-00095	CITE and IDIN	98.001	2,050,374
Misc.	FP-91713401-0	Graduate Fellow: David Griffith	66.514	459
Misc.	FP-91743301-0	Graduate Fellow: J. Bryant	66.514	8,667
Misc.	GI-50353-11	Guastavino Vaulting: Palaces for the People	45.164	-28,903

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
Misc.	MA-04-10-0304-10	MFA - Engaging Communities	45.301	-4,327
Misc.	NRC-HQ-13-G-38-0043	U.S. Nuclear Regulatory Commmission Nuclear Education Faculty Development Program at MIT	77.008	76,452
Misc.	NRC-HQ-13-G-38-0045	U.S. NRC Nuclear Education Graduate Fellowship Program	77.008	103,024
Misc.	PE-50100-13	Digital Preservation Management: Effective Short-Term Strategies for Long-Term Problems	45.149	46,388
Misc.	S-LMAQM-14-GR-1022	Official U.S. Presentation at the 56th International Art Exhibition, Venice, Italy June through November 2015	19.145	15,000
		Total for Other Agencies		**2,375,633**
		TOTAL for Miscellaneous Federal Govt		**2,712,426**

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION				
NASA	NNA08CN84A	Requirements for the Development and Maintenance of Multicellualr Life	43.000	17,380
NASA	NNA13AA90A	Foundations of Complex Life: Evolution, Preservation & Detection on Earth & Beyond	43.001	38,850
NASA	NNG12FD70C	Regolith X-ray Imaging Spectrometer (REXIS) - Phase B	43.CCC	194,608
NASA	NNH11CC26C	Zero Robotics	43.CCC	-1,200
NASA	NNH13CJ23C	InSPIRE 2	43.CCC	137,779
NASA	NNX10AJ90A	CAN/National Needs Grant: Summer of Innovation Pilot	43.000	195,701
NASA	NNX10AN15H	NESSF - Integration, Testing, and Flight - GF for J. Rutherford	43.000	4,000
NASA	NNX10AT92H	Massachusetts Space Grant Consortium	43.CCC	588,075
NASA	NNX11AM62H	Development and Testing of Compression Technologies Using Advanced Materials for Mechanical Counter-Pressure Planetary Exploration Suits - GF for B. Holschuh	43.009	67,177
NASA	NNX11AM63H	A Compact, High-Precision Optical Payload enabling Earth-Sized Exoplanet Detection using Nanosatellites - GF for M. Smith	43.009	58,199
NASA	NNX11AN09H	Development of multi-modal, high-density electrospray porous metal thrusters - GF for C. Coffman	43.009	54,586
NASA	NNX11AN33H	Small Satellite Attitude Determination and Control - GF for C. Pong	43.009	64,532
NASA	NNX11AN34H	Nano-Engineered Hierarchical Advanced Composite Materials for Space Applications - GF for S. Wicks	43.009	60,011
NASA	NNX11AN79H	3D Constitutive Relations for an Aligned Carbon Nanotube Polymer Nanocomposite as a Function of Morphology - GF for D. Handlin	43.009	-166
NASA	NNX11AP47H	Photochemistry of Super Earth - GF for R. Hu	43.001	1,711
NASA	NNX12AM28H	Electrostatic and Electrochemical Optimization of Electrospray Thrusters - GF for L. Perna	43.008	55,106
NASA	NNX12AM29H	The Gravity Loading Countermeasure Skinsuit - GF for D. Kendrick	43.008	62,531
NASA	NNX12AM30H	CubeSat Deformable Mirror Demonstration - GF for A. Marinan	43.008	57,539
NASA	NNX12AN38H	Algorithms for P-band SAR Root-zone soil moisture Retrieval - GF for A. Konings	43.001	29,505
NASA	NNX12AN39H	Delineating the role of Arctic forcing in extratropical extreme weather - GF for D. Whittleston	43.001	29,937
NASA	NNX13AE13H	On-Chip quantum repeater in diamond for space-based quantum communication - GF for E. Chen	43.009	55,497
NASA	NNX13AE14H	Diamond Electron-Spin Clocks For Space Navigation and Communication - GF for H. Clevenson	43.009	58,071
NASA	NNX13AL57H	Modeling the Feedback from Design to Requirements in SysML - GF M. Chodas	43.008	45,442

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Federal Agency	Government Contract Number	Master Project Name	CFDA #	FY Expenses
NASA	NNX13AL76H	In Situ Resource Utilization in Support of Manned Space Exploration - GF Sam Schreiner	43.008	51,620
NASA	NNX13AM68H	Augmentation of Sensorimotor Adaptability Using Stochastic Resonance Technologies - GF R. Galvan	43.008	50,003
NASA	NNX13AM69H	Reusable Communication Infrastructure for Small Satellites - GF R. Kingsbury	43.008	49,966
NASA	NNX13AN67H	Climatic and geodynamic influences on ocean island landscape evolution - PD K. Huppert	43.001	23,771
NASA	NNX14AE26H	NASA AERONAUTICS SCHOLARSHIP PROGRAM	43.002	28,834
		Total for National Aeronautics and Space Administration		**2,079,063**
		TOTAL for National Aeronautics and Space Administration		**2,079,063**
		TOTAL Federal Non-Research Support - On Campus		**7,464,485**

Appendix C
Massachusetts Institute of Technology
Federal Non-Research Support - Passthrough - On Campus
FY 2014 Expenditures by Prime Sponsor and Sponsor

Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
DEPARTMENT OF DEFENSE					
Brigham & Women's Hospital					
DEPARTMENT OF DEFENSE	2388702	108492	Supplemental Fellowship Support - Gf Hyeongho Shin	12.300	20,258
			Total for Brigham & Women's Hospital		**20,258**
Building Engineering & Science Talent					
DEPARTMENT OF DEFENSE	2746356	2014 MOU	A Proposal for the SeaGlide Program at MIT	12.CCC	5,917
			Total for Building Engineering & Science Talent		**5,917**
Massachusetts General Hospital					
DEPARTMENT OF DEFENSE	2388614	BILLING AGREEMENT - 221334	Letter Agreement: Meaghan O'Neil	12.420	26,638
			Total for Massachusetts General Hospital		**26,638**
American Society/Engineering Education					
DEPARTMENT OF DEFENSE	2291100	LETTER DATED 8/11/99	NDSEG Fellowship Program	12.300	3,442,849
			Total for American Society/Engineering Education		**3,442,849**
Lincoln Laboratory					
DEPARTMENT OF DEFENSE	2745735	PO #7000228220	Support of the MIT Security Studies Program	12.CCC	12,013
DEPARTMENT OF DEFENSE	2746332	PO#7000263555	Support of the MIT Security Studies Program	12.CCC	5,426
			Total for Lincoln Laboratory		**17,439**
Draper Laboratory Incorporated					
DEPARTMENT OF DEFENSE	2745900	PO 0001028104	Draper Fellow Reporting Parent FY 13/14	12.CCC	53,766
DEPARTMENT OF DEFENSE	2745901	PO 0001029523	Draper Fellow Reporting Parent FY 13/14	12.CCC	46,492
DEPARTMENT OF DEFENSE	2745895	PO 001-0001027971	Draper Fellow Reporting Parent FY 13/14	12.CCC	59,252
DEPARTMENT OF DEFENSE	2745894	PO 001-0001027973	Draper Fellow Reporting Parent FY 13/14	12.CCC	55,012
DEPARTMENT OF DEFENSE	2745893	PO 001-0001027977	Draper Fellow Reporting Parent FY 13/14	12.CCC	39,871
DEPARTMENT OF DEFENSE	2745892	PO 001-0001027978	Draper Fellow Reporting Parent FY 13/14	12.CCC	56,275
DEPARTMENT OF DEFENSE	2745891	PO 001-0001027979	Draper Fellow Reporting Parent FY 13/14	12.CCC	56,050
DEPARTMENT OF DEFENSE	2745897	PO 001-0001027980	Draper Fellow Reporting Parent FY 13/14	12.CCC	52,140
DEPARTMENT OF DEFENSE	2745896	PO 001-0001027993	Draper Fellow Reporting Parent FY 13/14	12.CCC	54,556
DEPARTMENT OF DEFENSE	2745914	PO 001-0001028087	Draper Fellow Reporting Parent FY 13/14	12.CCC	48,341
DEPARTMENT OF DEFENSE	2745916	PO 001-0001028088	Draper Fellow Reporting Parent FY 13/14	12.CCC	48,341
DEPARTMENT OF DEFENSE	2745915	PO 001-0001028093	Draper Fellow Reporting Parent FY 13/14	12.CCC	48,341

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FY 2014 Expenditures by Prime Sponsor and Sponsor

Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
DEPARTMENT OF DEFENSE	2745908	PO 001-0001028098	Draper Fellow Reporting Parent FY 13/14	12.CCC	32,044
DEPARTMENT OF DEFENSE	2745898	PO 001-0001028100	Draper Fellow Reporting Parent FY 13/14	12.CCC	34,404
DEPARTMENT OF DEFENSE	2745899	PO 001-0001028102	Draper Fellow Reporting Parent FY 13/14	12.CCC	34,404
DEPARTMENT OF DEFENSE	2745925	PO 001-0001028580	Draper Fellow Reporting Parent FY 13/14	12.CCC	52,140
DEPARTMENT OF DEFENSE	2745946	PO 001-0001028581	Draper Fellow Reporting Parent FY 13/14	12.CCC	53,618
DEPARTMENT OF DEFENSE	2745941	PO 001-0001028582	Draper Fellow Reporting Parent FY 13/14	12.CCC	52,140
DEPARTMENT OF DEFENSE	2745917	PO 001-0001028583	Draper Fellow Reporting Parent FY 13/14	12.CCC	31,682
DEPARTMENT OF DEFENSE	2745909	PO 001-0001028584	Draper Fellow Reporting Parent FY 13/14	12.CCC	32,044
DEPARTMENT OF DEFENSE	2745947	PO 001-0001028827	Draper Fellow Reporting Parent FY 13/14	12.CCC	52,140
DEPARTMENT OF DEFENSE	2745926	PO 001-0001029086	Draper Fellow Reporting Parent FY 13/14	12.CCC	37,860
DEPARTMENT OF DEFENSE	2745948	PO 001-0001029255	Draper Fellow Reporting Parent FY 13/14	12.CCC	45,760
DEPARTMENT OF DEFENSE	2745949	PO 001-0001029519	Draper Fellow Reporting Parent FY 13/14	12.CCC	32,544
DEPARTMENT OF DEFENSE	2745919	PO 001-0001029533	Draper Fellow Reporting Parent FY 13/14	12.CCC	44,731
DEPARTMENT OF DEFENSE	2745910	PO 001-0001029801	Draper Fellow Reporting Parent FY 13/14	12.CCC	46,660
DEPARTMENT OF DEFENSE	2745924	PO 001-0001029971	Draper Fellow Reporting Parent FY 13/14	12.CCC	44,807
DEPARTMENT OF DEFENSE	2745902	PO 001-0001029976	Draper Fellow Reporting Parent FY 13/14	12.CCC	23,330
DEPARTMENT OF DEFENSE	2745920	PO 001-0001030363	Draper Fellow Reporting Parent FY 13/14	12.CCC	33,129
DEPARTMENT OF DEFENSE	2745911	PO 001-0001030364	Draper Fellow Reporting Parent FY 13/14	12.CCC	24,702
DEPARTMENT OF DEFENSE	2746451	PO 001-0001031206	Draper Fellow - A. Johnson - Travel Grant	12.CCC	2,076
DEPARTMENT OF DEFENSE	2746520	PO 001-0001032046	Draper Fellow Reporting Parent FY 14/15	12.CCC	2,896
DEPARTMENT OF DEFENSE	2745918	PO 001-001029515	Draper Fellow Reporting Parent FY 13/14	12.CCC	46,660
			Total for Draper Laboratory Incorporated		**1,378,207**
			TOTAL for Department of Defense		**4,891,308**

Appendix C
Massachusetts Institute of Technology
Federal Non-Research Support - Passthrough - On Campus
FY 2014 Expenditures by Prime Sponsor and Sponsor

Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
DEPARTMENT OF ENERGY					
Battelle-Pacific Northwest Laboratories					
DEPARTMENT OF ENERGY	2745048	CONTRACT NO. 162002	GTRI NUCLEAR SECURITY EDUCATION INITIATIVE IMPLEMENTATION	81.CCC	383,630
			Total for Battelle-Pacific Northwest Laboratories		**383,630**
Krell Institute					
DEPARTMENT OF ENERGY	2225900	FELLOWSHIP COMMITMENT	DOE-CSGF Krell Institute	81.049	15,643
DEPARTMENT OF ENERGY	2388625	LTR. AGREEMENT	DOE NNSA Stewardship Science Graduate Fellowship Program - G.F. M. Robinson	81.049	1,803
			Total for Krell Institute		**17,445**
Hydro Research Foundation					
DEPARTMENT OF ENERGY	2388814	LTR. DATED 4/9/14	A Study of Novel Hydrophobic Rare Earth Oxide-based Coatings for Enhancing Longevity of Hydropower Water Conveyance Structures Pre Doc S. Khan	81.CCC	1,519
			Total for Hydro Research Foundation		**1,519**
Sandia National Laboratories					
DEPARTMENT OF ENERGY	2388430	PO 1154670 UNDER 611557	Sandia Fellowship - Dwyer	81.CCC	63,226
			Total for Sandia National Laboratories		**63,226**
National Renewable Energy Laboratory					
DEPARTMENT OF ENERGY	2388713	UGA-0-41029-11 TASK PV 136040	Development of Low Electron Affinity, n-doped Materials as Cu2O and SnS Heterojunction Partners - GF R. Brandt	81.CCC	5,396
			Total for National Renewable Energy Laboratory		**5,396**
			TOTAL for Department of Energy		**471,217**

Appendix C
Massachusetts Institute of Technology
Federal Non-Research Support - Passthrough - On Campus
FY 2014 Expenditures by Prime Sponsor and Sponsor

Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
DEPARTMENT OF HEALTH & HUMAN SERVICES					
Harvard School of Public Health					
DEPARTMENT OF HEALTH & HUMAN SERVICES	2746118	112497-5069710	Safety and Health Management of Hazards Associated with Emerging Technologies	93.143	4,971
			Total for Harvard School of Public Health		**4,971**
Harvard Medical School					
DEPARTMENT OF HEALTH & HUMAN SERVICES	2746285	HMS FUND #152433	Letter Agreement: Joel Brooks	93.879	19,094
DEPARTMENT OF HEALTH & HUMAN SERVICES	2745702	HMS FUND #152433	Letter Agreement: Marzyeh Ghassemi	93.879	24,192
DEPARTMENT OF HEALTH & HUMAN SERVICES	2746284	HMS FUND #152433	Letter Agreement: Tristan Naumann	93.879	18,360
DEPARTMENT OF HEALTH & HUMAN SERVICES	2745595	HMS FUND #152433	Y21 BIRT T15 Training Grant	93.879	9,852
			Total for Harvard Medical School		**71,498**
Massachusetts General Hospital					
DEPARTMENT OF HEALTH & HUMAN SERVICES	2746283	MGH ACCOUNT PS NO. 217390	Letter Agreement: Eugene Lim	93.286	23,330
DEPARTMENT OF HEALTH & HUMAN SERVICES	2746055	MGH ACCOUNT PS NO. TBD	Letter Agreement: Eugene Lim	93.879	31,682
			Total for Massachusetts General Hospital		**55,012**
			TOTAL for Department of Health & Human Services		**131,480**

Appendix C
Massachusetts Institute of Technology
Federal Non-Research Support - Passthrough - On Campus
FY 2014 Expenditures by Prime Sponsor and Sponsor

Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
MISCELLANEOUS FEDERAL GOVT					
Education Development Center, Inc.					
MISCELLANEOUS FEDERAL GOVT	2745864	#11452 SUBGRANT 00003058-PHASE II	Piloting Contemproary Approaches to Online Teacher Education Program in Pakistan - Phase II	98.001	624,520
			Total for Education Development Center, Inc.		**624,520**
Quinsigamond Community College					
MISCELLANEOUS FEDERAL GOVT	2746219	20140930-4328KMA	Innovative Technology Enabled Learning Modules in Advanced Manufacturing	17.282	153,991
			Total for Quinsigamond Community College		**153,991**
University of Michigan					
MISCELLANEOUS FEDERAL GOVT	2745713	3002453989	DIPIR - Dissemination Information Packages for Information Reuse	45.312	2,235
			Total for University of Michigan		**2,235**
Institute of International Education, Inc.					
MISCELLANEOUS FEDERAL GOVT	2388569	AGREEMENT DATED 7/1/12	Hubert H Humphrey Fellowship Program (SPURS) 2012-2013	19.010	71,320
MISCELLANEOUS FEDERAL GOVT	2388734	AGREEMENT DATED 7/1/13	Hubert H Humphrey Fellowship Program (SPURS) 2013-2014	19.010	219,402
			Total for Institute of International Education, Inc.		**290,722**
University of Minnesota					
MISCELLANEOUS FEDERAL GOVT	2744558	H001344229	ARRA - Trade Adjustment Assistance Program for Farmers	10.315	21,645
			Total for University of Minnesota		**21,645**
Consortium for Oceanographic Research & Education (Core)					
MISCELLANEOUS FEDERAL GOVT	2745721	SA #13-23 UNDER PRIME NA12SEC0080019	Blue Lobster Bowl	11.431	593
			Total for Consortium for Oceanographic Research & Education (Core)		**593**
National Academy of Sciences					
MISCELLANEOUS FEDERAL GOVT	2388691	TRB-200000 2434	Optimization of Slot Limits at Congested Airports	20.000	10,000
			Total for National Academy of Sciences		**10,000**
			TOTAL for Miscellaneous Federal Govt		**1,103,705**

Appendix C
Massachusetts Institute of Technology
Federal Non-Research Support - Passthrough - On Campus
FY 2014 Expenditures by Prime Sponsor and Sponsor

Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION					
California Institute of Technology					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	2388332	2-10898-40 UNDER NASA PRIME	Sagan Postdoctoral Fellowship Program - D. Valencia	43.000	3,010
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	2388464	2-1090927 UNDER NASA PRIME	Sagan Postdoctoral Fellowship Program - B. Croll	43.000	78,802
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	2388575	2-1092711	Sagan Postdoctoral Fellowship Program - N. Lewis	43.000	90,313
			Total for California Institute of Technology		**172,125**
Valador, Inc.					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	2745530	AGMT DTD 3/28/12	NASA Innovative Mars Habitat Design Concepts	43.CCC	1,168
			Total for Valador, Inc.		**1,168**
Center for Advancement of Science in Space					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	2745532	AGMT. DTD. 9/7/2012	Zero Robotics Programming Competition	43.007	22,221
			Total for Center for Advancement of Science in Space		**22,221**
Baylor College of Medicine					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	2745496	EO02002	Mentored Research Program in Space Life Sciences	43.000	201,528
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	2745499	SA02701	Team Leader Funding - Sensorimotor Adaptation Team Year 5	43.002	20
			Total for Baylor College of Medicine		**201,548**
Space Telescope Science Institute					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	2388560	HST-HF-51308.01-A	The Present State of Evolution - PDF for M. McDonald	43.000	101,492
			Total for Space Telescope Science Institute		**101,492**
Commonwealth of Massachusetts - Miscellaneous					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	2732483	MASSACHUSETTS SPACE GRANT CONSORTUIM	Massachusetts Space Grant Consortium	43.CCC	721
			Total for Commonwealth of Massachusetts - Miscellaneous		**721**
Smithsonian Inst. - Astrophysical Observatory					

Appendix C
Massachusetts Institute of Technology
Federal Non-Research Support - Passthrough - On Campus
FY 2014 Expenditures by Prime Sponsor and Sponsor

Prime Sponsor Name	Project WBS id	Passthrough Number	WBS Project Name	CFDA #	FY Expenses
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	2388425	PF2-120085	Dissecting Supernova Remnants and HII Regions Observed with Chandra - Post Doc. L.Lopez	43.000	79,499
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	2388550	PF2-130102	The Nature of the Fermi Bubble: Implications for Interstellar Medium and the Growth of the Supermassive Black Hole in the Milky Way - Post Doc M. Su	43.001	87,659
			Total for Smithsonian Inst. - Astrophysical Observatory		**167,158**
CalTech - Jet Propulsion Lab					
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	2745267	RSA NO. 1457621	Space Systems Product Development: Educating the Next Generation of Space Systems Engineers	43.CCC	19,213
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION	2746259	RSA NO. 1492489	Space Systems Product Development: Educating the Next Generation of Space Systems Engineers	43.CCC	12,615
			Total for CalTech - Jet Propulsion Lab		**31,827**
			TOTAL for National Aeronautics and Space Administration		**698,261**
			TOTAL Federal Non-Research Support - Passthrough - On Campus		**7,295,971**

SECTION III

REPORTS ON INTERNAL CONTROL AND COMPLIANCE AND SUMMARY OF AUDITOR'S RESULTS

Independent Auditor's Report on Internal Control over Financial Reporting and on Compliance and Other Matters Based on an Audit of Financial Statements Performed in Accordance with *Government Auditing Standards*

To the Risk and Audit Committee of the
Massachusetts Institute of Technology

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the consolidated financial statements of the Massachusetts Institute of Technology (the "Institute") and its subsidiaries, which comprise the consolidated statement of financial position as of June 30, 2014, and the related consolidated statement of activities and statement of cash flows for the year then ended, and the related notes to the financial statements, and have issued our report thereon dated September 12, 2014.

Internal Control over Financial Reporting

In planning and performing our audit of the financial statements, we considered the Institute's internal control over financial reporting ("internal control") to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the Institute's internal control. Accordingly, we do not express an opinion on the effectiveness of the Institute's internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the Institute's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The

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results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

PricewaterhouseCoopers LLP

September 12, 2014

Independent Auditor's Report on Compliance with Requirements That Could Have a Direct and Material Effect on Each Major Program and on Internal Control over Compliance in Accordance with OMB Circular A-133

To the Risk and Audit Committee of the
Massachusetts Institute of Technology

Report on Compliance for Each Major Federal Program

We have audited the Massachusetts Institute of Technology's (the "Institute") compliance with the types of compliance requirements described in the *OMB Circular A-133 Compliance Supplement* that could have a direct and material effect on each of the Institute's major federal programs for the year ended June 30, 2014. The Institute's major federal programs are identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs.

Management's Responsibility

Management is responsible for compliance with the requirements of laws, regulations, contracts, and grants applicable to its federal programs.

Auditor's Responsibility

Our responsibility is to express an opinion on compliance for each of the Institute's major federal programs based on our audit of the types of compliance requirements referred to above. We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; and OMB Circular A-133, *Audits of States, Local Governments, and Non-Profit Organizations*. Those standards and OMB Circular A-133 require that we plan and perform the audit to obtain reasonable assurance about whether noncompliance with the types of compliance requirements referred to above that could have a direct and material effect on a major federal program occurred. An audit includes examining, on a test basis, evidence about the Institute's compliance with those requirements and performing such other procedures as we considered necessary in the circumstances.

We believe that our audit provides a reasonable basis for our opinion on compliance for each major federal program. However, our audit does not provide a legal determination of the Institute's compliance.

Opinion on Each Major Federal Program

In our opinion, the Institute complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2014.

Other Matters

The results of our auditing procedures disclosed instances of noncompliance, which are required to be reported in accordance with OMB Circular A-133 and which are described in the accompanying schedule of findings and questioned costs as items 2014-001, 2014-002 and 2014-003. Our opinion on each major federal program is not modified with respect to these matters.

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The Institute's response to the noncompliance findings identified in our audit is described in the accompanying Schedule of Findings and Questioned Costs and Corrective Action Plan. The Institute's response was not subjected to the auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the response

Report on Internal Control over Compliance

Management of the Institute is responsible for establishing and maintaining effective internal control over compliance with the types of compliance requirements referred to above. In planning and performing our audit of compliance, we considered the Institute's internal control over compliance with the types of requirements that could have a direct and material effect on each major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing an opinion on compliance for each major federal program and to test and report on internal control over compliance in accordance with OMB Circular A-133, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of the Institute's internal control over compliance.

A *deficiency in internal control over compliance* exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. A *material weakness in internal control over compliance* is a deficiency, or combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis. A *significant deficiency in internal control over compliance* is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.

Our consideration of internal control over compliance was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of OMB Circular A-133. Accordingly, this report is not suitable for any other purpose.

PricewaterhouseCoopers LLP

March 11, 2015

Massachusetts Institute of Technology
Schedule of Findings and Questioned Costs
Year Ended June 30, 2014

Section I Summary of Auditor's Results

Financial Statements

Type of auditor's report issued	Unmodified
Internal control over financial reporting	
Material weakness(es) identified	___ Yes __X__ No
Significant deficiency (ies) identified that are not considered to be material weaknesses	___ Yes __X__ None Reported
Noncompliance material to financial statements noted?	___ Yes __X__ No

Federal Awards

Internal control over major programs	
Material weakness (es) identified?	___ Yes __X__ No
Significant deficiency (ies) identified that are not considered to be material weaknesses?	___ Yes __X__ None Reported
Type of auditor's report issued on compliance for major programs	Unmodified
Any audit findings disclosed that are required to be reported in accordance with section 510(a) of OMB Circular A-133?	__X__ Yes ___No

Identification of major programs

CFDA Number	Name of Federal Program or Cluster
Various	Student Financial Assistance Cluster
Various	Research & Development Cluster

Dollar threshold used to distinguish between Type A and Type B programs	$4,088,487
Auditee qualifies as a low-risk auditee?	__X__ Yes ___ No

Section II Financial Statement Findings

None noted.

Section III Federal Award Findings and Questioned Costs

Student Financial Aid Cluster
Finding 2014-001
Compliance Requirement: Enrollment Reporting (N)

Federal Program Involved	CFDA Number	Award Year
Federal Perkins Loan	84.038	7/1/13 – 6/30/14
Federal Direct Loan Program	84.268	7/1/13 – 6/30/14

Criteria: Federal regulations, OMB No. 1845-0002 and 0035, governing Title IV student aid programs require institutions, lenders, GAs, and the Direct Loan Servicer to monitor and update the enrollment status of students who receive Federal student loans. Completion of Enrollment Reporting satisfies the regulatory requirements for schools.

Enrollment Reporting must be completed in a timely and accurate manner to meet regulatory requirements. Enrollment information must be reported within 30 days whenever attendance changes for students, unless a roster will be submitted within 60 days. These changes include reductions or increases in attendance levels, withdrawals, graduations, or approved leaves-of absence. It is the school's responsibility, as a participant in the Title IV aid programs, to monitor and report these changes to the NSLDS.

Condition: Out of 25 students selected for status change testing, PwC noted two (2) selections for which the status change was reported to NSLDS outside of the 60 day requirement. For the two students, the status changes were reported between 41 and 144 days late.
Questioned costs: None

Cause: For one of the students, the change in status to graduated, due to an early graduation, was not reported in a timely manner to the registrar. For one student, the graduation status was not captured in the system for reporting to the National Student Clearinghouse, due to an error in the degree type, the record was prevented from transferring correctly.

Effect:
The effective administration of Title IV loans could be impacted when changes in students' status are not reported timely and accurately. Late or inaccurate submission of status changes could impact students' deferment eligibility, grace periods and repayment schedules, as well as the government's payment of interest subsidies.

Recommendation:
Management should review and strengthen the process used for student status change reporting by enhancing the process for ensuring the timely reporting of status changes. These procedures may include working with departments to ensure timely reporting of student's status and ensuring timely reporting the NSLDS. Management should implement a review process of the information submitted to confirm that all changes submitted are accurate.

Management's Views and Corrective Action Plan:
See the Institute's views and corrective action plan.

Federal Award Findings and Questioned Costs
Research and Development Cluster
Finding 2014-002
Compliance Requirement: Davis-Bacon Act (D)

Federal Program Involved	Contract Number	Award Year
Research and Development Cluster	FA8721-05-C-0002	2005-2010

Lincoln Laboratory Programs/Cost centers: S150512; 1800-11; 10087-11; S002002; 3-6901; S152001; 1971-81; 1971-91; S150521; 2073-823; 10143-21

Criteria: Non-federal entities shall include, in their construction contracts subject to the Davis-Bacon Act, a requirement that the contractor or subcontractor comply with the requirements of the Davis-Bacon Act and the Department of Labor regulations (29 CFR part 5, Labor Standards Provisions Applicable to Contacts Governing Federally Financed and Assisted Construction). This includes a requirement for the contractor or subcontractor to submit to the non-Federal entity weekly, for each week in which any contract work is performed, a copy of the payroll and a statement of compliance (certified payrolls) (29 CFR sections 5.5 and 5.6).

Condition: We selected a total of 25 purchase orders, across multiple R&D awards for testing of the Davis-Bacon Act compliance requirement. We noted that for 7 out of the 25 purchase orders tested, MIT Lincoln Laboratory did not obtain the required weekly certified payrolls in a timely manner. The weekly certified payrolls from vendors were obtained when invoiced by the contractor rather than on a weekly basis.

Questioned costs: None

Cause: For smaller purchase orders, MIT Lincoln Laboratory only requires that vendors submit their weekly certified payrolls when the invoice is sent to MIT Lincoln Laboratory. For larger contracts that have more frequent billings, the weekly certified payrolls are received monthly from the vendor or at each billing milestone. Per review of MIT Lincoln Laboratory policy, they are required to obtain the certified payrolls on a weekly basis for all contracts. MIT Lincoln Laboratory did not follow their policies and procedures, as it relates to timeliness, that are applicable to purchase orders that are subject to the Davis-Bacon Act.

Effect: MIT Lincoln Laboratory did not ensure on as timely a basis as is required by the Davis Bacon Act, that prevailing wages were being paid.

Recommendation: We recommend that MIT Lincoln Laboratory continue to emphasize more diligence in following policies and procedures, as it relates to the timeliness of obtaining certified payrolls on the construction contracts that are subject to the Davis-Bacon Act.

Management's Views and Corrective Action Plan:
See the Institute's views and corrective action plan.

Federal Award Findings and Questioned Costs
Research and Development Cluster
Finding 2014-003
Compliance Requirement: Subrecipient Monitoring (M)

Federal Program Involved	Contract Number	Award Year
Research and Development Cluster	FA8721-05-C-0002	2005 - 2010

Lincoln Laboratory Program: 2237, 1788, 10035; 1918; 2232

Criteria: OMB Circular A-133, Subpart D, Section 400(d) includes details that a pass-through entity shall perform the following for the Federal awards it makes:

- Monitor the activities of subrecipients as necessary to ensure that Federal awards are used for authorized purposes in compliance with laws, regulations, and the provisions of contracts or grant agreements and those performance goals are achieved.
- Ensure that subrecipients expending $500,000 or more in Federal awards during the subrecipient's fiscal year have met the audit requirements of this part for that fiscal year.
- Issue a management decision on audit findings within six months after receipt of the subrecipient's audit report and ensure that the subrecipient takes appropriate and timely corrective action.
- Consider whether subrecipient audits necessitate adjustment of the pass-through entity's own records.
- Require each subrecipient to permit the pass-through entity and auditors to have access to the records and financial statements as necessary for the pass-through entity to comply with this part.

Condition: We selected a total of 50 subrecipient agreements across multiple R&D awards for testing. Of the 25 tested for MIT Lincoln Laboratory, we noted 5 instances where they obtained the subrecipient's A-133 report in the year that it was initiated but didn't have it for the subsequent year if the program expenditures carried over to another fiscal year. However, for all of those exceptions MIT (either On Campus or Lincoln Laboratory) did have evidence that they reviewed the appropriate subrecipient's A-133 report as part of subrecipient monitoring of a separate agreement with the same subrecipient. The other subrecipient agreement was entered in to with MIT Lincoln Laboratory or MIT On Campus.

Questioned costs: None

Cause: MIT process for monitoring subrecipients is not completely centralized. MIT On Campus has a centralized process for monitoring subrecipients which requires obtaining copies of annual A-133 reports for all active subrecipient agreements that meet the required criteria. However, MIT Lincoln Laboratory policy does not require that a copy of the subrecipient's annual A-133 reports be obtained for each year of a multi-year award. As a result, the subrecipient monitoring process is not as effective and efficient as both locations may be doing the same review of the same A-133 reports. In cases where MIT On Campus does it and MIT Lincoln Laboratory doesn't there is no communication of the result of the review.

Effect: Without the appropriate level of subrecipient monitoring, MIT has an increased risk that federal funding disbursed to a subrecipient will not be effectively managed and expended in accordance with the terms and conditions of its agreement, as well as applicable Federal regulations.

Recommendation: We recommend that MIT's subrecipient monitoring be completely centralized to cover both On Campus and Lincoln Laboratory and leverage and share data accumulated between locations.

Management's Views and Corrective Action Plan:
See the Institute's views and corrective action plan.

Massachusetts Institute of Technology
Summary Schedule of Prior Audit Findings
Year Ended June 30, 2014

There were no findings from prior years that require an update in this report.

Massachusetts Institute of Technology
Student Financial Services
Building 11-120
77 Massachusetts Avenue
Cambridge, Massachusetts
02139–4307

Phone 800-537-6012
Fax 617-258-0700
http://web.mit.edu/sfs

PricewaterhouseCoopers, LLP
125 High Street
Boston, MA 022110

Attention: Lee Ann C. Leahy, Partner

Subject: MIT Student Financial Services Response to FY2014 A-133 Audit Findings

Dear Ms. Leahy,

The following is Student Financial Service's mangement response and action plan to PwC Findings in the FY14 A-133 Audit:

Student Financial Aid Cluster
Finding 2014-001
Compliance Requirement: Enrollment Reporting (N)

Federal Program Involved	CFDA Number	Award Year
Federal Perkins Loan	84.038	7/1/13 – 6/30/14
Federal Direct Loan Program	84.268	7/1/13 – 6/30/14

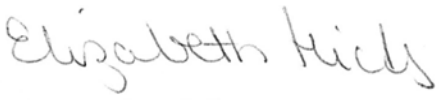
Management's Views and Corrective Action Plan:
We concur that we need to strengthen the process used for student status change reporting. Student Financial Services and the Registrar's Office plan to map the process, and then communicate with the various stakeholders (departments, labs and centers, the Clearinghouse, and Campus Partners) to ensure that roles and responsibilities of the various parties are well documented and understood.

To address late reporting of early thesis candidates by academic departments, effective immediately, we will institute a 15-day submittal rule whereby academic departments must submit the final thesis grade within 15 days of having the thesis submitted. Additionally, we will explore an automating messaging feature within our online grading application. If an administrator attempts to apply a final grade after the 15-day window we will trigger a flag to the Registrar's Office to follow up directly with the department.

To prevent errors in degree types we will handle the capture of new degrees and the sending to the Clearinghouse in a straightforward manner. To do this, we will add to our standard operating procedures for the creation of a new degree a process to test the appearance of the degree in a test of the file to the Clearinghouse. This testing will begin in February and continue each term. With this, we will test on a random sampling basis to ensure processes are working correctly.

Completion date: Conversations between the Registrar's Office and the academic departments have already begun. A comprehensive review of the process will be completed by May 31, 2015.

Issue Coordinator: Lindsey Withem
Compliance Officer
Studuent Financial Services



Elizabeth Hicks
Office of the Dean for Undergraduate Education
Executive Director, Student Financial Services
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MASSACHUSETTS INSTITUTE OF TECHNOLOGY
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981-8302

23 February 2015

PricewaterhouseCoopers, LLP
125 High Street
Boston, MA 02110

Attention: Lee Ann C. Leahy, Partner

Subject: MIT Lincoln Laboratory Response to FY2014 A-133 Audit Findings

Dear Ms. Leahy,

The following is Lincoln Laboratory's management response and action plan to PwC Findings in the FY14 A-133 Audit:

Research and Development Cluster
Finding 2014-002
Compliance Requirement: Davis-Bacon Act (D)

Federal Program Involved	**Contract Number**	**Award Year**
Research and Development Cluster	FA8721-05-C-0002	2005-2010

Lincoln Laboratory Programs/Cost centers: S150512; 1800-11; 10087-11; S002002; 3-6901; S152001; 1971-81; 1971-91; S150521; 2073-823; 10143-21

Management's Views and Corrective Action Plan:
MIT Lincoln Laboratory will place increased emphasis on the importance of subcontractors' submittal of weekly certified payrolls for construction contracts subject to the Davis-Bacon Act. We will add a review of Davis-Bacon Act compliance to the FY 2015 Ethics, Compliance, and Oversight Audit Plan.

Completion date: Emphasis in the Contracting Services Department has already occurred (February, 2015) with an internal follow-up review planned for September 30, 2015

Issue Coordinator: David Pronchick
Assistant Department Head
Contracting Services Department

Research and Development Cluster
Finding 2014-003
Compliance Requirement: Subrecipient Monitoring (M)

Federal Program Involved	Contract Number	Award Year
Research and Development Cluster	FA8721-05-C-0002	2005 - 2010

Lincoln Laboratory Program: 2237, 1788, 10035; 1918; 2232

Management's Views and Corrective Action Plan:
MIT Lincoln Laboratory will coordinate with the MIT Office of Sponsored Programs on at least a semi-annual basis to share data on subrecipients being monitored by the Laboratory and by Campus. We will also add a review of subrecipient monitoring to the FY2015 Ethics, Compliance, and Oversight Audit Plan.

Completion date: Conversations with MIT Office of Sponsored Programs have already begun. Internal follow-up review of subrecipient monitoring will be done by September 30, 2015.

Issue Coordinator: David Pronchick
Assistant Department Head
Contracting Services Department

Sincerely,

Patricia M. O'Riordan
Financial Services Department Head