

**UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC**  
(A Component Unit of the University of Kansas)

**FINANCIAL STATEMENTS**  
June 30, 2016 and 2015

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
Lawrence, Kansas

FINANCIAL STATEMENTS  
June 30, 2016 and 2015

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# Crowe Chizek LLP

## INDEPENDENT AUDITOR'S REPORT

Board of Trustees  
University of Kansas Center for Research, Inc.  
Lawrence, Kansas

### **Report on the Financial Statements**

We have audited the accompanying financial statements of the University of Kansas Center for Research, Inc., which comprise the statements of financial position as of June 30, 2016 and 2015, and the related statements of activities, and cash flows for the year then ended, and the related notes to the financial statements.

### ***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.

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## **Opinion**

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the University of Kansas Center for Research, Inc. as of June 30, 2016 and 2015, and the changes in its net assets and its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.

## **Other Matter**

Our audit was conducted for the purpose of forming an opinion on the financial statements as a whole. The accompanying Schedule of Expenditures of Federal Awards, as required by Title 2 U.S. Code of Federal Regulations (CFR) Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* is presented for the purposes of additional analysis and is not a required part of the financial statements. The 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 audit of the financial statements and certain other 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 Schedule of Expenditures of Federal Awards is fairly stated, in all material respects, in relation to the 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 29, 2016 on our consideration of the University of Kansas Center for Research, Inc.'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 University of Kansas Center for Research, Inc.'s internal control over financial reporting and compliance.

  
Crowe Chizek LLP

Indianapolis, Indiana  
September 29, 2016

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
STATEMENTS OF FINANCIAL POSITION  
June 30, 2016 and 2015

	<u>2016</u>	<u>2015</u>
<b>Assets</b>		
Current assets		
Cash and cash equivalents	\$ 19,713,510	\$ 20,662,666
Current investments	39,105,890	37,419,118
Interest receivable	-	92,158
Accounts receivable, net		
Federal	16,781,755	17,865,232
State	2,950,724	1,597,785
Other	<u>8,171,396</u>	<u>8,092,419</u>
Total accounts receivable	<u>27,903,875</u>	<u>27,555,436</u>
Note receivable, net – current	97,551	87,814
Prepaid expenses	<u>305,591</u>	<u>292,893</u>
Total current assets	<u>87,126,417</u>	<u>86,110,085</u>
Property and equipment, net	19,257,457	20,271,391
Buildings and equipment in progress	<u>1,605,140</u>	<u>828,067</u>
Total property and equipment	<u>20,862,597</u>	<u>21,099,458</u>
Long-term investments	<u>6,747,655</u>	<u>6,747,672</u>
Other assets		
Bond issuance costs and other	331,264	479,962
Notes receivable, net	<u>740,592</u>	<u>838,143</u>
Total other assets	<u>1,071,856</u>	<u>1,318,105</u>
Total assets	<u>\$ 115,808,525</u>	<u>\$ 115,275,320</u>
 <b>Liabilities and Net Assets</b>		
Current liabilities		
Accounts payable and accrued expenses	\$ 18,085,954	\$ 19,195,051
Bonds payable, net - current	3,367,349	3,297,349
Assets held for others	7,420,551	7,207,588
Deferred revenues - sponsored research		
Federal	909,525	1,574,602
State	1,683,964	2,434,234
Other	<u>6,913,652</u>	<u>6,260,889</u>
Total deferred revenues	<u>9,507,141</u>	<u>10,269,725</u>
Total current liabilities	<u>38,380,995</u>	<u>39,969,713</u>
Bonds payable, net	<u>30,772,373</u>	<u>34,139,722</u>
Total liabilities	<u>69,153,368</u>	<u>74,109,435</u>
<b>Net Assets</b>		
Unrestricted	40,052,252	34,152,898
Temporarily restricted	606,899	1,016,981
Permanently restricted	<u>5,996,006</u>	<u>5,996,006</u>
Total net assets	<u>46,655,157</u>	<u>41,165,885</u>
Total liabilities and net assets	<u>\$ 115,808,525</u>	<u>\$ 115,275,320</u>

See accompanying notes to financial statements.

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
STATEMENT OF ACTIVITIES  
Year ended June 30, 2016

	<u>Unrestricted</u>	<u>Temporarily Restricted</u>	<u>Permanently Restricted</u>	<u>Total</u>
<b>Revenues, Gains, and Other Support</b>				
Direct research income	\$ 117,011,669	\$ -	\$ -	\$ 117,011,669
Facilities & administrative (F&A) revenue	<u>23,614,617</u>	<u>-</u>	<u>-</u>	<u>23,614,617</u>
	<u>140,626,286</u>	<u>-</u>	<u>-</u>	<u>140,626,286</u>
Service centers	7,947,792	-	-	7,947,792
Royalties	3,781,824	-	-	3,781,824
Donation of equipment – non project funds	179,562	-	-	179,562
Investment income	1,961,040	(117,824)	-	1,843,216
Contributions	-	38	-	38
Other income	4,361,075	-	-	4,361,075
Net assets released from restriction	<u>292,296</u>	<u>(292,296)</u>	<u>-</u>	<u>-</u>
 Total revenues, gains and other support	 <u>159,149,875</u>	 <u>(410,082)</u>	 <u>-</u>	 <u>158,739,793</u>
<b>Expenses</b>				
Direct research expenses	117,011,669	-	-	117,011,669
Capitalized expenses for property and equipment	<u>(2,203,318)</u>	<u>-</u>	<u>-</u>	<u>(2,203,318)</u>
	<u>114,808,351</u>	<u>-</u>	<u>-</u>	<u>114,808,351</u>
Management and general expenses				
University support	684,940	-	-	684,940
Research admin., unit support, startup	12,249,133	-	-	12,249,133
Matching costs	1,067,977	-	-	1,067,977
Interest expense-bonds	<u>926,019</u>	<u>-</u>	<u>-</u>	<u>926,019</u>
Total management and general expenses	14,928,069	-	-	14,928,069
Research unit/school expenses	4,230,560	-	-	4,230,560
Service centers	8,179,312	-	-	8,179,312
Other programs services	5,389,646	-	-	5,389,646
Depreciation	4,927,560	-	-	4,927,560
Loss on disposal of assets	<u>207,902</u>	<u>-</u>	<u>-</u>	<u>207,902</u>
Total expenses	<u>152,671,400</u>	<u>-</u>	<u>-</u>	<u>152,671,400</u>
<b>Change in net assets before transfers</b>	6,478,475	(410,082)	-	6,068,393
Transfers to University	<u>(579,121)</u>	<u>-</u>	<u>-</u>	<u>(579,121)</u>
<b>Change in net assets</b>	5,899,354	(410,082)	-	5,489,272
Net assets, beginning of year	<u>34,152,898</u>	<u>1,016,981</u>	<u>5,996,006</u>	<u>41,165,885</u>
<b>Net assets, end of year</b>	<b><u>\$ 40,052,252</u></b>	<b><u>\$ 606,899</u></b>	<b><u>\$ 5,996,006</u></b>	<b><u>\$ 46,655,157</u></b>

See accompanying notes to financial statements.

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
STATEMENT OF ACTIVITIES  
Year ended June 30, 2015

	<u>Unrestricted</u>	<u>Temporarily Restricted</u>	<u>Permanently Restricted</u>	<u>Total</u>
<b>Revenues, Gains, and Other Support</b>				
Direct research income	\$ 115,937,302	\$ -	\$ -	\$ 115,937,302
Facilities & administrative (F&A) revenue	<u>24,319,031</u>	<u>-</u>	<u>-</u>	<u>24,319,031</u>
	<u>140,256,333</u>	<u>-</u>	<u>-</u>	<u>140,256,333</u>
Service centers	4,689,439	-	-	4,689,439
Royalties	5,550,140	-	-	5,550,140
Donation of equipment – non project funds	53,804	-	-	53,804
Investment income	406,652	(15,612)	-	391,040
Contributions	-	-	125,000	125,000
Other income	912,252	-	-	912,252
Net assets released from restriction	<u>241,602</u>	<u>(241,602)</u>	<u>-</u>	<u>-</u>
Total revenues, gains and other support	<u>152,110,222</u>	<u>(257,214)</u>	<u>125,000</u>	<u>151,978,008</u>
<b>Expenses</b>				
Direct research expenses	115,937,302	-	-	115,937,302
Capitalized expenses for property and equipment	<u>(3,275,672)</u>	<u>-</u>	<u>-</u>	<u>(3,275,672)</u>
	<u>112,661,630</u>	<u>-</u>	<u>-</u>	<u>112,661,630</u>
Management and general expenses				
University support	1,172,919	-	-	1,172,919
Research admin., unit support, startup	12,009,836	-	-	12,009,836
Matching costs	1,599,021	-	-	1,599,021
Interest expense-bonds	<u>1,112,387</u>	<u>-</u>	<u>-</u>	<u>1,112,387</u>
Total management and general expenses	15,894,163	-	-	15,894,163
Research unit/school expenses	2,389,468	-	-	2,389,468
Service centers	3,292,115	-	-	3,292,115
Other programs services	3,576,318	-	-	3,576,318
Depreciation	5,499,467	-	-	5,499,467
Loss on disposal of assets	<u>465,451</u>	<u>-</u>	<u>-</u>	<u>465,451</u>
Total expenses	<u>143,778,612</u>	<u>-</u>	<u>-</u>	<u>143,778,612</u>
<b>Change in net assets before transfers</b>	8,331,610	(257,214)	125,000	8,199,396
Transfers to University	<u>(1,190,091)</u>	<u>-</u>	<u>-</u>	<u>(1,190,091)</u>
<b>Change in net assets</b>	7,141,519	(257,214)	125,000	7,009,305
Net assets, beginning of year	<u>27,011,379</u>	<u>1,274,195</u>	<u>5,871,006</u>	<u>34,156,580</u>
<b>Net assets, end of year</b>	<u>\$ 34,152,898</u>	<u>\$ 1,016,981</u>	<u>\$ 5,996,006</u>	<u>\$ 41,165,885</u>

See accompanying notes to financial statements.

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
STATEMENTS OF CASH FLOWS  
Years ended June 30, 2016 and 2015

	<u>2016</u>	<u>2015</u>
<b>Cash flows from operating activities</b>		
Cash received for research contracts, grants and service accounts and unit support	\$ 139,105,701	\$ 147,420,374
Royalties received	4,404,349	5,800,537
Interest received	814,281	607,932
Payments to suppliers and employees	(148,316,328)	(139,487,969)
Interest paid	(1,163,436)	(1,077,603)
Other operating receipts	<u>12,308,905</u>	<u>6,336,606</u>
Net cash from operating activities	<u>7,153,472</u>	<u>19,599,877</u>
<b>Cash flows from investing activities</b>		
Purchase of property and equipment	(4,589,780)	(4,318,635)
Purchase of investments	(36,057,489)	(24,894,566)
Proceeds from sales and maturities of investments	35,491,827	23,274,348
Collection of notes receivable	<u>87,814</u>	<u>8,969</u>
Net cash from investing activities	<u>(5,067,628)</u>	<u>(5,929,884)</u>
<b>Cash flows from financing activities</b>		
Principal payments of long-term debt	(3,035,000)	(3,070,000)
Permanently restricted contributions	<u>-</u>	<u>125,000</u>
Net cash from financing activities	<u>(3,035,000)</u>	<u>(2,945,000)</u>
<b>Increase (Decrease) in Cash and Cash Equivalents</b>	(949,156)	10,724,993
<b>Cash and Cash Equivalents, Beginning of Year</b>	<u>20,662,666</u>	<u>9,937,673</u>
<b>Cash and Cash Equivalents, End of Year</b>	<u>\$ 19,713,510</u>	<u>\$ 20,662,666</u>
<b>Reconciliation of Change in Net Assets to Net Cash Provided by Operating Activities</b>		
Change in net assets	\$ 5,489,272	\$ 7,009,305
Adjustments to reconcile change in net assets to net cash provided by operating activities:		
Depreciation	4,927,560	5,499,467
Amortization	(188,000)	(213,270)
Donations of equipment - non project funds	(179,562)	(53,804)
Loss on disposal of property and equipment	207,902	465,451
Realized and unrealized (gains) losses on investments	(1,121,093)	238,403
Transfer of assets to University of Kansas	579,121	1,190,091
Permanently restricted contributions	-	(125,000)
Changes in:		
Accounts receivable - research	(348,439)	8,091,869
Interest receivable	92,158	(5,900)
Prepaid expenses	61,651	(56,258)
Accounts payable and accrued expenses	(1,817,477)	(2,745,495)
Assets held for others	212,963	268,405
Deferred revenues - research	<u>(762,584)</u>	<u>36,613</u>
Net cash provided by operating activities	<u>\$ 7,153,472</u>	<u>\$ 19,599,877</u>
<b>Supplemental Cash Flow Information</b>		
Noncash investing activities:		
Donations of equipment - non project funds	\$ 179,562	\$ 53,804
Purchases of property and equipment in accounts payable	708,380	-

See accompanying notes to financial statements.



UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
NOTES TO FINANCIAL STATEMENTS  
June 30, 2016 and 2015

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**NOTE 1 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

Nature of Operations: The University of Kansas Center for Research, Inc. (the Center) is a not-for-profit organization that operates under the administrative jurisdiction of the University of Kansas (the University or KU). The Center is a component unit of the University and administers sponsored agreements to conduct research and training for the University. The Center's revenues and other support are derived principally from federal, state, and private grants and its activities are conducted principally in Lawrence, Kansas.

Use of Estimates: The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America (GAAP) requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues, expenses, gains, losses and other changes in net assets during the reporting period. Actual results could differ from those estimates.

Fair Value of Financial Instruments: Cash and cash equivalents, the note receivable, and accounts receivable approximate fair value because of the short maturity of these instruments. The notes receivable are not readily marketable. The Center has estimated their fair value to be the carrying value. Investments are carried at fair value based upon quoted market prices as described in Note 2. The carrying value of accounts payable and accrued liabilities and deferred revenue approximates fair value due to the short-term nature of the obligations. The carrying values of all of the Center's financial instruments approximated their fair values at June 30, 2016 and 2015, except bonds payable. The fair value of the Center's bonds payable is estimated based on quoted market prices for the same or similar issues. The fair value of bonds payable for the bondholders at June 30, 2016 and 2015 was approximately \$33,779,850 and \$37,408,902.

Cash Equivalents: The Center considers all liquid investments with original maturities of three months or less to be cash equivalents. At June 30, 2016 and 2015, cash equivalents consisted primarily of an interest bearing checking account that is fully collateralized by FDIC insurance and US Bank.

Investments and Investment Return: All investments are carried at fair value. Investment return includes dividend, interest and other investment income; realized and unrealized gains and losses on investments carried at fair value; and realized gains and losses on other investments.

Property and Equipment: Property and equipment are recorded at cost at the date of acquisition, or estimated fair value at the date of donation in the case of gifts. Property and equipment are depreciated on a straight-line basis over the estimated useful life of each asset, generally 3 to 40 years. For equipment, the Center's capitalization policy includes all items with a unit cost of \$5,000 or more, and an estimated useful life greater than one year. Scientific equipment acquired with research funds are expensed when purchased if such equipment must be returned to the grantor at the end of the research project. Renovations to buildings, infrastructure and land improvements that significantly increase the value or extend the useful life of the structure are capitalized if the related project cost exceeds \$100,000. Routine repairs and maintenance are charged to operating expense in the year in which the expense was incurred.

Impairment of Long-Lived Assets: On an ongoing basis, the Center reviews its long-lived assets for impairment whenever events or circumstances indicate that the carrying amount may be overstated. The Center recognizes impairment losses if the undiscounted cash flows expected to be generated are less than the carrying value of the related asset. If impaired, the assets are adjusted to fair value based on the discounted cash flows. No impairment is thought to exist as of June 30, 2016 or 2015.

Bond Issuance Costs: Bond issuance costs incurred on the revenue bond issues have been deferred and are being amortized over the life of the bonds using the straight-line method.

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(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
NOTES TO FINANCIAL STATEMENTS  
June 30, 2016 and 2015

**NOTE 1 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)**

**Net Assets:** The Center is required to report information regarding its financial position and activities according to the following three classes of net assets:

Permanently Restricted – Net assets donated with stipulations that they be invested to provide a permanent source of income (e.g., endowment funds); such restrictions can neither expire with the passage of time nor be removed by fulfillment of a stipulated purpose.

Temporarily Restricted – Net assets whose use by the Center is limited by donor-imposed restrictions that either expire by the passage of time or can be removed by fulfillment of the stipulated purpose for which the donation was restricted.

Unrestricted – Net assets that are free of donor-imposed restrictions and resources used in support of the Center's general operations.

**Deferred Revenue:** Revenues received for research projects are received either in advance of costs incurred or on a cost-reimbursement basis. Any revenues received in advance are deferred.

**Revenue Recognition:** Support funded by grants is recognized as the Center performs the contracted services or incurs outlays eligible for reimbursement under the grant agreements. Grant activities and outlays are subject to audit and acceptance by the granting agency and, as a result of such audit, adjustments could be required.

Research project revenues are received in connection with exchange transactions wherein the Center is obligated to provide certain goods and/or services. Revenues received for research projects are received either in advance of costs incurred or on a cost-reimbursement basis. The costs of projects on a cost-reimbursement basis are recognized as incurred and related revenue is recognized when earned (primarily as costs are incurred), whether billed or unbilled. Facilities and administrative (F&A) reimbursement revenues are earned as a percentage of direct costs charged to sponsored projects. The percentage is based on the rate negotiated with the U.S. Department of Health and Human Services and is included in each award budget. Approximately 43% and 53% of all grant revenues was received from three grantors (federal agencies) during the years ended June 30, 2016 and 2015, respectively.

An allowance for uncollectible cost reimbursement amounts is provided based on management's evaluation of potential uncollectible cost reimbursement amounts at year end.

The composition of accounts receivable at June 30, 2016 and 2015 are as follows:

<u>June 30, 2016</u>	<u>Receivables</u>	<u>Allowance</u>	<u>Net</u>
Accounts receivable - federal	\$ 16,781,755	\$ -	\$ 16,781,755
Accounts receivable - state	2,950,724	-	2,950,724
Accounts receivable - other	<u>8,266,875</u>	<u>(95,479)</u>	<u>8,171,396</u>
	<u>\$ 27,999,354</u>	<u>\$ (95,479)</u>	<u>\$ 27,903,875</u>
<u>June 30, 2015</u>	<u>Receivables</u>	<u>Allowance</u>	<u>Net</u>
Accounts receivable - federal	\$ 17,865,232	\$ -	\$ 17,865,232
Accounts receivable - state	1,597,785	-	1,597,785
Accounts receivable - other	<u>8,187,898</u>	<u>(95,479)</u>	<u>8,092,419</u>
	<u>\$ 27,650,915</u>	<u>\$ (95,479)</u>	<u>\$ 27,555,436</u>

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
NOTES TO FINANCIAL STATEMENTS  
June 30, 2016 and 2015

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**NOTE 1 – SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)**

Contributions: Gifts of cash and other assets received without donor stipulations are reported as unrestricted revenue and net assets. Gifts received with a donor stipulation that limits their use are reported as temporarily or permanently restricted revenue and net assets. When a donor stipulated time restriction ends or purpose restriction is accomplished, temporarily restricted net assets are reclassified to unrestricted net assets and reported in the statement of activities as net assets released from restrictions. Gifts and investment income that are originally restricted by the donor and for which the restriction is met in the same time period are recorded as temporarily restricted and then released from restriction.

Income Taxes: The Center is exempt from income taxes under Section 501 (c)(3) of the Internal Revenue Code and a similar provision of state law. The Center is subject to federal income tax on any unrelated business taxable income. However, management believes that any unrelated business taxes due, if any, would not be material to the financial statements.

The Center is subject to guidance with respect to accounting for uncertainty in income taxes. A tax position is recognized as a benefit only if it is “more likely than not” that the tax position would be sustained in a tax examination, with a tax examination being presumed to occur. The amount recognized is the largest amount of tax benefit that is greater than 50% likely of being realized on examination. For tax positions not meeting the “more likely than not” test, no tax benefit will be recorded.

The Center does not expect the total amount of unrecorded tax benefits to significantly change in the next 12 months. The Center recognizes interest and/or penalties related to income tax matters in income tax expense. The Center did not have any amounts accrued for interest and penalties at June 30, 2016 and 2015. At June 30, 2016 and June 30, 2015, the Center has not recorded any expected tax benefits.

Subsequent Events: Management has performed an analysis of the activities and transactions subsequent to June 30, 2016, to determine the need for any adjustments or disclosures to the financial statements for the year ended June 30, 2016. Management has performed their analysis through September 29, 2016, the date the financial statements were issued.

**NOTE 2 - INVESTMENTS**

The Executive Committee, as well as the Finance and Audit Committee, of the Center oversee the Center's investments. In accordance with the Center's investment policy, eligible investments include money market funds, FDIC insured bank accounts, U.S. Treasury obligations (Bills, Notes, Bonds), U.S. Government Agency obligations, corporate obligations, mutual funds, exchange traded funds, domestic and international stocks, and fully collateralized repurchase agreements. Asset allocation targets are reviewed semi-annually by the Finance and Audit Committee.

During 2016, the Finance and Audit committee changed investment managers and combined the Research Fund and Corporate Reserve Fund into a single account known as the KU CR Fund. The committee revised the investment policy effective February 15, 2016, which changed the asset allocation resulting in additional diversification and an increase equity exposure, with investment in mutual funds only, with the exception of the KU Endowment investments.

Fair Value Measurements

Fair value is defined as the price that would be received for an asset or paid to transfer a liability (an exit price) in the Center's principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date.

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(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
NOTES TO FINANCIAL STATEMENTS  
June 30, 2016 and 2015

**NOTE 2 – INVESTMENTS** (Continued)

To maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value, the Center uses the fair value hierarchy. GAAP describes three levels of inputs that may be used to measure fair value:

Level 1: Inputs include quoted prices (unadjusted) for identical assets or liabilities in active markets that the entity has the ability to access as of the measurement date.

Level 2: Inputs include significant other observable inputs other than Level 1 prices such as quoted prices for similar assets or liabilities; quoted prices in markets that are not active; or other inputs that are observable or can be corroborated by observable market data.

Level 3: Inputs include significant unobservable inputs that reflect a reporting entity's own assumptions about the assumptions that market participants would use in pricing an asset or liability.

In many cases, a valuation technique used to measure fair value includes inputs from multiple levels of the fair value hierarchy. The lowest level of significant input determines the placement of the entire fair value measurement in the hierarchy.

Where quoted market prices are available in an active market, securities are classified within Level 1 of the valuation hierarchy. Level 1 securities include U.S. treasury obligations, exchange traded funds, equity mutual funds, money market funds, and funds held in trust for debt service. If quoted market prices are not available, then fair values are estimated by a third-party pricing service using pricing models, quoted market prices of securities with similar characteristics, or discounted cash flows and are classified within Level 2 of the valuation hierarchy. Level 2 securities include U.S. agency obligations and corporate bonds.

Investments Held by Kansas University Endowment Association

Investments in pooled funds held by Kansas University Endowment Association (KU Endowment) are valued at net asset value based upon the proportional value of the overall fund which estimates fair value. Investment earnings are allocated monthly on a prorated basis representative of the Center's overall percentage of ownership in the applicable pooled funds. As such, all of the Center's investments at the KU Endowment are valued at net asset value, and are excluded from the valuation hierarchy, pursuant to the adoption of ASU 2015-07, *Fair Value Measurement*. The underlying assets consist primarily of marketable securities measured at fair value.

The Center classifies funds that are available for immediate expenditure as current assets and funds invested in KU Endowment's long-term investment program and other investment funds as noncurrent assets. The funds available for immediate expenditure can be redeemed on a short-term basis. The Center has visibility to the underlying holdings which are considered to be Level 1 and Level 2 inputs.

The Center's investments at June 30 consisted of the following:

	<u>Fair Value measurement at Reporting Date Using</u>		
	<u>Fair Value</u>	<u>Level 1</u>	<u>NAV</u>
June 30, 2016			
Equity mutual funds	\$ 21,358,077	\$ 21,358,077	\$ -
Fixed mutual funds	17,068,638	17,068,638	-
Money market mutual funds	63,626	63,626	-
Funds held in trust for debt service	751,649	751,649	-
Investments held by KU Endowment	<u>6,611,555</u>	<u>-</u>	<u>6,611,555</u>
	<u>\$ 45,853,545</u>	<u>\$ 39,241,990</u>	<u>\$ 6,611,555</u>

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
 NOTES TO FINANCIAL STATEMENTS  
 June 30, 2016 and 2015

**NOTE 2 – INVESTMENTS** (Continued)

	Fair Value measurement at Reporting Date Using			
	Fair Value	Level 1	Level 2	NAV
June 30, 2015				
U.S. treasury obligations	\$ 13,411,199	\$ 13,411,199	\$ -	\$ -
U.S. agency obligations	10,313,570	-	10,313,570	-
Exchange traded funds	3,642,691	3,642,691	-	-
Equity mutual funds	5,167,592	5,167,592	-	-
Corporate bonds	1,953,990	-	1,953,990	-
Money market mutual funds	1,883,250	1,883,250	-	-
Funds held in trust for debt service	751,666	751,666	-	-
Investments held by KU Endowment	<u>7,042,832</u>	<u>-</u>	<u>-</u>	<u>7,042,832</u>
	<u>\$ 44,166,790</u>	<u>\$ 24,856,398</u>	<u>\$ 12,267,560</u>	<u>\$ 7,042,832</u>

Total investment return is comprised of the following:

	<u>2016</u>	<u>2015</u>
Interest and dividend income	\$ 722,123	\$ 629,443
Realized gain (loss)	407,741	(62,997)
Unrealized gain (loss)	<u>713,352</u>	<u>(175,406)</u>
	<u>\$ 1,843,216</u>	<u>\$ 391,040</u>

Investment expense, included in investment income, was \$58,915 and \$23,906 for the years ended June 30, 2016 and 2015, respectively.

**NOTE 3 – NOTES RECEIVABLE**

In fiscal year 2010, the Center loaned the Lawrence-Douglas County Biosciences Authority \$1,000,000 to assist in the financing of the construction of the Bioscience and Technology Business Center (BTBC). The note matures on June 21, 2020 requiring a final principal payment on the maturity date. The note bears interest at 4.25%, and is secured by an unconditional assignment of amounts payable to BTBC under commitments from the City of Lawrence, Kansas and Douglas County, Kansas (annual commitments by each of \$75,000 per year through 2018) and by an assignment of rent from all tenants of the facility.

An additional \$100,000 was loaned to the Lawrence-Douglas County Biosciences Authority on December 15, 2010 under the same terms as the initial note. During fiscal year 2016, the note was amended to require annual principal payments of \$12,500 through maturity on June 21, 2020.

Both notes are recorded at the unpaid principal balance. Management believes the entire balance is collectible, as such management has made no provisions for uncollectible amounts. Interest is recognized over the term of the notes and is calculated using the simple-interest method on the outstanding principal.

A summary of changes in notes receivable is as follows:

	June 30, <u>2015</u>	<u>Additions</u>	<u>Repayments</u>	June 30, <u>2016</u>	Current <u>Portion</u>
BTBC notes	\$ 925,957	\$ -	\$ (87,814)	\$ 838,143	\$ 97,551

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
NOTES TO FINANCIAL STATEMENTS  
June 30, 2016 and 2015

**NOTE 3 – NOTES RECEIVABLE (Continued)**

Future repayment activity for the notes is as follows:

Year Ending <u>June 30</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2017	97,551	35,190	132,741
2018	54,533	32,967	87,500
2019	56,851	30,649	87,500
2020	<u>629,208</u>	<u>28,233</u>	<u>657,441</u>
	<u>\$ 838,143</u>	<u>\$ 127,039</u>	<u>\$ 965,182</u>

**NOTE 4 – PROPERTY AND EQUIPMENT**

Property and equipment at June 30, 2016 and 2015 consists of:

	June 30, <u>2015</u>	<u>Increases</u>	<u>Decreases</u>	June 30, <u>2016</u>
Land	\$ 808,808	\$ 72,000	\$ -	\$ 880,808
Building	1,516,032	400,204	-	1,916,236
Office equipment	689,502	156,605	(1,354)	844,753
Scientific equipment	<u>64,393,450</u>	<u>3,492,720</u>	<u>(2,742,062)</u>	<u>65,144,108</u>
	<u>67,407,792</u>	<u>4,121,529</u>	<u>(2,743,416)</u>	<u>68,785,905</u>
Less accumulated depreciation:				
Building	224,779	68,645	-	293,424
Office equipment	288,275	90,513	(465)	378,323
Scientific equipment	<u>46,623,348</u>	<u>4,768,402</u>	<u>(2,535,049)</u>	<u>48,856,701</u>
	<u>47,136,402</u>	<u>4,927,560</u>	<u>(2,535,514)</u>	<u>49,528,448</u>
	<u>20,271,390</u>	<u>(806,031)</u>	<u>(207,902)</u>	<u>19,257,457</u>
Buildings and equipment in progress	<u>828,068</u>	<u>1,211,387</u>	<u>(434,315)</u>	<u>1,605,140</u>
Total, net	<u>\$ 21,099,458</u>	<u>\$ 405,356</u>	<u>\$ (642,217)</u>	<u>\$ 20,862,597</u>

The statements of financial position of the Center include only those property and equipment purchases or donations that remain the Center's property. Accordingly, the historical cost of property and equipment purchased by the Center and transferred to the University are reflected within the University's financial statements.

Transfers to the University for 2016 and 2015 were:

	<u>2016</u>	<u>2015</u>
Property, equipment, and other	\$ 579,121	\$ 1,190,091

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
NOTES TO FINANCIAL STATEMENTS  
June 30, 2016 and 2015

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**NOTE 5 – ASSETS HELD FOR OTHERS**

In 2000 and 2004, the Center received certain federal grant funds to establish the State of Kansas' Alternative Financing Program and Telework Program (the program). As required by the grant funding agreements, the Center contracted with a community based organization to administer the program. In 2014, the Center terminated the contractual agreements with the community based organization that administered the program. In connection with the termination agreement, the financial assets of the program are to be returned to the Center. During the years ended June 30, 2015 and 2014, the Center received approximately \$7.2 million upon the finalization and closeout of the program.

The Center has entered into an agreement with another community based organization to administer the program. In association with this agreement, the Center will maintain certain administrative and fiduciary responsibilities related to certain financial assets of the program. These financial assets primarily consist of investments. Accordingly, the amounts of financial assets administered by the Center under the program are also reported as assets held for others. At June 30, 2016 and 2015, these amounts totaled \$7,420,551 and \$7,207,588.

**NOTE 6 – LONG TERM DEBT**

A summary of the changes in long term debt is as follows:

	June 30, <u>2015</u>	<u>Additions</u>	<u>Retirements</u>	June 30, <u>2016</u>	<u>Current Portion</u>
Revenue bonds:					
Series 2006G	\$ 2,080,000	\$ -	\$ (665,000)	\$ 1,415,000	\$ 695,000
Series 2012E	23,000,000	-	(2,275,000)	20,725,000	2,320,000
Series 2014E	<u>10,380,000</u>	-	<u>(95,000)</u>	<u>10,285,000</u>	<u>90,000</u>
	<u>35,460,000</u>	-	<u>(3,035,000)</u>	<u>32,425,000</u>	<u>3,105,000</u>
Bond premium 2006G	41,591	-	(16,636)	24,955	16,636
Bond premium 2012E	1,685,139	-	(221,796)	1,463,343	221,796
Bond premium 2014E	<u>250,341</u>	-	<u>(23,917)</u>	<u>226,424</u>	<u>23,917</u>
	<u>1,977,071</u>	-	<u>(262,349)</u>	<u>1,714,722</u>	<u>262,349</u>
Total	<u>\$37,437,071</u>	<u>\$ -</u>	<u>\$(3,297,349)</u>	<u>\$34,139,722</u>	<u>\$ 3,367,349</u>

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(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
 NOTES TO FINANCIAL STATEMENTS  
 June 30, 2016 and 2015

**NOTE 6 – LONG TERM DEBT (Continued)**

Long-term debt at June 30, 2016, is comprised of the following:

Revenue Bonds	<u>Balance at June 30, 2016</u>	<u>Balance at June 30, 2015</u>
<p>\$17,085,000 - Series 2006G Kansas Development Finance Authority Revenue Bonds (\$15,830,000 tax-exempt and \$1,255,000 taxable). In 2014, \$10,560,000 of the 2006G bonds were advance refunded with the issuance of the 2014E bonds described below. Remaining annual installments range from \$640,000 to \$720,000 with final maturity on February 1, 2018. Interest at 4.00% is payable semi-annually. A rating of A was assigned by Standard &amp; Poor's and a rating of A1 was assigned by Moody's Investor Services. A debt service reserve fund was established in accordance with the covenants of the bond. At June 30, 2016 and 2015 the balance in this reserve fund was \$751,649 and \$751,666, respectively.</p>	\$ 1,415,000	\$ 2,080,000
<p>\$29,675,000 - Series 2012E Kansas Development Finance Authority Revenue Refunding Bonds (\$14,075,000 tax-exempt and \$15,600,000 taxable). The bonds are due in annual installments ranging from \$2,190,000 to \$2,950,000 with final maturity on February 1, 2024. Interest at rates ranging from 2.00% to 5.00% is payable semi-annually. A rating of AA Stable was assigned by Standard &amp; Poor's and a rating of Aa1 was assigned by Moody's Investor Services. A pledge of Center revenues and a second pledge of all University revenues, excluding restricted revenues, are available for full payment of the debt service in the event the Center is not able to make debt service payments. Proceeds from the 2012E bonds were used to extinguish the Series 2005B Kansas Development Finance Authority Taxable Revenue Bonds, which were originally used to finance the construction of the Multidisciplinary Research building.</p>	20,725,000	23,000,000
<p>\$10,580,000 – Series 2014E Kansas Development Finance Authority Revenue Bonds (tax-exempt). The bonds are due in annual installments ranging from \$90,000 to \$4,045,000 final maturity on February 1, 2025. Interest at rates ranging from 2.00% to 3.00% is payable semi-annually. A rating of AA was assigned by Standard &amp; Poor's and a rating of Aa2 was assigned by Moody's Investor Services. A pledge of Center revenues and a second pledge of all University's revenues, excluding restricted revenues, are available for full payment of the debt service in the event the Center is not able to make debt service payments. Proceeds for the 2014E bonds were used to advance refund \$10,560,00 of the 2006G Kansas Development Finance Authority Tax-Exempt Revenue Bonds described above, which were originally used to finance the construction of the Structural Biology Center Phase III building.</p>	<u>10,285,000</u>	<u>10,380,000</u>
	<u>\$ 32,425,000</u>	<u>\$ 35,460,000</u>

(Continued)



UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
NOTES TO FINANCIAL STATEMENTS  
June 30, 2016 and 2015

**NOTE 6 – LONG TERM DEBT (Continued)**

In accordance with University policy, the capitalized costs of the Multidisciplinary Research building and Structural Biology Center Phase III building have been previously transferred to and are reported on University's financial statements. At June 30, 2016 and 2015, the net book value of these facilities was approximately \$36.5 million and \$38.5 million, respectively.

Future revenue bond debt service requirements at June 30, 2016 are as follows:

Year Ending June 30	2006G		2012E		2014E		Total	
	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest
2017	695,000	56,600	2,320,000	749,950	90,000	282,400	3,105,000	1,088,950
2018	720,000	28,800	2,370,000	703,550	845,000	280,600	3,935,000	1,012,950
2019	-	-	2,415,000	656,150	830,000	263,700	3,245,000	919,850
2020	-	-	2,475,000	594,200	850,000	247,100	3,325,000	841,300
2021	-	-	2,600,000	470,450	865,000	230,100	3,465,000	700,550
2022-2024	-	-	8,545,000	662,400	2,760,000	531,450	11,305,000	1,193,850
2025	-	-	-	-	4,045,000	121,350	4,045,000	121,350
	<u>\$ 1,415,000</u>	<u>\$ 85,400</u>	<u>\$ 20,725,000</u>	<u>\$ 3,836,700</u>	<u>\$ 10,285,000</u>	<u>\$ 1,956,700</u>	<u>\$ 32,425,000</u>	<u>\$ 5,878,800</u>

On June 19, 2014, the Center issued \$10,580,000 in tax-exempt bonds with an average interest rate of 2.9% to advance refund \$10,560,000 of outstanding Series 2006G Kansas Development Finance Authority Revenue Bonds (2006G bonds) with an average interest rate of 4.8%. The net proceeds of \$10,518,835 (after payment of \$212,271 in underwriting fees, legal and other issuance costs) plus an additional \$867,093 of 2006G debt service reserve fund monies were deposited into a trust account to partially refund a portion of the 2006G bonds and pay certain expenses incurred with issuance of the series 2014E bonds. As a result, a portion of the 2006G tax-exempt bonds are considered to be legally defeased and the liability for these bonds has been removed from the Center's statement of financial position. A balance of \$2,080,000 of the 2006G tax-exempt bonds remains on the Center's statement of financial position and have final maturity on February 1, 2018. The Center refunded a portion of the 2006G tax-exempt bonds to reduce its total debt service payments over the next 12 years by almost \$2,651,000 and to obtain an economic gain (difference between the present values of the debt service payments on the old and new debt) of approximately \$794,000.

The Series 2006, 2012, and 2014 Bonds are secured by loan agreements with the Kansas Development Finance Authority. The bond agreements contains various restrictive covenants. The Center is subject to limitations on additional indebtedness under the agreements. At June 30, 2016, the Center reported compliance with these covenants as of June 30, 2016.

Interest expense related to all bonds payable for the years ended June 30, 2016 and 2015, was \$926,019 and \$1,112,387, respectively.

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
 NOTES TO FINANCIAL STATEMENTS  
 June 30, 2016 and 2015

**NOTE 7 – RESEARCH PROJECT EXPENDITURES/REVENUES**

The University has transferred substantially all of its research grants to the administrative control of the Center. The University and Center total sponsored research activity for the years ended June 30, 2016 and 2015 was as follows:

	<u>2016</u>	<u>2015</u>
<u>University Activity (Unaudited)</u>		
University Research Expenditures	\$ 3,598,163	\$ 2,369,973
University Indirect Cost	<u>847,453</u>	<u>154,885</u>
Total University Activity (Unaudited)	4,445,616	2,524,858
 <u>Center for Research Activity</u>		
Center for Research Expenditures non-ARRA	117,004,902	115,314,821
Center for Research Expenditures ARRA	<u>6,767</u>	<u>622,481</u>
Total Center Research Expenditures	117,011,669	115,937,302
Center Indirect Cost non-ARRA	23,614,617	24,237,989
Center Indirect Cost ARRA	<u>-</u>	<u>81,042</u>
Total Center Indirect Cost	<u>23,614,617</u>	<u>24,319,031</u>
 Total Sponsored Activity – University and Center (unaudited)	 <u>\$ 145,071,902</u>	 <u>\$ 142,781,191</u>

Research expenditures and indirect costs relating to the American Recovery and Reinvestment Act (ARRA) of 2009 are incremental, one-time awards.

**NOTE 8 – NET ASSETS**

Temporarily Restricted Net Assets

Temporarily restricted net assets available at June 30 are restricted for the following purposes:

	<u>2016</u>	<u>2015</u>
Dole Institute	\$ 434,953	\$ 784,121
Humanities	<u>171,946</u>	<u>232,860</u>
	<u>\$ 606,899</u>	<u>\$ 1,016,981</u>

Permanently Restricted Net Assets

Permanently restricted net assets by purpose at June 30 are as follows:

	<u>2016</u>	<u>2015</u>
Dole Institute	\$ 5,049,881	\$ 5,049,881
Humanities	<u>946,125</u>	<u>946,125</u>
	<u>\$ 5,996,006</u>	<u>\$ 5,996,006</u>

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
NOTES TO FINANCIAL STATEMENTS  
June 30, 2016 and 2015

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**NOTE 8 – NET ASSETS** (Continued)

The income generated from these permanently restricted assets is to be used for activities relating to the restricted purposes.

Net assets released from restrictions

Net assets were released from donor restrictions by incurring expenses satisfying the restricted purposes or by occurrence of other events specified by donors.

	<u>2016</u>	<u>2015</u>
Dole Institute	\$ 249,799	\$ 237,412
Humanities	<u>42,497</u>	<u>4,190</u>
	<u>\$ 292,296</u>	<u>\$ 241,602</u>

**NOTE 9 - ENDOWMENTS**

The Center's endowments consist of grant-funded and individual donor-restricted funds established for a variety of purposes. As required by accounting principles generally accepted in the United States of America (GAAP), net assets associated with endowment funds are classified and reported based on the existence or absence of donor-imposed restrictions.

The Center's governing body has interpreted the State of Kansas Prudent Management of Institutional Funds Act (SPMIFA) as requiring preservation of the fair value of the original gift as of the gift date of the donor-restricted endowment funds absent explicit donor stipulations to the contrary. As a result of this interpretation, the Center classifies as permanently restricted net assets the original value of grants and gifts donated to the permanent endowment, (b) the original value of subsequent gifts to the permanent endowment and (c) accumulations to the permanent endowment made in accordance with the direction of the applicable donor gift instrument at the time the accumulation is added to the fund.

The remaining portion of donor-restricted endowment funds is classified as temporarily restricted net assets until those amounts are appropriated for expenditure by the Center in a manner consistent with the standard of prudence prescribed by SPMIFA.

In accordance with SPMIFA, the Center considers the following factors in making a determination to appropriate or accumulate donor-restricted endowment funds:

1. Duration and preservation of the fund
2. Purposes of the Center and the fund
3. General economic conditions
4. Possible effect of inflation and deflation
5. Expected total return from investment income and appreciation or depreciation of investments
6. Other resources of the Center
7. Investment policies of the Center

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(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
 NOTES TO FINANCIAL STATEMENTS  
 June 30, 2016 and 2015

**NOTE 9 – ENDOWMENTS** (Continued)

The composition of donor-restricted endowment funds by net asset restriction and the changes in donor-restricted endowment net assets for the years ended June 30, 2016 and 2015 were:

	<u>Temporarily Restricted</u>	<u>Permanently Restricted</u>
Endowment net assets, July 1, 2015	\$ 1,016,981	\$ 5,996,006
Contributions	38	-
Investment income	303,713	-
Unrealized loss on investments	(421,537)	-
Amounts appropriated for expenditure	<u>(292,296)</u>	<u>-</u>
Endowment net assets, June 30, 2016	<u>\$ 606,899</u>	<u>\$ 5,996,006</u>
Endowment net assets, July 1, 2014	\$ 1,274,195	\$ 5,871,006
Contributions	-	125,000
Investment income	298,023	-
Unrealized loss on investments	(313,635)	-
Amounts appropriated for expenditure	<u>(241,602)</u>	<u>-</u>
Endowment net assets, June 30, 2015	<u>\$ 1,016,981</u>	<u>\$ 5,996,006</u>

The Center has invested the above endowments in pooled funds held and managed by the Kansas University Endowment Association (KU Endowment).

KU Endowment has investment policies that attempt to provide a predictable stream of funding to programs supported by operations, as well as endowment donations. Assets are invested in a manner that is intended to produce results that match or exceed the respective benchmark while also seeking to control investment risk. The primary long-term financial objective of the portfolio managed by KU Endowment is to preserve the real value (purchasing power) of the principal (the gift value) and of its spending distributions, while providing a relatively stable source of funding for participants. Since the program's 1988 inception, Endowment has met its objective though actual returns in any given year may vary from this amount.

Funds with Deficiencies: From time to time, the fair value of assets associated with individual donor restricted endowment funds may fall below the level that the donor or SPMIFA requires the Center to retain as a fund of perpetual duration. There were no such funds with deficiencies as of June 30, 2016 and 2015.

Strategies Employed for Achieving Objectives: To satisfy its long-term rate-of-return objectives, KU Endowment relies on a total return strategy in which investment returns are achieved through both capital appreciation (realized and unrealized) and current yield (interest and dividends net of fees). KU Endowment targets a diversified asset allocation to achieve its long-term return objectives within prudent risk constraints.

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
 NOTES TO FINANCIAL STATEMENTS  
 June 30, 2016 and 2015

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**NOTE 9 – ENDOWMENTS** (Continued)

Spending Policy and How the Investment Objectives Relate to Spending Policy: Except as specified by the donor, KU Endowment has adopted a constant growth spending policy. The target spending rate is 5.5% of the market value of participating funds, less a 0.9% administrative fee charge by KU Endowment. TO avoid potential under-distributions or unsustainable over-distributions in any given year, the policy is subject to a 4.5% “floor” and a 6.5% “cap” of the trailing four quarter average market value. Every month, participating funds receive a distribution. The spending amount is recalculated annually based on values ending September 30<sup>th</sup> of the year preceding each spending year and is effective for one year beginning February 1 and ending the following January 31. In establishing this policy, KU Endowment considered the long-term expected return on its endowment. Accordingly, over the long term, KU Endowment expects the current spending policy to allow its endowment to grow at an average of the long-term rate of inflation. This is consistent with KU Endowment’s objective to maintain the purchasing power of the endowed assets held in perpetuity, as well as to provide additional growth through new gifts.

**NOTE 10 – RELATED PARTY TRANSACTIONS**

During the years ended June 30, 2016 and 2015, amounts paid by the University (and reimbursed by the Center) for salaries, benefits, scholarships, fellowships, tuition, and other operating expenses amounted to approximately \$98,576,893 and \$92,509,148 respectively. Of these amounts, approximately \$12,946,983 and \$14,312,879 are included in accounts payable and accrued expenses at June 30, 2016 and 2015, respectively.

The University provides support to the Center to fund general and administrative salaries and benefits, funds to invest in University programs and certain utility, maintenance, and custodial expenses paid by the University for the benefit of the Center. The following amounts were paid by the University for the years ended June 30, 2016 and 2015:

	<u>2016</u>	<u>2015</u>
Salaries and benefits	\$ 1,786,988	\$ 1,389,217
Start-up	2,000,000	2,000,000
Other Investments	1,497,505	1,462,687
Utilities	66,028	69,942
Information technology services	66,258	66,258
Maintenance	58,432	48,207
Custodial	<u>22,452</u>	<u>20,791</u>
	<u>\$ 5,497,663</u>	<u>\$ 5,057,102</u>

Effective July 1, 2009, the University established a central pool for the payout of vacation leave when faculty or staff resign or terminate employment. The effective rate is 0.68% and 0.35% of eligible payroll as of June 30, 2016 and 2015, respectively.

The Center provided support to KU Endowment for departmental benefit in funding research, graduate studies, distinguished professorships, scholarships and fellowships. Support of \$2,202,175 and \$2,373,857 was provided to KU Endowment during the fiscal years 2016 and 2015 and is included in other program services on the statement of activities.

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(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
NOTES TO FINANCIAL STATEMENTS  
June 30, 2016 and 2015

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**NOTE 10 – RELATED PARTY TRANSACTIONS (Continued)**

The Center and the University of Kansas Medical Center Research Institute, Inc. jointly fund the operations of KU Center for Technology Commercialization (KUCTC). Support of \$1,173,375 and \$1,187,375 was provided to KUCTC during each of the fiscal years 2016 and 2015, respectively. Support of \$817,375 remains as accounts payable at June 30, 2015.

In accordance with the KUCTC revenue sharing agreement, signed in June 2012, a distribution of \$762,688 is due to the Center and recorded in receivables as of June 30, 2015.

**NOTE 11 – OPERATING LEASES**

Non-cancellable operating leases for facilities used in research projects expire in various years through 2025. These leases generally contain renewal options for periods ranging from one to five years.

Future minimum lease payments at June 30, 2016 were:

2017	640,404
2018	560,300
2019	514,324
2020	509,500
2021	493,467
Thereafter	<u>1,237,890</u>
	<u>\$ 3,955,885</u>

Rent expense for all operating leases was \$705,888 and \$485,745 for the years ended June 30, 2016 and 2015, respectively.

**NOTE 12 – DEFINED CONTRIBUTION PROGRAM**

All employees working for the Center are University of Kansas employees. The University has a defined contribution pension program covering all staff employees who have worked at the University for more than one year. Participating employees contribute 5.5% of their salary, and the Center contributes an additional 8.5%. Participating employees are fully vested immediately. The Center contributed \$115,368 and \$33,996 for 2016 and 2015, respectively.

**NOTE 13 – COMMITMENTS AND CONTINGENCIES**

The Center has agreed to provide funding to the Bioscience & Technology Business Center, Inc. totaling \$2 million to expand the Bioscience & Technology Business Center. Outstanding amounts under this commitment were \$200,000 as of June 30, 2016.

**SUPPLEMENTARY INFORMATION**

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
 Year ended June 30, 2016

<u>Federal Grantor/Program Title</u>	<u>CFDA Number</u>	<u>Identifying Number</u>	<u>Amount</u>
<b>RESEARCH AND DEVELOPMENT CLUSTER</b>			
<b><u>Corporation for National and Community Service</u></b>			
<b><u>Pass through Kansas State Board of Education</u></b>			
Kansas STEM Mentoring Initiative	94.021	652-15-1846	\$ 15,133
Kansas STEM Mentoring Initiative	94.021	652-16-1886	57
<b><u>U.S. Department of Education</u></b>			
<b><u>Direct Award</u></b>			
Fulbright-Hays Doctoral Dissertation Research Abroad Program	84.022	P022A130019	5,279
Funds for the Improvement of Postsecondary Education	84.116	P116Z990008	5,000,000
Rehabilitation Research and Training Center on Community Living	84.133	H133B110006 - 14	(168,598)
Assessing Family Employment Awareness Training (FEAT)	84.133	H133G130261	(17,072)
I-CONNECT PLUS: Enhancing Community Participation for Adolescents and Adults with ASD using Online Instruction, Coaching, and Accessible Self-Management Technologies	84.133	H133A130032 - 14	(57,402)
Access to Success: Replication and Impact of a Training Program Supporting Post-Secondary Students in Requesting Disability Accommodations	84.133	H133G140213	(8,636)
Development and Validation of Online Adaptive Reading Motivation Measures	84.305	R305A110148-14	240,845
Improving Paraprofessionals Instructional and Behavioral Support In Urban Elementary School Settings: A Research Practitioner Partnership	84.305	R305H140048	164,310
Implementing Comprehensive, Integrated, Three-tiered Models to Meet Students' Academic, Behavior, and Social Needs: A Researcher-Practitioner Partnership	84.305	R305H150018-16	139,444
A Multi-Site Efficacy Trial of the Class-wide Function-related Intervention Teams "CW-FIT": A Research to Practice Agency for Students with and At Risk for EBD	84.324	R324A120344 - 15	567,455
The effects of online decision making support for home visitors using an RTI approach to promoting the language development of at-risk infants and toddlers	84.324	R324A120365 - 15	561,290
Topic 5; Goal 5; Assessing Self-Determination in the Era of Evidence-Based Practices: The Development and Validation of Student and Adult Measures of Self-Determination	84.324	R324A130065 - 15	532,437
Exploring the Predictors and Outcomes of Self-Determination for Secondary Students with Disabilities by Analyzing NLTSS2 Data	84.324	R324A120411	15,758
Validation of Cognitive Problem-Solving and Movement Infant-Toddler IGDIs for Screening and General Outcome Progress Monitoring	84.324	R324A150166-16	180,950
Early Identification of children with reading disabilities within an RTI framework	84.324	R324A080118	-
KU ACCESS: Leadership in Access, College, Career, and Extensive and Significant Supports for Secondary Students with Severe Disabilities	84.325	H325D140031-16	143,226
The Strategic Writing Model: Secondary Writing Instruction through a Three-Tiered RTI Model	84.326	H326M090003 -12	6,788
The Schoolwide Integrated Framework For Transformation Center (SWIFT)	84.326	H326Y120005-15	5,019,158
Phase II Animated Visual Supports for Social Skills (AViSS): An Interactive Virtual Experience for Social Skill Development	84.327	H327A110062	20,816
Improving outcomes for young children with hearing impairment and other disabilities: Technology for audiometric assessment	84.327	H327A110049	54,867
Phase 2: Effectiveness of Mobile EBASS-Classroom	84.327	H327A110052 - 13	13,999
Stepping Up: Sustainable Implementation of Innovations for Student Achievement (SIISA)	84.327	H327S120019 - 16	447,452
Making It Happen: Stepping Up Implementation of IGDI Technology to Improve Data-based Decision Making for Infants and Toddlers with or at-risk for Disabilities	84.327	H327S140024 - 16	321,450
KU Transition to Postsecondary Education for Youth with ID	84.407	P407A150017	60,842
<b><u>Pass through Indiana University</u></b>			
Joint Attention Mediated Learning Intervention for Toddlers with Autism Spectrum Disorders and their Families	84.324	BL-4240321-UK	147,597
<b><u>Pass through Kenai Peninsula Borough School District</u></b>			
Using Assessments to Improve Teaching and Learning in the Kenai Peninsula Borough School District	84.367	260-92-4100-2040-410	48,373
<b><u>Pass through Kansas State Department of Education</u></b>			
Kansas School Readiness Research Project	84.027	652-11-1713	710
Scaling-Up KSDE TASN Evaluation Proposal	84.027	652-15-1860	145,008
Kansas SPDG Evaluation 2012-17	84.323	652-14-1839	68,845
Kansas SPDG Evaluation 2012-17	84.323	652-16-1882	74,837
Accessibility of Technology-Enhanced Assessments	84.368	652-12-1772	82,659
Use of Learning Maps as an Organizing Structure for Formative Assessment	84.368	652-16-1887	388,919

See accompanying notes to schedule.



UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
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Year ended June 30, 2016

<u>Federal Grantor/Program Title</u>	<u>CFDA Number</u>	<u>Identifying Number</u>	<u>Amount</u>
<b><u>Pass through Kansas State Board of Education</u></b>			
Technical Assistance for Kansas 21st Century Community Learning Centers	84.287	652-15-1855	\$ 211,888
<b><u>Pass through MO Dept of Elementary &amp; Secondary Ed</u></b>			
Secondary/Transition Communities of Practice	84.027		6,882
Secondary/Transition Communities of Practice	84.027	Agreement	73,251
Missouri Post-Secondary Success Project	84.027	Agreement	329,851
<b><u>Pass through Ohio State University</u></b>			
Language Bases of Skilled Reading Comprehension	84.305	60023887	136,524
<b><u>Pass through Queens College of CUNY</u></b>			
Development and Validation of the Supports Intensity Scale for Children	84.324	46374-A	29,417
<b><u>Pass through San Francisco State University</u></b>			
Implementing an Emergent Literacy Curriculum for Students with Intellectual Disabilities in General Education Classrooms	84.324	S15-0002	149,223
<b><u>Pass through SRI International</u></b>			
Principles of Cyberlearning to Redesign Secondary Courses to Improve Academic Outcomes Related to Higher Standards for Students with Disabilities and Other Underperforming Students	84.411	51-001305	93,537
<b><u>Pass through Univ of Florida</u></b>			
The Center to Support the Development of Effective Educators to Serve Students with Disabilities	84.325	UFDSP00010564	218,641
<b><u>Pass through Univ of Missouri - Kansas City</u></b>			
Determining the Efficacy of the Self-Determined Career Development Model to Improve Employment Outcomes for Adults with Developmental Disabilities	84.133	59191/00048585	70,569
<b><u>Pass through Univ of Montana</u></b>			
RRTC on the Ecology of Rural Disability	84.133	PG14-25866-03	14
Research and Training Center on Rural Community Living - Year 2	84.133	PG15-25881-03	14,757
<b><u>Pass through Univ of Oregon</u></b>			
National Technical Assistance Center on Positive Behavioral Interventions & Supports IV	84.326	224440C	53,553
Center on Accessible and Supported Electronic Text to Improve Mathematics Achievement for Students with Disabilities	84.327	223810M	1,413
<b><u>Pass through University of Utah</u></b>			
Project ASPIRE: Achieving Success in Promoting Readiness for Education and Employment	84.418	10033712	97,396
<b><u>Pass through US 500, Kansas City</u></b>			
Project STArts: Skillful Thinking in the Arts	84.351	Agreement	48,056
<b><u>U.S. Department of Homeland Security</u></b>			
<b><u>Direct Award</u></b>			
Education Training with Fire Fighters and the Deaf Community	97.044	EMW-2014-FP-00096	80,945
<b><u>U.S. Department of Commerce</u></b>			
<b><u>Direct Award</u></b>			
Drizzle and Cloudiness Transitions in Southeast Pacific Marine Stratocumulus	11.431	NA10OAR4310160	54,384
Collaborative Research: Representing Calving and Iceberg Dynamics in Global Climate	11.431	NA13OAR4310099	32,459
Summer Research Fellowship Application for Mark LaFollette	11.620	70NANB15H126	6,728
<b><u>Pass through KS Information Technology Office</u></b>			
Kansas FirstNet GIS Support Services	11.549	Agreement	32,155
Kansas FirstNet GIS Support Services - Phase 2	11.549	Agreement	25,495
<b><u>Pass through KS Dept of Commerce &amp; Housing</u></b>			
Kansas Statewide Broadband Initiative	11.553	13349-M4	8,676
<b><u>U.S. Department of Defense</u></b>			
<b><u>Direct Award</u></b>			
Armored Software	12.000	H98230-13-C-0264	415,696
Formulation of Inhalable Therapeutic for the Treatment of Acute Pulmonary Melioidosis	12.000	W81XWH-14-P-0317	13,307
Radar Networking	12.000	N00173-14-P-1826	12,988
Advanced Radar Waveforms for Navy Platforms	12.000	N00014-16-C-2029b	12,173
SAR Signal Processing	12.000	N00173-16-P-0582	33,091
Advancing Full Wavefield Seismic Imaging for Analysis, Sensor Concept Development, Analytical and Field Test Evaluations	12.000	W913E5-15-C-0011	419,276

See accompanying notes to schedule.

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SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
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<u>Federal Grantor/Program Title</u>	<u>CFDA Number</u>	<u>Identifying Number</u>	<u>Amount</u>
Cooperative Agreement	12.114	W912DQ-14-2-0005	\$ 65,882
Burst-Mode Synchronization for SOQPSK (SYNC)	12.300	W900KK-11-C-0032	(609)
Improving mesoscale prediction of shallow convection and cloud regime transitions in NRL COAMPS	12.300	N00014-11-1-0518	47,227
Design and Development of an Ultra-Wideband Microwave Radar for Airborne Measurements of Thickness of Snow on Sea Ice	12.300	N00173-13-C-2032	23,102
Establishing Optimal Training Intervals for the Marine Corps Martial Arts Program (MCMAP) For Improvement in Physical Performance and Warrior Mindset	12.300	N00014-14-1-0202	278,758
Cooperative Routing for Dynamic Aerial Layer Networks	12.300	FA8750-14-1-0077	55,109
Trafficking/Terrorism Nexus in Eurasia	12.300	N00014-15-1-2788	118,133
Analog Integrated Circuit Design for Spike-Time-Dependent Encoder and Reservoir in Reservoir Computing Processors	12.300	FA8750-16-2-0120	25,912
Noninvasively relieving joint contracture by using ultrasound-assisted laser technique to remove scar tissues in the knee joint	12.420	W81XWH-15-1-0524	61,879
The Human Geography of Resilience and Change: Land Rights and Political Stability in Latin American Indigenous Societies	12.431	W911NF-13-1-0281	1,131,782
Fundamental Physics of Carbon-based Nanostructures for Infrared and Ultraviolet Detection	12.431	W911NF-12-1-0412	76,404
ARO-YIP (Materials By Design): Organic Photovoltaic Multiferroics	12.431	W911NF-14-1-0443	42,169
Stochastic Evolution Equations Driven by Fractional Noises	12.431	W911NF-13-1-0306	126,564
Studies in the Control of Stochastic Systems	12.431	W911NF-14-1-0390	144,774
Archaeological Curation Agreement with Tulsa District COE	12.431	W912BV-13-P-0078	(1,837)
A High-Order CPR Method on Overset Adaptive Cartesian and Prismatic Meshes for Rotorcraft Flow Simulations	12.431	W911NF-15-1-0505	58,550
3D Sound propagation HPC simulation with impedance and vegetation models.	12.431	W911NF-14-2-0077	76,084
High Performance Computing and Visualization Infrastructure for Simultaneous Parallel Computing and Parallel Visualization Research	12.431	W911NF-15-1-0377	510,577
Fundamental Physics of Carbon-based Nanohybrids for High-performance Infrared and Ultraviolet Detection	12.431	W911NF-16-1-0029	1,389
Cognitive Radar to Address Spectral Congestion	12.431	W911NF-15-2-0063	135,449
Advancing Full Wavefield Seismic Imaging for Analysis, Sensor Concept Development, Analytical and Field Test Evaluations	12.630	W913E5-15-2-0001	670,136
Optimal and Adaptive Control of Stochastic Systems	12.800	FA9550-12-1-0384	52,335
Multidimensional Signal Processing for Sensing & Communications	12.800	FA9550-12-1-0220	429
The Development of High-Order Methods for Real World Applications	12.800	FA9550-12-1-0286	7,503
Neuron Design in Neuromorphic Computing Systems and its Application in Wireless Communications	12.800	FA8750-15-1-0052	70,690
<b><u>Pass through Booz, Allen, Hamilton, Inc.</u></b>			
Master Agreement with BAH	12.800	99736XSB95	55
<b><u>Pass through Brigham Young University</u></b>			
Preamble Assisted Equalization for Aeronautical Telemetry (PAQ)	12.910	13-0360	28,512
<b><u>Pass through Indiana University</u></b>			
Soil Microbial Communities: Critical roles in Control of Non-Native Invasive Species and restoration of Ecosystem Functions	12.000	BL-4324205-KU	32,883
<b><u>Pass through Institute for the Study of Learning &amp; Ex</u></b>			
Autonomous Discovery of Object Properties: Robots That Create Simple Machines	12.300	13431	2,130
<b><u>Pass through Iowa State University</u></b>			
Scalable High-order Methods for Nonhydrostatic Mesoscale Atmospheric Modeling Using Adaptive Unstructured Meshes	12.300	421-20-49	52,907
<b><u>Pass through Matrix Research, Inc.</u></b>			
Waveform Design & Processing for the CERFER Program	12.000	S014-012	189,888
<b><u>Pass through Ohio State University</u></b>			
Arylimidamide-Azole Combinations against Leishmaniasis	12.420	60042198	74,683
<b><u>Pass through Pennsylvania State University</u></b>			
2014 NGA UARC Program	12.000	S15-18	25,901
<b><u>Pass through Pinnacle Technology Inc</u></b>			
Applications and Methods for Continuous Monitoring of Physiological Chemist	12.000	Pin 2013-164KU	92,614
<b><u>Pass through Quasonix, LLC</u></b>			
Dual S & C-Band Telemetry Transmitter System	12.000	15784	136,016
Miniaturized, Power Efficient C-band Telemetry	12.000	16760	96,819
Miniaturized, Power Efficient C-band Telemetry	12.002	14931	6,916

See accompanying notes to schedule.

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<b><u>Pass through Science Applications Int'l Corp</u></b>			
Upgrading the Operational Submarine Mental Health Screening Test (SUBSCREEN) to Better Predict Psychological and Legal Discharges during First Term Enlistment	12.000	P010125355	\$ (3,506)
<b><u>Pass through SOLUTION IES, INC.</u></b>			
Estimating Mobile-Immobile Mass Transfer Parameters using Direct Push Tools	12.000	2015.0031.ARMY	53,954
<b><u>Pass through Univ of Texas at San Antonio</u></b>			
Sea Ice and Near-Surface Geophysics Research Instrumentation	12.300	1000000474	(3,578)
<b><u>Pass through USD 207 - Fort Leavenworth</u></b>			
Cyber T.E.A.M.S.	12.556	Agreement	23,195
<b><u>U.S. Department of Energy</u></b>			
<b><u>Direct Award</u></b>			
Molecularly Assembled Material Architectures for Solar Energy Production, Storage and Carbon Capture	81.049	0190 G MA563	10,605
Collaborative Research: Cloudiness Transitions within Shallow Marine Clouds Near the Azores	81.049	DE-SC0006736	75,339
Hunt for New Physics at the Large Hadron Collider	81.049	DE-SC0007863	53,498
Targeting DOE-Relevant Ions with Supramolecular Strategies	81.049	DE-SC0010555	160,833
Collaborative Research: Polymeric Multiferroics	81.049	DE-SC0010385	95
Integrated Mesoscale Architectures for Sustainable Catalysis	81.049	130298-5091731	100,870
Understanding of Catalysis on Early Transition Metal Oxide-based Catalysts through Exploration of Surface Structure and Chemistry during Catalysis Using In-situ Approaches	81.049	DE-SC0014561	39,490
Study of quasi-collisional effects in laboratory and astrophysical plasmas	81.049		480
Atomic and Molecular Physics in Strong Fields	81.049	DE-FG02-04ER15504	49,946
Research in Heavy-Ion Nuclear Physics at CMS	81.049	DE-FG02-96ER40981	590,878
Understanding Nanoscale Confinement Effects in Solvent-Driven Chemical Reactions	81.049	DE-FG02-05ER15708	112,759
Studies of HED Plasmas with Self-Generated Magnetic Fields (f.k.a. Properties and Nonlinear Dynamics of Weibel Turbulence)	81.049	DE-FG02-07ER54940	2,148
Small Scale Field Test Demonstrating CO2 Sequestration in Arbuckle Saline Aquifer and by CO2-EOR at Wellington Field, Sumner County, Kansas	81.089	DE-FE0006821	2,770,856
US CMS Group at University of Kansas for Maintenance and Operations Activities Related to the US CMS RP Common Operations Subsystems for FY 2009	81.121	573686	(133)
<b><u>Pass through Georgia Institute of Technology</u></b>			
A New IT-SOFC Based on a Dual-Phase (H+ & O2-) Electrolyte Tailored for Efficient Utilization of Hydrocarbon Fuels	81.135	RF183-G1	46,577
<b><u>Pass through Honeywell</u></b>			
Nano-hybrid radiation detector	81.000	N000162883	137,535
Professional Engineering Services	81.000	N000160733	2,982
Miniaturization and Repackaging of Microwave Comp. for Ultra-Wideband Radar	81.000	N000183939	26,581
<b><u>Pass through Metropia, Inc.</u></b>			
Connecting Travelers to Reduce Energy Use in Transportation	81.135	716001-002	8,493
<b><u>Pass through Pacific Northwest National Laboratories</u></b>			
Design, construction, and implementation of novel biofuel production capabilities in filamentous fungi	81.000	207062	62,912
Expression of Polyketide Synthases in Aspergillus nidulans	81.000	274485	12,302
<b><u>Pass through Rsch Partnership to Secure Energy for Am</u></b>			
Field Demonstration of Chemical Flooding of the Trembley Oilfield, Reno County, Kansas	81.089	11123-28	410,973
<b><u>Pass through TVN Systems Inc</u></b>			
HBr-based flow battery electrocatalyst synthesis and shunt current protection	81.135	15356	17,870
<b><u>Pass through Univ of California Regents</u></b>			
Konza Prairie Subcontract	81.000	7114774	39,673
<b><u>Pass through Univ of Maryland-College Park</u></b>			
Manganese-Based Permanent Magnets with 40MGOe3 at 200C	81.135	Z713204	530
<b><u>Pass through URS Corporation</u></b>			
Enhancement of National Carbon Sequestration Database and Geographic Information System (NatCarb)	81.000	RES1503897	(3)

See accompanying notes to schedule.

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
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<b><u>U.S. Department of Interior</u></b>			
<b><u>Direct Award</u></b>			
Curation for the United State Army Corp of Engineers	15.000	W912DQ-14-P-1037	\$ 9,806
Management of Protected and Sensitive Species Data for Environmental Review and State Wildlife Conservation Planning	15.634	Agreement	24,379
Mapping subsurface lineaments, present-day stresses, and brine disposal data in southern Kansas: A new approach for identifying areas at risk for injection-induced seismicity	15.807	G16AP00022	1,050
Geologic Mapping in Kansas for FY14	15.810	G14AC00226	17,589
Mapping the Geology and Geomorphology of Terraces and Paleochannels in the Arkansas River Valley of Western Kansas: EDMAP Support of Graduate Research	15.810	G14AC00114	(118)
Geologic Mapping in Kansas for FY15	15.810	G15AC00225	97,239
Kansas Oil and Gas Well Geologic Data, Records, and Samples Preservation, FY2014	15.814	G14AP00124	17,465
Kansas Oil, Gas, and Water Well Geologic Data, Records, and Samples Preservation FY2015	15.814	G15AP00120	30,435
Experimental Geothermal Mapping Utilizing Drill-Stem Test Data	15.819	G15AC00286	10,333
<b><u>Pass through AmericaView Inc.</u></b>			
State View Program Development and Operations for the State of Kansas	15.815	AV13-KS02-Mod2	2,922
State View Program Development and Operations for the State of Kansas - GY15	15.815	AV13-KS01	22,239
<b><u>Pass through Kansas State University</u></b>			
Fate of High Uranium in Saline Arkansas River Water in South west Kansas: Distribution in Soils, Crops, and Groundw ater	15.805	S14205	26,537
<b><u>Pass through KS Dept of Health &amp; Environmt</u></b>			
Floristic Quality Assessment of Sites in Southeast Kansas	15.658	Agreement	18,541
<b><u>Pass through KS Dept of Wildlife Parks &amp; Tourism</u></b>			
Supporting Kansas Department of Wildlife, Parks and Tourism Natural Resource Management Objectives Using Geographic Information Systems (GIS) & Internet Mapping Technologies	15.611	Agreement	11,641
Supporting Kansas Department of Wildlife, Parks and Tourism Natural Resource Management Objectives Using Geographic Information Systems (GIS) & Internet Mapping Technologies	15.611	Agreement	3,922
Geographic Information System (GIS) & Remote Sensing Support Services	15.611	Agreement	75,162
Management Of Protected And Sensitive Species Data For Environmental Review And State Wildlife Conservation Planning	15.634	Agreement	10
2015 Recovery Plan for the Redbelly and Smooth Earth Snakes	15.634	Agreement	5,765
<b><u>Pass through KS Water Resources Institute</u></b>			
Assessing Natural Variability in Groundw ater/Surface Water Interactions	15.805	S14204.01	15,622
Assessing the impact of constructed wetlands on nitrogen transformation and release from tile outlet terraces (TOTs) in Kansas	15.805	S16145	358
Contaminant barriers or pathw ays? Hydraulic and Chemical Methods to Improve Characterization of Shallow Aquitards	15.805	S16150	590
<b><u>U.S. Department of Justice</u></b>			
<b><u>Direct Award</u></b>			
DNA forensics using single molecule technology: from DNA recovery and extraction to genotyping degraded and trace evidence without PCR	16.560	2011-DN-BX-K542	10,988
<b><u>Pass through Douglas County Sheriff's Office</u></b>			
AID Evaluation	16.745	18164	1,726
<b><u>U.S. Department of Labor</u></b>			
<b><u>Pass through KS Board fo Regents</u></b>			
Examination of Educational and Wage Outcomes for Students Participating in Workforce Trainings as Compared to Peers	17.261	Agreement	9,370
<b><u>Environmental Protection Agency</u></b>			
<b><u>Direct Award</u></b>			
Harvesting the Otherw ise Wasted Heat of LED Lights in Green Buildings	66.516	83613401	14,938
<b><u>Pass through KS Dept of Health &amp; Environmt</u></b>			
2013-2014 National River and Streams Assessment (NRSA)	66.436	2013-NRSA1	470
<b><u>Pass through KS Water Office</u></b>			
Pre- and Post-bank stabilization monitoring on the Cottonw ood River - a fish survey	66.458	14-111	1,769
<b><u>Pass through Missouri Department of Natural Resources</u></b>			
Development of Missouri Reference Wetlands	66.461	G14-WET-01	97,916

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<b><u>U.S. Department of Health and Human Services</u></b>			
<b><u>Direct Award</u></b>			
Adjuvants Discovery Program	93.000	HHSN272201400056C	1,112,429
Synthetic Chemistry of Active anti-HCV Compounds	93.000	HHSN276201400616P	11,667
Translating Effective Maltreatment Intervention into the Community	93.061	R18CE001705	605
Kansas Serves Substance Affected Families	93.087	90CU0077-02-01	520,193
Development of an Integrated Mathematical Model for Comparative Characterization of Complex Molecule	93.103	5U01FD005285-02	307,040
A Mobile Web-Based Parenting Intervention to Strengthen Social-Emotional Development of Very Low Birth Weight Infants	93.110	6R40MC26822-02-03	304,046
Bridging the Word Gap-Intervention Research Network	93.110	5 UA6MC27762-02-01	311,003
TALK Around Town: A Mobile Application to Help Parents Bridge the Word Gap in Community Settings	93.110	Agreement	948
Integrative colloidal gels for cranial defect repair	93.121	5R01DE022472-04	266,979
Proton Sponge Adhesives, Interfacial Milieu: Molecular Structure-Mechanics	93.121	5R01DE022054-05	282,043
Peptide-Polymer Engineering Dentin/Adhesive Interfacial Bond Integrity	93.121	5R01DE025476-02	214,068
Twins and Singletons with Specific Language Impairments	93.173	4R01DC005226-15	335,369
Interactive book reading to accelerate word learning by children with SLI	93.173	4R01DC012824-04	279,411
Peer-Mediated AAC Intervention for Children with Autism: Effects on Communication	93.173	4R01DC0125630-04	295,204
Biobehavioral Sciences of Communication Disorders	93.173	5P30DC005803-14	192,980
Investigating output modality for a brain-computer interface for communication	93.173	5R03DC011304-03	44,079
Morphosyntactic Abilities of SLI Proband	93.173	5R01DC001803-21	398,094
Deciphering gene-environment interactions in pathological reactive aggression	93.242	5R01MH104603-02	653,612
Trauma exposure, emotion regulation and cognitive skills in early childhood: Prospective and longitudinal examination of the mechanisms of adjustment	93.242	2R01MH079252-06	360
Testing Determinants of Resilience: Mental Health, Child Maltreatment and Adaptive Behavior Outcomes	93.242	5R01MH079252-05	13,160
Behavioral Health Scholars Program	93.243	G02HP27982	384,089
Investigation of neoclerodanes as Novel Opioid Ligands	93.279	5R01DA018151-10	107,031
Development of novel opioid peptides for cocaine abuse	93.279	5R01DA032928-03 REV	60,787
Peptidic Kappa Opioid Receptor Ligands as Potential Treatments for Drug Addiction	93.279	2R01DA023924-06A1	(5,335)
Investigation of Neoclerodanes as Novel Opioid Ligands	93.279	2R01DA018151-11A1	18,347
Evaluation of Physicochemical Properties Imparted by Fluorinated Peptidomim	93.279	1R21DA036730-02	179,747
CFD Research Support for NIOSH-ESTCP Interagency Agreement on Military Aircraft Painting Ventilation	93.283	200-2014-M-59616	9,759
Development and Evaluation of Purine and Coumarin Based Hsp90 Inhibitors	93.310	5U01CA120458-09	53,021
University of Kansas Specialized Chemistry Center	93.310	5U54HG005031-06	112,401
A resource for the genetic analysis of complex traits	93.351	8R01OD010974-05	22,814
A resource for the Genetic Analysis of Complex Traits	93.351	5R01OD010974-07	145,657
Fiber Laser Excitation CARS Microscopy with Auto-Synchronized Chirped Femtosecond Pulses	93.389	1R21RR032377-01	2,352
Cognitive and Emotional Processes of Metaphorical Cancer Communications	93.393	5R01CA185378-03	282,664
Integrated Microfluidic Exosome Profiling for Early Detection of Cancer	93.394	5R21CA186846-03	207,576
Synthetic Cell Surface Receptors for Anticancer Drug Delivery	93.395	5R01CA083831-12	23
Hsp90 Inhibitors	93.395	5U01CA109265-09	41,730
Development of Hsp90 inhibitors for the treatment of cancer	93.395	4R01CA167079-05	250,924
Biomaterials for treatment of head and neck cancer	93.395	4R01CA173292-04	238,554
Small molecules modulating RNA-binding protein Msi1	93.395	5R01CA178831-02	455,430
Molecular cancer therapy targeting HuR-ARE interaction	93.395	5R01CA191785-02	344,178
Development and Evaluation of Purine and Coumarin Based Hsp90 Inhibitors	93.395	2R01CA120458-10A1	183,779
Access to Success: Replication and Impact of a Training Program Supporting Post-Secondary Students in Requesting Disability Accommodations	93.433	90IF0082-02-01	165,978
Rehabilitation Research and Training Center on Community Living	93.433	90RT5015-02-01	986,933
Assessing Family Employment Awareness Training (FEAT)	93.433	90IF0058-02-01	177,153
I-CONNECT PLUS: Enhancing Community Participation for Adolescents and Adults with ASD using Online Instruction, Coaching, and Accessible Self-Management Technologies	93.433	90DP0058-02-01	471,265
Project Engage: Building Parents' Capacity to Improve Child Language Outcomes	93.615	6 R62MC24946-03-01	71,227
Kansas Intensive Permanency Project (KIPP)	93.648	90CT0152-05-00	1,042,519

See accompanying notes to schedule.

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A Randomized Trial of Recommendations for Exercise to Prevent Weight Regain	93.837	4R01HL111842-05	\$ 748,205
Peptide Enabled Self Assembled Reconfigurable Implant Coatings	93.846	R21AR062249-03	33,493
Gradient-based strategy for osteochondral regeneration	93.846	5R01AR056347-05	17,785
Inflammation, PXR Modification and Drug Disposition	93.847	5R01DK090558-04	68,820
Chaperones in Diabetic Peripheral Neuropathy	93.847	4R01DK095911-04	313,588
Cytoskeletal Signaling and Axon Guidance	93.853	5R01NS040945-12	16,804
Modulating the BBB to Improve Drug Delivery to the Brain	93.853	5R01NS075374-04	236,760
Chaperone Therapeutics for the Treatment of DPN	93.853	5R01NS075311-04	164,154
Microdialysis Studies of Seizure-Induced Oxidative Stress	93.853	5R01NS066466-06 REV	277,510
Methods for Measuring Sub-second Neurotransmitter Interactions	93.853	5R21NS077485-02	31,087
Role of LRG-47 (Irgm1) in EAE	93.853	5R01NS065482-05	151,044
HTS to identify small molecules to disrupt abnormal huntingtin interactions in HD	93.853	1R01NS088059-02	285,334
RAGE and mitochondrial degeneration in diabetes	93.853	1R01NS089116-02	270,260
Analytical Methods for Investigating Peptide Transport	93.853	5R01NS042929-09	(1)
Regulation of Virulence Gene Expression in Chlamydia	93.855	5R01AI079083-05	166,760
Structure-function analyses of siderophore biosynthetic enzymes	93.855	5K02A093675-04	28,839
Characterization of PTMs on Env to support HIV vaccine development	93.855	5R01AI094797-04	317,147
Biomechanical and Computational Molecular Design of Microbicide Delivery Systems	93.855	5R33AI082697-05	136,917
Development and Validation of Conditional Gene Expression Systems in Chlamydia	93.855	5R21AI103711-02	33,696
NMR studies of bacterial needle and tip proteins	93.855	5R01AI074856-08	343,343
The Regulation of Autolysis in Enterococcus Faecalis	93.855	5R01AI077782-06	167,415
Stable needleless vaccine against Shigella spp	93.855	1R21AI105467-02	197,232
The multiple states of IpaB Shigella type III secretion	93.855	5R01AI099489-05	517,327
Assessment of serotype-independent immunity elicited by Shigella T3SS protein	93.855	5R01AI113307-03	339,339
Assembly/function of the sorting platform of the Shigella type III secretion apparatus	93.855	1R01AI123351-01	26,075
Viral and host responses to HSV infection	93.855	5R01AI072357-04Rev	5,222
Center for Excellence in Chemical Methodologies and Library Development	93.859	5P50GM069663-10	(291)
Genome packaging of DNA viruses	93.859	5R01GM090010-05	166,553
Mechanisms and Energetics of Transmembrane-induced Signaling of Cytokine Receptors	93.859	5R01GM092950-05	143,426
A Genomic Analysis of Sexual Trait Various Within and Between Species	93.859	5R01GM085260-04	121,599
Identifying inhibitors of protein interactions using pocket optimization	93.859	4R01GM099959-05	253,044
Molecular Analysis of Disease Pathways	93.859	5P20GM103638-04	2,106,822
Structural and Functional Properties of cylophilin D and Abeta interaction	93.859	5R01GM095355-05	21,842
University of Kansas/Haskell Indian Nations University IRACDA Project	93.859	4K12GM063651-15	461,059
The Role of Glycosylation in Regulating Immune Responses	93.859	5R01GM090080-05	91,662
Human Cytochrome P450 4F Enzymes and Drug Interactions	93.859	5R01GM089994-06	93,346
Structure and Function of Cytochrome P450 17A1	93.859	5R01GM102505-04	246,837
Integrated Resource for Protein Recognition Studies	93.859	5R01GM074255-11	254,905
Center for Cancer Experimental Therapeutics	93.859	5P30GM103495-05	13,096
Fiber Laser Excitation CARS Microscopy with Auto-Synchronized Chirped Femtosecond Pulses	93.859	5R21GM103478-03	9,639
Development of a rapid glycosylation profiling system using mass spectrometry data	93.859	5R01GM103547-07	252,946
Protein Structure and Function	93.859	5P30GM110761-02	1,046,864
Legacy continuation of the KU CMLD Mission	93.859	5R24GM111385-03	550,997
Mentoring Workshop for New Faculty in Organic and Biological Chemistry	93.859	5U13GM070824-12	34,530
Regulation of kinetochore function by Topoisomerase II	93.859	5R01GM112793-02	364,136
Crystallographic and NMR studies of the Human Cytochrome P450 enzyme responsible for inactivating vitamin D	93.859	1K99GM112862-02	89,539
Understanding the roles of PTMs in modulating molecular functions of lysyl oxidase-like 2 in breast cancer cells	93.859	5R01GM113101-02	273,173
Structural Basis of Cytochrome P450 Activity	93.859	5R37GM076343-11	298,373
KU Post Baccalaureate Research Education Program (PREP)	93.859	2R25GM078441-10	354,770
A Genomic Analysis of Complex Trait Variation in Mimulus	93.859	5R01GM073990-08	345,248
Methods for Bioactive Compound Synthesis	93.859	4R01GM077309-08	317,039
Kansas Intellectual and Developmental Disabilities Research Center (KIDDRC)	93.865	5P30HD002528-49REV	1,494,190
Demographic and Educational Effects on Long-Term Earnings	93.865	5R03HD073464-02	33,538
Interactions of MAO A with vulnerability factors for aggression	93.865	7R21HD070611-03	-
Visual Attention, Joint Attention and Emergent Language in Infants	93.865	5K99HD075886-01	9,414
Molecular determinants of retinoid metabolism in embryonic tissues	93.865	5R01HD077260-03	294,350

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The CCS: A Treatment Outcome Measure for Individuals with Severe ID	93.865	4R01HD076903-04	\$ 359,958
The effects of parenting on the development and behavior of FXS adolescents	93.865	1R01HD084563-01A1	23,037
Behavioural and institutional barriers to HIV prevention among migrant women	93.865	7R21HD078201-03	107,894
Economic Explanations for Gender Differences in Biomedical Careers	93.866	5R01AG036820-04	66,324
Role of Cyclophilin D in Abeta-Induced Synaptic Injury	93.866	5R37AG037319-05S1	39,079
Mitochondrial degrading enzyme, synaptic mitochondrial function in AD mouse model	93.866	5R01AG044793-02	355,560
Role of cyclophilin D in Abeta-induced synaptic injury	93.866	5R37AG037319-07	194,889
Epidemiology and Development of Alzheimer's Disease (EDAD)	93.989	1R21TW009665-02	21,042
<b><u>Pass through Arizona State University</u></b>			
Family Migration and Early Life Outcomes	93.865	16-849	34,609
<b><u>Pass through Battelle Memorial Institute</u></b>			
Studying Community Programs to Reduce Childhood Obesity	93.000	236802	(13,960)
Studying Community Programs to Reduce Childhood Obesity	93.000	236802	268,386
<b><u>Pass through Boston University</u></b>			
Modification of cardiovascular proteins by metabolic disease	93.000	4500001386	15,680
<b><u>Pass through Brigham &amp; Women's Hospital Research Admi</u></b>			
Biochemical and in vivo determinants of tau neurotoxicity	93.853	108506	187,139
<b><u>Pass through Chapel Hill Training Outreach Project Inc</u></b>			
National Center for Community-Based Child Abuse Prevention	93.590	Agreement	15,427
National Center for Community-Based Child Abuse Prevention	93.590	Agreement	48,698
<b><u>Pass through Children's Mercy Hospitals &amp; Clinics</u></b>			
Adapting the Diabetes Prevention Program for a developing world context	93.837	16-0004	798
<b><u>Pass through Community Health Council of Wyandotte Co</u></b>			
Centers for Disease Control and Prevention 1422 Implementation Plan	93.757	Agreement	35,000
Centers for Disease Control and Prevention 1422 Implementation Plan	93.757	Agreement	22,815
<b><u>Pass through Cornell Univ</u></b>			
CETR for Drug-Resistant Tuberculosis: Hits, Leads, and Targets	93.855		14,120
<b><u>Pass through Douglas County Health Dept.</u></b>			
PICH Evaluation	93.331	Agreement	12,554
<b><u>Pass through FRIENDS National Resource Center for Com</u></b>			
National Center for Community-Based Child Abuse Prevention	93.590	Agreement	(42)
<b><u>Pass through Georgia Regents University Augusta</u></b>			
Coupling Pharmacogenetics and RNA-Seq to Identify Hsp70-dependent Gene Networks	93.847	25034-42	(1)
<b><u>Pass through Health Research, Inc</u></b>			
B cell epitope discovery and mechanisms of antibody protection	93.000	4889-01	225,378
B cell epitope discovery and mechanisms of antibody protection	93.000	4889-02	230,769
<b><u>Pass through Indiana Univ -Purdue Univ. Indianapolis</u></b>			
A Pilot Test of CommonGround Based Shared Decision-Making	93.242	IN4694750UK	114
BREATHE-OUT Burnout Reduction: Enhanced Awareness, Tools, Handouts, and Education-Organizational Understanding and Training	93.242	Agreement	6,452
<b><u>Pass through Institute for Research on Poverty</u></b>			
Parental Behaviors, Genes, and the Intergenerational Transmission of Poverty	93.239	547K061	1,337
<b><u>Pass through Kansas Children's Service League</u></b>			
Adolescent Family Life Demonstration Project	93.995		(4)
<b><u>Pass through Kansas State University</u></b>			
High-throughput Fluorescence Screening for Inhibitors of TonB-dependent Iron Transport	93.855	S16014	50,571
<b><u>Pass through Kennedy Krieger Institute</u></b>			
Translational Analyses of Chronic Aberrant Behavior Across the Life Span - Project 1	93.865	615.271E	7,115
<b><u>Pass through KS Children's Cabinet and Trust Fund</u></b>			
Community-Based Grants for the Prevention of Child Abuse and Neglect (CBCAP) 2016	93.590	40022	21,227
<b><u>Pass through KS Dept for Aging and Disability Service</u></b>			
Supported Employment Program	93.243	Agreement	184,359
Transforming Lives through Supported Employment	93.243	Agreement	35,350
Title XIX-Adult Mental Health	93.778	Agreement	1,246,998
Title XIX - Children's Mental Health FY 2016	93.778	Agreement	242,163
Kansas Institute for Positive Behavior Supports	93.789	Agreement	6,703
Kansas Institute for Positive Behavior Supports	93.789	Agreement	131,593

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<b><u>Pass through KS Dept for Children and Families</u></b>			
Title XIX-Children's Mental Health	93.242	Agreement	\$ 13,284
<b><u>Pass through KS Dept of Health &amp; Environment</u></b>			
The Kansas Project LAUNCH Initiative - Project Management	93.243	Agreement	(2,779)
Kansas Project LAUNCH (evaluation)	93.243	Agreement	(188)
Kansas Early Childhood Comprehensive Systems (KECCS) Year 3	93.110	Agreement	94,742
Kansas Maternal, Infant and Early Childhood Home Visiting Program	93.505	Agreement	(109)
Kansas MIECHV Competitive Evaluation	93.505	Agreement	328,186
Kansas MIECHV Formula Fund Performance Management + CQI Analysis and Report Development	93.505	Agreement	66,835
Kansas Maternal, Infant and Early Childhood Home Visiting Program	93.505	Agreement	112,287
Kansas MIECHV Program	93.505	Agreement	96,164
Kansas Maternal, Infant and Early Childhood Home Visiting Program	93.505	Agreement	2,899
Healthy Start Initiative: Eliminating Disparities in Perinatal Health	93.926	Agreement	7,026
Healthy Start Initiative: Eliminating Disparities in Perinatal Health	93.926	Agreement	147,265
Healthy Start Initiative: Eliminating Disparities in Perinatal Health	93.926	Agreement	28,115
<b><u>Pass through KS State Univ, SPA</u></b>			
The function of serpin-2 in mosquito immunity and physiology	93.855	S11224.05	5,198
Norovirus 3CL Protease-Based Anti-norovirus Therapeutics	93.855	S14158.03	28,911
<b><u>Pass through Lehigh University</u></b>			
Investigation of Caveolin Structure, Topology, and Oligomerization	93.859	542626-78001	61,595
<b><u>Pass through Leidos Biomedical Research Inc.</u></b>			
Evaluate and Compare the Relative Solubility of Various Neutralizing Monoclonal Antibodies to HIV-1 Envelope Using a PEG Based Solubility Assay	93.859	15X004	16,379
<b><u>Pass through Materia Inc.</u></b>			
Si-ROMP Hybrid Reagent/Scavengers for High Throughput Chemistry	93.859	12703	1
Recyclable Magnetic Co/C Hybrid ROMP Reagents, Scavengers and Ligands	93.859	16951-M1	253,384
<b><u>Pass through Mayo Clinic</u></b>			
Spirit of Eagles Community Network Program	93.397	63851292	4,798
<b><u>Pass through NanoPharm LLC</u></b>			
Targeted nanoparticle treatment for breast cancer stem cells	93.000	18150	625
<b><u>Pass through Nanoprobes, Inc.</u></b>			
Conductive Metallography for Serial Section Electron Microscopy at Nanometer Resolution	93.242	Agreement	63,958
Luminescent metal complex probes for correlative microscopy	93.859	Agreement	27,450
<b><u>Pass through National Institute for Pharm Tech &amp; Educ</u></b>			
Physicochemical and biological evaluations of different IgG1 Fc glycoforms as a model for biosimilar comparability analysis	93.103	NIPTE-U01-KS-2014-00	8,694
Determination of Local Concentrations of Bupivacaine Using Microdialysis Techniques	93.103	NIPTE-U01-KS-2014-00	94,302
<b><u>Pass through Net Esolutions Corporation</u></b>			
Understanding Career Outcomes of Physician Scientists in the United States	93.000	NETE-KU-OEP-2014	23,811
<b><u>Pass through NORC at University of Chicago</u></b>			
Kansas Project LAUNCH Special Study Phase 3	93.000	1400000772	3,750
<b><u>Pass through Northeastern University</u></b>			
Prosody in Congenital and Acquired Dysarthria	93.173	500329-78050	39,823
<b><u>Pass through OK Dept of Mental Health &amp; Substance Abuse</u></b>			
Evaluation of the Oklahoma Partnership Initiative, Phase 2 2012-2017 Project	93.087	4529046028	(2,755)
Evaluation of the Oklahoma Partnership Initiative, Phase 2 2012-2017 Project	93.087	4529048844	33,761
Evaluation of the Oklahoma Partnership Initiative, Phase 2 2012-2017 Project	93.087	4529051282	39,906
Okmulgee County Family Drug Court Enhancement Evaluation	93.243	4529051608	4,934
<b><u>Pass through Oregon Research Institute</u></b>			
Web-based Parenting Intervention for Mothers of Infants At-Risk for Maltreatment	93.865	Agreement	(11,149)
<b><u>Pass through Pinnacle Technology Inc</u></b>			
A Tissue Implantable Microbiosensor	93.242	Pin 2015-168KU	137,102
Development of a Nicotine Biosensor	93.279	Pin 2012-161KU	(5,699)
Development of a Nicotine Biosensor	93.279	Pin 2013-165KU	96,453
<b><u>Pass through Quality Trust for Individuals With Disabilities</u></b>			
Supported Decision-Making Technical Assistance and Resource Center	93.361	Agreement	56,216

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<b><u>Pass through Syracuse University</u></b>			
Community Living and Supported Decision-Making	93.433	28373-04197-S01	\$ 19,136
<b><u>Pass through Tulane University</u></b>			
Pediatric HIV/Aids Cohort Study (PHACS)	93.865	TUL-HSC-553704-15/16	19,546
<b><u>Pass through Uni of Chicago</u></b>			
Membrane Protein Structural Dynamics Consortium	93.859	FP043359-N	88,221
Membrane Protein Structural Dynamics Consortium	93.859	FP043359	55,722
<b><u>Pass through Univ of Alabama-Tuscaloosa</u></b>			
Natural disaster effects on aggressive children and their caretakers: Outcomes across time	93.865	UA 14-016	32,674
<b><u>Pass through Univ of Illinois</u></b>			
Regional Career Development Conference at the Chemistry-Biology Interface	93.859	2012-05394-04(AA935)	993
<b><u>Pass through Univ of Kansas Cancer Center</u></b>			
NCI Cancer Center Support Grant	93.397	QJ85912A-Neufeld	(8,700)
NCI Cancer Center Support Grant	93.397	QJ85912A - Neufeld	28,152
High throughput screening of inhibitors specific for lysyl oxidase-like 2	93.397	QJ85912P	33,984
Adolescents' behavioral and neural responses to e-cigarette advertisements	93.397	QJ85912S	7,580
<b><u>Pass through Univ of KS Med Ctr Research Institute</u></b>			
Pharmacokinetic and Metabolism Studies of Auranofin as a Treatment for Relapsed Chronic Lymphocytic Leukemia	93.000	QW853790	16,616
Development of a new approach to screening for language impairments	93.173	16837	36,995
Understanding Disparities in Quitting in African American and White Smokers	93.279	QN858271	27,945
Impulsivity as a Mechanism to Predict Treatment Outcome in Childhood Obesity Using fMRI	93.350	QB85443J	(3,715)
The context of social determinants on disparities, disease management, and health behaviors & outcomes among Black males: Catalyst of a crisis from reactive to preventive personal care	93.350	QB85444K	11,359
Blind Processing for Better Speech Recognition with Cochlear Implant Devices	93.350	QCTSA125	2,264
S.C.O.R.E. Students for Community-Oriented Research and Education	93.351	ZAC00010	16,603
Novel Dual Notch/PXR Targeting for Colon Cancer Therapy	93.395	QA863650	14,518
(PQC3) Essential Role of BCL9 in Promotion of Human DCIS to Invasive Ductal Carci	93.396	QB864540	5,043
NCI Cancer Center Support Grant- Core C Lead Development Optimization	93.397	QJ85912C - A. Roy	7,775
NCI Cancer Center Support Grant- Core C Lead Development	93.397	QJ85912C-Baltezor	56,926
NCI Cancer Center Support Grant	93.397	QJ85912A - Aube	20,726
Project EAGLE Early Head Start Expansion	93.600	QS814209	74,075
Project EAGLE Early Head Start Expansion	93.600	QS814211	136,672
Secondary Analyses of Strengthening Families Datasets	93.647	G001401-7500	24,717
Development of a Validated Allocation Plan Instrument for Work Opportunities Reward Kansans (WORK)	93.768	KDHE2015-075	54,144
Title XIX-Children's Mental Health FY 2015	93.778	Agreement	263,990
Title XIX-Adult Mental Health	93.778	Agreement	480,924
Study of Bone Marrow Failure Caused by B19 Virus Infection	93.837	QQ854550	(340)
Neuroimaging Studies of Reward, Impulsivity and Adherence to an Exercise Program	93.847	QS85015A	2,649
Weight Loss and Maintenance for Individuals with IDD	93.847	QD852900 - Mod #4	21,592
Physical Activity and Academic Achievement (A+PAAC)	93.847	QD852890	23,343
A virtual reality intervention (Second Life) to improve weight maintenance	93.847	QS859810	16,236
Identification and Characterization of inhibitors for hantavirus replication	93.855	QM855050	423
Kansas IDeA Network of Biomedical Research Excellence	93.859	1000812050	3,052
Cellular Pathologies Arising from Metabolic Trade-offs	93.859	1000812044	20,591
Bridge- Activation of heat shock to prevent inflammation associated colon cancer	93.859	1000812045	(811)
Acquisition of a High-Throughput Tissue Homogenizer for Preparation of Genome Sequencing Samples	93.859	100812043	1,227
Inhibitors of AraC family virulence activators in Enterotoxigenic E. coli and Shigella	93.859	1000818650	24,594
Kansas IDeA Network of Biomedical Research Excellence (K-INBRE)	93.859	1000812049	(2,721)
Kansas IDeA Network of Biomedical Research Excellence (K-INBRE)	93.859	QW864600	19
Bridge Proposal: Integrated Digital Microfluidic Platforms for Next-Generation Glycomics	93.859	QW864610	60,000
Nanobiotechnologies to Study Tumor-Derived Exosomes	93.859	QW864610	37,826
Automated NMR Data Analysis Software	93.859	QW864610	11,443
Development of a liver-on-a-chip technology for study of liver disease	93.859	QJ853940	71,464
Morphogenetic Tissue Movements in Early Embryos	93.859	QC865820	24,317

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Cellular Pathologies Arising from Metabolic Trade-offs	93.859	QW864610	\$ 108,060
K-INBRE Campus Coord yr 2	93.859	QW864610	13,816
K-INBRE Star Trainees yr 2	93.859	QW864610	29,261
K-INBRE Summer Scholars yr 2	93.859	QW864610	30,192
K-INBRE Undergrad Coord yr 2	93.859	QW864610	77,680
K-INBRE Bioinformatics Core Facility	93.859	QW864610	142,335
Kansas IDeA Network of Biomedical Research Excellence (K-INBRE)	93.859	QW864610-Mod 1	1,768
Kansas IDeA Network of Biomedical Research Excellence (K-INBRE)	93.859	QW864610	1,775
Targeting TolC oligomerization to potentiate antibiotics	93.859	QW864620	17,026
K-INBRE Campus Coord yr 3	93.859	QW864620	708
K-INBRE Star Trainees yr 3	93.859	QW864620	2,020
K-INBRE Summer Scholars yr 3	93.859	QW864620	4,691
K-INBRE Undergrad Coord yr 3	93.859	Agreement	3,591
K-INBRE Bioinformatics Core Facility	93.859	QW864620	12,117
DHA Supplementation and Pregnancy Outcomes	93.865	QC816712	47,471
Weight Management for Adolescents with IDD	93.865	QD867310	19,288
Adaptation and Validation of a Nutrition Literacy Assessment Instrument	93.865	QG865290	8,531
Weight Management for Adolescents with IDD	93.865	PO#1000848347	10,073
Effect of Aerobic Exercise on Alzheimer's Pathophysiology in Preclinical AD	93.866	QB862290	2,699
Mito Genomics Metabolism: Core G	93.866	QS85524G-1	(1,615)
University of Kansas Alzheimer's Disease Core Center	93.866	QS85524B	12,279
Sex and Sex Hormones, Clusterin (APOJ), and Brain Metabolism	93.866	QS85524H	9,891
Proposal to Dennis Anderson, Boston PI for his project "Age-related Changes in Thoracic Spine Biomechanics"	93.866	01026760	27,804
Biomarkers of Alzheimer's Disease in Peripheral Cell Mitochondria	93.866	QS85525H	43,068
Mito Genomics Metabolism: Core G	93.866	QS85525G	93,887
Oxidation of ceruloplasmin as a novel biomarker for Alzheimer's disease	93.866	QS85525X	5,926
University of Kansas Alzheimer's Disease Core Center	93.866	QS85525B	12,805
<b><u>Pass through Univ of KS Medical Center</u></b>			
Viral and host factors regulate HSV-1 infection	93.859	1000818651	23,838
Viral and host factors regulate HSV-1 infections	93.859	QL859696	73,460
Role of Blood Sugar Level in Development of Alzheimer's Disease	93.866	QS85525Z	10,749
<b><u>Pass through Univ of Maryland - Baltimore</u></b>			
A..L. lactis-based vaccine for children with broad spectrum for enteric pathogens	93.855	SR00003332	3,925
<b><u>Pass through Univ of Massachusetts Medical School</u></b>			
Diet quality, parental perceptions, and weight gain among adolescents with an intellectual/developmental disability	93.110	WA00400276/OSP201616	441
<b><u>Pass through Univ of Missouri - Kansas City</u></b>			
The Prevention of HIV/AIDS by Stimuli-Sensitive Nanomedicine for Microbicide Delivery	93.855	0037296/00033505	15,069
<b><u>Pass through Univ of Montana</u></b>			
RRTC on the Ecology of Rural Disability	93.433	PG-16-64540-03	8,326
<b><u>Pass through Univ of New Mexico</u></b>			
IRACDA Plus	93.859	PO139950	5,683
<b><u>Pass through Univ of North Carolina at Chapel Hill</u></b>			
Subcontract to oversee 5U01CE001948-05	93.136	5101791	52,009
Family Adaptation to Fragile X Syndrome - Project 1 - Maternal Responsivity and the Development of Children with FXS and Ethnographic & Qualitative Methods Core	93.865	5-51088	(959)
<b><u>Pass through Univ of South Florida</u></b>			
Grp94-selective inhibitors to treat hereditary glaucoma	93.867	6144-116-00-A	236,411
<b><u>Pass through Univ of Texas Health Science Ctr - Houston</u></b>			
KOR agonist functional selectivity in peripheral sensory neurons	93.279	158920/158919	75,680
<b><u>Pass through Univ of Wisconsin-Madison</u></b>			
Monkeypox Ecology: An Integrated Approach to Investigations of the Sylvatic Reservoirs of Human Monkeypox	93.989	255K780	(420)
<b><u>Pass through Virginia Tech</u></b>			
SIPSMARTER: a Nutrition Literacy Approach to Reducing Sugar-Sweetened Beverages	93.394	431680-19799	23,182
<b><u>Pass through Washington State University</u></b>			
The Collaborative on Health Reform and Independent Living	93.433	126140 G003511	35,390

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<b><u>Pass through Washington Univ, St. Louis</u></b>			
A pilot study on the development and implementation of a community-driven, comprehensive online diabetes information & management resource for American Indians from the Great Plains	93.847	WU-13-56	\$ (5,425)
<b><u>Pass through Westat, Inc.</u></b>			
Westat Formative Evaluation	93.648	8977-S-004	90,866
<b><u>Pass through Wichita State University</u></b>			
The Aging Pituitary-Gonadal Axis	93.866	SUB090220-4-1	1,567
<b><u>Department of Housing and Urban Development</u></b>			
<b><u>Direct Award</u></b>			
Master Agreement	14.000	KUCR-15-DU205NC-13-A	15,877
<b><u>Library of Congress</u></b>			
<b><u>Direct Award</u></b>			
Electron Energy Distributions to be Measured by the Rosetta RPCIES Instrument	42.000	E99054DB	14,508
<b><u>National Aeronautics and Space Administration</u></b>			
<b><u>Direct Award</u></b>			
Spatially Resolved Observations of Gas Stripping in Intermediate Redshift Clusters and Groups	43.000	HST-GO-12945.01-A	33,366
The role of quenching and merging in shaping the passive galaxy population	43.000	HST-AR-14310.001-A	4,134
Subglacial water and Antarctic ice dynamics	43.001	NNX10AP05G	31,019
Beyond Backstress: data driven assessment of outlet glacier dynamics	43.001	NNX11AR23G	59,250
Deployment of CReSIS Radar Instrumentation and Data Management Activities in Support of Operation Ice Bridge	43.001	NNX13AD53A	1,396,326
Modeling of Plasma and Dust in the Plume of Enceladus	43.001	NNX13AG04G	75,847
Scalable Adaptive High-Order Methods for Turbulent Flow Simulations	43.001	NNX12AK04A	148,771
Energy Deposition in the Upper Atmospheres of Jupiter and Saturn by Energetic Particles: The Polar Aurora and Atmospheric Electrodynamics	43.001	NNX14AG79G	58,941
Unambiguous determination of ice sheet basal conditions from radio echo sounding data	43.001	NNX14AL99G	95,992
NRA/NASA Earth & Space Science Fellowship (NESSF) Program -2014	43.001	NNX13AN92H	4,512
Adaptation of the Snow Radar for NASA Global Hawk and Ikhana Unmanned Aircraft in Support of Operation Ice Bridge	43.001	NNX13AQ30A	75,419
Ultra-high Energy particle Astrophysics with ANITA-4 - University of Kansas Co-I	43.001	NNX15AC19G	91,888
Airborne Radar Surveys of Land and Sea Ice and Data Processing Using CReSIS Instrumentation to Support IceBridge Observations	43.001	NNX16AH54G	364,842
Controls on Iceberg Distribution Around Greenland	43.001	NNX16AJ90G	2,471
Multichannel Sense-and-Avoid Radar for Small UAVs	43.002	NNX15AN94A	161,546
<b><u>Pass through a.i. solutions, Inc.</u></b>			
Simulation of Moving Bodies using a Meshfree Method	43.000	15-008	18,058
<b><u>Pass through Bay Area Environmental Research Institute</u></b>			
Developing Detailed 3D CAD Geometry for the NASA Viking UAS	43.001	Agreement	2,174
<b><u>Pass through Johns Hopkins University</u></b>			
Using the Hottest Particles in the Universe to Probe Icy Solar System Worlds	43.001	NNX14AM87G	(1,753)
<b><u>Pass through Southwest Research Institute</u></b>			
Cassini Ion Neutral Mass Spectrometer (INMS) Team Member Participation	43.002	D99006L	92,672
<b><u>Pass through Space Telescope Science Inst.</u></b>			
Galaxy Transformation in the Infall Regions of Clusters	43.000	HST-GO-13393.002	3,375
<b><u>Pass through Univ at Buffalo, State Univ of New York</u></b>			
Understanding Dynamic Outlet Glacier Behavior in Greenland: Synthesizing Altimetry Record and Numerical Modeling	43.001	R944412	57,680
<b><u>Pass through Univ of Colorado</u></b>			
Participation in NASA Mars Atmosphere and Evolution mission	43.000	1546525	128,100
<b><u>Pass through Univ of Texas-Austin</u></b>			
Physical Controls on Ocean-Terminating Glacier Variability in Central West Greenland	43.001	UTA12-001013	77,167
<b><u>Pass through Washburn University</u></b>			
Terrestrial Impact of Nearby Supernovae	43.001	NASA-BT-14-001	61,568
<b><u>Pass through West Virginia University</u></b>			
Cooperative Gust Sensing and Suppression with Aircraft Formation Flight	43.002	13-032-KU	32,153

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<b><u>Pass through Wichita State University</u></b>			
KNEP CAN/Nanostructured Solid-State Energy Storage Devices for Wide-Temperature Applications in Space Exploration	43.008	WSU1495	\$ 65,581
Collaborative Stereo Vision Sensing w ith Small UAV Formations	43.008	SUB 5384-2-1	115,020
Robust and Accurate Visual SLAM for Mars Exploration Rovers	43.008	SUB5384-3-0	1,662
Active Wing Shaping Control for Morphing Aircraft	43.008	WSU SUB 10429 v2	8,150
National Space Grant Consortium College and Fellow ship Program (Space Grant) 2015	43.008	SUB5169-2-5	46,703
Quantifying Recharge in the High Plains Aquifer in Kansas by Coupling Space and Ground Observations	43.008	R51357-2-0	4,003
Real-Time Correction of Wing-Integrated Antenna Array Beamforming	43.008	R51357-3-0	5,717
Competitive Programs: Research Experience: Robert LaRue Internship - NASA Ames 2016	43.008	SUB5169-25	7,000
Competitive Programs: Research Experience: Karin Abrahamsson Internship - NASA Goddard 2016	43.008	SUB5169-27	8,500
<b><u>National Endowment for the Arts</u></b>			
<b><u>Direct Award</u></b>			
Engaging Communities for the Common Good: Stories about Migration in the Public Square	45.164	LD-234347-16	68,313
<b><u>Pass through Univ of California - Berkeley</u></b>			
The Tree Room: Teaching and learning about evolutionary relationships	45.312	00008059	12,055
<b><u>National Science Foundation</u></b>			
<b><u>Direct Award</u></b>			
EFRI-RESTOR: Regenerative Hydrogen-Bromine Fuel Cell System for Energy Storage	47.041	EFRI-1038234	171,308
REU Site: Biofuels Development - Feedstock to Tailpipe	47.041	EEC-1063097	41,941
Relationship of Theoretical Nano-scale Structure/Properties of Calcium Silicate Hydrate (CSH) and Experimental Micro-scale Properties of Cement Paste	47.041	CMMI-1068528	22,022
Whispering Gallery Mode Imaging for Early Detection of Ovarian Cancer	47.041	CBET-1133814	(2)
Biomechanical Rehabilitation Engineering Advancement in Kansas	47.041	CBET-1160130	38,920
BRIGE: Heterogeneous Traffic over Heterogeneous Relay Netw orks	47.041	ECCS-1228071	33,889
RET: Shaping Inquiry from Feedstock to Tailpipe w ith Education Development (SHIFTED)	47.041	EEC-1301051	117,821
Collaborative Research: Delay-Sensitive Hybrid Broadcast/Unicast Traffic over Heterogeneous Cellular Netw orks	47.041	ECCS-1509514	5,797
MRI: Acquisition of an Advanced X-Ray Photoelectron Spectroscopy for Materials Research	47.041	CBET-1429727	395,900
Hydroxyapatite Formation during Hydrothermal Liquefaction of Algal Biomass: Synthesis and Catalytic Implications	47.041	CBET-1438652	133,102
GOALI - Balancing Flocs and Granules for Activated Sludge Process Intensification: Stoke's vs Fick's Law s	47.041	CBET-1512667	26,295
Collaborative Research: EAGER: Exploring the Feasibility of a Novel Thermosyphon/Heat Pipe Heat Exchanger w ith Low Air-Side Thermal Resistance	47.041	CBET-1435131	47,790
Collaborative Research: Planning Grant: IUCRC for Surveillance Research	47.041	IIP1540013	9,096
EAGER: Engineering the Ionic Polymer Phase Surface Properties in a PEM Fuel Cell Catalyst Layer	47.041	CBET-1518755	13,102
Collaborative Research: Transmission of quantum information in circuits of superconducting qubits	47.049	PHY-1314861	74,638
Understanding Vibrational Spectroscopic Probes of the Structure and Dynamics of Liquids Confined in Mesoporous Materials	47.049	CHE-1012661	21
Collaborative Research: University Program of Detector Research for the ILD Detector Concept at the ILC	47.049	PHY-0935339	(3,571)
CAREER: Structural and Electronic Contributions to Reactivity in Peroxomanganese(III) Compounds	47.049	CHE-1056470	121,778
CAREER: Nanoscale ballistic spin transport in semiconductors	47.049	DMR-0954486	48,974
Collaborative Research: Sharpening the Lithium Probe of Stellar Evolution	47.049	AST-1211621	97,521
Topics in Anisotropic Mesh Adaptation and Application to Anisotropic Diffusion Problems	47.049	DMS-1115118	7,084
CAREER: Controlling non-adiabatic reaction dynamics in solution: A w indow on the fundamental details of photochemical reactions	47.049	CHE-1151555	95,878
Homological Properties of Commutative Rings and Applications	47.049	DMS-1104017	19,579
Probing and manipulating superconductivity in nanostructures	47.049	DMR-1105986	133,883
Fourier Analysis and Multilinear Operators	47.049	DMS-1069015	16,103
Control of Stochastic Systems	47.049	DMS-1108884	72,501

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International Collaboration in Chemistry: LOV Domain Signaling	47.049	1 CHE-1124946	\$ 41,477
Linear and Nonlinear Stability for Infinite-Dimensional Dynamical Systems	47.049	DMS-1211315	73,750
Self-Consistent Studies of Particle Acceleration In and Radiation Emission From Relativistic Outflows of GRBs	47.049	AST-1209665	4,226
Numerical methods for linear and nonlinear implicit PDE simulation	47.049	DMS-1115759	10,253
---- Domain Decomposition and Nonlinear Multigrid Methods	47.049	DMS-1115408	1,862
Approximation of Infinite Dimensional Dynamics	47.049	DMS-1115408	1,862
Azulene-bridged Organometallics: New Platforms for Charge Delocalization and Transport at the Nanoscale	47.049	CHE-1214102	85,128
Stochastic Analysis of Gaussian Fractional Noises	47.049	DMS-1208625	33,408
On Two Topics in Algebraic Geometry	47.049	DMS-1206434	35,345
Stability of Nonlinear Waves in Dissipative and Dispersive PDE	47.049	DMS1211183	35,908
Stability of waves in discrete and continuous dynamical systems	47.049	DMS-1313107	83,943
Characterizing the Molecular Gas Contents of High Redshift Galaxies	47.049	AST-1211358	145,468
REU Site: A Summer Experience for Undergraduates Integrating Research, Education, and Career Development in an Interdisciplinary Environment	47.049	CHE-1263259	84,495
Experimental Particle Physics at the Collider and Cosmic Ray Energy Frontiers	47.049	PHY-1306953	431,307
Statistical Inference on Memory Structure of Processes	47.049	DMS-1407819	37,488
Microanalytical Techniques to Study Single Cell Biochemical Processes	47.049	CHE-1411993	265,648
MRI: Development of UHV SPM-TERS in situ Characterization Interfaced with UHV Sputtering-Atomic Layer Deposition System	47.049	DMR-1337737	11,932
NSMDS: Sustainable chemical innovations by an integrated design approach	47.049	CHE-1339661	1,269,952
CAREER: Understanding the role of quantum coherence in exciton transport and separation in molecular aggregates	47.049	DMR-1351716	92,613
Enzymes of Ornithine-Hydroxamate Siderophores	47.049	CHE-1403293 001	299,646
Studies in Adaptive and Optimal Control of Stochastic Systems	47.049	DMS-1411412	52,174
Implicit sampling methods and their applications	47.049	DMS-1419069	67,862
Topics in Computational Dynamics	47.049	DMS-1419047	64,559
The Midwest Mathematics and Climate Conference	47.049	DMS-1445371	23,530
CAREER: Innovative Strategies for Fluorination of Common Functional Groups	47.049	CHE-1455163	73,007
CAREER: Catalysis on Singly Dispersed Bimetallic Catalytic Sites	47.049	CHE-1462121	220,431
Electron-positron experimental particle physics	47.049	PHY-1505464	39,051
Catalytic Synthesis via C-C Cleavage	47.049	CHE-1465172	139,427
Thermodynamics and Structure of Chemically Heterogeneous Solid-Liquid Interfaces	47.049	CHE-1465226	44,877
Stochastic partial differential equations, fractional noises and limit theorems	47.049	DMS-1512891	3,093
Probing and manipulating strained interfaces with oxide superconductors	47.049	DMR-1508494	13,862
KUMU Conference in PDE, Dynamical Systems and Applications	47.049	DMS-1500607	1,640
Novel transport phenomena in two-dimensional crystalline materials beyond graphene	47.049	DMR-1505852	52,077
Collaborative Research: The GOGREEN Survey - Caring about the Environment	47.049	AST-1517815	27,880
Stability and Long Time Behavior for Infinite-Dimensional Dynamical Systems	47.049	DMS-1516245	2,232
Local cohomology, the Frobenius endomorphism, D-module theory, and invariant theory	47.049	DMS-1623035	10,724
CAREER: Gradients and umbilical cord stem cells in osteochondral tissue engineering	47.049	DMR-0847759	(128)
Dating metamorphism with accessory minerals - integrated in-situ geochronology and trace element budgeting of metamorphic reactions	47.050	EAR-0911633	4
Understanding the Diversity and Biology of Microbes in Late Paleozoic Ecosystems	47.050	EAR-0949947	101,187
Collaborative Research: Life in a Volcanic Landscape: Early Jurassic Paleoenvironments and Paleobotany	47.050	ANT-1142495	89,562
Collaborative Research: Byrd Glacier Flow Dynamics	47.050	ANT-0944597	(6,827)
Synchrotron X-ray fluorescence micro-spectroscopy: A new approach to determine the origin of life on Earth	47.050	EAR-1053241	4,031
Collaborative Research: Investigating Lithologic and Stratigraphic Controls on Hydrogeology in Neogene Strata of the Central High Plains Aquifer	47.050	EAR-1023285	99,013
Collaborative Research: Unlocking secrets of Earth's largest sand sea: Paleoenvironmental records of the Lower Jurassic Navajo Sandstone, Colorado Plateau, USA	47.050	EAR-1349558	52,639
Collaborative Research: WSC-Category 3: Toward Sustainability of the High Plains Aquifer Region: Coupled Landscape, Atmosphere, and Socioeconomic Processes (CLASP)	47.050	EAR-1039247	3,130
Center for Remote Sensing of Ice Sheets (CReSIS)	47.050	PLR-0424589	1,739,487
MRI: Development of a high-power, large antenna array and ultrawideband radar for a Basler for sounding and imaging of fast-flowing glaciers and mapping internal layers	47.050	ANT-1229716	205,407

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Collaborative Research EaSM2: Linking Human and Earth System Models to Assess Regional Impacts and Adaption in Urban Systems and Their Hinterlands	47.050	AGS-1243060	\$ 78,599
Collaborative Research: Geological Hazards, Climate Change, and Human/Ecosystems Resilience in the Islands of the Four Mountains, Alaska.	47.050	PLR-1301927	124,662
CAREER: Improving Understanding of Antarctic Glacier Dynamics Through an Interactive Numerical Flow line Model	47.050	PLR-1255488	102,529
RCN: Facilitating Indigenous Research, Science and Technology (FIRST)	47.050	PLR-1417767	60,296
Collaboratively Harnessing Indigenous Research Principles, Protocols, and Practices (CHIRP3)	47.050	PLR-1436506	89,797
Collaborative Research: Geoinformatics: Development of Structural Geology and Tectonics Data System with Field and Lab Interface	47.050	EAR-1347331	189,251
Collaborative Research: Stability and Dynamics of Antarctic Marine Outlet Glaciers	47.050	PLR-1543530	1,819
Collaborative Research: Lidar and Modeling Applications from the Precision Atmospheric Marine Boundary Layer Experiment (PreAMBLE) Dataset	47.050	AGS-1439515	40,937
Doctoral Dissertation Research: Bridging Knowledge Systems to Improve Ecosystem Management along the Yukon River, Alaska	47.050	PLR-1504203	10,224
Doctoral Dissertation Improvement Grant: Ethnographic Research on the Question of Diaspora Among Ukraine's Displaced Crimean Populations	47.050	PLR1546954	2,247
INSPIRE: Forging new connections among mammalian evolution, climate change, and tectonics during the Eocene.	47.050	1543684	52,802
Collaborative Research: Stabilized Organic Carbon and Paleoenvironmental Interpretations of Late Quaternary Paleosols	47.050	EAR-1226757	277
Paleoenvironmental and Paleoclimatic Analysis of the Beacon Supergroup, Beardmore Glacier Area, Central Transantarctic Mountains, Antarctica	47.050	ANT-0944282	6,098
CAREER: Implementing a New Parallelization Model for Virtual Machines	47.070	CNS-0953268	97,061
CAREER:Filling the Gaps in Domain-Specific Functional-Based Solutions High-Performance Execution	47.070	CCF-1350901	68,083
GENI-FIRE Workshop	47.070	CNS-1058521	16,759
SHF: SMALL: Improving the Applicability of Haskell-hosted Semi-Formal Models to High Assurance Development	47.070	CCF-1117569	200
NeTS: Medium: Collaborative Research: Digital Subcarrier Multiplexed Networks: From the Core to the Access	47.070	CNS-1409853	77,318
NeTS: Small: Exploiting Adaptive Protocols in Packet-Based Broadband Wireless Networks	47.070	CNS-1216132	98,818
NeTS: Small: Collaborative Research: Resilient Network Design for Massive Failures and Attacks	47.070	CNS-1219028	49,619
Student Travel Support for the Twenty-first International Conference on Parallel Architectures and Compilation techniques (PACT), 2012	47.070	CCF-1241490	(20)
SBE TWC: Small: Collaborative Research: Privacy Protection in Social Networks: Bridging the Gap Between User Perception and Privacy Enforcement	47.070	CNS-1422206	21,474
MR: Acquisition of Computing Equipment for Supporting Data-intensive Bioinformatics Research at the University of Kansas	47.070	CNS-1337899	12,816
CF: Small: Fundamentals of Energy-Efficiency in Delay-Sensitive Wireless Communications	47.070	CCF-1422241	102,938
Collaborative Research: Comprehensive Citation Across the Data Life Cycle Using DDI	47.070	ACI-1448107	6,373
US - Korea Joint workshop on collaboration in SDN/NFV for Smart Cities	47.070	CNS-1451129	9,171
CAREER: Parallel Dynamic Meshing Techniques for Simulation-Assisted Medical Interventions	47.070	ACI-1500487	143,443
EAGER: Automatic Speech Recognition for Uyghur	47.070	1519164	10,391
RAPID: III: Data Collection and Risk Evaluation Learning in Identifying High Risk Ebola Subpopulations for the Intervention and Prevention of Large-scale Ebola Spreading	47.070	IIS-1513324	139,997
CAREER: Machine Learning Approaches for Genome-wide Biological Network Inference	47.070	IIS-0644366	2
MR: Development of an Anechoic Chamber and Instrumentation for Remote Sensing of Polar Regions and Transportation Interdisciplinary Research and Education	47.070	CNS-0923443	135,225
The molecular basis for epigenetic inheritance of trichome patterning in Mimulus	47.074	IOS-0951254	(3,569)
A specimen-level database of the world's bees (Apoidea) at the University of Kansas	47.074	DBI-1057366	(430)
LITREB: Long-term studies of secondary succession and community assembly in the prairie-forest ecotone of eastern Kansas	47.074	DEB-0950100	68,876
Collaborative Biodiversity Collections Computing	47.074	DBI-0960913	281,848
Collaborative Research: ABI Development: Development and Application of Graphical User Interfaces for System Building and Analysis of Membrane Simulations	47.074	DBI-1145987	36,530
Plant recruitment, coexistence and community assembly in developing prairie restorations	47.074	DEB-1021158	106,348
CAREER: Integrating phylogenetics and development to investigate character evolution in hydrozoans	47.074	DEB-0953571	63,536

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Delineating the roles of rising CO2 and temperature on flowering time across pre-industrial through future conditions	47.074	IOS-1457236	\$ 89,294
Collaborative Research: RUI: Understanding diversity in camas and rush lilies: can a unified approach resolve species boundaries in difficult groups?	47.074	DEB-1145847	49,385
CAREER: Does crowding stabilize intrinsically disordered proteins?	47.074	MCB-1149538	181,086
Collaborative research- Evolution of living and fossil green lacewings (Chrysopidae): phylogenetics, informatics and a universal ontology for Neuroptera	47.074	DEB-1144162	61,729
ABI Development: Collaborative Research: VertNet, a New Model for Biodiversity Networks	47.074	DBI-1062200	28,867
Collaborative Research: Digitization TCN: InvertNet--An Integrative Platform for Research on Environmental Change, Species Discovery and Identification	47.074	EF-1115051	53,236
Collaborative Research: Arbor: Comparative Analysis Workflows for the Tree of Life	47.074	DEB-1208472	119,123
COLLABORATIVE RESEARCH: Systematics of a pantropical diversification: the suboscine passerine birds	47.074	DEB-1146345	16,677
Protein interactions in the utilization of iron by pathogenic bacteria	47.074	MCB-1158469	92,411
Digitization TCN: Collaborative Research: Digitizing Fossils to Enable New Syntheses in Biogeography - Creating a PALEONICHES-TCN	47.074	EF-1206757	70,782
Collaborative Research: Automated and community-driven synthesis of the tree of life	47.074	DEB-1208393	146,120
Computational Studies of membrane proteins based on NMR	47.074	MCB-1157677	138,781
Collaborative Research: Digitization TCN: Developing a Centralized Digital Archive of Vouchered Animal Communication Signals	47.074	EF-1304585	91,828
Genetic and developmental changes associated with the evolution of a hummingbird-pollination floral syndrome	47.074	IOS-1255808	19,458
Integrating Fossil Data into Likelihood-based Phylogenetic Analyses with Trilobites as a Model System	47.074	DEB-1256993	80,907
Dimensions: Collaborative Research: Historical and contemporary influences on elevational distributions and biodiversity tested in tropical Asia	47.074	DEB-1241181	80,741
ABI Innovation: Target - template structural and functional relationships in modeling of protein - protein interactions	47.074	DBI - 1262621	221,051
Collaborative Research: Unique structural proteins and cross-linking reactions that control physical properties of insect exoskeletons	47.074	IOS-1258027	124,507
CAREER: Teaching Modern Biodiversity Science from Fieldwork to Phylogeny: Diversity, Systematics, & Evolution of Ecologically Promiscuous Aquatic Beetles	47.074	DEB-1453452	83,979
ICOB: Molecular and morphological characterization of polar capsules in the parasitic Myxozoa	47.074	IOS-1321759	1,303
Digitization TCN: Collaborative Research: Fossil Insect Collaborative: A Deep-Time Approach to Studying Diversification and Response to Environmental Change	47.074	EF-1304957	84
DISSERTATION RESEARCH: Disentangling phylogenetic relationships in an explosive bird radiation	47.074	DEB-1311513	11,109
SG: Evolutionary lag and the effects of clonal structure	47.074	DEB-1354754	41,230
Collaborative Research: Fire-Fungal-Plant Feedbacks in Pyrogenic Ecosystems	47.074	DEB-1557000	3,196
Collaborative Research: ABI Development: Transforming Biodiversity Analysis with Landscapes, Automation, and Provenance	47.074	DBI-1356732	236,904
DISSERTATION RESEARCH: Hybridization & its downstream consequences for biodiversity	47.074	DEB-1406989	11,924
EAGER: Elucidation of the Potential for CAM Photosynthesis in the C4 Halophyte Spinifex littoreus, a Succulent Asian Grass with Enormous Agricultural Potential	47.074	IOS-1411897	32,078
Evolutionary dynamics of collateral gene silencing by piRNA	47.074	MCB-1413532	177,158
Studying proteasome assembly using a combination of modeling and experiment	47.074	MCB-1412262	219,684
Re-organization of Philippine Rainforest Biodiversity Following Disturbance on Regional Scales from a Powerful Typhoon	47.074	DEB-1418895	50,061
Constraints on the evolution of chromosome dosage compensation: a test in butterflies and moths	47.074	1457758	202,758
Bridging observational, experimental and genomic insights on species and speciation through comparative analyses in a new vertebrate model systems	47.074	DEB-1457774	104,471
Collaborative Research: Hierarchical Functioning of River Macrosystems in Temperate Steppes - From Continental to Hydrogeomorphic Patch Scales	47.074	EF1442595	113,332
Collaborative Research: Connecting resources to enable large-scale biodiversity analyses	47.074	DBI-1458422	96,446
Collaborative Research: Out of the "Jungle" and into the Sea	47.074	DEB-1457776	26,737
Collaborative Research: beta-catenin regulation during asymmetric stem cell divisions	47.074	IOS-1456538	87,955
DISSERTATION RESEARCH (Rachel Bowes): Historical Changes in Food Web Structure of Large Rivers	47.074	DEB-1502017	14,728
DISSERTATION RESEARCH: The Evolution of Specialized Teeth and Jaws in Early Mesozoic Ray-Finned Fishes and Their Impact on Widespread Niche Differentiation	47.074	DEB-1502005	4,908

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Bacterial Outer Membranes and Interactions w ith Proteins	47.074	MCB-1516154	\$ 49,118
DIMENSIONS: COLLABORATIVE RESEARCH: The evolution of pollination syndrome diversity in Penstemon	47.074	DEB-1542402	41,899
EAGER: The evolution of anti-predator defenses in tortoise beetles (Coleoptera: Chrysomelidae: Cassidinae)	47.074	DEB-1547851	2,211
Can improving predictions of soil oxygen dynamics increase understanding of greenhouse gas hotspots and hot moments?	47.074	DEB-1613325	70,340
Collaborative Research: Assembling the Tree of Life-An Integrative Approach to Investigating Cnidarian Phylogeny	47.074	EF-0531779	854
Collaborative Research: Large-scale simultaneous multiple alignment and phylogeny estimation	47.074	DEB-0732920	1,465
Collaborative Research: Avian Diversification Across Tropical Asia; a Systematic and Biogeographic Analysis of Babblers (Aves: Timaliidae)	47.074	DEB-0743576	(971)
Survey of the Aquatic Insects of Northern Venezuela w ith an emphasis on Coleoptera	47.074	DEB - 0816904	(1,516)
Collaborative Research: PBI: A survey of the tapew orms (Cestoda: Platyhelminthes) from the vertebrate bow els of the earth	47.074	DEB-0818823	24,947
Examining Development and Ultimate Attainment in Second Language Processing: An ERP Investigation	47.075	BCS-0951900	5,759
Light Verbs in Uyghur	47.075	BCS-1053152	1,873
Planned Missing Research Designs: Pow er and Validity of Planned Missing Data Designs in Longitudinal Research	47.075	BCS-1053160	49,023
Economic and Scientific Effects of Federal Investment in Chemical Sciences Research	47.075	SMA-1064218	64,560
Co-Lang: Institute for Collaborative Language Documentation Training	47.075	BCS-1065469	2,350
Interactive Inner Asia: documenting an endangered language contact area	47.075	BCS-1065524	17,034
Examining how exposure to metaphorical framing influences attitudes tow ard sociopolitical issues	47.075	BCS-1222047	72,490
CAREER: Community Adaptation to Changing Environmental Disasters	47.075	BCS-1151288	60,230
Collaborative Research: Land Change in Brazil's Cerrado: Ethanol and Sugar Cane Expansion at the Farm and Industry Scale	47.075	BCS-1227160	29,807
The Acquisition of Northern Fama [pmq] (Otomanguean)	47.075	BCS-1360874	36,673
Collaborative Research: Opening New View s into Bankruptcy and Credit Markets Using Court Records	47.075	SES-1355744	70,607
DOCTORAL DISSERTATION RESEARCH: Floods, Worms, and Cattle Plague: Natural Disaster at the Decline of the Dutch Golden Age	47.075	SES-1331284	5,634
Collaborative Research: Separating transient and enduring forms of change in adult attachment styles	47.075	BCS-1423970	38,139
Race and gender stereotyping in evaluative language	47.075	BCS-1349043	52,862
Collaborative Research: Climate Risk Governance and Polycentrism in the US States	47.075	SES-1431082	66,973
Africa's Endangered Languages: Documentary and Theoretical Approaches	47.075	BCS-1360823	645
Effects of Native Language and Linguistic Exposure on Non-Native Listeners' Use of Prosodic Cues in Speech Segmentation	47.075	BCS-1423905	85,537
Into Africa: The Initial Colonization of Africa by Early Cenozoic Anthropoids	47.075	BCS-1441585	57,371
Collaborative Research: Integrated City Sustainability: Administrative Apparatus for Overcoming Collective Dilemmas of Agency Fragmentation	47.075	SES-1461526	37,251
Systematic Study of Group-Based Legal Mobilization	47.075	SES1535673	33,590
Understanding Gender Differences in STEM Academic Careers	47.075	SES1538797	10,955
Collaborative Research: EAGER: Automating HERD Reporting Using Machine Learning and Administrative Data	47.075	SMA1547464	26,492
Making w ords disappear or appear: A neurocognitive and behavioral investigation of effects of speech rate on spoken w ord recognition	47.075	BCS-1559719	18,482
Developing Virtual and Physical Models to Enhance Conceptualization of Soil and Biogenic Structures in Undergraduate Geoscience Classes	47.076	DUE-1140908	52,667
Enhancing Teaching and Learning w ith Social Media: Supporting Teacher Professional Learning and Student Scientific Argumentation	47.076	DRL-1316799	161,481
Deep Roots: Wide-Spread implementation of community-driven evidence-based Pedagogy	47.076	DUE-1525775	202,446
CyberCorps: New Scholarships for Service (SFS) Program at the University of Kansas - Jayhaw k SFS	47.076	DGE-1565570	16,896
Collaborative Research: 2014-2017 Development of the Askaryan Radio Array Ultra-high Energy Neutrino Detector at the South Pole	47.078	PHY-1404289	4,712
Investigating the Dynamics of Tidew ater Glaciers w ith Application to Columbia Glacier, Alaska and Kangerlussuaq Glacier, East Greenland	47.078	ARC-0710839	(924)
Structure and Dynamics of Lipopolysaccharides (LPS)	47.079	IIA-1359530	2,502

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Collaborative Research: Imaging and Controlling Ultrafast Dynamics of Atoms, Molecules, and Nanostructures	47.079	IIA-1430493	\$ 823,408
RII Track-2 FEC: Catalysis for Renewables: Applications, Fundamentals and Technologies (CRAFT)	47.079	OIA-1539105	545,600
Phase VI: Climate Change and Energy: Basic Science, Impacts, and Mitigation	47.081	EPS-0903806	2,291,581
Collaborative Research: EPSCoR RII Track 2 Oklahoma and Kansas: A cyberCommons for Ecological Forecasting	47.081	EPS-0919443	(7,301)
Collaborative Research: Data Integration for Repository Services in Biodiversity Informatics	47.082	DBI-0851278	(2,238)
<b><u>Pass through American Museum of Natural History</u></b>			
Digitization TCN: Plants, Predators, and Parasitoids: A Model System for the study of Tri-Trophic Associations	47.074	2-2011	5,731
<b><u>Pass through BBN Technologies, Inc</u></b>			
KanREN-GENI: GENI in the Kansas Research and Education Network and the Great Plains Network	47.070	9500011164	53,507
<b><u>Pass through Boston University</u></b>			
Developing a brain-machine interface for speech communication	47.075	4500001286	4,443
<b><u>Pass through College of Charleston</u></b>			
CF21 DIBBS: Collaborative Research: Cyberinfrastructure for Interpreting and Archiving U-series Geochronologic Data	47.070	521156-Kansas	20,982
<b><u>Pass through Columbia Univ</u></b>			
Geoinformatics Facility Support: Integrated Data Collections for the Earth and Ocean Sciences: The Marine Geoscience Data System and the Geoinformatics for Geochemistry Program	47.050	GG002806	104,772
Geoinformatics Facility Support: Integrated Data Collections for the Earth and Ocean Sciences: The Marine Geoscience Data System and the Geoinformatics for Geochemistry Program	47.050	2(GG010799)	58,372
<b><u>Pass through Duke University</u></b>			
Human and Natural Forcings of Critical Zone Dynamics and Evolution at the Calhoun Critical Zone Observatory	47.050	14-NSF-1078	133,563
<b><u>Pass through Indiana University</u></b>			
CF21 DIBBS: Middle and High Performance Analytics Libraries for Scalable Data Science	47.070	BL-4848800-UK	26,517
<b><u>Pass through KS State Univ, SPA</u></b>			
Konza Prairie LTER V: Long Term Research on Grassland Dynamics and Global Change	47.074	S09068.06	700
Konza Prairie LTER VI: Grassland Dynamics and Long-Term Trajectories of Change	47.074	S11093.06	8,917
Konza Prairie LTER: Grassland Dynamics and Long-Term Trajectories of Change	47.074	S15103	20,158
Konza Prairie LTER: Long Term Research on Grassland Dynamics and Global Change	47.074	S15099	22,296
<b><u>Pass through Missouri Botanical Garden</u></b>			
Digitization TCN: Collaborative Research: Tritrophic Databasing Initiative	47.074	NSF05791UK	15,147
<b><u>Pass through National Ecological Observatory</u></b>			
Contract Bid for NEON, Inc. RFP-0256-AQU Reaeration and Dissolved Gas Laboratory Analysis	47.074	1010-0345-000	11,207
Reaeration and Dissolved Gas Laboratory Analysis	47.074	2010-0358-AQU	562
<b><u>Pass through Princeton University</u></b>			
U.S. CMS Operations at the LHC	47.049	00002102	23,095
<b><u>Pass through PROTON ONSITE</u></b>			
Hydrogen Bromine Electrolysis for Highly Efficient Hydrogen-Based Energy Storage and High Value Chemical Applications	47.041	EC-014974-1	44,196
Hydrogen Bromine Electrolysis for Highly Efficient Hydrogen-Based Energy Storage and High Value Chemical Applications - Phase II	47.041	EC-017038-01	4,095
<b><u>Pass through Purdue University</u></b>			
2015 NSF CyberBridges Workshop	47.070	4101-69529	31,221
<b><u>Pass through Texas Tech University</u></b>			
GOAL: Erbium Doped III-Nitrides for Optical Communications and Silicon Photonics	47.041	21P297-01	55,410
1.54 micron optical amplifiers and emitters based upon erbium doped III-Nitrides grown on silicon	47.041	21P127-01	(504)
<b><u>Pass through The Language Express, Inc.</u></b>			
Teen Career Pathway	47.041	Agreement	19,335
<b><u>Pass through Tulane University</u></b>			
Effects of Anthropogenic Habitat Perturbation on Rodent Population Dynamics and Risk of Rodent-Borne Diseases	47.050	TUL-HSC-428-12/13	1,906
<b><u>Pass through Univ of Arizona</u></b>			
New Biologically Relevant Sulfur Radical Cation Chemistry	47.049	Y561481	(30,087)

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<b><u>Pass through Univ of California - Berkeley</u></b>			
Supplement to ABI Development: Collaborative Research: VertNet, A New Model for Biodiversity	47.074	00008601	\$ 17,855
<b><u>Pass through Univ of California - San Diego</u></b>			
PRAGMA - Enabling Scientific Expeditions and Infrastructure Experimentation for Pacific Rim Institutions and Researchers	47.080	59858222	32,649
<b><u>Pass through Univ of Illinois</u></b>			
CSR: Medium: Multicore Real Time Virtual Partitions	47.070	2013-01883-01	60,123
<b><u>Pass through Univ of KS Med Ctr Research Institute</u></b>			
EAGER: US Ignite: In-Home Monitoring in Support of Caregivers for Patients with Dementia	47.070	QW859790	12,637
<b><u>Pass through Univ of Maryland-College Park</u></b>			
Stimulus: Collaborative Research: MRI-R2 Instrument Development of the Askaryan Radio Array, A Large-scale Radio Cherenkov Neutrino Detector at the South Pole	47.082	Z349202	329
<b><u>Pass through Univ of Nebraska - Lincoln</u></b>			
NSF Cooperative Agreement for Phase-1 Upgrades of CMS	47.049	25-0521-0178-005	359,714
<b><u>Pass through Univ of New Mexico</u></b>			
DataNetONE: Observation Network for Earth	47.070	063045-87L3	245,203
DataNetONE: Observation Network for Earth	47.080	063014-87L3	(29,098)
<b><u>Pass through Univ of Notre Dame</u></b>			
A QuarkNet Site at the University of Kansas: Engaging High School Physics Teachers in Particle Physics Research	47.049	Agreement	14,560
<b><u>Pass through Wayne State University</u></b>			
CDI Type II: Computational Methods to Enable an Invertebrate Paleontology Knowledgebase	47.070	WSU15009	185,206
<b><u>U.S. Department of State</u></b>			
<b><u>Direct Award</u></b>			
Eco-Reps: Peer to Peer Sustainability Outreach	19.900	S-RS500-14-GR-124	12,881
<b><u>U.S. Department of Agriculture</u></b>			
<b><u>Direct Award</u></b>			
Sustainability Study of Wild Populations of Osha ( <i>Ligusticum porteri</i> )	10.000	12-CS-11020900-020	6,143
Kansas Species Conservation Partnership	10.000	13-CS-11020000-020	2,604
Restoration of understory plant communities at the Savannah River Site	10.000	14-CS-11083601-002	11,609
Sustainability Study of Wild Populations of Osha ( <i>Ligusticum Porteri</i> ) in the San Juan National Forest	10.000	15-CS-11021300-037	3,998
Interactive Online Resources for the Welfare of Pets During Air Travel	10.025	15-6100-0085-CA	8,609
Green Technologies for Product Diversification in an Integrated Biorefinery	10.312	2011-10006-30362	915,723
<b><u>Pass through KS Dept for Children and Families</u></b>			
Pilot Projects to Reduce Dependency	10.596	Agreement	302,654
<b><u>Pass through Michigan State Univ</u></b>			
Developing and promoting water-, nutrient-, and climate-smart technologies to help agricultural systems adapt to climate and society changes	10.310	RC104693B	26,679
<b><u>Pass through Univ of Delaware</u></b>			
Reducing uncertainty in carbon cycle science of North America: a synthesis program across United States	10.310	38517	41,629
<b><u>Pass through Univ of Nebraska - Lincoln</u></b>			
The <i>Pseudomonas syringae</i> type III translocator and the injection of bacterial effectors across the plant cell wall and plasma membrane	10.310	25-1215-0098-002	8,801
Co-Aerial Ecologist: Robotic Water Sampling and Sensing in the Wild	10.310	25-0511-0110-005	33,501
<b><u>U.S. Department of Transportation</u></b>			
<b><u>Direct Award</u></b>			
UAS Operational and Certification Standards Development to Mitigate Injury and Damage on the Ground	20.109	15-C-UAS-KU-01	41,832
<b><u>Pass through Texas A&amp;M Research Foundation</u></b>			
Performance Prediction and Analysis of Airfield Pavements Subjected to Next Generation Aircraft	20.108	12-S151230	17,521

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<b><u>Pass through KS Dept of Transportation</u></b>			
Construction of Low -Cracking High-Performance Bridge Decks Incorporating New Technology	20.205	RE-7000-01	\$ 25,018
2016 Local Technical Assistance Program (LTAP)	20.215	RE 0255-16 LTAP-R025	120,494
Kansas Rural Transit Assistance Program (RTAP)	20.509	PT-0511-35	25,493
<b><u>Pass through Univ of Nebraska - Lincoln</u></b>			
Development of Distortion-Induced Fatigue Retrofit Techniques for Skewed Steel Bridge Girders	20.701	25-1121-0003-245	5,688
Educational Activities through MATC at the University of Kansas FY 2014	20.701	25-1121-0003-245	3,328
<b><u>Pass through Univ of Colorado</u></b>			
Quantification of Cost, Benefits and Risk Associated with Alternate Contracting Methods and Accelerated Performance Specifications	20.000	1550889	18,035
<b><u>Veterans Administration</u></b>			
<b><u>Direct Award</u></b>			
VA Educational Therapy Program	64.000	VA255-P-0864	7,046
<b>TOTAL RESEARCH AND DEVELOPMENT CLUSTER</b>			<b>\$ 87,406,082</b>
<b>TRIO CLUSTER</b>			
<b><u>U.S. Department of Education</u></b>			
<b><u>Direct Award</u></b>			
Student Support Services Program	84.042	P042A110606-15	271,012
University of Kansas TRIO Student Support Services-STEM	84.042	P042A150254	127,559
University of Kansas Talent Search	84.044	P044A110799	371,773
University of Kansas Upward Bound Program	84.047	P047A130144	364,502
The University of Kansas Upward Bound Math and Science Center	84.047	P047M120139-15	266,153
The University of Kansas Veterans Upward Bound Program	84.047	P047V130043	236,434
University of Kansas Educational Opportunity Center	84.066	P066A110016 - 15	262,648
McNair Scholars Program	84.217	P217A120075 - 13	296,668
<b>TOTAL TRIO CLUSTER</b>			<b>\$ 2,196,749</b>
<b><u>U.S. Department of Education</u></b>			
<b><u>Direct Award</u></b>			
Fulbright-Hays Doctoral Dissertation Research Abroad Program	84.002	P022A140052	30,028
National Resource Centers Program	84.015	P015A100147 - 13	16
National Resource Centers Program	84.015	P015A100016 - 13	2,401
National Resource Centers Program (NRC)	84.015	P015A100044 - 13	16,840
National Resource Centers Program	84.015	P015A140178 - 15	229,138
Foreign Language and Area Studies Fellowships Program	84.015	P015B140073-16	304,517
Foreign Language and Area Studies Fellowships Program	84.015	P015B150178 - 16	295,854
Heartland College Assistance Migrant Program	84.149	S149A150007	246,730
Kansas State Plan for Assistive Technology	84.224	H224A140016 - 14A	(376)
Post-Doctoral Research Training Program in Special Education: Response to Intervention (RTI) in Early Childhood	84.324	R32B120004 - 15	110,412
Post-Doctoral Special Education Research Training in Urban Communities: A Research to Practice Model	84.324	R324B100004	8,012
Project LIFE (Low Incidence Functional Endorsement)	84.325	H325K090203-12	43,370
Training Personnel to Serve School Age Children with Low Incidence Disabilities: Autism Spectrum Disorders	84.325	H325K090213-12	(239)
KU Improving Transition Teacher Quality with Online Personnel Preparation (iTTran)	84.325	H325K100511 - 13	81,396
Augmentative and Alternative Communication in the Schools: Leadership and Access (ACTS) - Kansas City	84.325	H325K110338 - 15	215,728
University of Kansas Global Learning Opportunities Building Early Education Leaders (KU-GLOBEEL) Type A	84.325	H325D120065 - 15	261,529
Culturally-Responsive Early Literacy Intervention (CRELI): American Indian/Alaskan Native	84.325	H325K130316 - 15	221,404
KU-DDL: The University of Kansas Diversity, Development & Learning Early Childhood Unified Masters	84.325	H325K130073	257,622

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Leadership Training in Nondiscriminatory Special Education Policy and Practice	84.325	H325D150085	\$ 25,846
University of Kansas Project to Develop Responsive, Innovative, and Visionary Educators (KU-DRIVE), Type A	84.325		6,750
Kansas High-Incidence Preparation Project (KIP)	84.325	H325T080040-12	113
Center on Online Learning and Students with Disabilities	84.327	H327U110011 - 15	1,429,385
University of Kansas Washington Cluster GEAR UP Program	84.334	P334A110181-15	706,513
University of Kansas Harmon Cluster GEAR UP Program	84.334	P334A110182-15	665,512
University of Kansas Highland Park High School Cluster GEAR UP Program	84.334	P334A140114-16	444,641
TELK-Topeka: Teaching English Learners in Kansas-Topeka	84.365	T365Z110079 - 15	296,700
Design and Development of a Dynamic Learning Maps Alternate Assessment System	84.373	H373X100001 - 13C	393,814
<b><u>Pass through Families Together, Inc.</u></b>			
Kansas Parent Training and Information and Family-to-Family Health Information Center	84.328	Agreement	153
<b><u>Pass through Georgia State University</u></b>			
MAAPS: Monitoring Advising Analytics as Predictors of Success: A Study Proposed by the University Innovation Alliance	84.116	SP00012139-05	26,693
<b><u>Pass through Kenai Peninsula Borough School District</u></b>			
Using Assessments to Improve Teaching and Learning in the Kenai Peninsula Borough School District	84.367	PO1522035	6,369
<b><u>Pass through KS Board of Regents</u></b>			
College Access Challenge Grant Summer Funding AY2013-2014	84.378	Agreement	1,327
College Access Challenge Grant Application Proposal for Summer Funding AY 2014-2015	84.378	Agreement	145,884
<b><u>Pass through KS Dept of Education</u></b>			
Kansas Inservice Training System (KITS)	84.027	21013	110,342
The Kansas Transition Technical Assistance Project (KS-TTAP)	84.027	21001	65,175
Technical Assistance System Network	84.027	21002	50,607
KSDE ESOL Improvement Initiative	84.365	652-16-1879	22,042
<b><u>Pass through KS Dept of Health &amp; Environmt</u></b>			
Kansas Inservice Training System (KITS)-Infant and Toddler Expansion	84.181	Agreement	76,519
Kansas Inservice Training System (KITS)-Infant and Toddler Expansion	84.181	Agreement	232,330
<b><u>Pass through MO Dept of Elementary &amp; Secondary Ed</u></b>			
Statewide Evaluation of Secondary Transition Practices and Professional Development	84.027	Agreement	(2)
Missouri Post-Secondary Success Project	84.027	Agreement	31,582
State Personnel Development Grant Evaluation 2 (SPDG)	84.323	Agreement	49
State Personnel Development Grant Evaluation 2 (SPDG) - 2015	84.323	Agreement	1,452
State Personnel Development Grant Evaluation 2 (SPDG) - 2016	84.323	Agreement	110,512
<b><u>Pass through New Hampshire Dept of Education</u></b>			
DLM - Operational/Testing	84.000	2015-043	82,887
<b><u>Pass through Questar Assessment Inc.</u></b>			
English Language Arts and Mathematics Grades 3-5; Science Grades 5 and 8; and High School Algebra I, English II and Biology Alternate Assessments for Students with Significant Cognitive	84.369	Agreement	462,619
<b><u>Pass through Texas A&amp;M Research Foundation</u></b>			
Preparation of Leaders Across the Lifespan for Autism	84.325	S120025	20,969
<b><u>Pass through Univ of Kansas</u></b>			
Provide Professional Development and Associated Resources for the Strategic Instruction Model and Content Literacy Continuum	84.323	Agreement	402,179
Adolescent Literacy Partnerships: Meeting the Needs of All Students	84.323	E080327-600-077	637,909
Virginia's State Personnel Development Grant Proposal	84.325	Agreement	(14,676)
<b><u>Pass through Univ of North Carolina Charlotte</u></b>			
National Technical Assistance Center on Increasing Graduation and Improving Transition to Postsecondary Education and Careers for Students with Disabilities	84.326	20150079-03-UKS	164,174
<b><u>Pass through Univ of Oregon</u></b>			
OSEP Technical Assistance Center on Positive Behavioral Interventions and Supports	84.326	224440M	88,912
<b><u>Pass through USD 501, Topeka Public Schools</u></b>			
The Arts Infusion Project	84.351	16850	81,720
The Arts Infusion Project	84.351	16855	83,847
The Arts Infusion Project	84.351	18291	49
The Arts Infusion Project	84.351	18418	49,393

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<b><u>Pass through Virginia Department of Education</u></b>			
Virginia Department of Education, Online Transition Seminar	84.027	76788117-H027A140107	\$ 4,947
Virginia Department of Education, Online Transition Seminar	84.027	76788117-H027A130172	14,902
<b><u>Pass through Wichita State University</u></b>			
Evaluation of the Wichita North GEAR UP Program	84.334	R51239	20,648
GEAR UP, South Wichita Project	84.334	R51238	17,233
Evaluation of the Wichita North GEAR UP Program	84.334	R51399	23,467
GEAR UP, South Wichita Project	84.334	R51394	42,411
<b><u>U.S. Department of Homeland Security</u></b>			
<b><u>Direct Award</u></b>			
Kansas State Training Systems Grant Application FY 2012	97.043	EMW-2014-GR-000250	6,453
Kansas State Training Systems Grant Application FY 2012	97.043	EMW-2015-GR-00039-S0	17,013
AFG 2014	97.044	EMW-2014-FZ-00136	41,305
<b><u>U.S. Department of Commerce</u></b>			
<b><u>Direct Award</u></b>			
KU University Center Project: KU Entrepreneurship Works for Kansas - Phase III	11.303	05-66-05445.02	107,763
<b><u>U.S. Department of Defense</u></b>			
<b><u>Direct Award</u></b>			
Peace Corps Recruitment Proposal for FY 2013-2015	12.000	PC-12-8-094	4,593
Peace Corps Recruitment Proposal for FY 2016 - 2018	12.000	PC-15-8-030	15,835
<b><u>Pass through Institute for International Ed</u></b>			
Project GO Center: Critical Language Skill and Regional Expertise for 21st Century Officers	12.357	2603-KU-10-GO-015PO1	183,228
KU Project GO Center: Attaining Intercultural Understanding through Critical Language Learning for 21st Century Officers	12.357	2603-KU-10-GO-015PO3	164,134
Building Language Capacity to Meet National Security Needs: The University of Kansas Language Training Center	12.550	2013-LTC-KU	778
Building Language Capacity to Meet National Security Needs: The University of Kansas Language Training Center	12.579	2603-KU-10-LTCLT4PO2	157,685
Building Language Capacity to Meet National Security Needs: The University of Kansas Language Training Center	12.579	2603-KU-10-LTC-LT5-P	252,662
<b><u>U.S. Department of Energy</u></b>			
<b><u>Pass through Fermi National Accelerator Lab</u></b>			
Phenomenology of New Physics Beyond the Standard Model	81.000	623424	28,132
<b><u>U.S. Department of Interior</u></b>			
<b><u>Direct Award</u></b>			
Curation of Archaeological Collections CLIN 002	15.000	W912DQ-09-P-1051	(2,347)
Oregon Caves National Monument Book	15.000	DI-9340-P	(494)
<b><u>Pass through National Fish and Wildlife Foundation</u></b>			
Building Capacity for Milkweed/Monarch Habitat Restoration in Eastern Oklahoma	15.608	2007.15.050502	4,445
<b><u>U.S. Department of Justice</u></b>			
<b><u>Direct Award</u></b>			
Paul E. Wilson Defender Project	16.603	Agreement	2,746
Paul E. Wilson Defender Project	16.603	DJBPO408RF530001	30,486
<b><u>Pass through Office of Kansas Governor</u></b>			
Campus Access & Resource Expert (CARE) Facilitator	16.575	15-VOCA-12	4,477
<b><u>Pass through Kickapoo Tribe</u></b>			
Kickapoo CTAS #5 Violence Against Women Tribal Governments Program Evaluation	16.587	16946	25,232

See accompanying notes to schedule.

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
Year ended June 30, 2016

<u>Federal Grantor/Program Title</u>	<u>CFDA Number</u>	<u>Identifying Number</u>	<u>Amount</u>
<b><u>U.S. Department of Health and Human Services</u></b>			
<b><u>Direct Award</u></b>			
Training Researchers in Language Impairments	93.173	4T32DC000052-19	\$ 125,120
Substance use in foster care youth: Relations among maltreatment, use, and coping	93.279	5F31DA034423-02	(1,849)
Kansas State Plan for Assistive Technology	93.464	90AG0052-01-00	370,893
Kansas University Center on Developmental Disabilities (KUCDD)	93.632	90DD0700-05-00	493,736
Kansas Workforce Initiative	93.648	90CT0150-05-03	5,002
KAPP: Kansas Adoption Permanency Project	93.652	90CO1120-03-00	515,206
Health for All: Healthy Places that Promote Health Equity among Latinos in Kansas City, KS	93.738	5 NU58DP005806-02-00	763,126
Graduate Training Program in Multidimensional Vaccinogenesis	93.855	5T32AI070089-05	5,841
Training Grant in Dynamic Aspects of Chemical Biology	93.859	5T32GM008545-21	35,414
500 Nations Bridge Collaboration: Haskell Indian Nations University / U of Kansas	93.859	5R25GM060182-12	151,940
MBRS IMSD Program at the University of Kansas	93.859	5R25GM062232-15	475,567
Pharmaceutical Aspects of Biotechnology Training	93.859	5T32TGM008359-26	309,993
The genetic and developmental basis of repeated phenotypic shifts in Penstemon	93.859	5F32GM110988-02	53,233
Training Grant in Dynamic Aspects of Chemical Biology	93.859	5T32GM008545-23	288,271
500 Nations Bridge Collaboration: Haskell Indian Nations University / U of Kansas	93.859	2R25GM060182-13	72,748
Postdoctoral Training in Translational IDD Research	93.865	5T32HD057844-05	9,055
<b><u>Pass through Kansas Children's Cabinet and Trust Fund</u></b>			
Community Based Child Abuse Neglect and Prevention Program (CBCAP) Phase VII	93.669	Agreement	69,149
<b><u>Pass through Kickapoo Tribe</u></b>			
Kickapoo Project LAUNCH	93.243	16676	231,929
Cooperative Agreements for Tribal Behavior Health (Native Connections)	93.243	16947	57,296
Cooperative Agreements for Tribal Behavior Health (Native Connections)	93.243	18178	3,573
Kickapoo Project LAUNCH	93.243	18183	18,565
PPHF 2014: A Comprehensive Approach to Good Health and Wellness in Indian Country	93.762	17982	50,392
<b><u>Pass through KS Dept for Aging and Disability Service</u></b>			
CABH-States	93.243	Agreement	120,021
CABH-States	93.243	Agreement	7,797
Title XIX-Children's Mental Health FY 2014	93.778	Agreement	(391)
Title XIX-Children's Mental Health FY 2014	93.778	Agreement	(1,989)
CMH CBS - Title XIX - ROM FY 2016	93.778	Agreement	72,194
YCM - Title XIX - Children's Mental Health FY 2016	93.778	Agreement	70,715
<b><u>Pass through KS Dept for Children and Families</u></b>			
e.p.i.c.skillz project	93.558	OGC-2015-KUEPIC-01	145,806
Kansas Quality Rating System Development	93.575	Agreement	35,096
Kansas Head Start State Collaboration Office Phase 2: Needs Assessment Summary Report and Strategic Planning	93.600	Agreement	20,795
Community Based Child Abuse Neglect and Prevention Program (CBCAP) Phase VII	93.669	Agreement	(14)
<b><u>Pass through KS Dept of Health &amp; Environment</u></b>			
KU-CPPR Kansas MIECHV Evaluation	93.505	34748	225,693
Kansas MIECHV Formula Fund Performance Management + CQI Analysis and Report Development	93.505	Agreement	31,123
Equipment Exchange: Increasing Access to Durable Medical Equipment	93.778	KDHE2014-011	46,311
Equipment Exchange: Increasing Access to Durable Medical Equipment	93.778	KDHE2014-011	237,806
Assisting Medicaid Beneficiaries in Accessing Assistive Technology (ATK)	93.779	KDHE2014-010	96,356
Integrating Walking and Biking in Planning Processes for Kansas Small Cities and Counties	93.945	Agreement	8,164
Kansas Early Childhood Comprehensive Systems	93.110	Agreement	(283)
Kansas Early Childhood Comprehensive Systems	93.110	Agreement	34,730
The Kansas Project LAUNCH Initiative	93.243	Agreement	(134)
Kansas Project LAUNCH (evaluation)	93.243	Agreement	(213)
Kansas Home Visiting Evaluation	93.505	Agreement	17
Assisting Medicaid Beneficiaries in Accessing Assistive Technology	93.779	KDHE2014-010	28,069
<b><u>Pass through Nova Blue Ribbon Coalition for Youth</u></b>			
Novato Blue Ribbon Coalition for Youth Coalition Evaluation Plan	93.276	Agreement	2,284
<b><u>Pass through Oregon Department of Human Services</u></b>			
Oregon ROM Reports System	93.658	133972	73,466

See accompanying notes to schedule.

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
Year ended June 30, 2016

<u>Federal Grantor/Program Title</u>	<u>CFDA Number</u>	<u>Identifying Number</u>	<u>Amount</u>
<b><u>Pass through State of Nebraska Dept. Health &amp; Human S</u></b>			
Federal Home Visiting Data Collection and Reporting System for Nebraska	93.505	Agreement	\$ 8,597
Home Visiting Data Collection and Management - Nebraska 2015-2016	93.505	Agreement	155,709
<b><u>Pass through Univ of KS Med Ctr Research Institute</u></b>			
Access to Healthy Food and Neighborhood Walkability: Insights Through Interprofessional Curricula	93.283	Z9N00000	2,800
<b><u>Pass through Univ of Michigan</u></b>			
Evaluation of the QIC-ChildRep Training Program	93.652	3002541914	(6)
Evaluation of the QIC-ChildRep Training Program	93.652	3003459288	31,568
<b><u>Pass through Univ of Missouri - Kansas City</u></b>			
KC HealthTracks	93.137	0000067161/00050918	5,873
<b><u>Pass through Wisconsin Dept of Children &amp; Families</u></b>			
Data Application and Integration System for the Early Years (DAISEY)	93.870	Agreement	10,914
<b><u>National Aeronautics and Space Administration</u></b>			
<b><u>Direct Award</u></b>			
Intergovernmental Personnel Act (IPA) Agreement for Christopher Drahozal	27.011	Agreement	(4,225)
IPA for Amanda Reichard	27.011	Agreement	(3,056)
Intergovernmental Personnel Act (IPA) Agreement for Joseph Evans	27.011	IPA #0231	264,222
Intergovernmental Personnel Act (IPA) Agreement for Christopher Drahozal	27.011	Agreement	13,779
<b><u>National Endowment for the Arts</u></b>			
<b><u>Direct Award</u></b>			
PlayIT Forward: An exploration of a female aesthetic that sustains cultural traditions and personal histories	45.024	12-5400-7072	(835)
Technology, Arts and our Society; expressing, exploring and engaging	45.024	15-5400-7127	20,000
Advancing Research Collaboration in the Humanities	45.130	CH-50951	425,000
Humanities Challenge Project II	45.130	CH-20811	500,000
Don't Deny My voice II: Black Poetry after the Black Arts Movement	45.163	EH-50446-14	89,819
Ethical Boundaries of Community in Russian Literature and Beyond	45.163	AQ-248198	6,856
Black Book Interactive Project	45.169	HD-248607-16	1,077
Lasting Impressions: Updating Works on Paper Collection Storage at the Spencer Museum of Art	45.301	MA-30-15-0383-15	91,688
<b><u>Pass through American Library Association</u></b>			
500 Years Thinking Latin@ Americanidad: Guadalupe/Tonantzin and the Historical Search for Cultural Identity	45.164	LA104664	6,254
<b><u>Pass through KS Dept of Commerce &amp; Housing</u></b>			
Detective's Eye Trading Cards	45.024	Agreement	3,540
Working Group Theatre Project	45.025	FY14-014	3,000
<b><u>Pass through KS Humanities Council</u></b>			
On the Brink: Borders, Boundaries, and Becoming	45.129	216005MU	6,586
<b><u>National Science Foundation</u></b>			
<b><u>Direct Award</u></b>			
FEW Workshop Proposal: Defining the Opportunities and Challenges for Research and Design Strategies to support Innovations at the Nexus of Food, Energy, and Water Systems (INFEWS)	47.041	CBET-1559379	24,608
REU Site: A Summer Experience for Undergraduates Integrating Research, Education, and Career Development in an Interdisciplinary Environment	47.049	CHE-1004897	9,000
REU Site: A Summer Experience for Undergraduates Integrating Research, Education, and Career Development in an Interdisciplinary Environment	47.049	CHE-1560279	31,143
Student Travel Support for the IEEE GLOBECOM 2015	47.070	CNS154774	9,950
CANSec: The Central Area Networking and Security Workshop	47.070	CNS-1602041	3,701
REU Site: Models in Evolution, Ecology and Systematics	47.074	DBI-1262795	103,759
Enhancements to Internet and communication systems at the KU Field Station	47.074	DBI-1319170	59,390
Kansas City Research Data Center	47.075	SES-1359527	138,738
Graduate Research Fellowships	47.076	DGE-0907996	112,333
Adventures at Nanoscale: Superconductivity	47.076	DRL-1065789	(2,942)
An Interdisciplinary Scholarship Program for Undergraduates in Renewable Energy	47.076	DUE-1060660	92,695
Graduate Research Fellowship Program	47.076	DGE-1451148	(231,333)

See accompanying notes to schedule.

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
Year ended June 30, 2016

<u>Federal Grantor/Program Title</u>	<u>CFDA Number</u>	<u>Identifying Number</u>	<u>Amount</u>
Graduate Research Fellowship Program	47.076	DGE-1540502	\$ 495,333
IGERT: C-CHANGE: Climate Change, Humans, and Nature in the Global Environment	47.076	DGE-0801522	68,560
IPA Agreement for Jun (Luke) Huan appointment at NSF	47.000	IIS-1624071	76,602
<b><u>Pass through Univ of Houston</u></b>			
A Proposal to Support Graduate Student Attendance at the University of Houston EITM Summer Training Institute	47.075	R-15-0015	(59)
<b><u>Small Business Administration</u></b>			
<b><u>Pass through Fort Hays State Univ</u></b>			
Univ of KS Small Business Development Center	59.037	1513	49,010
University of Kansas Small Business Development Center	59.037	1613	23,046
<b><u>U.S. Department of State</u></b>			
<b><u>Direct Award</u></b>			
Study of the U.S. Institute of Student Leaders on Women's Leadership	19.009	S-ECAGD-13-CA-0112	203,652
English Language and Teacher Education Program for Vietnamese English Teachers of Gifted Students	19.040	S-VM300-14-GR-125	(44,683)
English Language and Teacher Education Program for Vietnamese English Teachers of Gifted Students	19.040	S-VM300-14-GR-179	2,395
English Language and Teacher Education Program for Vietnamese English Teachers of Gifted Students	19.040	S-VM300-15-GR-151	347,868
U.S. Institute on Women's Leadership: Women's Civic Leadership from the Heartland	19.040		42,940
<b><u>Pass through Institute for International Ed</u></b>			
2015 8-Week Hubert Humphrey Program	19.010	Agreement	138,226
6-Week English Refinement for Graduate Studies Program for Fulbright Grantees	19.400	Agreement	(11,165)
6-Week English Refinement for Graduate Studies Program for Fulbright Grantees	19.400	Agreement	(40,154)
6-Week English for Graduate Studies Program for Fulbright Foreign Students	19.400	Agreement	210,002
Applied English Center 6-week English for Graduate Studies Program for Fulbright Foreign Students	19.400	3216 KU 3.15.2016	6,639
<b><u>U.S. Department of the Treasury</u></b>			
<b><u>Direct Award</u></b>			
VITA grant project	21.009	15VITA0237	1,696
VITA grant project	21.009	16VITA0165	11,958
<b><u>U.S. Department of Agriculture</u></b>			
<b><u>Pass through KS Dept of Education</u></b>			
Child Nutrition and Wellness Summer Food Service Program	10.559	XO163-UBMS	6,739
Child Nutrition and Wellness Summer Food Service Program For Upward Bound	10.559	XO163-UB	8,264
Child Nutrition and Wellness Summer Food Service Program (HHLA)	10.559	XO163-HHLA	4,990
<b><u>U.S. Department of Transportation</u></b>			
<b><u>Pass through KS Dept of Transportation</u></b>			
2015 Local Technical Assistance Program (LTAP)	20.205	LTAP-R025 (515)	222,217
<b><u>Pass through KS State Univ, SPA</u></b>			
Traffic Assistance Services for Kansas (TASK) Program	20.215	SP-1402-14	17,415
Traffic Assistance Services for Kansas (TASK) Program	20.215	SP-1402-15	7,209
<b><u>Pass through KS Dept of Transportation</u></b>			
Technical Services for the Kansas Rural Transit Assistance Program	20.509	PT-0511-36	151,417
Transportation Safety Conferences 2013-2017	20.600	SA-0943-15	64,605
Biased-Based Policing Grant	20.611	RP-1911-14SP-2300-14	(45,358)
<b><u>Veterans Administration</u></b>			
<b><u>Direct Award</u></b>			
VA Educational Therapy Program	64.000	VA255-15-C-0021	29,012
<b><u>TOTAL EXPENDITURES OF FEDERAL AWARDS</u></b>			<b><u>\$ 109,401,434</u></b>

See accompanying notes to schedule.



UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
Year ended June 30, 2016

Of the federal expenditures presented in this schedule, the Center provided federal awards to subrecipients as follows:

<b>Program</b>	<b>CFDA Number</b>	<b>Amount Provided</b>
Research & Development Cluster	Multiple	\$ 16,020,470
Trafficking/Terrorism Nexus in Eurasia	12.300	25,107
RET: Shaping Inquiry from Feedstock to Tailpipe with Education Development (SHIFTED)	47.041	9,999
EAGER: The evolution of anti-predator defenses in tortoise beetles	47.074	1,474
Technical Assistance System Network	84.027	5,469
Heartland College Assistance Migrant Program	84.149	52,836
Center on Online Learning and Students with Disabilities	84.327	767,781
Design and Development of a Dynamic Learning Maps Alternate Assessment System	84.373	345,251
Kansas State Plan for Assistive technology	93.464	130,662
Kansas University Center on Developmental Disabilities (KUCDD)	93.632	99,064
KAPP: Kansas Adoption Permanency Project among Latinos	93.652	234,703
Health for All: Healthy Places that Promote Health Equity in Kansas City, KS	93.738	137,785
Equipment Exchange: Increasing Access to Durable Medical Equipment	93.778	141,614
Assisting Medicaid Beneficiaries in Accessing Assistive Technology	93.779	124,425
Mechanisms and Energetics of Transmembrane-induced Signaling of Cytokine Receptors	93.859	<u>(4,977)</u>
		<u>\$ 18,091,663</u>

See accompanying notes to schedule.

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
Year ended June 30, 2016

**NOTE 1 - ORGANIZATION**

The University of Kansas Center for Research, Inc. (the Center) is the recipient of several federal grants. The accompanying schedule of expenditures of federal awards presents the activity of all federal awards programs of the Center for the year ended June 30, 2016. All federal awards received directly from federal agencies, as well as federal awards passed through other government agencies, are included on the schedule.

**NOTE 2 - BASIS OF PRESENTATION**

Expenditures reported on the Schedule are reported on the accrual basis of accounting. Such expenditures are recognized following, as applicable, either the cost principles in OMB Circular A-122, Cost Principles for Non-Profit Organizations or the cost principles contained in Title 2 U.S. Code of Federal Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards, 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. The Center has elected to use the 10-percent de minimis indirect cost rate as allowed under the Uniform Guidance.

**NOTE 3 - COST SHARE**

Local cost sharing, as defined by the Uniform Guidance is required by certain federal grants. The amount of cost sharing varies with each program. Only the federal share of expenditures is presented in the Schedule of Expenditures of Federal Awards.

**NOTE 4 - ADDITIONAL AUDITS**

Grantor agencies reserve the right to conduct additional audits of the Center's grant programs for economy and efficiency and program results which may result in disallowed costs to the Center. However, management does not believe such audits would result in any disallowed costs that would be material to the Center's financial position at June 30, 2016.

**NOTE 5 – SUBTOTALS BY FEDERAL AGENCY AND CFDA**

<u>Department</u>	<u>CFDA Number</u>	<u>Amount</u>
U.S. Department of Agriculture	10.000	\$ 24,354
	10.025	8,609
	10.310	110,610
	10.312	915,723
	10.559	19,993
	10.596	<u>302,654</u>
		1,381,943
U.S. Department of Commerce	11.303	107,763
	11.431	86,843
	11.549	57,650
	11.553	8,676
	11.620	<u>6,728</u>
		267,660
U.S. Department of Defense	12.000	1,551,528
	12.002	6,916
	12.114	65,882
	12.300	599,091
	12.357	347,362
	12.420	136,562
	12.431	<u>2,301,905</u>

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
Year ended June 30, 2016

**NOTE 5 – SUBTOTALS BY FEDERAL AGENCY AND CFDA (Continued)**

<b>Department</b>	<b>CFDA Number</b>	<b>Amount</b>
	12.550	\$ 778
	12.556	23,195
	12.579	410,347
	12.630	670,136
	12.800	131,012
	12.910	<u>28,512</u>
		6,273,226
Department of Housing and Urban Development		
	14.000	15,877
U.S. Department of Interior		
	15.000	6,965
	15.608	4,445
	15.611	90,725
	15.634	30,154
	15.658	18,541
	15.805	43,107
	15.807	1,050
	15.810	114,710
	15.814	47,900
	15.815	25,161
	15.819	<u>10,333</u>
		393,091
U.S. Department of Justice		
	16.560	10,988
	16.575	4,477
	16.587	25,232
	16.603	33,232
	16.745	<u>1,726</u>
		75,655
U.S. Department of Labor		
	17.261	9,370
U.S. Department of State		
	19.009	203,652
	19.010	138,226
	19.040	348,520
	19.400	165,322
	19.900	<u>12,881</u>
		868,601
U.S. Department of Transportation		
	20.000	18,035
	20.108	17,521
	20.109	41,832
	20.205	247,235
	20.215	145,118
	20.218	
	20.509	176,910
	20.600	64,605
	20.611	(45,358)
	20.701	<u>9,016</u>
		674,914
U.S. Department of the Treasury		
	21.009	13,654
Library of Congress		
	42.000	14,508

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
Year ended June 30, 2016

**NOTE 5 – SUBTOTALS BY FEDERAL AGENCY AND CFDA (Continued)**

<b>Department</b>	<b>CFDA Number</b>	<b>Amount</b>
National Aeronautics and Space Administration	27.011	\$ 270,720
	43.000	187,033
	43.001	2,602,114
	43.002	286,371
	43.008	<u>262,336</u>
		3,608,574
National Endowment for the Arts	45.024	22,705
	45.025	3,000
	45.129	6,586
	45.130	925,000
	45.163	96,675
	45.164	74,567
	45.169	1,077
	45.301	91,688
	45.312	<u>12,055</u>
		1,233,353
National Science Foundation	47.000	76,602
	47.041	1,204,121
	47.049	4,971,961
	47.050	3,345,784
	47.070	1,638,715
	47.074	4,193,236
	47.075	987,459
	47.076	968,136
	47.078	3,788
	47.079	1,371,510
	47.080	3,551
	47.081	2,284,280
	47.082	<u>(1,909)</u>
		21,047,234
Small Business Administration	59.037	72,056
Veterans Administration	64.000	36,058
Environmental Protection Agency	66.436	470
	66.458	1,769
	66.461	97,916
	66.509	21,031
	66.516	<u>14,938</u>
		136,124
U.S. Department of Energy	81.000	310,114
	81.049	1,196,941
	81.089	3,181,829
	81.121	(133)
	81.135	<u>73,470</u>
		4,762,221

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
Year ended June 30, 2016

**NOTE 5 – SUBTOTALS BY FEDERAL AGENCY AND CFDA (Continued)**

<b>Department</b>	<b>CFDA Number</b>	<b>Amount</b>
U.S. Department of Education	84.000	\$ 82,887
	84.002	30,028
	84.015	848,766
	84.022	5,279
	84.027	833,255
	84.042	398,571
	84.044	371,773
	84.047	867,089
	84.066	262,648
	84.116	5,026,693
	84.133	(166,368)
	84.149	246,730
	84.181	308,849
	84.217	296,668
	84.224	(376)
	84.287	211,888
	84.305	681,123
	84.323	1,295,783
	84.324	2,302,551
	84.325	1,481,679
	84.326	5,332,585
	84.327	2,289,382
	84.328	153
	84.334	1,920,425
	84.351	263,065
	84.365	318,742
	84.367	54,742
	84.368	471,578
	84.369	462,619
	84.373	393,814
84.378	147,211	
84.407	60,842	
84.411	93,537	
84.418	97,396	
	<u>27,291,607</u>	
U.S. Department of Health and Human Services	93.000	1,895,151
	93.061	605
	93.087	591,105
	93.103	410,036
	93.110	745,627
	93.121	763,090
	93.136	52,009
	93.137	5,873
	93.173	1,747,075
	93.239	1,337
	93.242	888,042
	93.243	1,044,599
	93.276	2,284
	93.279	553,107
	93.283	12,559
	93.310	165,422
	93.331	12,554
93.350	9,908	
93.351	185,074	

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
Year ended June 30, 2016

**NOTE 5 – SUBTOTALS BY FEDERAL AGENCY AND CFDA (Continued)**

<b>Department</b>	<b>CFDA Number</b>	<b>Amount</b>
	93.361	\$ 56,216
	93.389	2,352
	93.393	282,664
	93.394	230,758
	93.395	1,529,136
	93.396	5,043
	93.397	151,241
	93.433	1,864,181
	93.464	370,893
	93.505	1,027,401
	93.558	145,806
	93.575	35,096
	93.590	85,310
	93.600	231,542
	93.615	71,227
	93.632	493,736
	93.647	24,717
	93.648	1,138,387
	93.652	546,768
	93.658	73,466
	93.669	69,135
	93.738	763,126
	93.757	57,815
	93.762	50,392
	93.768	54,144
	93.778	2,658,721
	93.779	124,425
	93.789	138,296
	93.837	748,663
	93.846	51,278
	93.847	440,802
	93.853	1,620,091
	93.855	2,403,370
	93.859	10,601,087
	93.865	2,498,635
U.S. Department of Health and Human Services (continued)	93.866	874,912
	93.867	236,411
	93.870	10,914
	93.926	182,406
	93.945	8,164
	93.989	20,622
	93.995	(4)
		<u>41,064,802</u>
Corporation for National and Community Service	94.021	15,190
U.S. Department of Homeland Security	97.043	23,466
	97.044	122,250
		<u>145,716</u>
<b>TOTAL</b>		<b><u>\$ 109,401,434</u></b>

# Crowe Chizek LLP

## INDEPENDENT AUDITOR'S REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH GOVERNMENT AUDITING STANDARDS

To the Board of Trustees  
University of Kansas Center for Research, Inc.  
Lawrence, Kansas

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 the University of Kansas Center for Research, Inc. (the Center), a component unit of the University of Kansas, which comprise the statement of financial position as of June 30, 2016, and the related statements of activities, and cash flows for the year then ended, and the related notes to the financial statements, and have issued our report thereon dated September 29, 2016.

### **Internal Control Over Financial Reporting**

In planning and performing our audit of the financial statements, we considered the Center'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 Center's internal control. Accordingly, we do not express an opinion on the effectiveness of the Center'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 Center'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.

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(Continued)

## Compliance and Other Matters

As part of obtaining reasonable assurance about whether the Center'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 Center'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 Center's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

  
Crowe Chizek LLP

Indianapolis, Indiana  
September 29, 2016



# Crowe Chizek LLP

## INDEPENDENT AUDITOR'S REPORT ON COMPLIANCE FOR EACH MAJOR FEDERAL PROGRAM; REPORT ON INTERNAL CONTROL OVER COMPLIANCE

To the Board of Trustees  
University of Kansas Center for Research, Inc.  
Lawrence, Kansas

### **Report on Compliance for Each Major Federal Program**

We have audited the University of Kansas Center for Research, Inc.'s (the Center), a component unit of the University of Kansas, compliance with the types of compliance requirements described in the *OMB Compliance Supplement* that could have a direct and material effect on each of Center's major federal programs for the year ended June 30, 2016. The Center'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 Center'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 the audit requirements of Title 2 U.S. Code of Federal Regulations Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Those standards and the Uniform Guidance 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 Center'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 Center's compliance.

#### ***Opinion on Each Major Federal Program***

In our opinion, the Center 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, 2016.

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(Continued)

## Report on Internal Control Over Compliance

Management of the Center 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 Center'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 the Uniform Guidance, 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 Center'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 the Uniform Guidance. Accordingly, this report is not suitable for any other purpose.

*Crowe Chizek LLP*

Crowe Chizek LLP

Indianapolis, Indiana  
September 29, 2016

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
SCHEDULE OF FINDINGS AND QUESTIONED COSTS  
For the year ended June 30, 2016

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**Financial Statements**

Type of auditor's report issued: Unmodified

Internal control over financial reporting:

Material weakness(es) identified? \_\_\_\_\_ Yes     X  No

Significant deficiencies identified 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 deficiencies identified 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 2CFR 200.516(a)? \_\_\_\_\_ Yes     X  No

Identification of major programs:

<u>CFDA Number(s)</u>	<u>Name of Federal Program or Cluster</u>
Various	Research and Development Cluster

Dollar threshold used to distinguish between Type A and Type B programs: \$3,000,000

Auditee qualified as low-risk auditee?  X  Yes    \_\_\_\_\_ No

**SECTION 2 - FINDINGS RELATED TO THE FINANCIAL STATEMENTS THAT ARE REQUIRED TO BE REPORTED IN ACCORDANCE WITH GAGAS.**

None

**SECTION 3 - FINDINGS AND QUESTIONED COSTS FOR FEDERAL AWARDS INCLUDING AUDIT FINDINGS AS DEFINED IN OMB CIRCULAR A-133 SECTION 510(a).**

None

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UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.  
SCHEDULE OF PRIOR YEAR FINDINGS AND QUESTIONED COSTS  
For the year ended June 30, 2016

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There were no findings for the year ended June 30, 2015.