



South Carolina Research Foundation

Financial Statements, Supplementary
Financial Information, and Reports and
Schedules Related to Office of Management
and Budget Circular A-133
Years Ended June 30, 2014 and 2013

South Carolina Research Foundation

Financial Statements, Supplementary Financial Information,
and Reports and Schedules Related to Office of Management and Budget
Circular A-133
Years Ended June 30, 2014 and 2013

South Carolina Research Foundation

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Independent Auditor's Report

The Board of Directors
South Carolina Research Foundation

Report on the Financial Statements

We have audited the accompanying financial statements of South Carolina Research Foundation (the "Foundation"), as of and for the years ended June 30, 2014 and 2013, and the related notes to the financial statements, which collectively comprise the Foundation's basic financial statements listed in the table of contents.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these 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 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 these financial statements based on our audits. We conducted our audits 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 financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. 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 financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinions

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the Foundation as of June 30, 2014 and 2013, and the respective changes in its net position and cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.



Other Matters

Supplementary and Other Information

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis information on pages 6 through 11 be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the Foundation's basic financial statements. The accompanying schedule of expenditures of federal awards, as required by Office of Management and Budget Circular A-133, *Audits of States, Local Governments, and Non-Profit Organizations* is presented for purposes of additional analysis and is not a required part of the basic financial statements. The schedule of expenditures of federal awards is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic 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 basic 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 16, 2014 on our consideration of the Foundation'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 Foundation's internal control over financial reporting and compliance.

BDO USA, LLP

September 16, 2014

Management's Discussion and Analysis (Unaudited)

South Carolina Research Foundation

Management's Discussion and Analysis (Unaudited)

Overview of the Financial Statements and Financial Analysis

The South Carolina Research Foundation (the "Foundation") is pleased to present its basic financial statements for fiscal years 2014 and 2013. The emphasis of discussions about these financial statements will be on the current year in comparison to our financial results for the previous two years. While audited financial statements for fiscal year 2012 are not presented with this report, operational and net position data will be presented in this section in order to illustrate certain increases and decreases.

This report consists of a series of financial statements, prepared in accordance with Governmental Accounting Standards Board ("GASB") Statement No. 34, *Basic Financial Statements-and Management's - Discussion and Analysis - for State and Local Governments*, as amended by GASB Statement No. 37, *Basic Financial Statements - and Management's Discussion and Analysis - for State and Local Governments: Omnibus*, and GASB Statement No. 38, *Certain Financial Statement Note Disclosures*. The financial statements presented focus on the financial condition, the changes in net position and cash flows of the Foundation.

There are three financial statements presented: the Statement of Net Position; the Statement of Revenues, Expenses, and Changes in Net Position; and the Statement of Cash Flows. These financial statements present financial information in a form similar to that used by private-sector corporations. The Foundation's net position (the difference between assets and liabilities) is one indicator of the current financial condition of the Foundation, while the change in net position is an indicator of whether the overall financial condition has improved or worsened during the year. This discussion and analysis of the Foundation's financial statements provides an overview of its financial activities for the year in comparison to the past two years.

Statements of Net Position

The Statement of Net Position presents the assets, liabilities, and net position of the Foundation as of the end of the fiscal year. The Statement of Net Position is a point of time financial statement. The purpose of the Statement of Net Position is to present to the readers of the financial statements a fiscal snapshot of the Foundation. The Statement of Net Position presents end-of-year data concerning assets (property that we own), liabilities (what we owe to others), and net position (assets minus liabilities). It is prepared under the accrual basis of accounting, whereby revenues and assets are recognized when the service is provided and expenses and liabilities are recognized when others provide the service to us, regardless of when cash is exchanged.

From the data presented, readers of the Statement of Net Position are able to determine the assets available to continue the operations of the Foundation. They are also able to determine how much the Foundation owes vendors and lending institutions. Finally, the Statement of Net Position provides a picture of the net position (assets minus liabilities) and its availability for expenditure by the Foundation.

The net position of the Foundation is divided into two categories. The first category is amounts invested in capital assets, net of related debt. This represents the Foundation's total investments in capital assets net of outstanding related debt obligations. The second category is unrestricted net position. Unrestricted net position is available to the Foundation for any lawful purpose of the Foundation.

South Carolina Research Foundation

Management's Discussion and Analysis (Unaudited)

Condensed Statements of Net Position

<i>June 30,</i>	2014	2013	2012
Current Assets	\$ 57,741,903	\$ 62,167,545	\$ 70,394,703
Total Capital Assets, Net	\$ 94,109	\$ 142,140	\$ 220,590
Current Liabilities	\$56,867,213	\$ 61,076,716	\$ 69,345,434
Note Payable, Less Current Portion	\$ 20,640	\$ 79,949	\$ 124,873
Net Position:			
Invested in capital assets, net of related debt	\$ 10,809	\$ 12,137	\$ 5,618
Unrestricted	937,350	1,140,883	1,139,368
Total Net Position	\$ 948,159	\$ 1,153,020	\$ 1,144,986

2014

- Current assets and current liabilities at June 30, 2014 decreased by approximately \$4.4 million and \$4.2 million, respectively, over June 30, 2013. Current assets are comprised primarily of cash and cash equivalents, and grants and contracts receivable from sponsors and Health Sciences South Carolina's Managed Care Organizations. The decrease in current assets was due largely to a decrease in federal and some private sponsored grants and contracts as the University of South Carolina transitions to managing more of its programs directly. The approximately \$4.4 million decrease in current assets and a decrease of approximately \$48,000 in capital assets resulted in an approximately \$4.4 million decrease in total assets at June 30, 2014. The approximately \$48,000 decrease in capital assets is attributable largely to the normal depreciation of capital assets during the year. Current liabilities consist primarily of payables to the University of South Carolina for research services performed on sponsored projects, payables to the Consortium for Enterprise Systems Management's vendors, and payables to Health Sciences South Carolina's Medicaid Managed Care Providers, as well as deferred revenue from grants and contract sponsors. The decrease in current liabilities at June 30, 2014 results from a decrease in payables with the transition of federal and some private programs to direct management by the University of South Carolina.
- Net position decreased at June 30, 2014 by approximately \$205,000 over June 30, 2013. The Foundation's net position is influenced predominantly by management fees and recoveries generated on sponsored grants and contracts as well as operating expenditures such as salaries to manage sponsored grants and contracts. The approximately \$205,000 decrease in net position is attributable to a decrease in management fees and recoveries commensurate with a decreased number of grants and contracts.

South Carolina Research Foundation

Management's Discussion and Analysis (Unaudited)

2013

- Current assets and current liabilities at June 30, 2013 decreased by approximately \$8.2 million and \$8.3 million, respectively, over June 30, 2012. Current assets are comprised primarily of cash and cash equivalents, and grants and contracts receivable from sponsors, and Health Sciences South Carolina's Managed Care Organizations. The decrease in current assets was due largely to a decrease in federally sponsored grants and contracts as the University of South Carolina transitions to managing federal programs directly. The \$8.2 million decrease in current assets and a decrease by approximately \$80,000 in capital assets resulted in an \$8.3 million decrease in total assets at June 30, 2013. The approximately \$80,000 decrease in capital assets is attributable largely to the normal depreciation of capital assets during the year. Current liabilities consist primarily of payables to the University of South Carolina for research services performed on sponsored projects, payables to the Consortium for Enterprise Systems Management's vendors, and payables to Health Sciences South Carolina's Medicaid Managed Care Providers, as well as deferred revenue from grants and contract sponsors. The decrease in current liabilities at June 30, 2013 results from a decrease in payables with the transition of federal programs to direct management by the University of South Carolina.
- Net position increased at June 30, 2013 by approximately \$8,000 over June 30, 2012. The Foundation's net position is influenced predominantly by management fees and recoveries generated on sponsored grants and contracts as well as operating expenditures such as salaries to manage sponsored grants and contracts. The approximately \$8,000 increase in net position is attributable to a decrease in operating expenditures in anticipation of a decreased number of federal grants and contracts.

Statements of Revenues, Expenses, and Changes in Net Position

The Statement of Revenues, Expenses, and Changes in Net Position presents the revenues earned and expenses incurred during the year. Activities are reported as either operating or non-operating. Changes in total net position as presented on the Statement of Net Position are based on the activity presented in the Statement of Revenues, Expenses, and Changes in Net Position.

The purpose of the statement is to present the revenues earned, both operating and non-operating, and the expenses incurred, operating and non-operating, and any other revenues, expenses, gains and losses incurred or spent by the Foundation.

Operating revenues are earned from gifts, contributions, and grants and contracts from individuals, industrial or other private organizations, and government or other public agencies. Operating expenses are those expenses to conduct research and to acquire or produce the goods and services provided in return for the operating revenues and to carry out the mission of the Foundation. Non-operating expenses are expenses for private gifts and donations, offset by interest income.

South Carolina Research Foundation
Management's Discussion and Analysis (Unaudited)

Condensed Statements of Revenues, Expenses, and Changes in Net Position

<i>Year ended June 30,</i>	2014	2013	2012
Operating Revenues			
Federal grants and contracts	\$50,429,446	\$ 84,558,115	\$ 92,650,005
Nongovernmental grants and contracts	81,880,262	83,640,366	74,820,316
Management fees and recoveries	9,446,999	13,673,135	20,181,530
Other operating revenues	69,058	60,639	414,809
Total Operating Revenues	141,825,765	181,932,255	188,066,660
Operating Expenses			
Research and development direct costs	139,629,314	178,773,637	184,910,980
Other operating expenses	2,193,219	2,727,815	3,079,403
Total Operating Expenses	141,822,533	181,501,452	187,990,383
Operating Income	3,232	430,803	76,277
Nonoperating (Expenses) Revenues			
Private gifts and donations	(215,117)	(428,839)	(412,422)
Interest income	7,024	6,070	12,378
Net Nonoperating Expenses	(208,093)	(422,769)	(400,044)
Change in Net Position	(204,861)	8,034	(323,767)
Net Position, beginning of year	1,153,020	1,144,986	1,468,753
Net Position, end of year	\$ 948,159	\$ 1,153,020	\$ 1,144,986

2014

- Operating revenues consist of revenues from grants and contracts, management fees and recoveries, and revenues derived from administrative sources. The Foundation categorizes revenues from grants and contracts as either federal grants and contracts, or nonfederal grants and contracts. Revenues generated from federal grants and contracts decreased by approximately \$34.1 million for the year ended June 30, 2014 over the year ended June 30, 2013. The significant decrease is attributable to the transition of federal grants and contracts to management directly by the University of South Carolina. Revenues recognized from nongovernmental grants and contracts decreased by approximately \$1.8 million for the year ended June 30, 2014 over the year ended June 30, 2013. The decrease in nonfederal grants and contracts results from the University of South Carolina transitioning certain nongovernmental grants and contracts to its direct management. Total grants and contracts revenues decreased by approximately \$35.9 million for the year ended June 30, 2014 over the year ended June 30, 2013; management fees and other operating revenues decreased by approximately \$4.2 million and \$8,400, respectively, resulting in a decrease of approximately \$40.1 million in total operating revenues.

South Carolina Research Foundation

Management's Discussion and Analysis (Unaudited)

- Research and development direct costs decreased by approximately \$39.1 million for the year ended June 30, 2014 over the year ended June 30, 2013. The decrease is directly attributable to the transition of Federal and certain nongovernmental grants and contracts to direct management by the University of South Carolina. Other operating expenses decreased by approximately \$535,000 for the year ended June 30, 2014 over the year ended June 30, 2013. The decrease in other operating expenses primarily results from the reduction of services and supplies for Health Sciences South Carolina. Total operating expenses decreased by approximately \$39.7 million.
- Net position decreased at June 30, 2014 over June 30, 2013 by approximately \$205,000. The Foundation's net position is influenced predominantly by indirect cost recoveries and management fees generated on sponsored grants and contracts. The approximately \$205,000 decrease in net position is attributable to a decrease in management fees and recoveries as a result of decreased activity with Federal and nongovernmental sponsored projects managed by the Foundation.

2013

- Operating revenues consist of revenues from grants and contracts, management fees and recoveries, and revenues derived from administrative sources. The Foundation categorizes revenues from grants and contracts as either federal grants and contracts, or nonfederal grants and contracts. Revenues generated from federal grants and contracts decreased by approximately \$8.1 million for the year ended June 30, 2013 over the year ended June 30, 2012. The significant decrease is attributable to the transition of Federal grants and contracts to management directly by the University of South Carolina. Revenues recognized from nonfederal grants and contracts increased by approximately \$8.8 million for the year ended June 30, 2013 over the year ended June 30, 2012. The increase in nonfederal grants and contracts results from an increase in contract revenues provided by the Managed Care Organizations in support of Health Sciences South Carolina's Medicaid Teaching Program. Total grants and contracts revenues increased by approximately \$700,000 for the year ended June 30, 2013 over the year ended June 30, 2012; management fees and other operating revenues decreased by approximately \$6.5 million and \$354,000 respectively, resulting in a decrease of approximately \$6.1 million in total operating revenues.
- Research and development direct costs decreased by approximately \$6.1 million for the year ended June 30, 2013 over the year ended June 30, 2012. The decrease is directly attributable to the transition of Federal grants and contracts to direct management by the University of South Carolina. Other operating expenses decreased by approximately \$352,000 for the year ended June 30, 2013 over the year ended June 30, 2012. The decrease in other operating expenses primarily results from the reduction of salaries and fringes of South Carolina Research Foundation staff. Total operating expenses decreased by approximately \$6.5 million.

South Carolina Research Foundation

Management's Discussion and Analysis (Unaudited)

- Net position increased at June 30, 2013 over June 30, 2012 by approximately \$8,000. The Foundation's net position is influenced predominantly by indirect cost recoveries and management fees generated on sponsored grants and contracts. The approximately \$8,000 increase in net position is attributable to a decrease in operating expenses as a result of decreased activity with Federal sponsored projects managed by the Foundation.

Statements of Cash Flows

The final statement presented is the Statement of Cash Flows. The Statement of Cash Flows presents detailed information about the cash activity of the Foundation during the year by reporting the sources and uses of cash. The statement is divided into four sections. The first section is the operating cash flows and presents the net cash provided or used by the operating activities of the Foundation. The second section is the cash flows from noncapital financing activities. This section presents the cash received and spent for nonoperating, noninvesting, and noncapital financing purposes. The third section is the cash flows from capital and related financing activities and presents the cash used for the acquisition and construction of capital and related items. The fourth section is the cash flows from investing activities and presents the purchases, proceeds, and interest received from investing activities. A reconciliation of the net cash provided by or used in operating activities to the operating income or loss presented on the Statements of Revenues, Expenses, and Changes in Net Position is also included in the Statements of Cash Flows.

Capital Assets and Debt Administration

The Foundation was founded for the purposes of supporting the research and other externally sponsored academic activities of the University of South Carolina. The Foundation operates primarily as a grants management organization and as such maintains limited amounts of capital assets. The Foundation's indebtedness at June 30, 2014 on capital asset purchases consists of a current note payable of approximately \$59,000 and noncurrent note payable of \$21,000.

Financial Statements

South Carolina Research Foundation

Statements of Net Position

<i>June 30,</i>	2014	2013
Current Assets		
Cash and cash equivalents	\$ 433,720	\$ 1,127,733
Restricted cash and cash equivalents	21,045,122	29,969,796
Accounts receivable	36,206,553	30,784,490
Prepaid expenses and deposits	56,508	285,526
Total Current Assets	57,741,903	62,167,545
Capital Assets, Net		
Furniture	356,408	356,407
Office equipment	13,111	13,111
Automobiles	-	31,348
Leasehold improvements	131,214	114,356
Accumulated depreciation	(406,624)	(373,082)
Total Capital Assets, Net	94,109	142,140
Total Assets	57,836,012	62,309,685
Current Liabilities		
Accounts payable and accrued expenses	45,641,654	46,884,930
Unearned revenue	11,166,250	14,136,200
Current portion of notes payable	59,309	55,586
Total Current Liabilities	56,867,213	61,076,716
Notes Payable, Less Current Portion	20,640	79,949
Total Liabilities	56,887,853	61,156,665
Net Position		
Invested in capital assets, net of related debt	10,809	12,137
Unrestricted	937,350	1,140,883
Total Net Position	\$ 948,159	\$ 1,153,020

See accompanying notes to financial statements.

South Carolina Research Foundation

Statements of Revenues, Expenses, and Changes in Net Position

<i>Year ended June 30,</i>	2014	2013
Operating Revenues		
Federal grants and contracts	\$ 50,429,446	\$ 84,558,115
Nongovernmental grants and contracts	81,880,262	83,640,366
Management fees and recoveries	9,446,999	13,673,135
Royalty income	48,567	41,237
Other operating revenues	20,491	19,402
Total Operating Revenues	141,825,765	181,932,255
Operating Expenses		
Research and development direct costs	139,629,314	178,773,637
Salaries and benefits	982,838	1,154,743
Services and supplies	1,210,381	1,573,072
Total Operating Expenses	141,822,533	181,501,452
Operating Income	3,232	430,803
Nonoperating (Expenses) Revenues		
Private gifts and donations	(215,117)	(428,839)
Interest income	7,024	6,070
Net Nonoperating Expenses	(208,093)	(422,769)
Change in Net Position	(204,861)	8,034
Net Position, beginning of year	1,153,020	1,144,986
Net Position, end of year	\$ 948,159	\$ 1,153,020

See accompanying notes to financial statements.

South Carolina Research Foundation

Statements of Cash Flows

<i>Year ended June 30,</i>	2014	2013
Operating Activities		
Payments from grants and contracts	\$ 125,591,873	\$ 168,607,025
Payments to subcontractors	(130,005,709)	(169,011,196)
Payments to suppliers	(4,927,494)	(4,258,973)
Net Cash Used in Operating Activities	(9,341,330)	(4,663,144)
Financing Activities		
Cash flows from capital financing activities:		
Capital asset purchases	(16,857)	(12,052)
Gain from sale of capital assets	3,179	-
Payments on notes payable	(55,586)	(52,097)
Cash flows from non-capital financing activities:		
Private gifts and donations	(215,117)	(428,839)
Total Cash Used in Financing Activities	(284,381)	(492,988)
Investing Activities		
Interest income	7,024	6,070
Net Cash Provided by Investing Activities	7,024	6,070
Net Decrease in Cash and Cash Equivalents	(9,618,687)	(5,150,062)
Cash and Cash Equivalents, beginning of year	31,097,529	36,247,591
Cash and Cash Equivalents, end of year	\$ 21,478,842	\$ 31,097,529
Reconciliation of Operating Income to Net Cash		
Used in Operating Activities:		
Operating income	\$ 3,232	\$ 430,803
Adjustments to reconcile change in net assets to net cash provided by operating income:		
Depreciation expense	61,709	90,502
Changes in:		
Accounts receivable	(5,422,063)	3,018,680
Prepaid expenses and deposits	229,018	58,416
Accounts payable and accrued expenses	(1,243,276)	(8,081,809)
Unearned revenue	(2,969,950)	(179,736)
Net Cash Used in Operating Activities	\$ (9,341,330)	\$ (4,663,144)

See accompanying notes to financial statements.

South Carolina Research Foundation

Notes to Financial Statements

1. Organization

The South Carolina Research Foundation (the "Foundation") is a not-for-profit, IRC §501(c)(3) tax-exempt organization incorporated in the State of South Carolina in December 1991. The Foundation operates as a supporting organization of the University of South Carolina (the "University") to promote, encourage, and aid scientific investigation and research by providing or assisting in providing the means and facilities. The Foundation has public charity status as an organization described in IRC §509(a)(3).

In 2008, the Foundation entered into a management service agreement ("MSA") with Health Sciences South Carolina ("HSSC"), a nonprofit corporation founded to improve the health and economic well-being of the State of South Carolina through a coordinated strategy to advance research and education. The Foundation supports HSSC by providing facilities, personnel and fiduciary services. HSSC includes participation from Clemson University, Medical University of South Carolina, Palmetto Health, Greenville Hospital System, Spartanburg Regional Hospital, McLeod Health, AnMed Health, and Self Regional Healthcare. HSSC is disregarded as an entity for federal tax purposes. As a result of the MSA, the assets, liabilities, revenues, and expenses of HSSC are included in the financial statements of the Foundation.

Effective August 18, 2009, the Foundation entered into an Operating Agreement ("OA") with the Consortium for Enterprise Systems Management, LLC, ("CESM"), a South Carolina limited liability company. CESM was founded to organize and operate an education and research consortium that, in the public interest, promotes effective utilization and management of information technology enterprise systems in business, government, and nonprofit organizations, while advancing the exempt purposes and objectives of the Foundation in the promotion of educational, research, and other programs of the University of South Carolina. CESM is disregarded as an entity for federal income tax purposes. As a result of the OA, the assets, liabilities, revenues, and expenses of CESM are included in the financial statements of the Foundation. Effective May 15, 2014, the name of CESM was changed from the Consortium for Enterprise Systems Management, LLC, to IToLogy, LLC ("IToLogy").

Effective January 1, 2012, the Foundation entered into a Fiscal Sponsorship Fund Agreement ("FSFA") with the South Carolina Institute of Medicine and Public Health ("SCIMPH"), a South Carolina nonprofit corporation. SCIMPH was established in 2011 as an independent convener and resource for evidence-based information on the important health issues in South Carolina. The mission of SCIMPH is to collectively inform policy to improve health and healthcare. SCIMPH takes a comprehensive approach to advancing health issues through data analysis and translation as well as collaborative engagement. SCIMPH is disregarded as an entity for federal income tax purposes. As a result of the FSFA, the assets, liabilities, revenues, and expenses of SCIMPH are included in the financial statements of the Foundation.

South Carolina Research Foundation

Notes to Financial Statements

2. Summary of Significant Accounting Policies

The Foundation applies all applicable Governmental Accounting Standards Board ("GASB") pronouncements. The significant accounting policies used by the Foundation in preparing and presenting its financial statements are as follows:

(a) Basis of Accounting

The financial statements of the Foundation have been prepared using the economic resources measurement focus and the accrual basis of accounting.

(b) Cash and Cash Equivalents

At June 30, 2014 and 2013, the carrying value of cash and cash equivalents (with corresponding bank balances) totaled \$21,478,842 and \$31,097,529, respectively. Bank balances up to \$250,000 are fully insured with federal depository insurance coverage, thus amounts held in deposit greater than insured balances are subject to custodial credit risk. The Foundation does not have a formal policy on custodial credit risk. The Foundation considers all highly liquid investments with original maturities of three months or less to be cash equivalents. Restricted cash and cash equivalents includes all cash and cash equivalents of HSSC, IToLog, and SCIMPH; cash received from a federal agency for research and development but not expended, net of any related receivables; and other amounts reserved for payment of specific payables as of year end.

(c) Accounts Receivable

Accounts receivable consist of amounts due from the Federal government and private sources in connection with reimbursement of allowable expenditures made pursuant to the Foundation's grants and contracts, and HSSC's agreement with Managed Care Organizations. Due to the nature of the Foundation's business, an allowance for doubtful accounts is not maintained as the risk related to uncollectible accounts resides with the related sponsor.

(d) Capital Assets

Capital assets are recorded at cost at the date of acquisition or fair market value at the date of donation in the case of a gift. Depreciation is computed using the straight-line method over the estimated useful lives of the assets, generally 5 years for furniture, office equipment, automobiles, and leasehold improvements.

(e) Unearned Revenue

Unearned revenue includes amounts received from grant and contract sponsors that have not yet been earned because the Foundation has not met all of the recognition requirements of the applicable contract or grant payments received prior to the end of the fiscal year but related to a subsequent reporting period.

South Carolina Research Foundation

Notes to Financial Statements

(f) Net Position

The Foundation's net position is classified as follows:

Invested in Capital Assets: Invested in capital assets represents the Foundation's total investment in capital assets, net of outstanding debt obligations related to those capital assets.

Restricted Net Position: Restricted net position includes resources in which the Foundation is legally or contractually obligated to spend in accordance with restrictions imposed by external third parties.

Unrestricted Net Position: Unrestricted net position is not subject to externally imposed stipulations pertaining to its use. Unrestricted net position is used for the general operations of the Foundation and may be used at the discretion of the governing board to meet current expenses for any purpose.

The Foundation's policy for applying expenses that can use both restricted and unrestricted resources is delegated to Foundation management. General practice is to first apply the expense to restricted resources then to unrestricted resources.

(g) Classification of Revenues

The Foundation has classified its revenue as either operating or nonoperating revenues according to the following criteria:

Operating revenues: Operating revenues include activities that have the characteristics of exchange transactions, such as federal and nongovernmental grants and contracts, royalty income, rental income, and management fees.

Nonoperating revenues: Nonoperating revenues include activities that have the characteristics of nonexchange transactions, such as gifts, and interest income.

(h) Use of Estimates

The preparation of the financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amount of assets and liabilities and disclosures of contingent assets and liabilities at the date of the financial statements. Estimates also affect the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

3. Accounts Receivable

The Foundation's accounts receivable reported in the statements of net position as of June 30, 2014 and 2013, consisted entirely of grants and contracts receivable. A summary of grants and contracts receivable are as follows:

South Carolina Research Foundation

Notes to Financial Statements

<i>June 30,</i>	2014	2013
Private grants and contracts receivable	\$ 33,449,759	\$ 16,540,121
Federal grants and contracts receivable	2,756,794	14,244,369
Total accounts receivable	\$ 36,206,553	\$ 30,784,490

The Foundation's allowance for uncollectible receivables was \$0 at June 30, 2014 and 2013.

4. Accounts Payable and Accrued Expenses

The Foundation's accounts payable and accrued expenses reported in the statement of net position were as follows:

<i>June 30, 2014</i>	Private	Federal	Total
Vendors	\$ 296,697	\$ 185,448	\$ 482,145
University of South Carolina	1,789,089	7,794,161	9,583,250
Health Sciences South Carolina	35,079,772	-	35,079,772
Royalty payments	496,487	-	496,487
Total accounts payable and accrued expenses	\$37,662,045	\$ 7,979,609	\$ 45,641,654

<i>June 30, 2013</i>	Private	Federal	Total
Vendors	\$ 38,918	\$ 4,235	\$ 43,153
University of South Carolina	4,374,943	18,584,343	22,959,286
Health Sciences South Carolina	23,721,670	-	23,721,670
Royalty payments	160,821	-	160,821
Total accounts payable and accrued expenses	\$ 28,296,352	\$ 18,588,578	\$ 46,884,930

5. Note Payable

In November 2010, a commercial finance agreement was executed to purchase \$268,744 of office equipment (interest rate of approximately 6.5% at June 30, 2014). Scheduled maturities of this note payable at June 30, 2014 are as follows:

<i>Years ending June 30,</i>	Amount
2014	\$ 59,309
2015	20,640
Total note payable	\$ 79,949

South Carolina Research Foundation

Notes to Financial Statements

6. Related Party

The University contributes certain personnel and the facilities utilized by the Foundation. There has been no value assigned (as it is undeterminable) to those administrative services in the financial statements. All of the research and development supported by grants and contracts are performed by the University and several of its various departments.

7. Commitments and Contingencies

The Foundation is dependent upon federal and corporate funded research contracts, and must apply for annual renewals of grants and contracts. Funding is subject to both increases and decreases at the discretion of the contractors, and some agreements also call for termination by either party contingent upon certain conditions. The Foundation's federal awards are subject to financial and compliance audits. Such audits could lead to requests for reimbursements to the grantor agency for expenditures disallowed under the terms of the agreement. The amount of expenditures, if any, which may be disallowed by the granting agencies cannot be determined at this time although the Foundation expects such amounts, if any, to be immaterial.

8. Operating Expenses by Functional Classifications

Operating expenses by functional classification were as follows:

<i>June 30, 2014</i>	Salaries and Benefits	Services and Supplies	Total
Research and development	\$ -	\$ 139,629,314	\$ 139,629,314
Management and general	982,838	1,210,381	2,193,219
Total operating expenses	\$ 982,838	\$ 140,839,695	\$ 141,822,533

<i>June 30, 2013</i>	Salaries and Benefits	Services and Supplies	Total
Research and development	\$ -	\$ 178,773,637	\$ 178,773,637
Management and general	1,154,743	1,573,072	2,727,815
Total operating expenses	\$ 1,154,743	\$ 180,346,709	\$ 181,501,452

9. Risk Management

The Foundation is exposed to various risks of loss related to torts, theft of assets, and errors and omissions. The Foundation's affairs are conducted by the employees of the University and exposures to loss resulting from this arrangement are handled by the University through a combination of methods, including participation in various risk pools administered by the State of South Carolina, purchase of commercial insurance and self retention of certain risks. Additional details on the University's risk management program are disclosed in the financial report of the University.

South Carolina Research Foundation

Notes to Financial Statements

10. Subsequent Events

The Foundation has evaluated subsequent events from June 30, 2014 (the date of the most recent statement of net position presented) through September 16, 2014 (the date of the audit report and the date the financial statements were available to be issued). No material recognizable events were identified.

Supplementary Financial Information



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Independent Auditor's Report on Supplementary Financial Information

Our audits of the financial statements included in the preceding section of this report were conducted for the purpose of forming an opinion on those statements as a whole. The schedules of net position and schedules of revenues, expenses, and changes in net position of Health Sciences South Carolina, IToLogy, and South Carolina Institute of Medicine and Public Health presented in the following section of this report is presented for purposes of additional analysis and is not a required part of the basic 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 financial statements. The information has been subjected to the auditing procedures applied in the audits of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the information is fairly stated in all material respects in relation to the financial statements as a whole.

BDO USA, LLP

September 16, 2014

Health Sciences South Carolina

Schedules of Net Position

<i>June 30,</i>	2014	2013
Current Assets		
Restricted cash and cash equivalents	\$ 14,061,576	\$ 14,204,190
Accounts receivable	26,623,212	14,100,343
Prepaid expenses and deposits	2,583	247,266
Total Current Assets	40,687,371	28,551,799
Capital Assets, Net		
Furniture	75,696	75,696
Automobiles	-	31,348
Leasehold improvements	131,214	114,356
Accumulated depreciation	(193,424)	(214,942)
Total Capital Assets, Net	13,486	6,458
Total Assets	40,700,857	28,558,257
Current Liabilities		
Accounts payable and accrued expenses	35,079,771	23,721,670
Unearned revenue	5,621,086	4,836,587
Total Current liabilities	40,700,857	28,558,257
Total Liabilities	40,700,857	28,558,257
Total Net Position	\$ -	\$ -

Health Sciences South Carolina

Schedules of Revenues, Expenses, and Changes in Net Position

<i>Year ended June 30,</i>	2014	2013
Operating Revenues		
Nongovernmental grants and contracts	\$ 69,863,699	\$ 70,251,506
Total Operating Revenues	69,863,699	70,251,506
Operating Expenses		
Research and development direct costs	68,505,243	68,034,431
Salaries and benefits	831,957	968,570
Services and supplies	529,727	1,250,561
Total Operating Expenses	69,866,927	70,253,562
Operating Loss	(3,228)	(2,056)
Nonoperating Revenues		
Interest income	3,228	2,056
Total Nonoperating Revenues	3,228	2,056
Change in Net Position	\$ -	\$ -

IToLogy
(formerly known as Consortium for Enterprise Systems Management)

Schedules of Net Position

<i>June 30,</i>	2014	2013
Current Assets		
Restricted cash and cash equivalents	\$ 283,090	\$ 419,406
Accounts receivable	40,024	9,424
Prepaid expenses and deposits	20,550	13,871
Total Current Assets	343,664	442,701
Capital Assets, Net		
Furniture	268,744	268,744
Accumulated depreciation	(188,120)	(134,371)
Total Capital Assets, Net	80,624	134,373
Total Assets	424,288	577,074
Current Liabilities		
Accounts payable and accrued expenses	74,900	47,544
Unearned revenue	268,950	393,506
Current portion of note payable	59,309	55,586
Total Current Liabilities	403,159	496,636
Note Payable, Less Current Portion	20,640	79,949
Total Liabilities	423,799	576,585
Net Position		
Invested in capital assets, net of related debt	489	489
Total Net Position	489	489
Total Liabilities and Net Position	\$ 424,288	\$ 577,074

IToLogy
(formerly known as Consortium for Enterprise Systems Management)

Schedules of Revenues, Expenses, and Changes in Net Position

<i>Year ended June 30,</i>	2014	2013
Operating Revenues		
Nongovernmental grants and contracts	\$ 1,951,254	\$ 1,419,759
Total Operating Revenues	1,951,254	1,419,759
Operating Expenses		
Research and development direct costs	1,951,254	1,419,759
Total Operating Expenses	1,951,254	1,419,759
Operating Income	-	-
Change in Net Position	\$ -	\$ -

South Carolina Institute of Medicine and Public Health

Schedules of Net Position

<i>June 30,</i>	2014	2013
Current Assets		
Restricted cash and cash equivalents	\$ 176,749	\$ 150,210
Total Current Assets	176,749	150,210
Total Assets	176,749	150,210
Current Liabilities		
Accounts payable and accrued expenses	2,192	10,130
Unearned revenue	174,557	140,080
Total Current Liabilities	176,749	150,210
Total Liabilities	176,749	150,210
Net Position		
Invested in capital assets	-	-
Total Net Position	\$ -	\$ -

South Carolina Institute of Medicine and Public Health

Schedules of Revenues, Expenses, and Changes in Net Position

<i>Year ended June 30,</i>	2014	2013
Operating Revenues		
Nongovernmental grants and contracts	\$ 482,739	\$ 946,266
Total Operating Revenues	482,739	946,266
Operating Expenses		
Research and development direct costs	482,739	946,266
Total Operating Expenses	482,739	946,266
Operating Income	-	-
Change in Net Position	\$ -	\$ -

Reports and Schedules Related to Office of Management and
Budget Circular A-133



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

The Board of Directors
South Carolina Research Foundation

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 financial statements of South Carolina Research Foundation (the "Foundation"), which comprise the statement of net position as of June 30, 2014, and the related statements of revenues, expenses, and changes in net position and cash flows for the year then ended, and the related notes to the financial statements, and have issued our report thereon dated September 16, 2014.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the Foundation'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 opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the Foundation's internal control. Accordingly, we do not express an opinion on the effectiveness of the Foundation'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 Foundation'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 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 Foundation'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 Foundation's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

BDO USA, LLP

September 16, 2014



Independent Auditor's Report on Compliance For Each Major Federal Program and Report on Internal Control Over Compliance Required by OMB Circular A-133

The Board of Directors
South Carolina Research Foundation

Report on Compliance for Each Major Federal Program

We have audited South Carolina Research Foundation's (the "Foundation") 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 Foundation's major federal programs for the year ended June 30, 2014. The Foundation'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 Foundation'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 Foundation'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 Foundation's compliance.

Opinion on Each Major Federal Program

In our opinion, the Foundation 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.



Report on Internal Control Over Compliance

Management of the Foundation 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 Foundation'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 Foundation'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.

BDO USA, LLP

September 16, 2014

South Carolina Research Foundation

Schedule of Expenditures of Federal Awards

Federal Grantor/Pass-Through Grantor/Agency	Federal CFDA Number	Federal Expenditures
U.S. Office of National Drug Control Policy		
Constructing A Drug Consequences Index	07.RD	\$ 11,412
Analysis of Drug-Involved Driving Data from the Fatality Analysis Reporting System: An Update and Extension	07.RD	36,144
Total U.S. Office of National Drug Control Policy		47,556
U.S. Department of Agriculture		
Distributed On-Farm Bioenergy, Biofuels and Biochemicals (FarmBio3) Development and Production via Integrated Catalytic Thermolysis	10.001	151,012
Before the Lunch Line: Behavioral Economic Interventions for Pre-Commitment and for Teacher Modeling	10.253	80
Pass thru Mississippi State University, Identifying Food Deserts in the Rural South: A Comparison of Food Access Measures	10.255	(112)
Comparative Effectiveness of Group Prenatal Care on Women's Food Insecurity and Psychosocial Health	10.255	12,318
Understanding the Relationships Among Child Food Insecurity, Diet Quality, and Physical Activity in Non-metropolitan versus Metropolitan Households	10.255	14,404
		26,610
COPAScities: Childhood Obesity Prevention in SC Communities (Fast Food Mania: Researching and Writing about the Politics of Eating)	10.310	2,067
COPAScities: Childhood Obesity Prevention in SC Communities (Introduction to Information Literacy and Technology)	10.310	4,608
At the Root of Sustainable Bioenergy: Using Genetic Variation in Root Traits to Maximize Soil Carbon Sequestration and Biomass Yields	10.310	6,485
Pass thru Louisiana State University, Atmospheric Emissions of Nitrous Oxide and Particulate Matter from Subtropical Sugarcane	10.310	12,950
COPAScities: Childhood Obesity Prevention in SC Communities	10.310	65,526
Genomic and Breeding Foundations for Cellulosic Sorghum Bioenergy Hybrids	10.310	359,831
COPAScities: Childhood Obesity Prevention in SC Communities	10.310	666,977
		1,118,444
Video Coverage for Providing Diversity in Cropping Systems to Improve Soil Health	10.903	29,954
Pass-through City Roots, Inc., Technical Assistance to City Roots for Conservation Innovation Grants	10.912	2,478
Technical Assistance to City Roots for Conservation Innovation Grants	10.912	2,793
		5,271
Pass thru University of Kentucky, How Can Communities and Households Protect Children from Very Low Food Security	10.XXX	77,976
Total U.S. Department of Agriculture		1,409,347
U.S. Department of Commerce		
Pass thru Southeast Coastal Ocean Observing Regional Association, Enabling Coastal and Marine Spatial Planning in the South Atlantic through User Engagement, Comprehensive Data Management and Development of Spatial Decision Support Tools	11.012	42,008
Developing a Low Impact Development Manual for Coastal South Carolina to Serve as Guidance for Improved Stormwater Management	11.419	139,067
Pass thru University of New Hampshire, Determining the Role of Estuarine Swashes on Water Quality Impairment Along the Grand Strand of South Carolina: Impacts of Land Use and Stormwater Runoff	11.419	229,101
		368,168
North Inlet-Winyah Bay National Estuarine Research Reserve	11.420	65,859
Continuing Support of the NERR Centralized Data Management Office	11.420	197,829
North Inlet-Winyah Bay National Estuarine Research Reserve, Georgetown, SC: Education and Training Center-Phase II-Construction	11.420	271,551
		535,239
Carolinas Integrated Sciences and Assessments	11.431	65,467
Pass-through University of Colorado, Interoperability between ESMF and OpenMI: A Case Study	11.432	50,723
Development of a Genetic Spawning Stock Diversity Index for Western Atlantic Bluefin Tuna	11.472	34,500
OHMI 2008: Using Gene Expression Profiles of Estuarine Grass Shrimp as Biosensors/Monitors of Coastal Ecosystem Health	11.473	70,764
MERHAB 2009: Comparative Analysis of Quantitative Detection Methods for Enumeration of HAB Species: Applications for Resource Management	11.478	162,472
Pass thru University of Central Florida, Integrated Modeling for the Assessment of Ecological Impacts of Sea Level Rise	11.478	85,641
		248,113
Total U.S. Department of Commerce		1,414,982
U.S. Department of Defense		
Analysis Completion Funding Data Recovery at Two Sites on Fort Jackson, Richland County, South Carolina	12.300	732
Characterization and Modeling of Solid State Power Substation (SSPS)	12.300	11,470
Block Copolymer Nanodielectrics-Towards High Energy Density Capacitors	12.300	15,683
Integrated Opto-Electronic Equipment for Autonomous Structural Health Monitoring Research	12.300	19,761
Multiscale Model for Micromechanics-Based Prediction of Material Surface Behavior due to Extreme Hydrodynamic Loads	12.300	24,300
Testing of Eight Late Discoveries, U.S. Army Garrison, Fort Jackson, South Carolina	12.300	30,471
Block Copolymer Nanodielectrics-Towards High Energy Density Capacitors	12.300	35,269
Predictive Modeling of Structural Sensing for Navy Applications	12.300	41,338

South Carolina Research Foundation

Schedule of Expenditures of Federal Awards

Federal Grantor/Pass-Through Grantor/Agency	Federal CFDA Number	Federal Expenditures
USC Participation in the AUFOS NICOP Project with Australia	12.300	44,500
FY 04 Phase II Evaluation of Archaeological Sites at Fort Jackson, Richland County, South Carolina and Monitor Archeological Sites for Impacts by Human or Natural Occurrences for CY04	12.300	80,959
Office of Naval Research, Investigation of Microbe-based Proton Exchange Membranes for Microbial Fuel Cells	12.300	82,957
Development of High Quality 4H-SiC Thick Epitaxy for Reliable High Power Electronics Using Chlorinated Precursors	12.300	87,367
Shipboard Power Technology Assessment	12.300	92,258
Northern Indian Ocean Salt Transport (NIOST): Estimation of Fresh and Salt Water Transports in the Indian Ocean using Remote Sensing, Observations, and HYCOM simulations	12.300	96,730
Mechanisms of Enhanced Flow Boiling with High Frequency Self-modulated Microbubble-switched Oscillations	12.300	99,027
Investigation of Distributed versus Centralized Control of Power Electronic Converters in a Naval Test System	12.300	192,056
Simulation Methods for Design of Networked Power Electronics and Information Systems	12.300	227,083
Pass thru University of Hawaii, Underwater Explosive Detection with a Combined Tunable UV and 532 nm Laser Excited Raman Sensors	12.300	245,120
Pass thru Florida State University, Power Electronics, Controls, and Design Tools for Electric Ship Systems.	12.300	1,165,030
		2,592,111
Estonian Defence Community HIV/STI Education and Prevention Program	12.350	93,334
Pass thru University of Michigan, Towards Water-Free Biologics	12.360	223,537
Synthetic Lectins: New Tools for Detection and Management of Prostate Cancer	12.420	46,344
PWAS EMIS-ECIS Active Carbon Filter Residual Life Estimation Methodology	12.431	139,365
Highly Effective Compression and Evaluation of Geodetic Quantities	12.630	147,611
Optical Limiting Materials Based on Gold Nanoparticles	12.800	30,564
Metallic Material Image Segmentation by using 3D Grain Structure Consistency and Intra/Inter-Grain Model Information	12.800	96,260
Multiscale Mathematics for Nano-Particle-Endowed Active Membranes and Films	12.800	142,043
Predictive Sensing for Space Applications	12.800	172,270
		441,137
National Security Agent, Polynomial Problems in Analytic Number Theory	12.901	16,880
Space and Naval Warfare Systems Center, High Power and Long Life SOFC Systems Powered by JP-8	12.910	32,170
Ensemble-Based Modeling of Large Graphs and Its Applications to Social Networks	12.910	109,746
		141,916
Study of Liquid Metal Anodes for a JP-8 Fuel Cell	12.XXX	(19,770)
AlGaIn MQW Mid UV LEDs Over Sapphire and Bulk AlN	12.XXX	(1,375)
Pass thru Protonex, Liquid-Fueled Solid Oxide Fuel Cells	12.XXX	6,848
Pass-through SINMAT, INC, SBIR PHASE II: Efficient Manufacturing of Low Defect Density SiC Substrates using a Novel Defect Capped Planarization Assisted Growth (DC-PAG) Method	12.XXX	7,342
Development of an Interagency Training Model for Promoting Rule of Law in Post-Conflict Zones	12.XXX	20,187
Pass thru Purdue University, Robust and Principled Visual Intelligence	12.XXX	30,198
Pass thru Universal Technology Corporation, Reconfigurable Pixel Based Conformal Load Bearing Antenna Structures	12.XXX	30,649
Passthrough Fort Jackson/US Army, Center One at Fort Jackson	12.XXX	(3,689)
Development of Finite Element Modules for Modeling Strong Discontinuity-Based Cohesive Crack	12.XXX	39,900
Pass thru Correlated Solutions: High Performance Computer Tool for Predictions of Fatigue Crack Growth	12.XXX	69,088
Pass thru NEI Corporation, Nano-Lubricant/Fluid for Improved Weapons Systems	12.XXX	100,132
Pass thru Honeywell, Models and Self Calibrating Standoff Sensing Approach for Drive train Prognostics	12.XXX	107,980
LBNE Research with Liquid Argon	12.XXX	138,649
Development of an Interagency Training Model for Promoting Rule of Law in Post-Conflict Zones	12.XXX	142,085
STTR: Phase 2 Capacity Fade of Lithium Ion Cells	12.xxx	145,500
Vitamin D and Related Genes, Race and Prostate Cancer Aggressiveness	12.XXX	229,828
Total U.S. Department of Defense		4,885,787
U.S. Department of Interior		
Synthesis of High and Low Marsh Habitat Mapping and Responses to Sea-Level Rise in the South Atlantic Region	15.637	33,411
Operation of the Mid-America Integrated Seismic Network - 2010-2014-USC	15.807	117,376
Benthic Boundary Layer Sediment Transport in the Carolinas	15.808	3,357
Preservation and Access: The Archaeology of Slave Life at Yaughan and Curribo, SC	15.904	66,291
Assess the Distribution and Status of Champion Trees at Congaree National Park, CESU	15.945	2,542
Ecological Characterization of Bioluminescence in Mangrove Lagoon, Salt River Bay, St. Croix,	15.945	63,392
		65,934

South Carolina Research Foundation

Schedule of Expenditures of Federal Awards

Federal Grantor/Pass-Through Grantor/Agency	Federal CFDA Number	Federal Expenditures
Climate Change-Induced Changes in Flow Regime, Floodplain Inundation and Species Habitats at Congaree National Park	15.XXX	(2)
National Park Service, Magnitude and Pattern of Floodplain Sedimentation in the Bates Fork Tract, Congaree National Park - CESU	15.XXX	6,462
Neodymium (Nd) Isotope Analysis of Pliocene Fossil Fish Teeth from Atlantic Sediment Cores	15.XXX	14,241
Sediment Trapping Program in the Gulf of Mexico	15.XXX	15,411
Pass thru National Park Service, Climate Change-Induced Changes in Flow Regime, Floodplain Inundation and Species Habitats at Congaree National Park	15.XXX	55,473
Total U.S. Department of Interior		377,954
U.S. Department of Justice		
Continuing Support of the National Estuarine Research Reserve System Centralized Data Management Office	11.420	18,659
Carolinas Integrated Sciences and Assessments	11.431	469,901
The Collection and Analysis of New Data for Age, Growth, and Reproduction and the Comparison with Data from 1992-1997	11.433	25,296
Building Bridges between Police Researches and Practitioners: Agents of Change in a Complex World	16.560	4,335
Evidence-Based Solutions to Reduce Law Enforcement Officer Vehicular Crashes	16.560	74,415
Evaluation of Statistical Measures for Fiber Comparisons: Interlaboratory Studies and Forensic Databases	16.560	20,000
Multimode Imaging in the Thermal Infrared: Validation for Blood, Extension to Latent Prints	16.560	180,923
The Impact of Incarceration on Families: A Single-Jurisdiction Pilot Study Using Triangulated Administrative Data & Qualitative Interviews	16.560	183,142
		462,815
Evidence Based Solutions to Reduce Law Enforcement Officer Vehicular Crashes	16.754	139,395
Validation of Forensic Characterization and Chemical Identification of Dyes Extracted from Millimeter-length Fibers	16.XXX	118,229
Total U.S. Department of Justice		1,234,295
U.S. Department of State		
University of South Carolina Journalism School Partnership Project with the Caucasus School of Journalism and Media Management	19.000	174,178
Total U.S. Department of State		174,178
U.S. Library of Congress		
National Film Preservation Foundation, Basic Film Preservation Grant: Frontier Post	42.XXX	6,975
Total U.S. Library of Congress		6,975
National Aeronautics and Space Administration		
The Chapman Conference Remote Sensing of the Terrestrial Water Cycle Kona, Hawaii February 20-24, 2012	43.001	(2,002)
New Approaches to understanding the MJO using Satellite Altimetry and Aquarius Salinity in the Tropical Oceans	43.001	6,484
ICESCAPES 2011-2014	43.001	40,804
Unmanned Aircraft Systems (UAS) Research: The AG Channel, Robust Waveforms, and Aeronautical Network Simulations	43.001	141,521
Downscaling of Passive Microwave Soil Moisture Using Vegetation and Surface Temperature	43.001	166,416
		353,223
Physiological Impacts of Climate Change Using Remote Sensing	43.009	47,000
Physiological Impacts of Climate Change Using Remote Sensing	43.009	91,069
Physiological Impacts of Climate Change Using Remote Sensing	43.009	336,040
		474,109
Star Formation and Molecular Gas in Distant Galaxies: SPIRE Spectroscopy of Quasar Absorption Systems	43.XXX	1,793
Pass-through The Humanities Council of SC/Jewish Children's Literature and the Work of Anita Lobel	43.XXX	1,500
Rings of Fire: A Spitzer IRAC Study of Polar Ring Galaxies	43.XXX	5,100
Pass thru California Institute of Technology, Molecules in the Distant Universe: Herschel Spectroscopy of Damped Lyman-alpha Quasar Absorbers	43.XXX	33,330
Space Telescope Science Institute, Sub-damped Lyman-alpha Absorbers at z < 0.6: An Unexplored Terrain in the Quest for Cosmic Metals	43.XXX	40,869
Pass-through Jet Propulsion Laboratory (JPL), Mapping Dust in Galaxies with Spitzer IRAC Imaging of Back-lit Galaxy Pairs	43.XXX	2,936
Pass thru Baylor College, Pressure Swing Adsorption Technology for Spaceflight Medical Oxygen Concentrators	43.XXX	144,814
Total National Aeronautics and Space Administration		1,057,674
National Endowment for the Arts and the Humanities		
Community Voices: A Survey of SC Tradition Bearers	45.024	20,171
An Open Source Application for Image-Based Digital Reproduction of Optical Film Sound	45.149	5,763
Fox Movietone News Digitization Project, Phase I	45.149	121,627
South Carolina Newspaper Digitization Project	45.149	140,807
		268,197

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Federal Grantor/Pass-Through Grantor/Agency	Federal CFDA Number	Federal Expenditures
Making the Digital Humanities More Open: NEH Start Up, Level 2	45.169	15,364
PARAGON: Intelligent Digital Collation and Difference Detection	45.169	40,574
PARAGON: Intelligent Digital Collation and Difference Detection	45.169	70,844
		126,782
McKissick Museum: Natural Science Collections Inventory & Cataloging Project	45.301	16,443
Trees and Tweets: Mining Billions to Understand Human Migration and Dialect Variation	45.312	38,923
Lift Every Voice: Capturing and Teaching Civil Rights History	45.312	54,156
		93,079
Cultural Heritage Informatics Leadership (CHIL): An Experiment in Responsive Doctoral Studies	45.313	209,031
Total National Endowment for the Arts and the Humanities		733,703
National Science Foundation		
Collaborative Research: CIC (SEA): Using the Cloud to Model and Manage Large Watershed Systems	47.040	37,630
CAREER: Diagnostics and Prognostics of Electric Cables in Aging Power Infrastructure	47.041	(392)
REU Site: Biomolecular and Biomechanical Interactions	47.041	52
REU Supplement: Lime-Stabilized Earth Blocks with Recycled Plastic Reinforcement for Hazard Resilience	47.041	138
Collaborative Research: Phase Behavior and Reactivity of a Hygroscopic System	47.041	721
Flexible Core/Shell Nanocable - Carbon Microfiber Hybrid Composite Electrodes for High-Performance Supercapacitors	47.041	974
CAREER: InN Nanowire Based Multifunctional Nanocantilever Sensors	47.041	1,211
Collaborative Research: Center for Fuel Cells: a Multi-University I/UCRC	47.041	1,841
GRDS: CAREER: InN Nanowire Based Multifunctional Nanocantilever sensors	47.041	2,315
REU SITE: Collaborative Research: International REU Program in Smart Structures	47.041	2,332
Influence of Diameter and Chirality of Single-walled Carbon Nanotubes on Their Fate and Effects in the Aquatic Environment	47.041	3,562
REU Supplement - GOALI: Scientific Syntheses of Bimetallic Catalysts	47.041	4,200
I-Corps: Fluorogenic Dyes and Fluorogenic Linkers as Enabling Tools for Bioconjugation Technology	47.041	4,496
Collaborative Research: Pattern Transfer Nanomanufacturing with Magnetically-recorded Nanotemplates	47.041	5,000
I/UCRC Fundamental Research: Gallium Nitride Optical Isolation for Wide Bandgap Power Electronic Systems: RET/V Supplement	47.041	8,356
I/UCRC Fundamental Research: Gallium Nitride Optical Isolation for Wide Bandgap Power Electronic Systems	47.041	8,448
GRS: CAREER: InN Nanowire Based Multifunctional Nanocantilever Sensors	47.041	8,711
Manufacturing of Carbide Nanowire-Carbon Microfiber Hybrid Structures and Polymer Composites from Cotton Textiles	47.041	9,807
REU Supplement: Novel Beam Steering Apertures and Waveforms for High Capacity Broadband Wireless Nodes	47.041	10,303
REU Supplement: Nanoelectromechanical Uncooled Infrared Sensor Using Epitaxial Graphene	47.041	14,642
BME: Engineering the Surface Chemistry of Nanoparticles: A Two-Staged Attack on Infection Biofilms	47.041	17,212
Pass thru Purdue University, Service Activities for NEES Simulation Sub-Committee	47.041	18,664
Collaborative Research: Mixed Ionic Electronic Conducting Cathodes for Intermediate Temperature Solid Oxide Fuel Cells	47.041	21,069
Influence of Diameter and Chirality of Single-walled Carbon Nanotubes on Their Fate and Effects in the Aquatic Environment	47.041	23,483
Rapid: Field Data on Levee Breaches	47.041	24,753
Collaborative Research: Resilient and Sustainable Engineered Fiber-Reinforced Earthen Masonry for Windstorm Regions	47.041	24,803
REU-CAREER: Nanowire Based Multifunctional Nanocantilever Sensors	47.041	27,204
Collaborative Research: Rational Design of Bifunctional Catalysts for the Conversion of Levulinic Acid to Gamma-valerolactone	47.041	32,043
Novel Solitonic Waveguides Based on Granular Phononic Crystals	47.041	49,806
Simulation of Integrated Urban Infrastructure Systems using Component-based Modeling	47.041	50,705
Integrating Multi-physicochemical Processes Induced Stresses to Study Structural Reliability for Solid Oxide Fuel Cells	47.041	66,760
CAREER: Smart RF/Microwave Components Using Nano-Film Slow Wave Elements	47.041	71,331
Collaborative Research: Pattern Transfer Nanomanufacturing with Magnetically-Recorded Nanotemplates	47.041	74,391
Synergistic Modeling: Manufacture and Design of 'Nano' Microstructures	47.041	74,646
Efficient Unconventional Computing with Adaptable Memory Circuit Elements	47.041	74,968
Exact Modeling of Power and Energy Transduction for Optimum Design of Structurally-Integrated Thin-Film Active Sensors	47.041	76,684
GOALI: A Scientific Synthesis of Bimetallic Catalysts	47.041	80,361
NUE: Nano in a Global Context for Engineering Students	47.041	81,739
CAREER: InN Nanowire Based Multifunctional Nanocantilever Sensors	47.041	88,433
CAREER: Hydrothermal Carbonization of Mixed Feedstocks: Implications for Sustainable Waste Management	47.041	93,869
Epitaxial Graphene	47.041	120,241
Pollutant Formation During Oxy-Combustion of Coal	47.041	126,909
Novel Beam Steering Apertures and Waveforms for High Capacity Broadband Wireless Nodes	47.041	158,051
Biomechanics of Arterial Tissue Failure at Multiple Length Scales	47.041	164,811
Development of High Performance Cathode for Intermediate-Temperature Solid Oxide Fuel Cells via Impregnation	47.041	174,731
GOALI: Low Dislocation Density Semi-polar III-Nitride Substrates for Polarization Free Ultraviolet Light Emitting Diodes	47.041	215,375
		2,119,759

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Federal Grantor/Pass-Through Grantor/Agency	Federal CFDA Number	Federal Expenditures
Acquisition of a Computer Cluster for Wide Range Chemical Applications and Education	47.049	(1,085)
Southeastern Number Theory Meetings	47.049	(585)
Pass thru Catholic University: Development of a Complete Kaon Detection System for Hall C at 12 GeV Jlab	47.049	562
Extremal and Probabilistic Combinatorics II	47.049	595
CUORE and MAJORANA: Next generation Neutrino-Less Double-Beta Experiments	47.049	2,738
Support of Dark Matter Silver Jubilee Symposium	47.049	5,000
Harmonic Mass Forms	47.049	6,366
Informative Model Specification Tests Using Coarsened Data	47.049	7,711
Combinatorial Quasirandomness and its Applications	47.049	13,672
Synthesis of Functional Composite Nanofibers Templated by 1D Self-assembly of Tobacco Mosaic Virus	47.049	14,175
CAREER: Development of Hierarchical Plant Virus Assemblies	47.049	15,652
Processing an Additional Quantity of Ge-76 for the Majorana Demonstrator	47.049	16,336
Development and Analysis of Fast Numerical Methods for Fractional Diffusion and Advection-Diffusion Equations	47.049	19,886
Materials World Network: Ceramic Anode-Supported Solid Oxide Fuel Cells with High Performance and Tolerances towards Carbon Deposition and Sulfur Poisoning	47.049	21,811
Mathematical Modeling and Computational Studies for Cell Signaling	47.049	28,077
A Molecular Balance for Studying the Non-Covalent Interactions of Aromatic Surfaces	47.049	35,604
Pass thru Columbia University, Designed Interfaces on Nanoparticles via RAFT Polymerization	47.049	35,893
Banach Spaces with Applications to Compressed Sensing and Greedy Convergence	47.049	36,798
Homological and Positive Characteristic Questions in Commutative Algebra	47.049	39,744
Representation and Approximation of Functions in Nonclassical and Anisotropic Settings with Applications	47.049	42,485
Programmable Polymers Based on Restricted Rotation	47.049	42,796
CAREER: Spin-Polarized Currents in Nanostructures	47.049	50,915
Zeta Functions and the Distribution of Field Discriminants	47.049	53,330
Numerical Improvements, Mesh Adaptation and Parameter Identification for Parallel Finite Element Stokes Ice Sheet Modeling	47.049	53,966
Mechanistic Studies of Oxygen Electrodes with Simultaneous High Activity and Stability for Solid Oxide Fuel Cells	47.049	59,194
Natural Resin Acid-Containing Antimicrobial Materials: Synthesis and Mechanism	47.049	60,485
Recurrent Events, Dynamic Reliability Models, and Multiple Decision-Making with High-Dimensional Data	47.049	70,246
CUORE/CUORE-0 and Majorana:Next Generation Double-Beta Decay Experiments	47.049	71,915
Ligand Design for Molecular and Supramolecular Control of the Structures of Metal Complexes: Investigations of Unusual Magnetic Properties	47.049	74,787
Development of Correlation Operator Approach to Model Electron Correlation	47.049	75,220
Natural Resin Acid-Containing Antimicrobial Materials: Synthesis and Mechanism	47.049	80,368
Greedy Approximation in Banach Spaces and Compressed Sensing	47.049	81,644
Purification of the Ge-76 for the Majorana Demonstrator	47.049	84,332
Synthesis of Polynuclear Transition Metal - Heavy Main Group Metal Carbonyl Complexes for Use as Next-Generation Multimetallic Heterogeneous Nano-Catalysts	47.049	94,307
Career: Renewable Polymers and Composites Derived from Hydrocarbon-Rich Natural Rosin	47.049	96,613
ATD Collaborative Research: Theory and Algorithms for High Dimensional Learning	47.049	101,272
Collaborative Research: Spectral Diagnostics of Heavy Elements at High Redshift	47.049	105,401
Ilaborative Research: Experimentally Guided Mathematics for the Mechanochemistry of Cell Shape Dynamics	47.049	113,677
Theoretical Studies of Hadronic and Nuclear Dynamics	47.049	126,896
CAREER: Asymmetric Silylation of Secondary Alcohols and Mechanistic Investigations	47.049	128,310
Rational Design of Selective Hydrodeoxygenation Catalysts for Organic Acids	47.049	150,229
CAREER: Approximate Description of Nuclear Quantum Effects Applicable to Large Molecular Systems	47.049	162,838
Cationic Cobaltocenium Polyelectrolyte Polymers: Synthesis, Self-Assembly and Utilities	47.049	163,308
Multidimensional Incoherent Spectroscopy for Measuring Condensed-Phase Dynamics	47.049	220,865
CUORE: Phase I Construction and Crystal Bolometer Research and Development	47.049	280,469
The Study of Nuclear Physics with Intermediate Energy Probes	47.049	509,948
		3,454,766
Collaborative Research: Stable Strontium Isotope Ratios (88/86Sr) in Abiotic and Microbially Mediated Barite	47.050	(12,350)
Collaborative Research: Volcanic Eruptions on the Galapagos Spreading Center	47.050	(78)
Nd Isotope Distribution: Sources, Sinks and Internal Cycling	47.050	4
Environmental Signal Analysis: Monitoring the Impacts of Climate Change on Rocky Intertidal Ecosystem	47.050	165
Research Experiences for Undergraduates and Research Experiences for Teachers-Supplement	47.050	487
Pass thru Marine Biological Laboratory, Plum Island Ecosystem LTER	47.050	1,451
Collaborative Research: Measurement and Modeling of Aerodynamic Interactions between Tree-Sway Motion and Turbulence	47.050	2,056
Sensors for Characterization of Phytoplankton Size and Taxonomic Composition Using Spectral Fluorescence Signatures	47.050	4,465
Pass thru IRIS: REV & US Array Monitor Maintenance	47.050	12,422
Collaborative Research: US GEOTRACES Pacific Zonal Transect: Rates of Supply, Removal and Internal Cycling of Trace Elements and Isotopes	47.050	17,276
Channel Properties Where Fluvial and Tidal Currents Meet	47.050	24,390
Collaborative Research: Climate Warming and Northern Peatland Decomposition, Accumulation and Carbon Sequestration	47.050	25,132
Trace-Metal Isotopes in Atlantic Seawater and Particles from Geotraces Transects A03 and A10	47.050	33,846
Collaborative Research: Water Stratigraphy of the Oceanic Lithosphere Using Mantle Xenoliths from Hawaii	47.050	36,653

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CMG Collaborative Research: Advanced Computational Models for Geological Storage of Carbon Dioxide	47.050	42,720
Collaborative Research: Chemical and Biological Characterizations of Phosphonate and Polyphosphate Dynamics in Marine Phytoplankton	47.050	44,531
RAPID: Collaborative Research: HF Radar Surface Current Measurements in Support of Constraining Shelf Edge EXchange in the SAB under Wind, Tidal and Gulf St	47.050	49,204
Modeling of Flow and Morphodynamics of Sinuous Submarine Channels	47.050	62,130
Monitoring the Impacts of Climate Change on Rocky Intertidal Ecosystem across a Cascade of Scales	47.050	71,668
The PIE-LTER: Interactions Between External Drivers, Humans and Ecosystems in Shaping Ecological Process in a Mosaic of Coastal Landscapes and Estuarine Seascapes.	47.050	79,414
Collaborative Research: Plankton Community Composition and Interaction	47.050	86,564
REU: Site: Marine Biogeochemistry at the University of South Carolina	47.050	102,225
CDI-TYPE I: Intertidal Sensor Networks for Climate Change Studies in Intertidal Ecosystems	47.050	110,237
Sensors for Characterization of Phytoplankton Size and Taxonomic Composition Using Spectral Fluorescence Signatures	47.050	117,487
Linking Variation in Metabolic Processes as a Key to Prediction	47.050	141,675
Climate Change and Biogeography: Effects of Extreme Events	47.050	156,336
Collaborative Research: The Cariaco Basin Oceanographic Time Series Program	47.050	161,232
Seeking Hidden Glaciation of the Greenhouse World	47.050	185,819
GEOTRACES Pacific Section: Dissolved Fe, Cd, and Zn Isotopes	47.050	205,316
The Microbial Carbon Pump and Bacterial Carbon Sequestration in the Ocean	47.050	213,464
		1,975,941
Channel Properties Where Fluvial and Tidal Currents Meet	47.055	70,330
REU Supplement - TC: Small: Dynamic Early Filtering of Botnet Garbage Traffic	47.070	469
REU Supplement - RI: Small: 3D Nonrigid Object Reconstruction from Large-Scale Unorganized 2D Images	47.070	1,500
AF: Small: Computational Complexity from Physical Constraints	47.070	2,615
RI: Small: 3D Nonrigid Object Reconstruction from Large-Scale Unorganized 2D Images	47.070	3,280
CAREER: THAWS--Towards Highly Available Wireless Services (REU Supplement)	47.070	6,734
REU Supplement: CAREER: Design Automation for High-Performance Reconfigurable Computing	47.070	8,974
PHY-Informed Networking (PHY-IN): Rethinking Wireless Protocol Design with the Knowledge of PHY	47.070	13,843
TC: Small: Dynamic Early Filtering of Botnet Garbage Traffic	47.070	17,119
SHB:Type II(INT):Collaborative Research: Creating Learning Systems with Mobile Technology to Improve Coordination in Perioperative Services	47.070	32,541
SHB:Type II(INT):Collaborative Research: Creating Learning Systems with Mobile Technology to Improve Coordination in Perioperative Services	47.070	32,670
CAREER: Towards Multimodal and Multialgorithm Facial Activity Understanding by Audiovisual Information Fusion	47.070	53,224
CAREER: Design Automation for High-Performance Reconfigurable Computing	47.070	57,207
CAREER: THAWS--Towards Highly Available Wireless Services	47.070	73,911
REU Site: Multidisciplinary Research in Secure Computing	47.070	83,647
CAREER: Algorithms for Minimalist Robot Teams	47.070	93,828
III: Medium: Collaborative Research: Developing a 3D Browser to Explore Genomes	47.070	153,639
		635,201
REU: Characterization of a Novel Nickel Metalloregulatory Protein, YqjI	47.074	2,800
REU: The Role of Host Proteins in HC-Pro Suppression of Silencing	47.074	5,103
Inventory of Ten Historic Site Locations	47.074	10,938
QuasiNovo: An Information Theoretic Approach to De Novo Peptide Sequencing	47.074	12,771
Collaborative Research: Integrating Iron Uptake and Distribution in Plants	47.074	29,670
QuasiNovo: An Information Theoretic Approach to De Novo Peptide Sequencing	47.074	41,255
The Role of Host Proteins in HC-Pro Suppression of Silencing	47.074	56,707
LTREB: Long Term Studies of Salt Marsh Primary Production	47.074	84,926
Career: Linking Microbial Phylogenetic and Functional Gene Diversity to Microbial Mat Ecosystem Function Following Environmental Disturbance	47.074	119,007
Regulation of Genetic Recombination in Mammals	47.074	163,699
FSML: Imaging Instrument Array for Coastal Landscape and Ecosystem Analysis at the Baruch Marine Field Laboratory, University of South Carolina	47.074	171,871
Characterization of a Novel Nickel Metalloregulatory Protein, YqjI	47.074	172,791
		871,538
Theories of Sentence Processing and the Neuroscience of Language: Special Session at the 2013 CUNY Conference on Human Sentence Processing	47.075	(43)
Doctoral Dissertation Research: The Impact of Paper Versus Digital Map Technology on Students' Spatial Thinking Skill Acquisition	47.075	1,192
REU Supplement- Collaborative Research: Small-Scale Variability in Aeolian Sand Transport	47.075	1,543
REU: The Logic of Collective Action in Large Groups	47.075	1,849
Doctoral Dissertation Research: Social Status and Performance on Mental Ability Tests	47.075	2,119
Doctoral Dissertation Research: Youth Citizenship, Civic Education, and Spaces of Belonging in a Multicultural Nation	47.075	2,479

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Self-Regulation: Effectiveness, Regulatory Holiday and Third Party Certification	47.075	5,111
Collaborative Research: Places of Worship and the Politics of Citizenship: Immigrants and Communities of Faith in the New South	47.075	7,875
The Neural Basis of Processing Discourse Reference	47.075	17,483
Deltaic Resilience and the Genesis of Mesopotamian Cities (Iraq)	47.075	28,707
the Logic of Collective Action in Large Groups	47.075	39,047
Gaze Control during Scene Viewing: Behavioral and Computational Approaches	47.075	46,156
CAREER: African American Father Engagement and Early Adolescents' Academic and Social Adjustment	47.075	47,312
DRRC: Baseline Indicators for Monitoring Disaster Resilience in Rural Places	47.075	55,272
Web-based Tools for Developing and Accessing Sociological Theory	47.075	56,213
Extracting and Understanding Complex Patterns in Spatial Interactions	47.075	69,936
REU Sites: Summer Research Experience in Brain and Cognitive Sciences	47.075	75,159
Material Transformation and Community Creation at the Etowah Site, Georgia	47.075	75,327
		532,737
Collaborative Research: STEM Real World Applications of Mathematics	47.076	4,233
University of South Carolina Science and Mathematics Teachers Initiative (USC-SMTI)	47.076	5,713
ADVANCE IT-Catalyst Advancing USC STEM Faculty	47.076	30,429
Pass thru University of Wisconsin, USCA Cognitive Neuroscience Learning Community	47.076	41,251
Collaborative Research: Maplets for Calculus (M4C)	47.076	49,745
Collaborative Research: Implementing and Assessing Strategies for Environments for Fostering Effective Critical Thinking (EFFECTS) Development and Implementation	47.076	60,076
SC Graduate Steps to STEM	47.076	128,026
SC STEPs to STEM	47.076	164,293
University of South Carolina Science and Mathematics Teachers Initiative (USC-SMTI)	47.076	332,551
		816,317
COLLABORATIVE RESEARCH: EAGER: Evaluating the Larsen basin's suitability for testing the Cretaceous Glaciation Hypothesis	47.078	67,165
Ocean Acidification Category 1: Identifying Adaptive Responses of Polar Fishes in a Vulnerable Ecosystem	47.078	115,043
		182,208
US Egypt Cooperative Research: Luminescent Molecularly Imprinted Polymer Sensor Arrays	47.079	45,943
PIRE: Modeling of Flood Hazards and Geomorphic Impacts of Levee Breach and Dam Failure	47.079	238,365
		284,308
Pass thru University of North Carolina, DataNet Federation Consortium	47.080	10,315
An Interactive Software Infrastructure for Sustaining Collaborative Community Innovation in the Hydrologic Sciences	47.080	30,957
		41,272
Linking Infaunal Hydraulic Activities, Porewater Flow and Biogeochemical Processes in Marine Sediments*	47.082	(296)
NeTS: Small: Collaborative: Transmission Re-Ordering in Wireless Networks: Protocols and Practice".	47.082	(10)
Collaborative Research: I/UCRC for Grid-Connected Advanced Power Electronic Systems (REU Supplement)	47.082	2,890
Collaborative Research: I/UCRC for Grid-Connected Advanced Power Electronic Systems	47.082	3,142
Collaborative Research: Understanding Whole-genome Evolution through Petascale Simulation	47.082	6,546
The Study of Nuclear Physics with Intermediate Energy Probes	47.082	7,457
Novel Experimental and Theoretical Approaches to Understanding Biomechanics of Atherosclerotic Plaque Rupture	47.082	7,938
Collaborative Renewal Proposal: NSF Center for Friction Stir Processing I/UCRC (REU Supplement)	47.082	9,450
CAREER: Integrated Modeling for Watershed Management	47.082	21,763
Damped and Sub-damped Lyman-alpha Absorbers: What Are They, and What Do They Tell Us About Galaxy Evolution	47.082	22,809
Regulation of Meristem Function by all Proteins	47.082	50,379
CAREER: Cooperative Human-Computer Model Updating Cognitive Systems (MUCogS)	47.082	83,990
CAREER: Computational Analysis and Prediction of Genome-wide Protein Targeting Signals and Localizations	47.082	114,998
		331,056
Ocean Acidification- Category 1: Real Time Assessment of Ocean Acidification Proxies and Their Incorporation in the Marine Sediment record	47.050	110,651
NeTS: Small: Collaborative: PHY-Informed Networking (PHY-IN): Rethinking Wireless Protocol Design with the Knowledge of PHY	47.070	41,894
Pass thru Winthrop University, Winthrop Initiative for STEM Educators (WISE)	47.XXX	4,806
Total National Science Foundation		11,510,414
Environmental Protection Agency		
Targeted High-Content Imaging Assessments of Aberrant G-Protein-Coupled Estrogen Receptor (GPER) Activation During Vertebrate Embryogenesis	66.509	293,689
Pass thru University of Georgia, GA/SC University Partnership for Environmental Radiation Protection	77.006	376
Total Environmental Protection Agency		294,065

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Federal Grantor/Pass-Through Grantor/Agency	Federal CFDA Number	Federal Expenditures
Nuclear Regulatory Commission		
Pass thru UGA GA/SC University Partnership of Environmental Radiation Protection	77.006	17,397
University of South Carolina Next Generation Nuclear Engineer Fellowship Program	77.008	68,339
A Course on Risk Analysis with Application to the Current and New Nuclear Plants and Fuel Cycle Facilities	77.XXX	28,850
University of South Carolina Nuclear Engineering Faculty Excellence Program	77.XXX	173,725
Total Nuclear Regulatory Commission		288,311
U.S. Department of Energy		
Accurate Holdup Calculations with Predictive Modeling & Data Integration	81.000	120,855
Structure-Composition-Property Relationships of Complex Bismuth Oxide Based Photocatalysts	81.049	12,156
Pass thru University of Florida, Controlling Structural Electronic and Energy Flow Dynamics of Catalytic Processes	81.049	43,498
Science Based Nano-Structure Design and Synthesis of Heterogeneous Functional Materials for Energy Systems	81.049	45,270
Fundamental Neutron Physics: Theory and Analysis*	81.049	61,809
Predicting Ice Sheet and Climate Evolution at Extreme Scales (PISCEES)	81.049	80,381
Science Based Nano-Structure Design and Synthesis of Heterogeneous Functional Materials for Energy Systems	81.049	91,296
Theoretical Investigation of Heterogeneous Catalysis at the Solid Liquid Interface for the Conversion of Lignocellulosic Biomass Model Molecules	81.049	159,490
Science-based Nano-structure Design and Synthesis of Heterogeneous Functional Materials for Energy Systems	81.049	169,594
Science Based Nano-Structure Design and Synthesis of Heterogeneous Functional Materials for Energy Systems	81.049	172,527
Science Based Nano-Structure Design and Synthesis of Heterogeneous Functional Materials for Energy Systems	81.049	205,453
Theoretical Investigation of Heterogeneous Catalysis at the Solid Liquid Interface for the Conversion of Lignocellulosic Biomass Model Molecules	81.049	12
A Synthetic Strategy to Prepare New Complex Uranium and Thorium Containing Oxides: Predictive Solid State Synthesis of New Composition using Radius Ratio Rules and Materials Discovery based on Crystal Growth from High Temperature Solutions	81.049	282,718
Science Based Nano-Structure Design and Synthesis of Heterogeneous Functional Materials for Energy Systems	81.049	1,620,827
		2,945,031
University of South Carolina Aiken Biofuels Laboratory in Aiken, SC	81.087	97,606
Pass thru Giner Electrochemical Systems, Topic 4A Transport Studies in Modeling in PEM Cell Stack	81.087	129,474
Development of Ultra Low Platinum Alloy Cathode Catalyst for PEM Fuel Cells	81.087	616,070
		843,150
High Performance and Stable Pr2NiO4 as the Cathode for Solid Oxide Fuel Cells	81.089	45,443
Nuclear Engineering Scholarship and Fellowship Program (NEUP)at USC	81.121	44,560
DOE Nuclear Engineering Scholarship and Fellowship Program at USC	81.121	50,534
		95,094
Geologic Characterization of the South Georgia Rift Basin for Source Proximal CO2 Storage	81.134	14,886
Geologic Characterization of the South Georgia Rift Basin for Source Proximal CO2 Storage	81.134	987,363
		1,002,249
Pass thru Los Alamos: Using RULLI for Salt Marsh Bathymetry	81.XXX	(2,322)
Pass thru UT Battelle, Fabrication of Dual SERS/SEIRA Sensors for DOE Applications	81.XXX	247
Optimization of the Dual SERS/SEIRA Sensors for ORNL Applications	81.XXX	3,629
Pass thru Los Alamos National Laboratory, Understanding the Structure-Property Relationships in Polybenzimidazole Films for High-Temperature Gas Separations	81.XXX	3,931
DIRC-based PID for the EIC Central Detector	81.XXX	12,856
Pass thru UT-Battelle ODS Steel Consolidation by Friction Extrusion: Phase 2	81.XXX	15,972
Pass thru Univ of Tennessee: Microstructure and Property Evolution in Advanced Cladding Under Long-Term Temperature Irradiation	81.XXX	53,660
Pass thru Jefferson Science Associates, Assembly and Testing of the Forward Time-of-Flight Panel-1b For CLAS12	81.XXX	77,929
High Hydrogen content Epitaxial Graphene Hydride on SiC & High Cross-Section Cladding Coatings for Fast Neutron Detection	81.XXX	133,441
Pass thru Battelle Energy Alliance, Novel Methods of Tritium Sequestration: High Temperature Gettering and Separation		
Membrane Materials Discovery for Nuclear Energy Systems	81.XXX	153,029
Enriched Boron-Doped Amorphous Selenium Based Position-Sensitive Solid-State Thermal Neutron Detector for MPACT Applications	81.XXX	261,576
Pass thru National Renewable Energy Lab, Topic 3C-Effect of System and Air Contaminants on PEMFC Performance	81.XXX	300,000
Area of Interest B2: Bench-Scale Development and Testing of Rapid PSA for CO2 Capture	81.XXX	610,484
Total U.S. Department of Energy		6,676,254

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U.S. Department of Education		
Student Support Services (Grant-in-Aid)	84.024	10,000
Student Support Services (SSS) - GRANT-IN-AID	84.042	9,649
Student Support Services 2010-2015 (Grant-in-Aid)	84.042	10,225
Student Support Services Program - Grant-in-Aid	84.042	20,000
Student Support Services 2010-15 Grant-in-Aid	84.042	31,954
Student Support Services	84.042	34,101
Student Support Services 2010-2015	84.042	39,293
Student Support Services 2010-2015	84.042	177,545
Student Support Services	84.042	205,494
Student Support Services (SSS)	84.042	228,796
USC Union Student Support Services	84.042	232,844
Student Support Services 2010-15	84.042	248,599
Student Support Services, University of South Carolina	84.042	287,889
		1,526,389
USC Lancaster Upward Bound	84.047	259,241
University of South Carolina Columbia Upward Bound Program	84.047	545,178
		804,419
Long Term Training: Vocational Rehabilitation	84.129	154,044
Investigating Environment Factors Affecting Community Integration	84.133	10,934
GAAN Program in the Department of Biological Sciences	84.200	33,890
Graduate Assistance in Areas of National Need Program (GAANN)	84.200	114,673
Graduate Assistance in Areas of National Need (GAANN) Fellowship Program - Chemistry	84.200	150,420
		298,983
FY 2010 Application for New Awards under the Centers for International Business Education	84.220	159,040
The Possibilities Are Endless: Promoting Braille Throughout South Carolina	84.235	100,711
Pass thru Lehigh University, Center for Adolescent Research in Schools (CARS)	84.324	154,230
Behavioral and Emotional Screening System for Early Identification of Emotional and Behavioral Problems in Preschool	84.324	296,945
Mediators of Social Impairment among Children with ADHD	84.324	486,579
		937,754
Preparing School Counselors as Related Service Providers for Children and Youth Disabilities	84.325	10,355
Preparation of Early Childhood Special Education (ECSE) Personnel in South Carolina	84.325	36,463
Preparation of Leadership Personnel: Project PALEEIS	84.325	64,840
Preparation of Leadership Personnel: Project SPEARTIP	84.325	70,664
Special Education Preservice Improvement 84.325T	84.325	74,721
Paraprofessionals Preservice Improvement Grant	84.325	133,558
		390,601
Child Care Access Means Parents in Schools (CCAMPIS) 2009	84.335	8,267
2012-2013 SEED Teacher Leadership Development Grant	84.367	(2,899)
2012-13 Teacher Leadership Development Grant for Local NWP Sites - Midlands Writing Project	84.367	612
Pass-through National Writing Project, 2014-16 NWP SEED Teacher Leadership Development Grant-Midlands Writing Project	84.367	2,297
Spartanburg Writing Project Title II NWP SEED Grant Teacher Leadership Development Proposal	84.367	3,076
National Writing Project 2013-14 SEED PD in a High-Need School Grant Proposal	84.367	9,658
Pass-through National Writing Project Aiken Writing Project SEED PD	84.367	13,323
Pass-through National Writing Project, Spartanburg Writing Project Title II NWP SEED Grant Teacher Leadership Development Proposal (Supporting Effective Educator Development Grant Program)	84.367	19,310
Total U.S. Department of Education		4,446,519
U.S. Department of Health and Human Services		
Food and Drug Administration, South Carolina Opioid Safety Initiative	93.103	(232)
Antibiotics Received in the First Year of Life and Odds of Food Allergy in Children	93.110	652
Microencapsulation of Oocytes for Low-CPA (cryoprotectant) Vittrification	93.110	4,944
		5,596

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Schedule of Expenditures of Federal Awards

Federal Grantor/Pass-Through Grantor/Agency	Federal CFDA Number	Federal Expenditures
Pass thru University of Maryland, Use of a Community-University Partnership to Eliminate Environmental Stressors	93.111	72,921
The Role of COX-2 in Skeletal Development and Osteoarthritis	93.113	(1,849)
Mercury Exposure and the Innate Immune Response in Autoimmune Heart Disease	93.113	(65)
Free Radical Mechanism in Obesity Potentiation of Environmental Hepatotoxicity	93.113	5,570
Methods to Detect Maternal Exposures and Child Outcomes	93.113	23,325
Methods to Detect Maternal Exposures and Child Outcomes	93.113	32,179
Methods to Detect Maternal Exposures and Child Outcomes	93.113	44,313
Assessment of Health Services Needs Pre- and Post-Disaster in Rural SC	93.113	56,651
Pass thru Tulane, Long-Term Lung Health After Exposure to Chlorine Gas	93.113	63,399
Air Pollution, Subclinical CVD and Inflammatory Markers in the SEARCH Cohort	93.113	125,472
		348,995
Integrative Medicine to Advance Curricula in Preventive Medicine Residencies	93.117	94,322
Nurse Anesthetist Traineeship 2012	93.124	17,513
Health Promotion and Disease Prevention Research Centers (Nat'l PA)	93.135	3,250
Design, Implementation and Evaluation of a National Quitline Registry to Enhance Smoking Cessation in the United States	93.135	21,755
SIP-09-027 Healthy Aging Research Network Collaborating Center	93.135	29,728
SIP-09-028 Evaluation of a Self-directed, Packaged Physical Activity Program for Adults with Arthritis	93.135	41,919
SIP-09-027 Healthy Aging Research Network Collaborating Center	93.135	68,438
Health Promotion and Disease Prevention Research Centers (Center)	93.135	89,434
SIP 13-073: Design, Implementation and Evaluation of a National Quitline Registry to Enhance Smoking Cessation in the United States	93.135	96,919
Health Promotion and Disease Prevention Research Centers (PAPH)	93.135	118,637
SIP-09-002 South Carolina Cancer Prevention and Control Research Network (SCCPCRN)	93.135	143,753
SIP-09-002 South Carolina Cancer Prevention and Control Research Network (SCCPCRN)	93.135	170,085
Health Promotion and Disease Prevention Research Centers (Research)	93.135	189,663
		973,581
South Carolina HIV/AIDS Clinical Training Center (AETC) Basic Grant	93.145	(189)
South Carolina AETC Telehealth Training Center	93.145	15,963
South Carolina AETC Telehealth Training Center	93.145	203,551
		219,325
Rural Health Research Center Cooperative Agreement 2013-2014	93.155	49,870
Rural Health Research Center Cooperative Agreement	93.155	99,858
Rural Health Research Center Cooperative Agreement 2013-2014	93.155	381,202
		530,930
Neural Predictors of Anomia Recovery in Aphasia	93.173	2,614
Maximizing Speech Recognition Under Adverse Listening Conditions	93.173	6,073
		8,687
Leave No Qualified Nursing Student Behind (Nursing Workforce Diversity)	93.178	89,306
Improving the Health of People with Disabilities through State Based Public Health Programs	93.184	20,439
Three State Rare Conditions Surveillance Project	93.184	72,015
Three State Rare Conditions Surveillance Project	93.184	91,148
Improving the Health of People with Disabilities through State Based Public Health Programs	93.184	101,329
Improving the Health of People with Disabilities through State Based Public Health Programs	93.184	146,483
Three State Rare Conditions Surveillance Project	93.184	220,556
		651,970
SsnB, a Chinese Herb-Derived Selective TLR Antagonist	93.213	(2,626)
Center for CAM Research on Autoimmune and Inflammatory Diseases - Admin. Core	93.213	12,284
Role of Natural Indoles in Experimental Autoimmune Encephalomyelitis	93.213	23,645
Center for CAM Research on Autoimmune and Inflammatory Diseases - Project 3	93.213	56,668
Center for CAM Research on Autoimmune and Inflammatory Diseases - Project 1	93.213	65,293
Center for CAM Research on Autoimmune and Inflammatory Diseases - Immunotox. Core	93.213	66,997
		222,261
Comparative Effectiveness of Group Prenatal Care on Women's Psychosocial Health	93.226	7,260
Chronic Moderate Sleep Restriction in Older Long and Older Average Sleepers	93.233	45,714

South Carolina Research Foundation

Schedule of Expenditures of Federal Awards

Federal Grantor/Pass-Through Grantor/Agency	Federal CFDA Number	Federal Expenditures
The South Carolina Oral Health Safety Net Enhancement Portfolio: Improving Access to Care through Innovative Oral Health Workforce Approaches	93.236	182,038
The South Carolina Oral Health Safety Net Enhancement Portfolio: Improving Access to Care through Innovative Oral Health Workforce Approaches	93.236	325,056
		507,094
Emergence and Stability of Autism in Fragile X syndrome -- Administrative Supplement	93.242	1,017
Emergence and Stability of Autism in Fragile X syndrome -- Administrative Supplement	93.242	17,607
Clinical and Policy Implications of a Statewide Emergency Telepsychiatry Program	93.242	50,464
Amygdalar Neuropeptides and Anxiety	93.242	61,044
Quality, Economic Outcomes and Sustainability of Telepsychiatry (QUEST)	93.242	114,892
Pathways from Food Insecurity to Treatment and Health Outcomes in Women with HIV	93.242	122,793
The Virtual Reality Functional Capacity Assessment Tool (VRFCAT) Validation Study	93.242	144,725
		512,542
South Carolina Poison Center Support and Enhancement Project	93.253	215,290
Alcoholism and Schizophrenia: "Translational Approach to Treatment"	93.273	573
Multigenerational Epigenetic Effects of Cannabis Exposure	93.279	(1,595)
Mediation in Survival and Onset-to-growth Models Applied to Youth Substance Onset	93.279	(1)
Prenatal IV nicotine: Long-term Vulnerability to Stimulant Drugs	93.279	1,090
Pass-through Mount Sinai Medical Center, Multigenerational Epigenetic Effects of Cannabis Exposure	93.279	20,437
Methodological Developments in the Prevention of Adolescent Drug Use	93.279	37,544
Effects of Criminal Justice System Exposure on Youth's Substance Use Trajectories	93.279	67,793
Synaptic Organization of the Basolateral Amygdala	93.279	86,100
		211,368
The South Carolina Study for Adolescents and Young Adults with Rare Conditions	93.283	9,907
South Carolina Study for Adolescents and Young Adults with Rare Conditions	93.283	10,127
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.283	15,308
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.283	29,810
South Carolina Study for Adolescents and Young Adults with Rare Conditions	93.283	90,356
Project to Learn about Youth-Mental Health (PLAY-MH)	93.283	114,892
The South Carolina Study for Adolescents and Young Adults with Rare Conditions	93.283	117,044
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.283	130,718
South Carolina Study for Adolescents and Young Adults with Rare Conditions	93.283	178,953
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.283	384,533
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.283	798,349
		1,879,997
Coordinating Center of Excellence in Social Promotion of Health Equity Research - Project 3 - Year 2	93.307	(30,615)
Coordinating Center of Excellence in Social Promotion of Health Equity Research - Community Core - Year 2.	93.307	(25,011)
Coordinating Center of Excellence in Social Promotion of Health Equity Research - RET Core- Year 2	93.307	(13,304)
Coordinating Center of Excellence in Social Promotion of Health Equity Research - Administrative Core - Year 2	93.307	(17)
Analysis and Action on the Environmental Determinants of Health and Health Disparities	93.307	101,788
Diet & Activity Community Trial: High-Risk Colon Polyps	93.307	333,858
		366,699
Home-based Exercise for Management of HIV-associated Cardiovascular Disease Risk	93.310	38,164
PASSTHRU Clemson Understanding and Controlling Tissue-specific Vascular Patterning	93.389	(1,862)
SCIENCELAB	93.389	(736)
Pass-through Clemson University, Mechanically guided urological tissue regeneration in vitro based on NIH Center of Biomedical Research Excellence (COBRE) for Tissue Regeneration - year 4	93.389	19,206
Passthrough Clemson University, Biomechanics and Mechanobiology of Atherosclerotic Plaque Failure	93.389	66,275
		82,883

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Schedule of Expenditures of Federal Awards

Federal Grantor/Pass-Through Grantor/Agency	Federal CFDA Number	Federal Expenditures
Targeting Protein Arginine Deiminases to Prevent Colitis and Colon Cancer	93.393	474
Understanding Health Disparities in Cervical Dysplasia and Cancer through the Identification of Novel Biomarkers, SIX1 and EGFR	93.393	3,798
Southern Oncology Network on Adverse Reactions (SONAR) - Focus on Tyrosine Kinase Inhibitors (TKIs).	93.393	3,826
Effects of the Built Environment, Crime and Food Prices on BMI, Activity and Eating	93.393	10,769
Sample Size Method and Software Development in Survival Trial with a Cure Rate	93.393	14,283
Exploring Current Smokers' Interest in Using Smokeless Tobacco Products	93.393	36,650
Reducing Cancer Disparities: Incident Cancer After Colonoscopies by Primary Care Doctors. . .	93.393	53,465
Development of an Innovative Physical Activity Self-report Instrument for Youth	93.393	61,179
		184,444
Stromal Modulation of Response to Thymidylate Synthase Inhibitors (Research Supplement for Nikeya Tisdale	93.395	(589)
Stromal Modulation of Response to Thymidylate Synthase Inhibitors	93.395	3,449
Thymidylate Synthase and Fluorodeoxyuridine Resistance	93.395	38,770
Stromal Modulation of Response to Thymidylate Synthase Inhibitors	93.395	127,809
Cell Cycle Specific CDK Inhibitors as Potential Anti-tumor Therapeutics through Replace	93.395	149,475
		318,914
South Carolina Cancer Disparities Community Network-II (YR3)Pilot Project	93.397	4,894
Pass thru Meharry Medical College, Feasibility of a Multicenter Obesity Reduction Community Trial in Region 2	93.397	5,308
South Carolina Cancer Disparities Network-II (PrCa Supplement)	93.397	9,066
Pass-through Meharry Medical College, A Multi-Center Epidemiologic Study of Breast Cancer in African American Women	93.397	12,163
South Carolina Cancer Disparities Community Network-II (YR3)Admin Core	93.397	33,055
South Carolina Cancer Disparities Community Network-II (YR3)Training Core	93.397	38,875
South Carolina Cancer Disparities Community Network-II (YR3)Community Outreach Core	93.397	52,699
South Carolina Cancer Disparities Community Network-II (YR3)Research Core	93.397	64,265
		220,325
Expanding Mentoring Capacity in High-Risk Populations	93.398	29,735
Health Promotion and Disease Prevention Research Centers: Center Proposal CAT. 1 (Center)	93.542	159,981
Health Promotion and Disease Prevention Research Centers: Center Proposal CAT. 1 (Research)	93.542	178,113
		338,094
Pass-through The Children's Trust of South Carolina, PASOs for Parents Triple P Program (2013-2014)	93.590	37,275
HOME CARE + (Health Care Innovation Challenge)	93.610	36,858
HOME CARE + (Health Care Innovation Challenge Award)	93.610	920,874
		957,732
Pass-through Administration on Developmental Disabilities, Administration on Children and Families, South Carolina University Center for Excellence in Developmental Disabilities	93.632	532,602
Social Networks and Pathways to Transplant Parity for Black Hemodialysis Patients	93.701	4,385
Integrated Recall of Diet and Physical Activity in Children	93.701	3,514
		7,899
CITIA-SC: Creating a Heathier South Carolina through Health Information Technology	93.718	988,035
Physical Activity and Nutrition Intervention in Afterschool Programs	93.837	(33,917)
Physical Activity During the Transition from Elementary School to Middle School	93.837	(13,326)
Suppression of Cardiac Calcium Channels by Acute Hypoxia	93.837	(8,065)
Subaward - ENLACE: A Promotora-Led Physical Activity Intervention Trial for Latinas in Texas	93.837	(1,488)
Electrophysiology of Neonatal and Adult Heart	93.837	(1,311)
A Partnership to Promote Physical Activity and Healthy Eating in AME Churches	93.837	(271)
Chronic Moderate Sleep Restriction in Older Long and Older Average Sleepers (Diversity Supplement - Shell James)	93.837	2,167
Localized Targeting of Matrix Proteases Following Myocardial Infarction	93.837	3,338
The Involvement of IL-12 and IL-27 in Immunity to Mycobacterium Tuberculosis	93.837	5,474
The Role of Fluid Flow in Valvulogenesis	93.837	17,592
Policies to Influence Physical Activity and Nutrition in YMCA Programs	93.837	34,650
Pass-through University of Bristol, Physical Activity and Childhood Obesity (sub-contract)	93.837	313
Children's Dietary Recalls: Prompts, Retention Interval, and Accuracy	93.837	40,189
Monocyte MicroRNA-155 and Atherogenesis	93.837	103,010
Pass thru Vanderbilt University, PCSK9, Lipoprotein Receptors, and Atherosclerosis	93.837	122,462
Children's Dietary Recalls: Prompts, Retention Interval, and Accuracy	93.837	579,231
		850,048

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Federal Grantor/Pass-Through Grantor/Agency	Federal CFDA Number	Federal Expenditures
Contribution of Toll-like Receptors in the Pulmonary Response to Nanoparticles and Pathogens	93.838	25,969
A Translational Approach to Heterogeneity of Pain in Pediatric Sickle Cell Anemia	93.839	2,769
Intervention to Improve Quality of life for African-American lupus patients (IQAN)	93.846	18,903
Improving Safety and Access for Physical Activity - Supplement	93.847	(1,259)
Understanding Patterns of Change in Obesity and Physical Activity in Adults	93.847	8,217
Behavioral/Support Intervention for Diet and Exercise Among Underserved Women	93.847	8,807
Diabetes Prevention Program Outcomes Study (DPPOS)	93.847	26,693
Pass thru University of North Carolina, Nutrition and Metabolic Status in Youth with Type 1 DM	93.847	39,183
BK Channel Function and Regulation in Urinary Bladder Smooth Muscle	93.847	81,937
		163,578
Subunit Dependent Properties of Kainate Receptors	93.853	(1)
Pass thru Arizona State University, Impact of Physical Activity on Stroke and Cognitive Decline in Older Adults/REGARDS	93.853	7,173
Antihypertensive Treatment of Acute Cerebral Hemorrhage (ATACH-II): A Phase III Randomized Multicenter Clinical Trial of Blood Pressure Reduction for Hypertension in Acute Intracerebral Hemorrhage	93.853	8,143
Pass thru Yale University, Insulin Resistance Intervention after Stroke (IRIS) Trial	93.853	95,838
Pass thru John Hopkins Univ, Injury-Induced Pain: Chemical Modulation of Nociceptors	93.853	111,812
		222,965
Pass thru Research Institute Nationwide Children's Hospital, Persistent Hepatitis C Virus Replication and T-cell Immunity in Pregnancy	93.855	6,727
Biodosimetry of Children Exposed to Low-level Radioactive Contamination	93.855	11,546
Pass-through The Trustees of Columbia University in the City of New York, Biodosimetry of Children Exposed to Low-level Radioactive Contamination	93.855	13,157
Mast Cell STP Receptor2 in the Initiation and Progression of Chronic Inflammation	93.855	34,338
Pass thru University of Wisconsin, Adoptive Transfer of Immunity Elicited by Attenuated HIV Vaccines	93.855	61,072
		126,840
Mechanistic Studies of Iron Regulation in Yeast	93.859	(5,482)
COBRE - Center for Dietary Supplements and Inflammation (Microscopy & Imaging Core)	93.859	(3,106)
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) - (Year 3 of Competing Renewal)	93.859	(2,087)
COBRE - Center for Dietary Supplements and Inflammation (Flow Cytometry Core)	93.859	(445)
COBRE - Center for Dietary Supplements and Inflammation (Project 3)	93.859	303
COBRE - Center for Dietary Supplements and Inflammation (Immune Monitoring Core)	93.859	(134)
Genes Mediating Cardiac Hypertrophy during Pregnancy (Pilot Project under INBRE award)	93.859	(109)
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) - (Year 3 of Competing Renewal)	93.859	(4)
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) - USC BMEN (Year 3 of Competing Renewal)	93.859	195
Pilot Project: Transcriptome Sequencing and Annotation in Quantitative Expression (Year 3 of INBRE Competing Renewal)	93.859	1,466
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) - (Year 3 of Competing Renewal)	93.859	1,981
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) - Bioinformatics Core (Year 3 of Competing Renewal)	93.859	4,047
Pilot Project: Using Chip-Seq to Identify Regulatory Targets of ANT (Year 3 of INBRE Competing Renewal)	93.859	5,693
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) - (Year 3 of Competing Renewal)	93.859	11,030
Expression of a Multigene Family during Development(Pilot Project under INBRE award)	93.859	11,234
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) - (Year 3 of Competing Renewal)	93.859	26,669
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) MUSC - Roger Markwald (Year 3 of Competing Renewal)	93.859	37,521
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) - Roger Markwald (Year 3 of Competing Renewal)	93.859	44,406
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) - Claflin University-Angela Peters (Year 3 of Competing Renewal)	93.859	47,916
Cytoskeletal Oscillations: Mathematical Modeling Integrated with Experiments.	93.859	48,547
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) - Clemson - Larry Dooley (Year 3 of Competing Renewal)	93.859	61,756
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) - PACD (Year 3 of Competing Renewal)	93.859	66,923
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) - Winthrop University - Patrick Owens (Year 3 of Competing Renewal)	93.859	74,658
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) - (Year 3 of Competing Renewal)	93.859	76,158
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) - Administrative Core (Year 3 of Competing Renewal)	93.859	76,738
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) - Francis Marion University- Peter King (Year 3 of Competing Renewal)	93.859	102,369
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) - SC State University - Judith Salley (Year 3 of Competing Renewal)	93.859	172,462
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) - Furman University-John Wheeler (Year 3 of Competing Renewal)	93.859	271,660
		1,132,365

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Federal Grantor/Pass-Through Grantor/Agency	Federal CFDA Number	Federal Expenditures
The Development of Sustained Attention in Infants	93.865	(30)
A Parent Intervention for Improving Physical Activity and Diet in Adolescents	93.865	3,537
Multi-Component Intervention to Increase Physical Activity in Preschool Children	93.865	13,811
The Role of STARD6 in Ovarian Steroidogenesis	93.865	16,018
Pass-through Temple University, Snacking in Young Children: Parental Definitions, Goals, and Feeding Practices	93.865	45,379
Maternal HIV: Developmental Neurotoxicity	93.865	56,967
Mammary Gland Laterality in Normal and Neoplastic Development	93.865	80,737
Families Improving Together (FIT) for Weight Loss	93.865	249,445
Pass thru University of California, Language Development in Fragile X Syndrome	93.865	276,532
		742,396
Energy Expenditure Responses to Acute and Chronic Exercise in Older Women	93.866	3,462
Social-Environmental, Physiologic, and Genetic Determinants of Blood Pressure in Underserved African Americans	93.866	6,981
Characterization and genetic analysis of aging in Daphnia	93.866	53,637
Aging, Acetylcholine and the Hypothalamus	93.866	67,489
Pass-through LSU-Pennington Biomedical Research Center/Univ of Florida, LIFE - Main Study - sub-contract with Pennington Biomedical Research Center	93.866	70,870
Secretory Patterns of Senescent Tumor Cells	93.866	121,077
		323,516
OPAM: A conference on Object Perception Attention and Memory	93.867	3,412
Mass Casualty Triage Validation Study	93.879	10,082
SEARCH for Diabetes in Youth, Phase 3, Year 3 - USC	93.945	75,936
Pass-through University of North Carolina, Chapel Hill, SEARCH for Diabetes in Youth, Phase 3, Year 4 - USC	93.945	116,332
		192,268
South Carolina HIV/AIDS Clinical Training Center (AETC) Minority AIDS Initiative Grant	93.145	(185)
Immune Mechanism Underlying CXCR3 Ligand-Mediated Interstitial Cystitis(IC)	93.847	44,333
Reactivity of Transient Cyt P450 Oxygen Intermediates	93.XXX	(200)
Pass thru Univ of South Florida: Type I Diabetes TrialNet	93.XXX	50
Pass thru University of Waterloo, Tobacco Packing and Labeling Policies	93.XXX	1,232
A Multi-Center Epidemiologic Study of Breast Cancer in African American Women	93.XXX	2,661
Pass-through University of Waterloo, Tobacco Packing and Labeling Policies	93.XXX	4,219
Pass-through Association of Schools of Public Health, Institute for HIV Prevention Leadership	93.XXX	2,500
Evaluation of a Law Enforcement Motor-Vehicle Crash Prevention Program	93.XXX	14,694
Pass thru Emmes Corp, Platelet-Oriented Inhibition in New TIA	93.XXX	21,215
Pass-through SilverChair +Communications, LLC, Quit Advisor MD	93.XXX	22,524
Studying Community Programs to Reduce Childhood Obesity - sub-contract with Battelle Memorial Institute (Task 8 - Analysis & Dissemination)	93.XXX	28,112
Pass thru University of Waterloo, Data Management Core for the ITC Project, Evaluating the Effectiveness of Tobacco Control Policies in Low and Middle Income Countries	93.XXX	28,461
Pass thru MicroVide, Continuous Monitoring of Anti-Fibrinolytic Therapy in Cardiovascular Surgery	93.XXX	39,541
Pass thru Senex, CDK3-Inhibiting Anticancer Agents	93.XXX	40,521
Pass-through Wake Forest University, Systolic Blood Pressure Intervention Trial (SPRINT)	93.XXX	45,082
Studying Community Programs to Reduce Childhood Obesity - sub-contract with Battelle Memorial Institute (Task 1 - Scientific Leadership and Project Management)	93.XXX	94,251
Studying Community Programs to Reduce Childhood Obesity - sub-contract with Battelle Memorial Institute (Task 6 - Training and QA/QC Oversight)	93.XXX	111,397
Pass thru Wake Forest University, Systolic Blood Pressure Interventin Trial (SPRINT)	93.XXX	143,997
Total U.S. Department of Health and Human Services		15,177,330
U.S. Department of Homeland Security		
Fire Prevention and Safety Grant 2009FP-00785	97.044	82,697
Mobile Geospatial Situational Awareness for Field and Command Staff During the Emergency Response Phase	97.065	127,439
Tracking Airborne and Satellite Remote Sensing Collection Assets for Emergency Response Phase	97.XXX	115,187
Total U.S. Department of Homeland Security		325,323

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Schedule of Expenditures of Federal Awards

Federal Grantor/Pass-Through Grantor/Agency	Federal CFDA Number	Federal Expenditures
U.S. The National Academies		
Phase II - University-Industry Demonstration Partnership (Travel Budget)	99.RD	269,704
Phase II - University-Industry Demonstration Partnership	99.RD	51,520
Phase II - University-Industry Demonstration Partnership	99.RD	47,555
Total U.S. The National Academies		368,779
Total Research and Development Cluster		\$ 50,429,446

South Carolina Research Foundation

Notes to Schedule of Expenditures of Federal Awards

1. Basis of Presentation

The accompanying schedule of expenditures of federal awards (the "Schedule") includes the federal grant activity of the South Carolina Research Foundation (the "Foundation") under programs of the federal government for the year ended June 30, 2014. The information in the Schedule is presented in accordance with the provisions of the Office of Management and Budget ("OMB") Circular A-133, *Audits of States, Local Governments, and Nonprofit Organizations*. Because the Schedule presents only a selected portion of the operations of the Foundation, it is not intended to and does not present the financial position, changes in net position, or cash flows of the Foundation. Therefore, some amounts presented in the Schedule may differ from the amounts presented in the financial statements.

All of the Foundation's federal awards were in the form of cash assistance for the year ended June 30, 2014.

2. Summary of Significant Accounting Policies

Expenditures reported on the Schedule are reported on the accrual basis of accounting. Such expenditures are recognized following the cost principles contained in OMB Circular A-122, *Cost Principles for Non-Profit Organizations*, wherein certain types of expenditures are not allowable or are limited as to reimbursement. Negative amounts shown on the schedule represent adjustments or credits made in the normal course of business to amounts reported as expenditures in prior years.

3. Subrecipients

All of the federal expenditures presented in the schedule are provided to the University of South Carolina as a subrecipient.

4. Contingencies

The Foundation's federal programs are subject to financial and compliance audits by grantor agencies which, if instances of material noncompliance are found, may result in disallowed expenditures, and affect the Foundation's continued participation in specific programs. That amount, if any, of expenditures which may be disallowed by the grantor agencies cannot be determined at this time, although the Foundation expects such amounts, if any, to be immaterial.

South Carolina Research Foundation

Schedule of Findings and Questioned Costs

Part 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?

 Yes

 X No

Identification of major programs:

CFDA number(s)

Various

Name of federal program or cluster

Research & Development Cluster

Dollar threshold used to distinguish between Type A and Type B programs:

\$1,512,883

Auditee qualified as low-risk auditee?

 X Yes

 No

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Schedule of Findings and Questioned Costs

Part II - Financial Statement Findings Section

This section identifies the significant deficiencies, material weaknesses, fraud, illegal acts, violations of provisions of contracts and grant agreements, and abuse related to the financial statements for which *Government Auditing Standards* require reporting in a Circular A-133 audit.

No financial statement findings were identified as a result of our audit procedures.

Part III—Federal Award Findings and Questioned Costs Section

This section identifies the audit findings required to be reported by Circular A-133, Section .510(a) (for example, significant deficiencies, material weaknesses, and material instances of noncompliance, including questioned costs), as well as any abuse findings involving federal awards that are material to a major program. Where practical, findings should be organized by federal agency or pass-through entity.

No federal award findings or questioned costs were identified as a result of our audit procedures.

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Summary Schedule of Prior Year Findings

This section identifies the prior year audit findings that were required to be reported in the prior year by Circular A-133 section .510(a) (for example, material weaknesses, significant deficiencies and material instances of noncompliance, including questioned costs), as well as any prior year abuse findings involving federal awards that are material to a major program.

There were no prior year findings.