

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

FINANCIAL STATEMENTS
June 30, 2017 and 2016

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

FINANCIAL STATEMENTS
June 30, 2017 and 2016

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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, 2017 and 2016, 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.

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, 2017 and 2016, 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 27, 2017 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 27, 2017

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
STATEMENTS OF FINANCIAL POSITION
June 30, 2017 and 2016

	<u>2017</u>	<u>2016</u>
Assets		
Current assets		
Cash and cash equivalents	\$ 21,814,308	\$ 19,713,510
Current investments	42,423,320	39,241,990
Accounts receivable, net		
Federal	14,370,233	16,781,755
State	2,646,092	2,950,724
Other	<u>8,032,402</u>	<u>8,171,396</u>
Total accounts receivable	<u>25,048,727</u>	<u>27,903,875</u>
Note receivable, net – current	54,059	97,551
Prepaid expenses	<u>135,176</u>	<u>231,242</u>
Total current assets	<u>89,475,590</u>	<u>87,188,168</u>
Property and equipment, net	17,949,130	19,257,457
Buildings and equipment in progress	<u>1,191,243</u>	<u>1,605,140</u>
Total property and equipment	<u>19,140,373</u>	<u>20,862,597</u>
Long-term investments	7,036,837	6,611,555
Notes receivable, net	<u>982,172</u>	<u>740,592</u>
Total assets	<u>\$ 116,634,972</u>	<u>\$ 115,402,912</u>
 Liabilities and Net Assets		
Current liabilities		
Accounts payable and accrued expenses	\$ 17,744,941	\$ 18,085,954
Bonds payable, net - current	4,114,682	3,293,000
Assets held for others	8,087,955	7,420,551
Deferred revenues - sponsored research		
Federal	909,625	909,525
State	1,290,900	1,683,964
Other	<u>7,092,498</u>	<u>6,913,652</u>
Total deferred revenues	<u>9,293,023</u>	<u>9,507,141</u>
Total current liabilities	<u>39,240,601</u>	<u>38,306,646</u>
Bonds payable, net	<u>26,326,426</u>	<u>30,441,109</u>
Total liabilities	<u>65,567,027</u>	<u>68,747,755</u>
Net Assets		
Unrestricted	44,032,827	40,052,252
Temporarily restricted	1,039,112	606,899
Permanently restricted	<u>5,996,006</u>	<u>5,996,006</u>
Total net assets	<u>51,067,945</u>	<u>46,655,157</u>
Total liabilities and net assets	<u>\$ 116,634,972</u>	<u>\$ 115,402,912</u>

See accompanying notes to financial statements.

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
STATEMENT OF ACTIVITIES
Year ended June 30, 2017

	<u>Unrestricted</u>	<u>Temporarily Restricted</u>	<u>Permanently Restricted</u>	<u>Total</u>
Revenues, Gains, and Other Support				
Direct research income	\$ 112,678,891	\$ -	\$ -	\$ 112,678,891
Facilities & administrative (F&A) revenue	<u>23,560,170</u>	<u>-</u>	<u>-</u>	<u>23,560,170</u>
	<u>136,239,061</u>	<u>-</u>	<u>-</u>	<u>136,239,061</u>
Service centers	9,856,154			9,856,154
Royalties	4,682,332	-	-	4,682,332
Donation of equipment – non project funds	84,730	-	-	84,730
Investment returns, net	2,951,617	715,074	-	3,666,691
Other income	1,419,355	-	-	1,419,355
Net assets released from restriction	<u>282,861</u>	<u>(282,861)</u>	<u>-</u>	<u>-</u>
 Total revenues, gains and other support	 <u>155,516,110</u>	 <u>432,213</u>	 <u>-</u>	 <u>155,948,323</u>
Expenses				
Direct research expenses	112,678,891	-	-	112,678,891
Capitalized expenses for property and equipment	<u>(3,861,539)</u>	<u>-</u>	<u>-</u>	<u>(3,861,539)</u>
	<u>108,817,352</u>	<u>-</u>	<u>-</u>	<u>108,817,352</u>
Management and general expenses				
University support	3,664,069	-	-	3,664,069
Research admin., unit support, startup	10,362,115	-	-	10,362,115
Matching costs	1,036,868	-	-	1,036,868
Interest expense-bonds	<u>869,282</u>	<u>-</u>	<u>-</u>	<u>869,282</u>
Total management and general expenses	15,932,334	-	-	15,932,334
Research unit/school expenses	3,556,193	-	-	3,556,193
Service centers	9,715,899	-	-	9,715,899
Other programs services	5,928,485	-	-	5,928,485
Depreciation	4,662,350	-	-	4,662,350
Loss on disposal of assets	<u>199,434</u>	<u>-</u>	<u>-</u>	<u>199,434</u>
Total expenses	<u>148,812,047</u>	<u>-</u>	<u>-</u>	<u>148,812,047</u>
Change in net assets before transfers	6,704,063	432,213	-	7,136,276
Transfers to University	<u>(2,723,488)</u>	<u>-</u>	<u>-</u>	<u>(2,723,488)</u>
Change in net assets	3,980,575	432,213	-	4,412,788
Net assets, beginning of year	<u>40,052,252</u>	<u>606,899</u>	<u>5,996,006</u>	<u>46,655,157</u>
Net assets, end of year	<u>\$ 44,032,827</u>	<u>\$ 1,039,112</u>	<u>\$ 5,996,006</u>	<u>\$ 51,067,945</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>
Revenues, Gains, and Other Support				
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 returns, net	1,961,040	(117,824)	-	1,843,216
Contributions	-	38	-	38
Other income	3,521,778	-	-	3,521,778
Net assets released from restriction	<u>292,296</u>	<u>(292,296)</u>	<u>-</u>	<u>-</u>
 Total revenues, gains and other support	 <u>158,310,578</u>	 <u>(410,082)</u>	 <u>-</u>	 <u>157,900,496</u>
Expenses				
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	11,562,323	-	-	11,562,323
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	14,241,259	-	-	14,241,259
Research unit/school expenses	4,078,073	-	-	4,078,073
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>151,832,103</u>	<u>-</u>	<u>-</u>	<u>151,832,103</u>
Change in net assets before transfers	6,478,475	(410,082)	-	6,068,393
Transfers to University	<u>(579,121)</u>	<u>-</u>	<u>-</u>	<u>(579,121)</u>
Change in net assets	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>
Net assets, end of year	<u>\$ 40,052,252</u>	<u>\$ 606,899</u>	<u>\$ 5,996,006</u>	<u>\$ 46,655,157</u>

See accompanying notes to financial statements.

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
STATEMENTS OF CASH FLOWS
Years ended June 30, 2017 and 2016

	<u>2017</u>	<u>2016</u>
Cash flows from operating activities		
Cash received for research contracts, grants and service accounts and unit support	\$ 139,534,461	\$ 139,105,701
Royalties received	4,695,367	4,404,349
Interest received	721,048	814,281
Payments to suppliers and employees	(143,294,261)	(148,316,328)
Interest paid	(1,088,950)	(1,163,436)
Other operating receipts	<u>11,275,509</u>	<u>12,308,905</u>
Net cash from operating activities	<u>11,843,174</u>	<u>7,153,472</u>
Cash flows from investing activities		
Purchase of property and equipment	(5,778,319)	(4,589,780)
Purchase of investments	(943,830)	(36,057,489)
Proceeds from sales and maturities of investments	282,861	35,491,827
Issuance of notes receivable	(250,000)	-
Collection of notes receivable	<u>51,912</u>	<u>87,814</u>
Net cash from investing activities	<u>(6,637,376)</u>	<u>(5,067,628)</u>
Cash flows from financing activities		
Principal payments of long-term debt	<u>(3,105,000)</u>	<u>(3,035,000)</u>
Net cash from financing activities	<u>(3,105,000)</u>	<u>(3,035,000)</u>
Increase (Decrease) in Cash and Cash Equivalents	2,100,798	(949,156)
Cash and Cash Equivalents, Beginning of Year	<u>19,713,510</u>	<u>20,662,666</u>
Cash and Cash Equivalents, End of Year	<u>\$ 21,814,308</u>	<u>\$ 19,713,510</u>
Reconciliation of Change in Net Assets to Net Cash Provided by Operating Activities		
Change in net assets	\$ 4,412,788	\$ 5,489,272
Adjustments to reconcile change in net assets to net cash provided by operating activities:		
Depreciation	4,662,350	4,927,560
Amortization	(188,000)	(188,000)
Donations of equipment - non project funds	(84,730)	(179,562)
Loss on disposal of property and equipment	199,434	207,902
Realized and unrealized gains on investments	(2,945,643)	(1,121,093)
Transfer of assets to University of Kansas	2,723,488	579,121
Changes in:		
Accounts receivable, net	2,855,148	(348,439)
Interest receivable	-	92,158
Prepaid expenses	96,066	61,651
Accounts payable and accrued expenses	(341,013)	(1,817,477)
Assets held for others	667,404	212,963
Deferred revenues - research	<u>(214,118)</u>	<u>(762,584)</u>
Net cash provided by operating activities	<u>\$ 11,843,174</u>	<u>\$ 7,153,472</u>
Supplemental Cash Flow Information		
Noncash investing activities:		
Donations of equipment - non project funds	\$ 84,730	\$ 179,562
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, 2017 and 2016

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.

Cash Equivalents: The Center considers all liquid investments with original maturities of three months or less to be cash equivalents. At June 30, 2017 and 2016, 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, 2017 or 2016.

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.

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.

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO FINANCIAL STATEMENTS
June 30, 2017 and 2016

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

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 46% and 43% of all grant revenues was received from three grantors (federal agencies) during the years ended June 30, 2017 and 2016, 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, 2017 and 2016 are as follows:

<u>June 30, 2017</u>	<u>Receivables</u>	<u>Allowance</u>	<u>Net</u>
Accounts receivable - federal	\$ 14,370,233	\$ -	\$ 14,370,233
Accounts receivable - state	2,646,092	-	2,646,092
Accounts receivable - other	<u>8,141,756</u>	<u>(95,479)</u>	<u>8,032,402</u>
	<u>\$ 25,158,081</u>	<u>\$ (95,479)</u>	<u>\$ 25,048,727</u>
<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>

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.

(Continued)

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

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, 2017 and 2016. At June 30, 2017 and June 30, 2016, the Center has not recorded any expected tax benefits.

Reclassifications: Certain reclassifications have been made to present last year’s financial statements on a basis comparable to the current year’s financial statements. These reclassifications had no effect on the change in net assets or total net assets.

Subsequent Events: Management has performed an analysis of the activities and transactions subsequent to June 30, 2017, to determine the need for any adjustments or disclosures to the financial statements for the year ended June 30, 2017. Management has performed their analysis through September 27, 2017, 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 KUCR 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.

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.

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
 NOTES TO FINANCIAL STATEMENTS
 June 30, 2017 and 2016

NOTE 2 - INVESTMENTS (Continued)

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.

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. 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, 2017			
Domestic equity funds	\$ 11,161,993	11,161,993	\$ -
Domestic bond funds	14,506,994	14,506,994	-
Domestic real estate funds	3,313,953	3,313,953	-
International equity funds	6,696,403	6,696,403	-
International bond funds	3,813,978	3,813,978	-
International real estate funds	2,092,904	2,092,904	-
Money market mutual funds	85,369	85,369	-
Funds held in trust for debt service	751,726	751,726	-
Investments held by KU Endowment	<u>7,036,837</u>	<u>-</u>	<u>7,036,837</u>
	<u>\$ 49,460,157</u>	<u>\$ 42,423,320</u>	<u>\$ 7,036,837</u>

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO FINANCIAL STATEMENTS
June 30, 2017 and 2016

NOTE 2 - INVESTMENTS (Continued)

	<u>Fair Value measurement at Reporting Date Using</u>		
	<u>Fair Value</u>	<u>Level 1</u>	<u>NAV</u>
June 30, 2016			
Domestic equity funds	\$ 10,249,938	\$ 10,249,938	\$ -
Domestic bond funds	13,473,817	13,473,817	-
Domestic real estate funds	3,224,714	3,224,714	-
International equity funds	6,016,451	6,016,451	-
International bond funds	3,594,821	3,594,821	-
International real estate funds	1,866,973	1,866,973	-
Money market mutual funds	63,627	63,627	-
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>

Total investment return is comprised of the following:

	<u>2017</u>	<u>2016</u>
Interest and dividend income	\$ 721,048	\$ 722,123
Realized gain	722,460	407,741
Unrealized gain	<u>2,223,183</u>	<u>713,352</u>
	<u>\$ 3,666,691</u>	<u>\$ 1,843,216</u>

Investment expense, included in investment income, was \$120,150 and \$58,915 for the years ended June 30, 2017 and 2016, 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.

During fiscal year 2017, the Center advanced an additional \$250,000 under a newly issued promissory note in the amount of \$4,000,000 with BTBC. The note matures 20 years after the final principal advance is made, which is expected to occur on March 1, 2018 and bears interest at 2.5%, and is secured by an unconditional assignment of amounts payable, insurance, and rent from all tenants of the facility. The note requires interest only payments during the first three years following the final principal advance and then annual payments of \$291,711 of principal and interest after that.

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO FINANCIAL STATEMENTS
June 30, 2017 and 2016

NOTE 3 - NOTES RECEIVABLE (Continued)

All 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>2016</u>	<u>Additions</u>	<u>Repayments</u>	June 30, <u>2017</u>	Current <u>Portion</u>
BTBC notes	\$ 838,143	\$ 250,000	\$ (51,912)	\$1,036,231	\$ 54,059

Future repayment activity for the notes is as follows:

Year Ending <u>June 30</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2018	\$ 54,059	\$ 33,441	\$ 87,500
2019	56,362	37,388	93,750
2020	663,152	34,987	698,139
2021	12,658	6,797	19,455
2022	11,982	6,250	18,232
Thereafter	<u>238,018</u>	<u>53,693</u>	<u>291,711</u>
	<u>\$1,036,231</u>	<u>\$ 172,556</u>	<u>\$1,208,787</u>

NOTE 4 - PROPERTY AND EQUIPMENT

Property and equipment at June 30, 2017 and 2016 consists of:

	June 30, <u>2016</u>	<u>Increases</u>	<u>Decreases</u>	June 30, <u>2017</u>
Land	\$ 880,808	\$ -	\$ -	\$ 880,808
Building	1,916,236	-	-	1,916,236
Office equipment	844,753	135,717	(84,108)	896,362
Scientific equipment	<u>65,144,108</u>	<u>3,417,742</u>	<u>(1,614,308)</u>	<u>66,947,542</u>
	<u>68,785,905</u>	<u>3,553,459</u>	<u>(1,698,416)</u>	<u>70,568,948</u>
Less accumulated depreciation:				
Building	293,424	76,649	-	370,073
Office equipment	378,323	106,699	(75,570)	409,452
Scientific equipment	<u>48,856,701</u>	<u>4,479,004</u>	<u>(1,423,412)</u>	<u>51,912,293</u>
	<u>49,528,448</u>	<u>4,662,352</u>	<u>(1,498,982)</u>	<u>52,691,818</u>
	<u>19,257,457</u>	<u>(1,108,893)</u>	<u>(199,434)</u>	<u>17,949,130</u>
Buildings and equipment in progress	<u>1,605,140</u>	<u>977,719</u>	<u>(1,391,616)</u>	<u>1,191,243</u>
Total, net	<u>\$ 20,862,597</u>	<u>\$ (131,174)</u>	<u>\$ (1,591,050)</u>	<u>\$ 19,140,373</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 2017 and 2016 were:

	<u>2017</u>	<u>2016</u>
Property, equipment, and other	\$ 2,723,488	\$ 579,121

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
 NOTES TO FINANCIAL STATEMENTS
 June 30, 2017 and 2016

NOTE 5 - ASSETS HELD FOR OTHERS

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, 2017 and 2016, these amounts totaled \$8,087,955 and \$7,420,551.

NOTE 6 - LONG TERM DEBT

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

	June 30, <u>2016</u>	<u>Additions</u>	<u>Retirements</u>	June 30, <u>2017</u>	<u>Current Portion</u>
Revenue bonds:					
Series 2006G	\$ 1,415,000	\$ -	\$ (695,000)	\$ 720,000	\$ 720,000
Series 2012E	20,725,000	-	(2,320,000)	18,405,000	2,370,000
Series 2014E	<u>10,285,000</u>	-	<u>(90,000)</u>	<u>10,195,000</u>	<u>845,000</u>
	<u>32,425,000</u>	-	<u>(3,105,000)</u>	<u>29,320,000</u>	<u>3,935,000</u>
Bond premium 2006G	24,955	-	(16,637)	8,318	8,318
Bond premium 2012E	1,463,343	-	(221,796)	1,241,547	221,796
Bond premium 2014E	<u>226,424</u>	-	<u>(23,917)</u>	<u>202,507</u>	<u>23,917</u>
	1,714,722	-	(262,350)	1,452,372	254,031
Bond issuance costs	<u>(405,613)</u>	-	<u>74,349</u>	<u>(331,264)</u>	<u>(74,349)</u>
Total	<u>\$33,734,109</u>	<u>\$ -</u>	<u>\$(3,293,001)</u>	<u>\$30,441,108</u>	<u>\$ 4,114,682</u>

Long-term debt at June 30, 2017, is comprised of the following:

Revenue Bonds	Balance at <u>June 30, 2017</u>	Balance at <u>June 30, 2016</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 & 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, 2017 and 2016 the balance in this reserve fund was \$751,726 and \$751,649, respectively.</p>	\$ 720,000	\$ 1,415,000

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO FINANCIAL STATEMENTS
June 30, 2017 and 2016

NOTE 6 - LONG TERM DEBT (Continued)

\$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 & 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.

\$ 18,405,000 \$ 20,725,000

\$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 & 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.

10,195,000 10,285,000
\$ 29,320,000 \$ 32,425,000

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, 2017 and 2016, the net book value of these facilities was approximately \$34.5 million and \$36.5 million, respectively.

Future revenue bond debt service requirements at June 30, 2017 are as follows:

Year Ending June 30	2006G		2012E		2014E		Total	
	Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest
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>\$ 720,000</u>	<u>\$ 28,800</u>	<u>\$ 18,405,000</u>	<u>\$ 3,086,750</u>	<u>\$ 10,195,000</u>	<u>\$ 1,674,300</u>	<u>\$ 29,320,000</u>	<u>\$ 4,789,850</u>

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
 NOTES TO FINANCIAL STATEMENTS
 June 30, 2017 and 2016

NOTE 6 - LONG TERM DEBT (Continued)

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 \$720,000 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 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, 2017, the Center reported compliance with these covenants as of June 30, 2017.

Interest expense related to all bonds payable for the years ended June 30, 2017 and 2016, was \$869,282 and \$926,019, respectively.

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, 2017 and 2016 was as follows:

	<u>2017</u>	<u>2016</u>
<u>University Activity (Unaudited)</u>		
University Research Expenditures	\$ 4,521,043	\$ 3,598,163
University Indirect Cost	<u>1,128,820</u>	<u>847,453</u>
Total University Activity (Unaudited)	5,649,843	4,445,616
 <u>Center for Research Activity</u>		
Center for Research Expenditures non-ARRA	116,765,733	117,004,902
Center for Research Expenditures ARRA	<u>-</u>	<u>6,767</u>
Total Center Research Expenditures	116,765,733	117,011,669
Center Indirect Cost non-ARRA	<u>23,627,903</u>	<u>23,614,617</u>
 Total Sponsored Activity – University and Center (unaudited)	 <u>\$ 146,043,479</u>	 <u>\$ 145,071,902</u>

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

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
 NOTES TO FINANCIAL STATEMENTS
 June 30, 2017 and 2016

NOTE 8 - NET ASSETS

Temporarily Restricted Net Assets

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

	<u>2017</u>	<u>2016</u>
Dole Institute	\$ 791,401	\$ 434,953
Humanities	<u>247,711</u>	<u>171,946</u>
	<u>\$ 1,039,112</u>	<u>\$ 606,899</u>

Permanently Restricted Net Assets

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

	<u>2017</u>	<u>2016</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>

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>2017</u>	<u>2016</u>
Dole Institute	\$ 246,854	\$ 249,799
Humanities	<u>36,007</u>	<u>42,497</u>
	<u>\$ 282,861</u>	<u>\$ 292,296</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.

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO FINANCIAL STATEMENTS
June 30, 2017 and 2016

NOTE 9 - ENDOWMENTS (Continued)

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

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, 2017 and 2016 were:

	<u>Temporarily Restricted</u>	<u>Permanently Restricted</u>
Endowment net assets, July 1, 2016	\$ 606,899	\$ 5,996,006
Investment income	305,609	-
Unrealized gain on investments	409,465	-
Amounts appropriated for expenditure	(282,861)	-
Endowment net assets, June 30, 2017	<u>\$ 1,039,111</u>	<u>\$ 5,996,006</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	(292,296)	-
Endowment net assets, June 30, 2016	<u>\$ 606,899</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.

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
 NOTES TO FINANCIAL STATEMENTS
 June 30, 2017 and 2016

NOTE 9 - ENDOWMENTS (Continued)

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, 2017 and 2016.

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.

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 30th 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, 2017 and 2016, amounts paid by the University (and reimbursed by the Center) for salaries, benefits, scholarships, fellowships, tuition, and other operating expenses amounted to approximately \$94,571,888 and \$98,576,893, respectively. Of these amounts, approximately \$11,245,859 and \$12,946,983 are included in accounts payable and accrued expenses at June 30, 2017 and 2016, 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, 2017 and 2016:

	<u>2017</u>	<u>2016</u>
Salaries and benefits	\$ 1,868,579	\$ 1,786,988
Start-up	2,000,000	2,000,000
Other Investments	536,031	1,497,505
Utilities	62,695	66,028
Information technology services	66,258	66,258
Maintenance	165,424	58,432
Custodial	<u>26,875</u>	<u>22,452</u>
	<u>\$ 4,725,862</u>	<u>\$ 5,497,663</u>

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO FINANCIAL STATEMENTS
June 30, 2017 and 2016

NOTE 10 - RELATED PARTY TRANSACTIONS (Continued)

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 0.45% and 0.68% of eligible payroll as of June 30, 2017 and 2016, respectively.

The Center provided support to KU Endowment for departmental benefit in funding research, graduate studies, distinguished professorships, scholarships and fellowships. Support of \$2,046,900 and \$2,202,175 was provided to KU Endowment during the fiscal years 2017 and 2016 and is included in other program services on the statement of activities.

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 \$1,201,375 and \$1,173,375 was provided to KUCTC during each of the fiscal years 2017 and 2016, respectively.

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, 2017 were:

2018	\$ 387,404
2019	341,428
2020	336,604
Thereafter	<u>1,572,869</u>
	<u>\$ 2,638,305</u>

Rent expense for all operating leases was \$1,163,683 and \$705,888 for the years ended June 30, 2017 and 2016, 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 \$258,682 and \$115,368 for 2017 and 2016, 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, 2017. The Center is subject to ongoing reviews from granting agencies. Additionally, an external review conducted at the request of the University of a particular School in regards to overstatement of prior years' cost share allocations was ongoing as of June 30, 2017. Amounts for repayment to awarding agencies, if any, cannot be reasonably estimated and are thus not recorded as a liability in the statement of financial position.

SUPPLEMENTARY INFORMATION

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2017

<u>Federal Grantor/Program Title</u>	<u>CFDA Number</u>	<u>Identifying Number</u>	<u>Amount</u>
RESEARCH AND DEVELOPMENT CLUSTER			
<u>Corporation for National and Community Service</u>			
<u>Pass through KS State Board of Education</u>			
Kansas STEM Mentoring Initiative	94.021	652-16-1886	\$ 18,170
<u>U.S. Department of Education</u>			
<u>Direct Award</u>			
Funds for the Improvement of Postsecondary Education	84.116	P116Z990008	5,000,000
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	(44,304)
Access to Success: Replication and Impact of a Training Program Supporting Post-Secondary Students in Requesting Disability Accommodations	84.133	H133G140213	(11,004)
Development and Validation of Online Adaptive Reading Motivation Measures	84.305	R305A110148-14	(76)
Improving Paraprofessionals Instructional and Behavioral Support In Urban Elementary School Settings: A Research Practitioner Partnership	84.305	R305H140048	157,283
Implementing Comprehensive, Integrated, Three-tiered Models to Meet Students' Academic, Behavior, and Social Needs: A Researcher-Practitioner Partnership	84.305	R305H150018-16	202,970
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	433,435
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	680,795
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	314,209
Middle School Class-wide Function-related Intervention Teams (MS CW-FIT): Improving Academic Engagement and Outcomes for Middle School Students	84.324	R324A160279	265,592
Validation of Cognitive Problem-Solving and Movement Infant-Toddler IGDIs for Screening and General Outcome Progress Monitoring	84.324	R324A150166-17	283,513
Measuring Early Communication Development in Children with ASD	84.324	R324A160072	311,732
Promoting Positive Transition Outcomes for Secondary Students with Intellectual Disability: A Research Institution-SEA Partnership in Rhode Island	84.324	R324L160002	54,418
KU ACCESS: Leadership in Access, College, Career, and Extensive and Significant Supports for Secondary Students with Severe Disabilities	84.325	H325D140031-17	261,791
Preparation of Special Education, Early Intervention, and Related Services Leadership Personnel	84.325	H325D160080-17	132,059
Strengthening Outcomes for All learners in Inclusive Settings (SOARS)	84.325	H325K160141-17	105,579
The Schoolwide Integrated Framework For Transformation Center (SWIFT)	84.326	H326Y120005-16	5,668,724
Phase 2: Effectiveness of Mobile EBASS-Classroom	84.327	H327A110052 - 13	(4,670)
Stepping Up: Sustainable Implementation of Innovations for Student Achievement (SISA)	84.327	H327S120019 - 16	328,694
Making It Happen: Stepping Up Implementation of IGD Technology to Improve Data-based Decision Making for Infants and Toddlers with or at-risk for Disabilities	84.327	H327S140024 - 17	310,495
KU Transition to Postsecondary Education for Youth with ID	84.407	P407A150017-16	245,489
<u>Pass through Belton School District USD 124</u>			
Evaluation of the TEAM science teacher professional development program	84.366	19505	14,869
<u>Pass through Indiana University</u>			
Joint Attention Mediated Learning Intervention for Toddlers with Autism Spectrum Disorders and their Families	84.324	BL-4240321-UK	64,883
<u>Pass through Kenai Peninsula Borough School District</u>			
Using Assessments to Improve Teaching and Learning in the Kenai Peninsula Borough School District	84.367	260-92-4100-2040-410	4,674
<u>Pass through KS Dept of Education</u>			
Scaling-Up KSDE TASN Evaluation Proposal	84.027	652-15-1860	370,291
Kansas SPDG Evaluation 2012-17	84.323	652-13-1784	(101)
Kansas SPDG Evaluation 2012-17	84.323	652-14-1839	(238)
Kansas SPDG Evaluation 2012-17	84.323	652-16-1882	40,154
Kansas SPDG Evaluation 2012-17	84.323	652-17-1909	80,399
Use of Learning Maps as an Organizing Structure for Formative Assessment	84.368	652-16-1887	1,680,168

See accompanying notes to schedule.

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<u>Federal Grantor/Program Title</u>	<u>CFDA Number</u>	<u>Identifying Number</u>	<u>Amount</u>
<u>Pass through KS State Board of Education</u>			
Technical Assistance for Kansas 21st Century Community Learning Centers	84.287	652-15-1855	\$ 37,624
<u>Pass through Maryland State Department of Education</u>			
Innovations in Science Map, Assessment, and Report Technologies (I-SMART)	84.368	171414	2,592
<u>Pass through MO Dept of Elementary & Secondary Ed</u>			
Secondary/Transition Communities of Practice	84.027	Agreement	11,598
Missouri Post-Secondary Success Project	84.027	Agreement	22,135
Secondary/Transition Communities of Practice	84.027	Agreement	77,870
<u>Pass through Ohio State University</u>			
Language Bases of Skilled Reading Comprehension	84.305	60023887	5,645
<u>Pass through San Francisco State University</u>			
Implementing an Emergent Literacy Curriculum for Students with Intellectual Disabilities in General Education Classrooms	84.324	S15-0002	355,786
<u>Pass through SRI International</u>			
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	91,921
<u>Pass through University of Florida</u>			
The Center to Support the Development of Effective Educators to Serve Students with Disabilities	84.325	UFDSP00010564	210,444
<u>Pass through University of Oregon</u>			
National Technical Assistance Center on Positive Behavioral Interventions and Supports IV	84.326	224440C	50,854
<u>Pass through University of Texas-Austin</u>			
Center for Postsecondary Outcomes for Deaf Individuals	84.326	UTA16-001045	4,806
<u>Pass through University of Utah</u>			
Project ASPIRE: Achieving Success in Promoting Readiness for Education and Employment	84.418	10033712	44,841
<u>Pass through US 500, Kansas City</u>			
Project STArts: Skillful Thinking in the Arts	84.351	Agreement	13,378
<u>U.S. Department of Homeland Security</u>			
<u>Direct Award</u>			
Education Training with Fire Fighters and the Deaf Community	97.044	EMW-2014-FP-00096	102,507
<u>Pass through KS Dept of Agriculture</u>			
Kansas Base Flood Elevation Portal and Mapping Application	97.000	19013	47,615
<u>U.S. Department of Commerce</u>			
<u>Direct Award</u>			
Collaborative Research: Representing Calving and Iceberg Dynamics in Global Climate	11.431	NA13OAR4310099	33,049
Center for Risk-Based Community Resilience Planning	11.619	G-00745-10	14,179
<u>U.S. Department of Defense</u>			
<u>Direct Award</u>			
Advanced Radar Waveforms for Navy Platforms	12.000	N00014-16-C-2029	362,765
SAR Signal Processing	12.000	N00173-16-P-0582	16,845
Advancing Full Wavefield Seismic Imaging for Analysis, Sensor Concept Development, Analytical and Field Test Evaluations	12.000	W913E5-15-C-0011	73,992
Advancement in Full Wavefield Seismic Imaging: Modification to Active Seismic Imaging (ASI) System - Mission Upgrade	12.000	W912HZ-16-C-0018-P00	661,823
Archaeological Curation Agreement with Tulsa District COE	12.000	W912BV-16-P-0087	1,491
Graduate Research Assistant Support Services RFQ (HQ0034-16-T-0166)	12.000	HQ0034-16-P-0203	34,195
Architectures for Elaborate Goal Reasoning	12.000	N00173-17-P-0837	23,194
Common-cavity femtosecond dual-frequency comb laser based on all PM fibers	12.000	2017-17030700017	2,433
Cooperative Agreement	12.114	W912DQ-14-2-0005	3,112
Improving mesoscale prediction of shallow convection and cloud regime transitions in NRL COAMPS	12.300	N00014-11-1-0518	125,626

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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	\$ (15,117)
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	310,410
Cooperative Routing for Dynamic Aerial Layer Networks	12.300	FA8750-14-1-0077	73,039
Trafficking/Terrorism Nexus in Eurasia	12.300	N00014-15-1-2788	271,899
Analog Integrated Circuit Design for Spike-Time-Dependent Encoder and Reservoir in Reservoir Computing Processors	12.300	FA8750-16-2-0120	170,545
Noninvasively relieving joint contracture by using ultrasound-assisted laser technique to remove scar tissues in the knee joint	12.420	W81XWH-15-1-0524	159,815
The Role of APC in Goblet Cell Function and the Unfolded Protein Response	12.420	W81XWH-16-1-0115	86,219
Blocking breast cancer metastasis by targeting RNA-binding protein HuR	12.420	W81XWH-16-1-0729	128,762
Intensive Cardiorespiratory Exercise (ICE) to Remediate Mild Traumatic Brain Injury in Active Duty Service Members	12.420	W81XWH-16-1-0519	126,570
The Human Geography of Resilience and Change: Land Rights and Political Stability in Latin American Indigenous Societies	12.431	W911NF-13-1-0281	328,788
Fundamental Physics of Carbon-based Nanostructures for Infrared and Ultraviolet Detection	12.431	W911NF-12-1-0412	(1,036)
Stochastic Evolution Equations Driven by Fractional Noises	12.431	W911NF-13-1-0306	42,022
Studies in the Control of Stochastic Systems	12.431	W911NF-14-1-0390	154,252
A High-Order CPR Method on Overset Adaptive Cartesian and Prismatic Meshes for Rotorcraft Flow Simulations	12.431	W911NF-15-1-0505	112,201
Electrochemistry: Development of a "Macro" SI-SCEM Protocol to Investigate Reaction Intermediates for the HER and OER, and its Use for Designing Earth-Abundant Electrocatalysts	12.431	W911NF-17-1-0098	7,196
3D Sound propagation HPC simulation with impedance and vegetation models.	12.431	W911NF-14-2-0077	52,353
High Performance Computing and Visualization Infrastructure for Simultaneous Parallel Computing and Parallel Visualization Research	12.431	W911NF-15-1-0377	1,327
Fundamental Physics of Carbon-based Nanohybrids for High-performance Infrared and Ultraviolet Detection	12.431	W911NF-16-1-0029	123,684
Cognitive Radar to Address Spectral Congestion	12.431	W911NF-15-2-0063	118,656
Helicopter collision-avoidance radar	12.431	W911NF-16-2-0222	11,265
A New Mathematical and Computational Framework for BVPs and IVPs in Solids, Fluids, Gases and their Interactions	12.431	W911NF-11-1-0471	(1,315)
Advancing Full Wavefield Seismic Imaging for Analysis, Sensor Concept Development, Analytical and Field Test Evaluations	12.630	W913E5-15-2-0001	237,760
Neuron Design in Neuromorphic Computing Systems and its Application in Wireless Communications	12.800	FA8750-15-1-0052	39,553
Towards Extreme-Scale Computing with High-Order Discontinuous Methods	12.800	FA9550-16-1-0128	35,377
Studies in Stochastic Control and Differential Games	12.800	FA9550-17-1-0073	68,986
Time-varying metamaterials: dynamic transformation optics and parametric phenomena	12.800	FA9550-16-1-0152 Mod	118,069
Problems in commutative algebra, with applications	12.901	H98230-16-1-0012	26,203
<u>Pass through Adaptive Methods</u>			
Advanced Sonar Signal Processing	12.000	3112-SC002	9,339
<u>Pass through Advanced Technology International</u>			
Coded APSK for Improved Spectral Efficiency in Aeronautical Mobile Telemetry	12.000	2017-319	244,623
<u>Pass through Adventium Labs</u>			
Toolkit for Evolving Ecosystem Envelopes: Dynamic Measurement	12.910	1056-001-001-007	56,032
<u>Pass through Allion Science & Technology</u>			
Cloud Radio Access Networks (Cloud-RAN): Caching, Scheduling and MIMO Beamforming	12.000	SUB1129092	52,982
<u>Pass through Arcadis U.S., Inc.</u>			
Demonstration and Validation of the Horizontal Reactive Media Treatment (HRX) Well for Managing Contaminant Plumes in Complex Geological Environments	12.000	D16-073	57,208
<u>Pass through DesignZyme</u>			
LOX-Pt Nanoparticle Stabilization for Multi-Analyte BioMICS	12.000	19066	74,572
<u>Pass through Indiana University</u>			
Soil Microbial Communities: Critical roles in Control of Non-Native Invasive Species and restoration of Ecosystem Functions	12.000	BL-4324205-KU	194,999

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<u>Pass through Matrix Research, Inc.</u>			
Master Agreement	12.000	S014-012	\$ 166,616
<u>Pass through Ohio State University</u>			
Arylimidamide-Azole Combinations against Leishmaniasis	12.420	60042198	80,420
<u>Pass through Quasonix, LLC</u>			
Dual S & C-Band Telemetry Transmitter System	12.000	15784	56,050
<u>Pass through Quasonix, LLC</u>			
Miniaturized, Power Efficient C-band Telemetry	12.000	16760	71,927
<u>Pass through SOLUTION IES, INC.</u>			
Estimating Mobile-Immobile Mass Transfer Parameters using Direct Push Tools	12.000	2015.0031.ARMY	25,519
<u>Pass through Univ of Maryland-College Park</u>			
The Role of Phenology and Phenology Change in the Transmission of Arthropod-Borne Diseases Implications for Management on Military Lands	12.000	42698-Z8442101	10,336
<u>Pass through USD 207 - Fort Leavenworth</u>			
Cyber T.E.A.M.S.	12.556	Agreemenr	29,932
<u>U.S. Department of Energy</u>			
<u>Direct Award</u>			
Collaborative Research: Cloudiness Transitions within Shallow Marine Clouds Near the Azores	81.049	DE-SC0006736	34,634
Hunt for New Physics at the Large Hadron Collider	81.049	DE-SC0007863	72,630
Targeting DOE-Relevant Ions with Supramolecular Strategies	81.049	DE-SC0010555	29,857
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	204,599
Mechanistic Studies to Enable Aerobic Oxidation of C-H Bonds by Manganese Catalysts	81.049	DE-SC0016359	120,423
Scrutinizing entrainment and mass flux closures in shallow cumulus parameterizations using cloud-radar observations and large-eddy simulation	81.049	DE-SC0016522	26,005
Study of quasi-collisional effects in laboratory and astrophysical plasmas	81.049	DE-SC0016368	129,113
Searches for New Phenomena Beyond the Standard Model	81.049		16,699
Atomic and Molecular Physics in Strong Fields	81.049	DE-FG02-04ER15504	126,372
Research in Heavy-Ion Nuclear Physics at CMS	81.049	DE-FG02-96ER40981	508,956
Understanding Nanoscale Confinement Effects in Solvent-Driven Chemical Reactions	81.049	DE-FG02-05ER15708	58,450
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	1,727,390
Integrated CCS for Kansas (ICKan)	81.089	DE-FE0029474	104,795
Development of Fluorescence Measurements for IAEA Swipes	81.113	4000147314	60,000
A New IT-SOFC Based on a Dual-Phase (H+ & O2-) Electrolyte Tailored for Efficient Utilization of Hydrocarbon Fuels	81.135	RF183-G1	89,815
Integrated Mesoscale Architectures for Sustainable Catalysis	81.049	130298-5091731	17,578
Nano-hybrid radiation detector	81.000	N000162883	38,655
Professional Engineering Services	81.000	N000160733	209
Miniaturization and Repacking of Microwave Comp. for Ultra-Wideband Radar	81.000	N000183939	176,267
2-18 GHz Broadband Receiver	81.000		109,921
TPM/Secure Boot Investigation	81.000	N000217880	39,173
Nano-hybrid radiation detector	81.000	N000217625	52,109
Connecting Travelers to Reduce Energy Use in Transportation	81.135	716001-002	10,634
Expression of Polyketide Synthases in Aspergillus nidulans	81.000	274485	75,178
Field Demonstration of Chemical Flooding of the Trembley Oilfield, Reno County, Kansas	81.089	11123-28	251,568
Konza Prairie Subcontract	81.000	7114774	117,097

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<u>U.S. Department of Interior</u>			
<u>Direct Award</u>			
Curation for the United State Army Corp of Engineers	15.000	W912DQ-14-P-1037	\$ 18,276
Long Term Property Curation w ith the University of Kansas	15.000	R16PX00199	1,144
Bureau of Indian Affairs Archeological Collections and Association Documentation Curated at the University of Kansas Natural History Museum Identifying, Cataloging, Photographing, and Rehousing BIA Collections	15.000	A16PX01207	65,037
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	73,009
Silver Carp survival Relative to Predator-Prey Interactions and Habitat Associations in Artificial Ponds	15.808	G16AC00098	34,884
Geologic Mapping in Kansas for FY15	15.810	G15AC00225	19,237
Geologic Mapping in Kansas for FY16	15.810	G16AC00195	150,177
Kansas Oil, Gas, and Water Well Geologic Data, Records, and Samples Preservation FY2015	15.814	G15AP00120	20,032
Kansas Oil, Gas, and Water Well Geologic Data, Records, and Samples Preservation and Inventory of Aerial Photographs, FY2016	15.814	G16AP00152	45,958
Experimental Geothermal Mapping Utilizing Drill-Stem Test Data	15.819	G15AC00286	7,002
National Ground-Water Monitoring Network	15.980	G16AC00017	22,015
<u>Pass through AmericaView Inc.</u>			
Monitoring Phenology in the North Central Region of the U.S.	15.808	AVCSC13-KS01	8
State View Program Development and Operations for the State of Kansas	15.808	AV13-KS01	15,709
State View Program Development and Operations for the State of Kansas - GY15	15.815	AV13-KS01	1,257
<u>Pass through KS Dept of Health & Environmt</u>			
Floristic Quality Assessment of Sites in Southeast Kansas	15.658		1
Floristic Quality Assessment of Sites in Southeast Kansas	15.658	Agreement	82,748
<u>Pass through KS Dept of Wildlife Parks & Tourism</u>			
Geographic Information System (GIS) & Remote Sensing Support Services	15.611	Agreement	128,636
Recovery plan for the redbelly and smooth earth snakes	15.634		(845)
<u>Pass through KS Water Resources Institute</u>			
Assessing the impact of constructed wetlands on nitrogen transformation and release from tile outlet terraces (TOTs) in Kansas	15.805	S16145	14,560
Contaminant barriers or pathways? Hydraulic and Chemical Methods to Improve Characterization of Shallow Aquifers	15.805	S16150	5,674
Examining sedimentation and water quality of small impoundments: Sediment capturing opportunity upstream of federal reservoirs	15.805	S16147.01	5,483
<u>U.S. Department of Justice</u>			
<u>Direct Award</u>			
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	(5,723)
<u>Pass through Kansas Governor's Office</u>			
Stimulus: S.T.O.P. Violence Against Women Act	16.588	RA-VAWA-04	1,490
<u>Pass through Douglas County Sheriff's Office</u>			
AID Evaluation	16.745	18164	15,274
<u>U.S. Department of Labor</u>			
<u>Direct Award</u>			
Examination of Educational and Wage Outcomes for Students Participating in Workforce Trainings as Compared to Peers	17.261	Agreement	25,630
The Demand for Community College Credits and Labor Market Outcomes	17.261	Agreement	15,039
<u>Environmental Protection Agency</u>			
<u>Direct Award</u>			
Harvesting the Otherwise Wasted Heat of LED Lights in Green Buildings	66.516	83613401	61
<u>Pass through KS Water Office</u>			
Pre- and Post-bank stabilization monitoring on the Cottonwood River - a fish survey	66.458	14-111	446
<u>Pass through Missouri Department of Natural Resources</u>			
Development of Missouri Reference Wetlands	66.461	G14-WET-01	78,626
<u>Pass through Water Research Foundation</u>			
Evaluation of Lead Service Line Lining and Coating Technologies	66.509	04351	(17,995)

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<u>U.S. Department of Health and Human Services</u>			
<u>Direct Award</u>			
Adjuvants Discovery Program	93.000	HHSN272201400056C	\$ 2,366,315
Kansas Serves Substance Affected Families	93.087	90CU0077-03-02	691,455
Development of an Integrated Mathematical Model for Comparative Characterization of Complex Molecule	93.103	5U01FD005285-03 REV	198,711
A Mobile Web-Based Parenting Intervention to Strengthen Social-Emotional Development of Very Low Birth Weight Infants	93.110	6R40MC26822-03-03	229,239
Bridging the Word Gap-Intervention Research Network	93.110	6 UA6MC27762-02-02	86,499
Bridging the Word Gap Research Network	93.110	6 UA6MC27762-03-02	127,655
TALK Around Town: A Mobile Application to Help Parents Bridge the Word Gap in Community Settings	93.110	Agreement	16,392
Integrative colloidal gels for cranial defect repair	93.121	5R01DE022472-04	68,605
Proton Sponge Adhesives, Interfacial Milieu: Molecular Structure-Mechanics	93.121	5R01DE022054-05 REV	176,091
Peptide-Polymer Engineering Dentin/Adhesive Interfacial Bond Integrity	93.121	5R01DE025476-02	390,943
Exploring the Causal Impacts of Economic and Social Safety Net Policies on Child Neglect in the U.S.: Implications for Primary Prevention	93.136	1R01CE002814-01	111,265
Twins and Singletons with Specific Language Impairments	93.173	4R01DC005226-15	472,258
Interactive book reading to accelerate word learning by children with SLI	93.173	5R01DC012824-05	330,709
Peer-Mediated AAC Intervention for Children with Autism: Effects on Communication	93.173	4R01DC012530-04	312,566
Biobehavioral Sciences of Communication Disorders	93.173	4P30DC005803-15 REV	307,508
Investigating output modality for a brain-computer interface for communication	93.173	5R03DC011304-03	2,126
Morphosyntactic Abilities of SLI Probands	93.173	5R01DC001803-22	572,683
Deciphering gene-environment interactions in pathological reactive aggression	93.242	5R01MH104603-02	82,822
Trauma exposure, emotion regulation and cognitive skills in early childhood: Prospective and longitudinal examination of the mechanisms of adjustment	93.242	5R01MH079252-07	579,680
Behavioral Health Scholars Program	93.243	6 G02HP27982-03-01	410,771
Investigation of neoclerodanes as Novel Opioid Ligands	93.279	5R01DA018151-10	403
Investigation of Neoclerodanes as Novel Opioid Ligands	93.279	5R01DA018151-12 REV	275,260
Evaluation of Physicochemical Properties Imparted by Fluorinated Peptidomim	93.279	4R33DA036730-03	197,749
Biotechnology Resource Center of Biomodular Multi scale Systems CBM2 for Precision Molecular Diagnostics	93.286	P41EB020594-03	288,532
Integrated Digital Microfluidic Platforms for Next-Generation Glycomics	93.310	1R21CA207816-01	134,516
Comprehensive analysis of human adaptive immune receptors to elucidate correlates of Epstein-Barr virus disease suppression	93.310	1DP5OD023118-01	33,793
University of Kansas Specialized Chemistry Center	93.310	5U54HG005031-06	(982)
A resource for the Genetic Analysis of Complex Traits	93.351	5R01OD010974-08	590,391
Cognitive and Emotional Processes of Metaphorical Cancer Communications	93.393	5R01CA 185378-04	325,157
Integrated Microfluidic Exosome Profiling for Early Detection of Cancer	93.394	5R21CA 186846-03	219,635
Integrated exosomes profiling for minimally invasive diagnosis and monitoring of cancer	93.394	R33CA214333-01	13,634
Acute Myeloid Leukemia: MRD Analysis Using Modular uFluidics and uFlow Cytometry	93.394	7R21CA173279-04 REV	120,642
Hsp90 Inhibitors	93.395	5U01CA 109265-09	2,918
Development of Hsp90 inhibitors for the treatment of cancer	93.395	4R01CA 167079-05	178,847
Biomaterials for treatment of head and neck cancer	93.395	5R01CA 173292-05	388,501
Small molecules modulating RNA-binding protein Msi1	93.395	5R01CA 178831-03 REV	313,873
Molecular cancer therapy targeting HuR-ARE interaction	93.395	5R01CA 191785-03	421,794
Development and Evaluation of Purine and Coumarin Based Hsp90 Inhibitors	93.395	5R01CA 120458-12S1	477,353
Synthetic Lethal Targeting of Growth Factor Receptors	93.395	1R01CA211720-01	125,961
The Development of Organelle Specific Hsp90 Isoform-Selective Inhibitors	93.398	1F99CA212467-01	22,158
Access to Success: Replication and Impact of a Training Program Supporting Post-Secondary Students in Requesting Disability Accommodations	93.433	90IF0082-03-00	201,292
Rehabilitation Research and Training Center on Community Living	93.433	90RT5015-02-01	718,745
Assessing Family Employment Awareness Training (FEAT)	93.433	90IF0058-02-02	95,064
I-CONNECT PLUS: Enhancing Community Participation for Adolescents and Adults with ASD using Online Instruction, Coaching, and Accessible Self-Management Technologies	93.433	90DP0058-03-00	490,060
Research and Training Center on Community Living	93.433	90RT5043-01-00	159,237
Project Engage: Building Parents' Capacity to Improve Child Language Outcomes	93.615	6 R62MC24946-03-03	40,156

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Kansas Intensive Permanency Project (KIPP)	93.648	90CT0152-05-00	\$ 725,340
A Randomized Trial of Recommendations for Exercise to Prevent Weight Regain	93.837	4R01HL111842-05	532,760
Peptide Enabled Self Assembled Reconfigurable Implant Coatings	93.846	R21AR062249-03	8,145
Chaperones in Diabetic Peripheral Neuropathy	93.847	4R01DK095911-04	255,886
Weight management in rural health clinics	93.847	1R01DK108732	317,878
Modulating the BBB to Improve Drug Delivery to the Brain	93.853	5R01NS075374-04	118,090
Chaperone Therapeutics for the Treatment of DPN	93.853	2R01NS075311-05	201,308
Microdialysis Studies of Seizure-Induced Oxidative Stress	93.853	5R01NS066466-06 REV	108,967
Role of LRG-47 (Irgm1) in EAE	93.853	5R01NS065482-05	16,954
HTS to identify small molecules to disrupt abnormal huntingtin interactions in HD	93.853	5R01NS088059-03 REV	473,885
RAGE and mitochondrial degeneration in diabetes	93.853	R01NS089116-03	362,554
Elucidating the Role of Neuroactive Steroids in Tourette Syndrome	93.853	F31NS093939-02	29,807
Regulation of growth cone protrusion in Netrin-mediated axon repulsion	93.853	1R56NS095682-01A 1	118,210
Regulation of Virulence Gene Expression in Chlamydia	93.855	5R01A1079083-05	22,600
Characterization of PTMs on Env to support HIV vaccine development	93.855	5R01A1094797-04	243,760
Biomechanical and Computational Molecular Design of Microbicide Delivery Systems	93.855	5R33A1082697-05	9,606
NMR studies of bacterial needle and tip proteins	93.855	5R01A1074856-09	431,825
The Regulation of Autolysis in Enterococcus Faecalis	93.855	5R01A1077782-06	173,934
Stable needleless vaccine against Shigella spp	93.855	1R21A1105467-02	37,966
The role of peptide signaling in Enterococcus faecalis biofilm development	93.855	1R21A1117424-01A 1	27,977
The multiple states of IpaB Shigella type III secretion	93.855	5R01A1099489-06	331,040
Assessment of serotype-independent immunity elicited by Shigella T3SS protein	93.855	5R01A1113307-03	384,790
Assembly/function of the sorting platform of the Shigella type III secretion apparatus	93.855	1R01A1123351-02	467,624
Chemical tools for perturbing iron homeostasis in P. aeruginosa	93.855	5R01A1125529-02	225,615
Generating Native Env Glycosylation in HIV Vaccine Candidates	93.855	5R01A1125093-02	470,374
Transposon mutagenesis for Chlamydia trachomatis	93.855	R21A1125929-02	143,219
Viral and host responses to HSV infection	93.855	5R01A1072357-04Rev	(5,222)
Genome packaging of DNA viruses	93.859	5R01GM090010-05	(10,295)
Mechanisms and Energetics of Transmembrane-induced Signaling of Cytokine Receptors	93.859	5R01GM092950-05	19,171
A Genomic Analysis of Sexual Trait Various Within and Between Species	93.859	5R01GM085260-04	5,782
Identifying inhibitors of protein interactions using pocket optimization	93.859	4R01GM099959-05 REV	61,163
Molecular Analysis of Disease Pathways	93.859	P20GM103638-05 REV	1,959,708
University of Kansas/Haskell Indian Nations University IRACDA Project	93.859	4K12GM063651-15	447,485
Human Cytochrome P450 4F Enzymes and Drug Interactions	93.859	5R01GM089994-06	(6)
Structure and Function of Cytochrome P450 17A1	93.859	5R01GM102505-04	32,621
Integrated Resource for Protein Recognition Studies	93.859	5R01GM074255-12	210,944
Development of a rapid glycosylation profiling system using mass spectrometry data	93.859	5R01GM103547-08	232,187
Protein Structure and Function	93.859	5P30GM110761-03 REV	1,124,408
Legacy continuation of the KU CMLD Mission	93.859	5R24GM111385-03	449,992
Chemical Biology for Infectious Disease	93.859	P20GM113117-02	1,788,010
Mentoring Workshop for New Faculty in Organic and Biological Chemistry	93.859	5U13GM070824-13	37,267
Regulation of kinetochore function by Topoisomerase II	93.859	5R01GM112793-03 REV	261,227
Crystallographic and NMR studies of the Human Cytochrome P450 enzyme responsible for inactivating vitamin D	93.859	5K99GM112862-02	10,216
Understanding the roles of PTMs in modulating molecular functions of lysyl oxidase-like 2 in breast cancer cells	93.859	5R01GM113101-03	390,021
Structural Basis of Cytochrome P450 Activity	93.859	5R37GM076343-11 REV	51,761
KU Post Baccalaureate Research Education Program (PREP)	93.859	5R25GM078441-11 REV	341,374
Antimicrobial peptides as models for the evolution of gene duplication	93.859	4R00GM114714-02	119,841
Training Grant in Dynamic Aspects of Chemical Biology	93.859	5 T32 GM008545-15	(3,997)
A Genomic Analysis of Complex Trait Variation in Mimulus	93.859	5R01GM073990-08 REV	145,363
Methods for Bioactive Compound Synthesis	93.859	4R01GM077309-08	221,630
Kansas Intellectual and Developmental Disabilities Research Center (KIDDRC)	93.865	5P30HD002528-49REV	275,074
Demographic and Educational Effects on Long-Term Earnings	93.865	5R03HD073464-02	23,191
Molecular determinants of retinoid metabolism in embryonic tissues	93.865	5R01HD077260-04	295,346
The CCS: A Treatment Outcome Measure for Individuals with Severe ID	93.865	5R01HD076903-05	355,272
The effects of parenting on the development and behavior of FXS adolescents	93.865	5R01HD084563-02	473,662

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Behavioural and institutional barriers to HIV prevention among migrant women	93.865	7R21HD078201-03	\$ 105,578
Label-free quantitative proteomic methods for developmental pharmacology	93.865	1R03HD089006-01	62,843
Kansas Intellectual and Developmental Disabilities Research Center	93.865	1U54HD090216-01 REV	341,371
Mitochondrial degrading enzyme, synaptic mitochondrial function in AD mouse model	93.866	5R01AG044793-04	390,688
Race/Ethnic and Sex Differences in Health Behavior Patterns in the United States	93.866	7R03AG033331-03	(198)
Role of cyclophilin D in Abeta-induced synaptic injury	93.866	5R37AG037319-07	340,010
TOMM40-mediated mitochondrial dysfunction and Alzheimer's disease	93.866	1R56AG053041-01A1	90,765
<u>Pass through Arizona State University</u>			
Family Migration and Early Life Outcomes	93.865	16-849	2,515
<u>Pass through Assn of University Centers on Disabilities</u>			
Act Early Ambassador Application	93.424	Agreement	2,947
<u>Pass through Battelle Memorial Institute</u>			
Studying Community Programs to Reduce Childhood Obesity	93.000	236802	75,467
<u>Pass through BioFluidica</u>			
Integrated Systems for the Analysis of Circulating Multiple Myeloma Cells (CMMCs)	93.394	19398	87,435
<u>Pass through Boston University</u>			
Modification of cardiovascular proteins by metabolic disease	93.000	4500001386	(14,223)
<u>Pass through Brigham & Women's Hospital Research Admi</u>			
Biochemical and in vivo determinants of tau neurotoxicity	93.853	108506	26,119
<u>Pass through Chapel Hill Training Outreach Project Inc</u>			
National Center for Community-Based Child Abuse Prevention	93.590	Agreement	43,253
National Center for Community-Based Child Abuse Prevention	93.590	Agreement	46,274
<u>Pass through Children's Mercy Hospitals & Clinics</u>			
Adapting the Diabetes Prevention Program for a developing world context	93.837	16-0004	15,122
<u>Pass through Community Health Council of Wyandotte Co</u>			
Centers for Disease Control and Prevention 1422 Implementation Plan	93.757	Agreement	12,181
Connecting the Dotted: Finding and Building Intersections Between Access to Healthy Food & Walkable Neighborhoods	93.757	Agreement	17,954
<u>Pass through Douglas Co Health Dept.</u>			
PICH Evaluation	93.331	Agreement	13,258
<u>Pass through Evoke Medical</u>			
Development of an Osteoinductive Spinal Fusion Implant for Enhanced Fusion Rates	93.846	18909	66,860
<u>Pass through Futures Without Violence</u>			
Quality Improvement Center on Child Welfare Involved Children and Families Experiencing Domestic Violence	93.670	2191	140,416
<u>Pass through Health Research, Inc</u>			
B cell epitope discovery and mechanisms of antibody protection	93.000	4889-02	140,568
B cell epitope discovery and mechanisms of antibody protection	93.000	4889-03	205,939
<u>Pass through Indiana University -Purdue University, Indianapolis</u>			
BREATHE-OUT Burnout Reduction: Enhanced Awareness, Tools, Handouts, and Education-Organizational Understanding and Training	93.242	Agreement	8,192
<u>Pass through Iowa Department of Human Services</u>			
Iowa Judicial Branch Regional Partnership Grant	93.087	14758	(10,010)
<u>Pass through Iowa State University</u>			
Targeting Plasmodium apicoplast DNA replication for the treatment and prevention of malaria	93.855	430-46-04A	11,087
<u>Pass through Kansas Children's Cabinet and Trust Fund</u>			
Community-Based Grants for the Prevention of Child Abuse and Neglect (CBCAP) 2016	93.590	CBCAP-2017/2018-C	37,654
<u>Pass through Kansas State University</u>			
High-throughput assays for inhibitors of the Hsp100 molecular chaperones	93.855	S17042	15,380
High-throughput Fluorescence Screening for Inhibitors of TonB-dependent Iron Transport	93.855	S16014	6,498
<u>Pass through Kennedy Krieger Institute</u>			
Translational Analyses of Chronic Aberrant Behavior Across the Life Span - Project 1	93.865	615.271E	1,248
Translational Analyses of Chronic Aberrant Behavior Across the Life Span - Project 3	93.865	915.271E	69
<u>Pass through KS Children's Cabinet and Trust Fund</u>			
Community-Based Grants for the Prevention of Child Abuse and Neglect (CBCAP) 2016	93.590	40022	69,926
<u>Pass through KS Dept for Aging and Disability Service</u>			
Supported Employment Program	93.243	Agreement	96,056

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Transforming Lives through Supported Employment	93.243	Agreement	\$ 7,770
Title XIX-Adult Mental Health	93.778	Agreement	97,284
Title XIX - Children's Mental Health FY 2016	93.778	Agreement	65,210
Kansas Institute for Positive Behavior Supports	93.789	KDHE2014-059	(93)
<u>Pass through KS Dept for Children and Families</u>			
Title XIX-Adult Mental Health	93.778		3,304
<u>Pass through KS Dept of Health & Environment</u>			
Kansas Early Childhood Comprehensive Systems (KECCS) Year 3	93.110	Agreement	29,581
Kansas MIECHV Competitive Evaluation	93.505	Agreement	401,766
Kansas MIECHV Formula Fund Performance Management + CQI Analysis and Report Development	93.505	Agreement	34,892
Kansas Maternal, Infant and Early Childhood Home Visiting Program	93.505	Agreement	(4,611)
Kansas MIECHV Program	93.505	Agreement	161,744
Kansas Maternal, Infant and Early Childhood Home Visiting Program	93.505	Agreement	7,101
MIECHV Innovation 2016-2018	93.870	51606	61,656
Healthy Start Initiative: Eliminating Disparities in Perinatal Health	93.926	Agreement	
Healthy Start Initiative: Eliminating Disparities in Perinatal Health	93.926	Agreement	
Healthy Start Initiative: Eliminating Disparities in Perinatal Health	93.926	Agreement	81,099
Healthy Start Initiative: Eliminating Disparities in Perinatal Health	93.926	PO53720	13,620
<u>Pass through KS State University, SPA</u>			
Norovirus 3CL Protease-Based Anti-norovirus Therapeutics	93.855	S14158.04	29,456
<u>Pass through Lehigh University</u>			
Investigation of Caveolin Structure, Topology, and Oligomerization	93.859	542626-78001	21,533
<u>Pass through Materia Inc.</u>			
Recyclable Magnetic Co/C Hybrid ROMP Reagents, Scavengers and Ligands	93.859	16951	219,967
<u>Pass through Nanofiber Solutions</u>			
Off-the-shelf patch for repairing tracheal stenosis	93.837	18808-M1	24,687
<u>Pass through NanoPharm LLC</u>			
Targeted nanoparticle treatment for breast cancer stem cells	93.000	18150	49,903
<u>Pass through Nanoprobes, Inc.</u>			
Conductive Metallography for Serial Section Electron Microscopy at Nanometer Resolution	93.242	Agreement	271
Luminescent metal complex probes for correlative microscopy	93.859	Agreement	35,061
<u>Pass through National Institute for Pharm Tech & Educ</u>			
Determination of Local Concentrations of Bupivacaine Using Microdialysis Techniques	93.103	NIPTE-U01-KS-2014-00	354
<u>Pass through Natl Council of Juvenile & Family Court</u>			
Quality Improvement Center on Child Welfare Involved Children and Families	93.670		1,683
<u>Pass through Net Esolutions Corporation</u>			
Understanding Career Outcomes of Physician Scientists in the United States	93.000	NETE-KU-OEP-2014	(1)
<u>Pass through Northeastern University</u>			
Prosody in Congenital and Acquired Dysarthria	93.173	500329-78050	18,159
<u>Pass through OK Dept of Mental Health & Substance Abuse</u>			
Oklahoma Partnership Initiative, Phase 2: Solution-Focused Brief Therapy Project Evaluation	93.087		2,815
Evaluation of the Oklahoma Partnership Initiative, Phase 2 2012-2017 Project	93.087	4529048844	13,113
Evaluation of the Oklahoma Partnership Initiative, Phase 2 2012-2017 Project	93.087	4529051282	28,003
Evaluation of the Oklahoma Partnership Initiative, Phase 2 2012-2017 Project	93.087	4529053354	45,379
Okmulgee County Family Drug Court Enhancement Evaluation	93.243	Agreement	65,677
<u>Pass through Oregon Research Institute</u>			
Web-based Parenting Intervention for Mothers of Infants At-Risk for Maltreatment	93.865	Agreement	19
<u>Pass through Pennsylvania State University</u>			
Family Migration and Early Life Outcomes	93.865	5470-UK-DHHS-0659	36,698
<u>Pass through Pinnacle Technology Inc</u>			
Development of a GABA Oxidase Enzyme For Biosensing Applications	93.242	Pin 2016-170KU	49,636
A Tissue Implantable Microbiosensor	93.242	Pin 2015-168KU	111,052
Development of a Nicotine Biosensor	93.279	Pin 2012-161KU	1,815
A Tissue-Implantable Microbiosensor	93.853	Pin 2012-160KU	(1,648)

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<u>Pass through Quality Trust for Individuals With Disabilities</u>			
Supported Decision-Making Technical Assistance and Resource Center	93.361	Agreement	\$ 84,631
<u>Pass through Research Inst. of Fox Chase Cancer Ctr.</u>			
Identifying stabilizers of p53 using pocket complementarity	93.859	FCCC15101-01	1,446
<u>Pass through Saint Louis University</u>			
Dissecting the Contribution of Viral Genetic Variation to HSV-1 Neuropathogenesis	93.853	eRS 38666	69,800
<u>Pass through Sanford Burham Prebys Medical Discovery</u>			
Identification of the molecular mechanism of miR-211 and its target genes in melanocytes and pigmented melanoma senescence and apoptosis	93.396	59675-12918	5,466
<u>Pass through Syracuse University</u>			
Community Living and Supported Decision-Making	93.433	28373-04197-S01	122,066
<u>Pass through Thomas Jefferson University</u>			
Targeting HuR to improve a synthetic lethal therapy for pancreatic cancer	93.395	080-31000-S24701	2,682
<u>Pass through Tulane University</u>			
Pediatric HIV/Aids Cohort Study (PHACS)	93.865	TUL-HSC-554714-16/17	19,861
<u>Pass through Uni of Chicago</u>			
Membrane Protein Structural Dynamics Consortium	93.859	FP043359-N	64,682
<u>Pass through University of Alabama-Tuscaloosa</u>			
Natural disaster effects on aggressive children and their caretakers: Outcomes across time	93.865	UA14-016	50,558
<u>Pass through University of Chicago</u>			
Membrane Protein Structural Dynamics Consortium	93.859	FP043359	276
<u>Pass through University of Kansas Cancer Center</u>			
NCI Cancer Center Support Grant	93.397	QJ85912A - Neufeld	30,159
High throughput screening of inhibitors specific for lysyl oxidase-like 2	93.397	QJ85912P	350
Adolescents' behavioral and neural responses to e-cigarette advertisements	93.397	QJ85912S	4,182
<u>Pass through University of KS Med Ctr Research Institute</u>			
Leadership Education in Neurodevelopmental and Other Related Disabilities (LEND)	93.110	QR814061	2,922
Single-surgery cranial regenerative medicine therapy for brain injury	93.121	ZAA00000	1,631
Development of a new approach to screening for language impairments	93.173	16837	101,087
Understanding Disparities in Quitting in African American and White Smokers	93.279	QN858271	13,847
S.C.O.R.E. Students for Community-Oriented Research and Education	93.351	ZAC00010	25,627
Evaluation of the NIH SEPA T-SCORE Project	93.351	ZAC00010-Ginther	26,168
Novel Dual Notch/PXR Targeting for Colon Cancer Therapy	93.395	QA863650	15,100
New HuR inhibitor against pancreatic cancer EMT and CSCs	93.395	ZAC00070	9,963
NCI Cancer Center Support Grant- Core C Lead Development Optimization	93.397	QJ85912C - A. Roy	9,195
NCI Cancer Center Support Grant- Core C Lead Development	93.397	QJ85912C-Baltezor	51,236
Online and Applied Systems for Intervention Skills (OASIS) Parent Training Program	93.433	Z1H00000	1,071
Project EAGLE Early Head Start Expansion	93.600	QS814209	(378)
Project EAGLE Early Head Start Expansion	93.600	QS814211	23,991
Project EAGLE Early Head Start Expansion	93.600	QS814212	96,815
Project EAGLE KC Educare Assessment and Evaluation	93.600	Y8S000H0	50,391
Secondary Analyses of Strengthening Families Datasets	93.647	G001401-7500	4,906
Title XIX-Children's Mental Health FY 2015	93.778	Agreement	
Title XIX-Adult Mental Health	93.778	Agreement	
Study of Bone Marrow Failure Caused by B19 Virus Infection	93.837	QQ854550	(946)
Neuroimaging Studies of Reward, Impulsivity and Adherence to an Exercise Program	93.847	QS85015A	(1,937)
Weight Loss and Maintenance for Individuals with IDD	93.847	QD852900 - Mod #4	(12)
Developing a minimal model of beta-barrel ligands for cancer therapeutics	93.859	QW864610	37,493
Nanobiotechnologies to Study Tumor-Derived Exosomes	93.859	QW864610	(326)
Development of a liver-on-a-chip technology for study of liver disease	93.859	QJ853940	3,536
Morphogenetic Tissue Movements in Early Embryos	93.859	QC865820	8,235
Towards exome analyses: Surprising outcomes from mutating nonconserved positions	93.859	ZAS00080	17,471
Targeting TolC oligomerization to potentiate antibiotics	93.859	QW864620	86,911
ETR-1/CELF and alternative splicing in cell migration	93.859	1000865720	7,414
KINBRE: Local immunosuppressive treatment of ulcerative colitis	93.859	QW864620	69,543
New antibacterial therapeutics using phage-based, channel-forming polypeptides	93.859	QL859701	73,682
Obtaining better signals: Spectrum Analyzer	93.859	QW864620	10,000

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Service contract for the Hiseq2500 in the Genome Sequencing Core	93.859	QW864620	\$ 15,000
K-INBRE Campus Coord yr 3	93.859	QW864620	14,105
K-INBRE Star Trainees yr 3	93.859	QW864620	39,635
K-INBRE Summer Scholars yr 3	93.859	QW864620	24,983
K-INBRE Undergrad Coord yr 3	93.859	QW864620	83,955
K-INBRE Bioinformatics Core Facility	93.859	QW864620	122,755
Molecular Characterization of Hepatic Organic Anion Transporting Polypeptides	93.859	ZAH00000	4,417
K-INBRE Undergrad Coord yr 3 PROVISIONAL	93.859	PO#1000894217	6,554
K-INBRE Campus Coord yr 4	93.859	PO#1000894218	317
K-INBRE Star Trainees yr 4	93.859	PO#1000894215	1,009
K-INBRE Bioinformatics Core Facility	93.859	PO#1000894219	20,476
K-INBRE Summer Scholars yr 4	93.859	PO#1000894216	11,851
Weight Management for Adolescents with IDD	93.865	QD867310	10,507
Weight Management for Adolescents with IDD	93.865	PO#1000848347	(823)
Effect of Aerobic Exercise on Alzheimer's Pathophysiology in Preclinical AD	93.866	QB862290	23,469
Biomarkers of Alzheimer's Disease in Peripheral Cell Mitochondria	93.866	QS85525H	1,753
Mito Genomics Metabolism: Core G	93.866	QS85525G	17,142
Oxidation of ceruloplasmin as a novel biomarker for Alzheimer's disease	93.866	QS85525X	9,761
University of Kansas Alzheimer's Disease Core Center	93.866	QS85525B	13,964
Mito Genomics Metabolism	93.866	QS85526G	166,195
Intervention to Reduce Sitting Time in Mild Cognitive Impairment (ReST-MCI).	93.866	QS85526V	4,964
University of Kansas Alzheimer's Disease Core Center	93.866	QS85526B	17,080
University of Kansas Alzheimer's Disease Core Centers	93.866	QS85526A	5,436
<u>Pass through University of KS Medical Center</u>			
Viral and host factors regulate HSV-1 infections	93.859	QL859696	9,039
Dissecting allosteric in pyruvate kinase	93.859	ZAF00010	24,662
Role of Blood Sugar Level in Development of Alzheimer's Disease	93.866	QS85525Z	4,604
<u>Pass through University of Massachusetts Medical School</u>			
Diet quality, parental perceptions, and weight gain among adolescents with an intellectual/developmental disability	93.110	WA00538863/OSP201718	14,551
<u>Pass through University of Missouri - Kansas City</u>			
Stimulus: African Americans in Health Science Research	93.701	0045298/00028962	391
<u>Pass through University of Montana</u>			
RRTC on the Ecology of Rural Disability	93.433	PG-16-64540-03	10,428
RRTC on the Ecology of Rural Disability	93.433	PG17-65494.03	27,826
<u>Pass through University of New Mexico</u>			
IRACDA Plus	93.859	PO139950	4,317
IRACDA Plus	93.859	PO143734	6,539
<u>Pass through University of South Florida</u>			
Grp94-selective inhibitors to treat hereditary glaucoma	93.867	6144-1116-00-A	94,783
<u>Pass through University of Texas Health Science Ctr - Houston</u>			
KOR agonist functional selectivity in peripheral sensory neurons	93.279	158920/158919	201,287
<u>Pass through University of Washington</u>			
Functional Genomics for Chlamydia	93.855	UWSC9070	191,343
Functional Genomics for Chlamydia	93.855	UWSC9656	7,801
<u>Pass through Virginia Tech</u>			
SIPSMARTER: a Nutrition Literacy Approach to Reducing Sugar-Sweetened Beverages	93.394	431680-19799	(52)
<u>Pass through Washington State University</u>			
The Collaborative on Health Reform and Independent Living	93.433	126140 G003511	122,445
<u>Pass through Washington University, St. Louis</u>			
Westat Formative Evaluation	93.648	8977-S-004	38,250
<u>Department of Housing and Urban Development</u>			
<u>Pass through Economic Systems Inc.</u>			
Master Agreement	14.000	KUCR-15-DU205NC-13-A	21,303

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<u>Library of Congress</u>			
<u>Pass through Southwest Research Institute</u>			
Electron Energy Distributions to be Measured by the Rosetta RPCIES Instrument	42.000	E99054DB	\$ 44,027
<u>National Aeronautics and Space Administration</u>			
<u>Direct Award</u>			
Spatially Resolved Observations of Gas Stripping in Intermediate Redshift Clusters and Groups	43.000	HST-GO-12945.01-A	77,226
Galaxy Transformation in the Infall Regions of Clusters	43.000	HST-GO-13393.002	12,244
The role of quenching and merging in shaping the passive galaxy population	43.000	HST-AR-14310.001-A	50,123
EcoSAR: The first P-band Digital Beamforming Polarimetric Interferometric SAR instrument to measure Ecosystem Structure, Biomass, and Water	43.001	NNX11AG51G	25
Deployment of CReSIS Radar Instrumentation and Data Management Activities in Support of Operation Ice Bridge	43.001	NNX13AD53A	82,409
Modeling of Plasma and Dust in the Plume of Enceladus	43.001	NNX13AG04G	64,530
Scalable Adaptive High-Order Methods for Turbulent Flow Simulations	43.001	NNX12AK04A	22,747
Energy Deposition in the Upper Atmospheres of Jupiter and Saturn by Energetic Particles: The Polar Aurora and Atmospheric Electrodynamics	43.001	NNX14AG79G	141,791
Unambiguous determination of ice sheet basal conditions from radio echo sounding data	43.001	NNX14AL99G	134,579
Adaptation of the Snow Radar for NASA Global Hawk and Ikhana Unmanned Aircraft in Support of Operation Ice Bridge	43.001	NNX13AQ30A	238,581
Ultra-high Energy particle Astrophysics with ANITA-4 - University of Kansas Co-I Airborne Radar Surveys of Land and Sea Ice and Data Processing Using CReSIS Instrumentation to Support IceBridge Observations	43.001	NNX15AC19G	97,086
Plot Study: Biomarker Preservation Potential of a Sulfur-rich Evaporative Mars Analog	43.001	NNX16AH54G	1,796,578
Controls on Iceberg Distribution Around Greenland	43.001	NNX17AJ59G	14,562
Confronting models of star formation quenching in galaxy clusters with archival Spitzer data	43.001	NNX16AJ90G	56,647
Multichannel Sense-and-Avoid Radar for Small UAVs	43.001	NNX17AF25G	5,762
	43.002	NNX15AN94A	442,614
<u>Pass through Bay Area Environmental Research Institute</u>			
Developing Detailed 3D CAD Geometry for the NASA Viking UAS	43.001	Agreement	11,888
<u>Pass through Southwest Research Institute</u>			
Cassini Ion Neutral Mass Spectrometer (INMS) Team Member Participation	43.002	D99006L	67,211
<u>Pass through University at Buffalo, State University of New York</u>			
Understanding Dynamic Outlet Glacier Behavior in Greenland: Synthesizing Altimetry Record and Numerical Modeling	43.001	R944412	37,575
<u>Pass through University of Colorado</u>			
Participation in NASA Mars Atmosphere and Evolution mission	43.000	1546525	130,415
<u>Pass through University of Texas-Austin</u>			
Physical Controls on Ocean-Terminating Glacier Variability in Central West Greenland	43.001	UTA12-001013	14,648
<u>Pass through Washburn University</u>			
Terrestrial Impact of Nearby Supernovae	43.001	NASA-BT-14-001	68,050
<u>Pass through West Virginia University</u>			
Cooperative Gust Sensing and Suppression with Aircraft Formation Flight	43.002	13-032-KU	11,433
<u>Pass through Wichita State University</u>			
KNEP CAN/Nanostructured Solid-State Energy Storage Devices for Wide-Temperature Applications in Space Exploration	43.008	WSU1495	123,958
Active Wing Shaping Control for Morphing Aircraft	43.008	WSU SUB 10429 v2	76,445
Real-Time Correction of Wing-Integrated Antenna Array Beamforming	43.008	R51357-3-0	(1,712)
National Space Grant Consortium College and Fellowship 2016	43.008	9702-7	42,895
Competitive Programs: Research Experience: Erin Lanigan Internship - NASA Marshall 2016	43.008	SUB5169-28	7,000
Adaptation and Demonstration of an UMB Radar for Rotorcraft UAS	43.008	R51357-4	40,857
Autonomous Tornado Damage Track Mapping Using a Small UAS	43.008	R51357-5	1,994
<u>National Endowment for the Arts</u>			
<u>Direct Award</u>			
Scaling Emmet Till	45.160	FA-232416-16	50,565

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<u>Federal Grantor/Program Title</u>	<u>CFDA Number</u>	<u>Identifying Number</u>	<u>Amount</u>
Engaging Communities for the Common Good: Stories about Migration in the Public Square	45.164	LD-234347-16	\$ 55,255
<u>Pass through University of California - Berkeley</u>			
The Tree Room: Teaching and learning about evolutionary relationships	45.312	00008059	1,485
<u>National Science Foundation</u>			
<u>Direct Award</u>			
EFRI-RESTOR: Regenerative Hydrogen-Bromine Fuel Cell System for Energy Storage	47.041	EFRI-1038234	24,459
Biomechanical Rehabilitation Engineering Advancement in Kansas	47.041	CBET-1160130	28,216
BRIGE: Heterogeneous Traffic over Heterogeneous Relay Networks	47.041	ECCS-1228071	35,074
RET: Shaping Inquiry from Feedstock to Tailpipe with Education Development (SHIFTED)	47.041	EEC-1301051	174,604
Hydroxyapatite Formation during Hydrothermal Liquefaction of Algal Biomass: Synthesis and Catalytic Implications	47.041	CBET-1438652	123,349
GOALI - Balancing Flocs and Granules for Activated Sludge Process Intensification: Stoke's vs Fick's Law s	47.041	CBET-1512667	68,213
Collaborative Research: EAGER: Exploring the Feasibility of a Novel Thermosyphon/Heat Pipe Heat Exchanger with Low Air-Side Thermal Resistance	47.041	CBET-1435131	61,719
Collaborative Research: Planning Grant: IUCRC for Surveillance Research	47.041	IIP1540013	883
EAGER: Engineering the Ionic Polymer Phase Surface Properties in a PEM Fuel Cell Catalyst Layer	47.041	CBET-1518755	29,980
SusChEM: Novel Electrochemical CO2 Conversion Systems with CO2-Expanded Liquids	47.041	CBET-1605524	133,665
Collaborative Research: Transmission of quantum information in circuits of superconducting qubits	47.049	PHY-1314861	41,655
CAREER: Structural and Electronic Contributions to Reactivity in Peroxomanganese(III) Compounds	47.049	CHE-1056470	20,499
CAREER: Nanoscale ballistic spin transport in semiconductors	47.049	DMR-0954486	220
Collaborative Research: Sharpening the Lithium Probe of Stellar Evolution	47.049	AST-1211621	27,375
CAREER: Controlling non-adiabatic reaction dynamics in solution: A window on the fundamental details of photochemical reactions	47.049	CHE-1151555	140,497
Probing and manipulating superconductivity in nanostructures	47.049	DMR-1105986	(3,408)
International Collaboration in Chemistry: LOV Domain Signaling	47.049	1 CHE-1124946	8,200
Linear and Nonlinear Stability for Infinite-Dimensional Dynamical Systems	47.049	DMS-1211315	6,440
Azulene-bridged Organometallics: New Platforms for Charge Delocalization and Transport at the Nanoscale	47.049	CHE-1214102	33,023
Stochastic Analysis of Gaussian Fractional Noises	47.049	DMS-1208625	91,518
On Two Topics in Algebraic Geometry	47.049	DMS-1206434	1,352
Stability of Nonlinear Waves in Dissipative and Dispersive PDE	47.049	DMS1211183	13,976
Stability of waves in discrete and continuous dynamical systems	47.049	DMS-1313107	27,964
Characterizing the Molecular Gas Contents of High Redshift Galaxies	47.049	AST-1211358	(3,760)
REU Site: A Summer Experience for Undergraduates Integrating Research, Education, and Career Development in an Interdisciplinary Environment	47.049	CHE-1263259	10,951
Experimental Particle Physics at the Collider and Cosmic Ray Energy Frontiers	47.049	PHY-1306953	523,807
Statistical Inference on Memory Structure of Processes	47.049	DMS-1407819	59,221
Microanalytical Techniques to Study Single Cell Biochemical Processes	47.049	CHE-1411993	234,842
MR: Development of UHV SPM-TERS in situ Characterization Interfaced with UHV Sputtering-Atomic Layer Deposition System	47.049	DMR-1337737	12,353
NSMDS: Sustainable chemical innovations by an integrated design approach	47.049	CHE-1339661	1,503,576
CAREER: Understanding the role of quantum coherence in exciton transport and separation in molecular aggregates	47.049		101,927
Enzymes of Ornithine-Hydroxamate Siderophores	47.049	CHE-1403293 001	197,608
Studies in Adaptive and Optimal Control of Stochastic Systems	47.049	DMS-1411412	65,983
Implicit sampling methods and their applications	47.049	DMS-1419069	50,841
Topics in Computational Dynamics	47.049	DMS-1419047	78,000
CAREER: Innovative Strategies for Fluorination of Common Functional Groups	47.049	CHE-1455163	160,167
CAREER: Catalysis on Singly Dispersed Bimetallic Catalytic Sites	47.049	CHE-1462121	48,550
Electron-positron experimental particle physics	47.049	PHY-1505464	35,184
Catalytic Synthesis via C-C Cleavage	47.049	CHE-1465172	173,107
Thermodynamics and Structure of Chemically Heterogeneous Solid-Liquid Interfaces	47.049	CHE-1465226	118,842
Topics in Algebraic Geometry: Gromov-Witten Theory and Donaldson-Thomas Theory	47.049	DMS-1600997	17,173

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Stochastic partial differential equations, fractional noises and limit theorems	47.049	DMS-1512891	\$ 104,827
Probing and manipulating strained interfaces with oxide superconductors	47.049	DMR-1508494	107,382
Novel transport phenomena in two-dimensional crystals beyond graphene	47.049	DMR-1505852	121,668
Collaborative Research: The GOGREEN Survey - Caring about the Environment	47.049	AST-1517815	88,981
Stability and Long Time Behavior for Infinite-Dimensional Dynamical Systems	47.049	DMS-1516245	63,227
Local cohomology, the Frobenius endomorphism, D-module theory, and invariant theory	47.049	DMS-1623035	55,838
CAREER: First Principles Evaluation of Optical Activity in Solids	47.049	CHE-1650942	18,295
Electronic Structure and Reactivity of Peroxo- and Hydroxomanganese Compounds	47.049	CHE-1565661	72,995
Existence, Stability and Dynamics of Nonlinear Waves	47.049	DMS-1614785	42,594
Elementary Particle Physics with Collider Experiments	47.049	PHY-1607262	48,230
Stability of solitary waves in dynamical systems	47.049	DMS-1614734	21,069
MRI: Acquisition of a Multinuclear Broadband Cryogenically Cooled Probe for NMR Spectroscopy at KU-Lawrence	47.049	CHE-1625923	277,166
Applying the Frobenius Morphism and Convexity to Study Singularities	47.049	DMS-1600702	31,932
Single Molecule Electrophoresis using Nanochannel Columns Fabricated in Thermoplastics	47.049	CHE-1660002	96,911
Understanding the Diversity and Biology of Microbes in Late Paleozoic Ecosystems	47.050	EAR-0949947	34,176
Collaborative Research: Life in a Volcanic Landscape: Early Jurassic Paleoenvironments and Paleobotany	47.050	ANT-1142495	96,477
Collaborative Research: Byrd Glacier Flow Dynamics	47.050	ANT-0944597	(6,221)
Collaborative Research: Investigating Lithologic and Stratigraphic Controls on Hydrogeology in Neogene Strata of the Central High Plains Aquifer	47.050	EAR-1023285	131,763
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	48,973
Collaborative Research: WSC-Category 3: Toward Sustainability of the High Plains Aquifer Region: Coupled Landscape, Atmosphere, and Socioeconomic Processes (CLASP)	47.050	EAR-1039247	57,965
Center for Remote Sensing of Ice Sheets (CReSIS)	47.050	PLR-0424589	920,430
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	148,810
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	62,848
Collaborative Research: Geological Hazards, Climate Change, and Human/Ecosystems Resilience in the Islands of the Four Mountains, Alaska.	47.050	PLR-1301927	158,627
CAREER: Improving Understanding of Antarctic Glacier Dynamics Through an Interactive Numerical Flow line Model	47.050	PLR-1255488	70,752
RCN: Facilitating Indigenous Research, Science and Technology (FIRST)	47.050	PLR-1417767	40,207
Collaboratively Harnessing Indigenous Research Principles, Protocols, and Practices (CHIRP3)	47.050	PLR-1436506	105,376
Collaborative Research: Geoinformatics: Development of Structural Geology and Tectonics Data System with Field and Lab Interface	47.050	EAR-1347331	107,574
Collaborative Research: Stability and Dynamics of Antarctic Marine Outlet Glaciers	47.050	PLR-1543530	118,600
Collaborative Research: Lidar and Modeling Applications from the Precision Atmospheric Marine Boundary Layer Experiment (PreAMBLE) Dataset	47.050	AGS-1439515	70,312
Collaborative Research: Permian and Triassic Icehouse to Greenhouse Paleoenvironments and Paleobotany in the Shackleton Glacier Area, Antarctica	47.050	PLR-1443546	52,557
Doctoral Dissertation Research: Bridging Knowledge Systems to Improve Ecosystem Management along the Yukon River, Alaska	47.050	PLR-1504203	7,191
Doctoral Dissertation Improvement Grant: Ethnographic Research on the Question of Diaspora Among Ukraine's Displaced Crimean Populations	47.050	PLR1546954	29,247
INSPIRE: Forging new connections among mammalian evolution, climate change, and tectonics during the Eocene.	47.050	1543684	60,372
EarthCube Data Infrastructure: Collaborative Proposal: Development of an Integrated Data System for the Geological Field Sciences	47.050	ICER-1639734	63,225
Collaborative Research: EAGER: The Language of the Forests: Growth in Seasonal Relationships to the Interior Alaska Boreal Forests	47.050	PLR-1650692	16,988
Activity, Preservation and Fossilization of Cryptomonads Microorganisms in Antarctica	47.050	PLR-1544526	87,252
CAREER: Implementing a New Parallelization Model for Virtual Machines	47.070	CNS-0953268	23,547

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CAREER: Filling the Gaps in Domain-Specific Functional-Based Solutions High-Performance Execution	47.070	CCF-1350901	\$ 113,152
NeTS: Medium: Collaborative Research: Digital Subcarrier Multiplexed Networks: From the Core to the Access	47.070	CNS-1409853	86,310
NeTS: Small: Exploiting Adaptive Protocols in Packet-Based Broadband Wireless Networks	47.070	CNS-1216132	21,091
NeTS: Small: Collaborative Research: Resilient Network Design for Massive Failures and Attacks	47.070	CNS-1219028	18,145
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	30,954
MR: Acquisition of Computing Equipment for Supporting Data-intensive Bioinformatics Research at the University of Kansas	47.070	CNS-1337899	61,163
CF: Small: Fundamentals of Energy-Efficiency in Delay-Sensitive Wireless Communications	47.070	CCF-1422241	13,395
CAREER: Parallel Dynamic Meshing Techniques for Simulation-Assisted Medical Interventions	47.070	ACI-1500487	98,509
EAGER: Automatic Speech Recognition for Uyghur	47.070	1519164	16,947
CR: SHF: Enabling Technologies for Three Dimensional (3D) Millimeter-Wave Integrated Circuits: Through Silicon Via (TSV) Modeling and Design	47.070	1464424	963
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	13,376
SHF: Small: Collaborative Research: Explore, Understand, and Build a New Profiling Framework for Managed Language Virtual Machines	47.070	CCF-1619140	76,591
A specimen-level database of the world's bees (Apoidea) at the University of Kansas	47.074	DBI-1057366	(90)
Collaborative Biodiversity Collections Computing	47.074	DBI-0960913	4,863
Plant recruitment, coexistence and community assembly in developing prairie restorations	47.074	DEB-1021158	27,551
CAREER: Integrating phylogenetics and development to investigate character evolution in hydrozoans	47.074	DEB-0953571	73,129
Delineating the roles of rising CO2 and temperature on flowering time across pre-industrial through future conditions	47.074	IOS-1457236	148,493
Collaborative Research: Discovery and analysis in the cradle of speciation theory: biotic surveys of Melanesia's terrestrial vertebrates	47.074	DEB-1557053	53,098
Collaborative Research: RUJ: Understanding diversity in camas and rush lilies: can a unified approach resolve species boundaries in difficult groups?	47.074	DEB-1145847	12,470
CAREER: Does crowding stabilize intrinsically disordered proteins?	47.074	MCB-1149538	139,124
Collaborative research- Evolution of living and fossil green lacewings (Chrysopidae): phylogenetics, informatics and a universal ontology for Neuroptera	47.074	DEB-1144162	88,794
ABI Development: Collaborative Research: VertNet, a New Model for Biodiversity Networks	47.074	DBI-1062200	3,142
Collaborative Research: Digitization TCN: InvertNet--An Integrative Platform for Research on Environmental Change, Species Discovery and Identification	47.074	EF-1115051	10,790
COLLABORATIVE RESEARCH: Systematics of a pantropical diversification: the suboscine passerine birds	47.074	DEB-1146345	13,219
Protein interactions in the utilization of iron by pathogenic bacteria	47.074	MCB-1158469	330
Digitization TCN: Collaborative Research: Digitizing Fossils to Enable New Syntheses in Biogeography - Creating a PALEONICHES-TCN	47.074	EF-1206757	131,086
Collaborative Research: Automated and community-driven synthesis of the tree of life	47.074	DEB-1208393	84,600
Computational Studies of membrane proteins based on NMR	47.074	MCB-1157677	13,506
Collaborative Research: Digitization TCN: Developing a Centralized Digital Archive of Vouchered Animal Communication Signals	47.074	EF-1304585	(2,583)
Genetic and developmental changes associated with the evolution of a hummingbird-pollination floral syndrome	47.074	IOS-1255808	20,702
Integrating Fossil Data into Likelihood-based Phylogenetic Analyses with Trilobites as a Model System	47.074	DEB-1256993	47,686
Dimensions: Collaborative Research: Historical and contemporary influences on elevational distributions and biodiversity tested in tropical Asia	47.074	DEB-1241181	52,288
ABI Innovation: Target - template structural and functional relationships in modeling of protein - protein interactions	47.074	DBI - 1262621	182,669
Collaborative Research: Unique structural proteins and cross-linking reactions that control physical properties of insect exoskeletons	47.074	IOS-1258027	104,001

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CAREER: Teaching Modern Biodiversity Science from Fieldwork to Phylogeny: Diversity, Systematics, & Evolution of Ecologically Promiscuous Aquatic Beetles	47.074	DEB-1453452	\$ 91,744
IOCB: Molecular and morphological characterization of polar capsules in the parasitic Myxozoa	47.074	IOS-1321759	1,771
Digitization TCN: Collaborative Research: Fossil Insect Collaborative: A Deep-Time Approach to Studying Diversification and Response to Environmental Change	47.074	EF-1304957	36,369
SG: Evolutionary lag and the effects of clonal structure	47.074	DEB-1354754	31,875
IOS Preliminary Proposal: COLLABORATIVE RESEARCH: Genetics and development of parallel pollination system evolution in Penstemon	47.074	IOS-1555418	35,927
Collaborative Research: Fire-Fungal-Plant Feedbacks in Pyrogenic Ecosystems	47.074	DEB-1557000	82,582
Collaborative Research: Interactive Effects of Exogenous and Endogenous Spatial Heterogeneity on Plant Diversity	47.074	DEB-1456976	15,885
Collaborative Research: ABI Development: Transforming Biodiversity Analysis with Landscapes, Automation, and Provenance	47.074	DBI-1356732	208,880
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	98,873
Evolutionary dynamics of collateral gene silencing by piRNA	47.074	MCB-1413532	223,105
Studying proteasome assembly using a combination of modeling and experiment	47.074	MCB-1412262	226,711
Re-organization of Philippine Rainforest Biodiversity Following Disturbance on Regional Scales from a Powerful Typhoon	47.074	DEB-1418895	13,615
Constraints on the evolution of chromosome dosage compensation: a test in butterflies and moths	47.074	DEB-1457758	192,276
Bridging observational, experimental and genomic insights on species and speciation through comparative analyses in a new vertebrate model systems	47.074	DEB-1457774	106,754
Collaborative Research: Hierarchical Functioning of River Macrosystems in Temperate Steppes - From Continental to Hydrogeomorphic Patch Scales	47.074	EF1442595	471,440
Collaborative Research: Connecting resources to enable large-scale biodiversity analyses	47.074	DBI-1458422	130,761
Collaborative Research: Out of the "Jungle" and into the Sea	47.074	DEB-1457776	68,211
Collaborative Research: beta-catenin regulation during asymmetric stem cell divisions	47.074	IOS-1456538	125,144
DISSERTATION RESEARCH (Rachel Bowes): Historical Changes in Food Web Structure of Large Rivers	47.074	DEB-1502017	1,552
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	5,922
Bacterial Outer Membranes and Interactions with Proteins	47.074	MCB-1516154	29,724
Protein Interactions regulate iron storage and utilization in bacteria	47.074	MCB-1615767	62,620
CSBR: Natural History: Stewardship of Paleobotanical Collections at the University of Kansas: Evolution of Seed Plants and Antarctic Fossil Plants	47.074	DBI-1561315	382,724
DIMENSIONS: COLLABORATIVE RESEARCH: The evolution of pollination syndrome diversity in Penstemon	47.074	DEB-1542402	93,840
REU Site: Models in Evolution, Ecology and Systematics	47.074	DBI-1560139	49,216
ABI Sustaining: Supporting Biological Collections Computing with Specify	47.074	DBI-1565098	274,113
DISSERTATION RESEARCH: Using covariance to test hypotheses about the function and underlying genetic control of multi-component signals.	47.074	IOS-1601335	12,568
Bilateral BBSRC-NSF/BIO: ABI Innovation: Modeling protein interactions to interpret genetic variation	47.074	DBI-1565107	163,840
DISSERTATION RESEARCH: Assessing multi-scale drivers of pollinator assembly and plant-pollinator network architecture in the context of prairie restoration	47.074	DEB-1600525	498
Digitization TCN: Collaborative Research: The Cretaceous World: Digitizing Fossils to Reconstruct Evolving Ecosystems in the Western Interior Seaway	47.074	DBI-1602067	17,079
Can improving predictions of soil oxygen dynamics increase understanding of greenhouse gas hotspots and hot moments?	47.074	DEB-1613325	311,413
Investigating novel functions of septate junction proteins during morphogenesis in Drosophila	47.074	IOS-1656835	9,636
Collaborative Research: Ecological Dynamics of the Plant-Arbuscular Mycorrhizal Fungal Mutualism: Contribution to Plant Species turnover and Coexistence	47.074	DEB-1556664	185,450
RAPID: Decline and Resilience of White Ash Populations during an Emerald Ash Borer Invasion	47.074	IOS-1644618	68,624
LTREB Renewal: Long-term studies of secondary succession and community assembly in the prairie-forest ecotone of eastern Kansas	47.074	DEB-1655500	12,125
Collaborative Research: Phylogenetic Systematics and the Evolution of Reproductive Innovation in an Adaptive Radiation of Agreement Fanged Frogs	47.074	DEB-1654388	9,613

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Collaborative Research: Assembling the Tree of Life-An Integrative Approach to Investigating Cnidarian Phylogeny	47.074	EF-0531779	\$ (854)
Collaborative Research: FBI: A survey of the tapeworms (Cestoda: Platyhelminthes) from the vertebrate bowels of the earth	47.074	DEB-0818823	8,731
Planned Missing Research Designs: Power and Validity of Planned Missing Data Designs in Longitudinal Research	47.075	BCS-1053160	(243)
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	3,619
Examining how exposure to metaphorical framing influences attitudes toward sociopolitical issues	47.075	BCS-1222047	11,797
CAREER: Community Adaptation to Changing Environmental Disasters	47.075	BCS-1151288	35,338
The Acquisition of Northern Pame [pmq] (Otomanguean)	47.075	BCS-1360874	44,335
Collaborative Research: Opening New Views into Bankruptcy and Credit Markets Using Court Records	47.075	SES-1355744	17,990
Collaborative Research: Separating transient and enduring forms of change in adult attachment styles	47.075	BCS-1423970	33,799
Race and gender stereotyping in evaluative language	47.075	BCS-1349043	14,552
Collaborative Research: Climate Risk Governance and Polycentrism in the US States	47.075	SES-1431082	54,036
Effects of Native Language and Linguistic Exposure on Non-Native Listeners' Use of Prosodic Cues in Speech Segmentation	47.075	BCS-1423905	75,585
Into Africa: The Initial Colonization of Africa by Early Cenozoic Anthropoids	47.075	BCS-1441585	85,190
Collaborative Research: Integrated City Sustainability: Administrative Apparatus for Overcoming Collective Dilemmas of Agency Fragmentation	47.075	SES-1461526	34,893
Systematic Study of Group-Based Legal Mobilization	47.075	SES1535673	63,896
Understanding Gender Differences in STEM Academic Careers	47.075	SES1538797	20,342
CeMENT as a Networking Experiment	47.075	SES-1547054	39,402
Collaborative Research: EAGER: Automating HERD Reporting Using Machine Learning and Administrative Data	47.075	SMA1547464	87,147
Making words disappear or appear: A neurocognitive and behavioral investigation of effects of speech rate on spoken word recognition	47.075	BCS-1559719	13,950
Challenging Notions of the "Ideal" Victim: Identifying and Stereotyping Human Trafficking in Rural Kansas and Missouri	47.075	SES-1624317	9,164
Doctoral Dissertation Study: How Native Chinese Listeners and Second-Language Chinese Learners Process Tones in Word Recognition: An Eye-tracking Study	47.075	BCS-1627554	15,037
EAGER To Create Tools to Enhance NCSSES Data	47.075	SMA-1647187	71,512
Doctoral Dissertation Research: Mixed-Status Families: Power, Identity, and Community	47.075	SES-1702837	1,321
Developing Virtual and Physical Models to Enhance Conceptualization of Soil and Biogenic Structures in Undergraduate Geoscience Classes	47.076	DUE-1140908	9,329
Enhancing Teaching and Learning with Social Media: Supporting Teacher Professional Learning and Student Scientific Argumentation	47.076	DRL-1316799	69,760
Deep Roots: Wide-Spread implementation of community-driven evidence-based Pedagogy	47.076	DUE-1525775	402,266
CyberCorps: New Scholarships for Service (SFS) Program at the University of Kansas - Jayhawk SFS	47.076	DGE-1565570	283,553
MATH: EAGER: Developing a Learning Map for Introductory Statistics	47.076	DUE-1544481	63,158
Collaborative Research: 2014-2017 Development of the Askaryan Radio Array Ultra-high Energy Neutrino Detector at the South Pole	47.078	PHY-1404289	67,785
Collaborative Research: People, landscape and narratives in time - Birnirk and the emergence of Inupiaq culture in northwestern Alaska	47.078	PLR-1732344	117,176
Collaborative Research: Imaging and Controlling Ultrafast Dynamics of Atoms, Molecules, and Nanostructures	47.079	IIA-1430493	1,311,261
R11 Track-2 FEC: Catalysis for Renewables: Applications, Fundamentals and Technologies (CRAFT)	47.079	OIA-1539105	1,263,072
Phase VI: Climate Change and Energy: Basic Science, Impacts, and Mitigation	47.081	EPS-0903806	963,096
Stimulus: MRI-R2: Development of a Pixel Detector for the Upgraded CMS Experiment	47.082	PHY-0960128	(792)
R11 Track-2 FEC: Improving Water Management, Treatment and Recovery in Oil and Gas Production	47.083	OIA-1632892	444,726
Pass through BBN Technologies, Inc			
KanREN-GENI: GENI in the Kansas Research and Education Network and the Great Plains Network	47.07	9500011164	8,693

See accompanying notes to schedule.

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<u>Pass through Case Western Reserve University</u>			
RI: Medium: Active Sensing, Localization and Mapping in Dynamic Deformable Environments for Image-Guided Interventions	47.070	RES510815	\$ 24,447
<u>Pass through College of Charleston</u>			
CIF21 DIBBs: Collaborative Research: Cyberinfrastructure for Interpreting and Archiving U-series Geochronologic Data	47.070	521156-Kansas	35,821
<u>Pass through Columbia University</u>			
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)	181,908
<u>Pass through Duke University</u>			
Human and Natural Forcings of Critical Zone Dynamics and Evolution at the Calhoun Critical Zone Observatory	47.050	14-NSF-1078	147,907
<u>Pass through Indiana University</u>			
CIF21 DIBBs: Middle are and High Performance Analytics Libraries for Scalable Data Science	47.070	BL-4848800-UK	77,726
<u>Pass through Johnson Co Community College</u>			
Johnson County Community College STEM Scholarship Project	47.076	19228	10,570
<u>Pass through KS State University, SPA</u>			
Konza Prairie LTER V: Long Term Research on Grassland Dynamics and Global Change	47.074	S09068.06	(27)
Konza Prairie LTER: Grassland Dynamics and Long-Term Trajectories of Change	47.074	S15103.02	12,454
Konza Prairie LTER: Long Term Research on Grassland Dynamics and Global Change	47.074	S15099.02	23,199
<u>Pass through Missouri Botanical Garden</u>			
Digitization TCN: Collaborative Research: Tritrophic Databasing Initiative	47.074	NSF05791UK	(9,716)
<u>Pass through National Ecological Observatory</u>			
Contract Bid for NEON, Inc. RFP-0256-AQU Reaeration and Dissolved Gas Laboratory Analysis	47.074	1010-0345-000	5,765
Reaeration and Dissolved Gas Laboratory Analysis	47.074	2010-0358-AQU	23,624
Mosquito Taxonomic Identification	47.074	4010-0390-000	61,550
<u>Pass through Northern Arizona University</u>			
CNH-L: Scale-dependent feedbacks among protected areas and surrounding socio-ecological systems	47.074	1003088-01	5,495
<u>Pass through Princeton University</u>			
U.S. CMS Operations at the LHC	47.049	00002102	50,502
<u>Pass through PROTON ONSITE</u>			
Hydrogen Bromine Electrolysis for Highly Efficient Hydrogen-Based Energy Storage and High Value Chemical Applications - Phase II	47.041	EC-017038-01	64,336
<u>Pass through Purdue University</u>			
2015 NSF CyberBridges Workshop	47.070	4101-69529	395
<u>Pass through St. Cloud State University</u>			
Collaborative Research: Diversification in the Deep-Sea and the Evolution of Fangs, Bioluminescence, Hermaphroditism, and Marine Habitat Transitions	47.074	149584	25,855
<u>Pass through Texas Tech University</u>			
GOALL: Erbium Doped III-Nitrides for Optical Communications and Silicon Photonics	47.041	21P297-01	31,391
<u>Pass through Tulane University</u>			
Effects of Anthropogenic Habitat Perturbation on Rodent Population Dynamics and Risk of Rodent-Borne Diseases	47.050	TUL-HSC-428-12/13	16,452
<u>Pass through University of California - San Diego</u>			
PRAGMA - Enabling Scientific Expeditions and Infrastructure Experimentation for Pacific Rim Institutions and Researchers	47.080	59858222	33,989
<u>Pass through University of Illinois</u>			
CSR: Medium: Multicore Real Time Virtual Partitions	47.070	2013-01883-01	39,208
<u>Pass through University of Minnesota</u>			
CSBR: Natural History: Stabilization and Accessibility of the National Water-Quality Assessment Macroinvertebrate Collection	47.074	H005292801	5,360
<u>Pass through University of Nebraska - Lincoln</u>			
NSF Cooperative Agreement for Phase-1 Upgrades of CMS	47.049	25-0521-0178-005	44,040
<u>Pass through University of New Mexico</u>			
DataNetONE: Observation Network for Earth	47.070	063045-87L3	256,874

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<u>Pass through University of Notre Dame</u>			
A QuarkNet Site at the University of Kansas: Engaging High School Physics Teachers in Particle Physics Research	47.049	Agreement	\$ 14,664
<u>Pass through University of Puerto Rico</u>			
Puerto Rico Center for Environmental Neuroscience	47.076	2017-001258	5,527
<u>Pass through University of Utah</u>			
MR1: Development of a Radar Observatory for Cosmic Ray Air Showers	47.049	10022787	(1,016)
<u>Pass through Wayne State University</u>			
CDI Type II: Computational Methods to Enable an Invertebrate Paleontology Knowledgebase	47.070	WSU15009	36,206
<u>U.S. Department of Agriculture</u>			
<u>Direct Award</u>			
Virus and Vector Protein Expression	10.001	58-3020-5-024	10,128
Interactive Online Resources for the Welfare of Pets During Air Travel	10.025	15-6100-0085-CA	77,809
Green Technologies for Product Diversification in an Integrated Biorefinery	10.312	2011-10006-30362	(31,167)
Sustainability Study of Wild Populations of Osha (<i>Ligusticum porteri</i>)	10.000	12-CS-11020900-020	5,519
Kansas Species Conservation Partnership	10.000	13-CS-11020000-020	984
Sustainability Study of Wild Populations of Osha (<i>Ligusticum porteri</i>) in the San Juan National Forest	10.000	15-CS-11021300-037	3,001
<u>Pass through Integrated Animal Research LLC</u>			
Development of a serotype-independent vaccine based on Salmonella T3SA proteins	10.212	19250	9,996
<u>Pass through Kansas State University</u>			
Develop canopy sensing and computational systems for real-time control and feedback of irrigation technology	10.310	S17170	2,301
PAPM EAGER: Wheat Phenome/Genome Sensing/Modeling via Microwave Scattering Inversion	10.310	S17144	43,926
<u>Pass through KS Dept for Children and Families</u>			
Pilot Projects to Reduce Dependency	10.596	Agreement	255,233
<u>Pass through Michigan State University</u>			
Developing and promoting water-, nutrient-, and climate-smart technologies to help agricultural systems adapt to climate and society changes	10.310	RC104693B	3,330
<u>Pass through University of Delaware</u>			
Reducing uncertainty in carbon cycle science of North America: a synthesis program across United States	10.310	38517	34,283
<u>Pass through University of Nebraska - Lincoln</u>			
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	108,305
Co-Aerial Ecologist: Robotic Water Sampling and Sensing in the Wild	10.310	25-0511-0110-005	40,486
Data Processing and Analysis: Rapid Assessment of US Soil Carbon for Climate Change and Conservation Planning	10.903	25-6238-0697-002	10,823
<u>U.S. Department of Transportation</u>			
<u>Direct Award</u>			
UAS Operational and Certification Standards Development to Mitigate Injury and Damage on the Ground	20.109	15-C-UAS-KU-01	50,136
<u>Pass through CSRA</u>			
Airport Noise Simulation	20.000	9163212	35,332
<u>Pass through Iowa State University</u>			
2016 Work Zone and Guardrail Safety Training Grant	20.215	436-17-35C	5,563
<u>Pass through KS Dept of Transportation</u>			
Construction of Low-Cracking High-Performance Bridge Decks Incorporating New Technology	20.205	RE-7000-01	75,651
2016 Local Technical Assistance Program (LTAP)	20.215	RE 0255-16 LTAP-R025	156,225
2016 Local Technical Assistance Program (LTAP)- SPR	20.215	RE 0255-17 LTAP-R025	85,478
Self De-icing LED Signals	20.000	RE-0721-01	41,675
<u>Pass through Leidos, Inc.</u>			
Narrowing Freeway Lanes and Shoulders to Create Additional Travel Lanes	20.000	P010189192	28,577

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<u>Pass through Louisiana State University</u>			
SDDOT Maintenance Decision Support System (MDSS) Operation Plan	20.205	PO-0000019616	\$ 1,465
<u>Pass through Texas A&M Research Foundation</u>			
Performance Prediction and Analysis of Airfield Pavements Subjected to Next Generation Aircraft	20.108	12-S151230	134,971
<u>Pass through University of Colorado</u>			
Quantification of Cost, Benefits and Risk Associated with Alternate Contracting Methods and Accelerated Performance Specifications	20.000	1550889	19,788
<u>Pass through University of Nebraska - Lincoln</u>			
Development of Distortion-Induced Fatigue Retrofit Techniques for Skewed Steel Bridge Girders	20.701	25-1121-0003-245	(481)
University Transportation Centers Open Competition 2016	20.701	25-1121-0005-150	<u>13,253</u>
TOTAL RESEARCH AND DEVELOPMENT CLUSTER			89,979,467
TRIO CLUSTER			
<u>U.S. Department of Education</u>			
<u>Direct Award</u>			
Student Support Services Program	84.042	P042A110606-15	70,809
University of Kansas TRIO Student Support Services - SES	84.042	P042A160846	192,602
University of Kansas TRIO Student Support Services-STEM	84.042	P042A150254-16	274,532
University of Kansas Talent Search	84.044	P044A110799	152,179
University of Kansas Talent Search (KUTS)	84.044	P044A160170	305,910
The University of Kansas Upward Bound Program	84.047	P047A090338-12	8,286
The University of Kansas Veterans Upward Bound Program	84.047	P047V090028-12	(3,523)
University of Kansas Upward Bound Program	84.047	P047A130144-17	395,821
The University of Kansas Upward Bound Math and Science Center	84.047	P047M120139-16	312,529
The University of Kansas Veterans Upward Bound Program	84.047	P047V130043-16	245,341
University of Kansas Educational Opportunity Center	84.066	P066A110016 - 15	64,959
University of Kansas EOC	84.066	P066A160048	207,170
University of Kansas EOC - Leavenworth and Franklin County	84.066	P066A160079	122,251
McNair Scholars Program	84.217	P217A120075 - 16	277,204
TOTAL TRIO CLUSTER			2,626,070
<u>U.S. Department of Education</u>			
National Resource Centers Program	84.015	P015A140178 - 15	212,827
Foreign Language and Area Studies Fellowships Program	84.015	P015B140073-17	278,260
Foreign Language and Area Studies Fellowships Program	84.015	P015B150178 - 17	240,090
Heartland College Assistance Migrant Program	84.149	S149A150007-17	418,911
Post-Doctoral Research Training Program in Special Education: Response to Intervention (RTI) in Early Childhood	84.324	R32B120004 - 15	100,612
KU Improving Transition Teacher Quality with Online Personnel Preparation (iTran)	84.325	H325K100511 - 13	35,427
Augmentative and Alternative Communication in the Schools: Leadership and Access (ACTS) - Kansas City	84.325	H325K110338 - 15	229,709
University of Kansas Global Learning Opportunities Building Early Education Leaders (KU-GLOBEEL) Type A	84.325	H325D120065 - 16	230,611
Culturally-Responsive Early Literacy Intervention (CRELI): American Indian/Alaskan Native	84.325	H325K130316 - 15	196,168
KU-DDL: The University of Kansas Diversity, Development & Learning Early Childhood Unified Masters	84.325	H325K130073	210,931
Leadership Training in Nondiscriminatory Special Education Policy and Practice	84.325	H325D150085-16	112,820
University of Kansas Project to Develop Responsive, Innovative, and Visionary Educators (KU-DRIVE), Type A	84.325	H325D150084-16	135,492
ALL-Together In Early Education (ALL-TiEE): Early Childhood Unified Masters Project	84.325		181,110

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Center on Online Learning and Students with Disabilities	84.327	H327U110011 - 15	\$ 1,252,625
University of Kansas Washington Cluster GEAR UP Program	84.334	P334A110181-16	521,498
University of Kansas Harmon Cluster GEAR UP Program	84.334	P334A110182-16	562,191
University of Kansas Highland Park High School Cluster GEAR UP Program	84.334	P334A140114-16	301,805
TELK-Topeka: Teaching English Learners in Kansas-Topeka	84.365	T365Z110079 - 15	77,583
Design and Development of a Dynamic Learning Maps Alternate Assessment System	84.373	H373X100001 - 13C	117
<u>Pass through Georgia State University</u>			
MAAPS: Monitoring Advising Analytics as Predictors of Success: A Study Proposed by the University Innovation Alliance	84.116	SP00012139-05	252,640
<u>Pass through KS Board of Regents</u>			
College Access Challenge Grant Application Proposal for Summer Funding AY 2014-2015	84.378	Agreement	3,440
<u>Pass through KS Dept of Education</u>			
KSDE 21st CCLC Technical Assistance Grant	84.287	652-16-1895	247,429
KSDE ESOL Improvement Initiative	84.365	652-16-1879	9,537
<u>Pass through KS Dept of Health & Environmt</u>			
Kansas Inservice Training System (KITS)-Infant and Toddler Expansion	84.181	Agreement	54,812
Kansas Inservice Training System (KITS)-Infant and Toddler Expansion	84.181	Agreement	415,751
Tiny K - Infant Toddler Assistive Technology Services	84.181	Agreement	12,768
<u>Pass through MO Dept of Elementary & Secondary Ed</u>			
Missouri Post-Secondary Success Project	84.027	Agreement	315,477
State of MO Personnel Development Grant Evaluation	84.323		(443)
State Personnel Development Grant Evaluation 2 (SPDG)	84.323		(1,712)
State Personnel Development Grant Evaluation 2 (SPDG)	84.323		(1,749)
State Personnel Development Grant Evaluation 2 (SPDG) - 2016	84.323	Agreement	15,876
<u>Pass through New Hampshire Dept of Education</u>			
DLM - Operational/Testing	84.000	2015-043	(16,199)
<u>Pass through Questar Assessment Inc.</u>			
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	58,144
<u>Pass through Synergy Enterprises, Inc.</u>			
You for Youth, Summer Learning Initiative, SME Targeted Technical Assistance	84.000	Agreement	31,954
<u>Pass through University of Kansas</u>			
Provide Professional Development and Associated Resources for the Strategic Instruction Model and Content Literacy Continuum	84.323	Agreement	490,018
Virginia's State Personnel Development Grant Proposal	84.325		73,823
<u>Pass through University of North Carolina Charlotte</u>			
National Technical Assistance Center on Increasing Graduation and Improving Transition to Postsecondary Education and Careers for Students with Disabilities	84.326	20150079-03-UKS	219,803
<u>Pass through University of Oregon</u>			
OSEP Technical Assistance Center on Positive Behavioral Interventions and Supports	84.326	224440M	84,395
<u>Pass through USD 491 - Eudora</u>			
Harvest of Hope Leadership Academy 2015-2016	84.000	Agreement	91,189
<u>Pass through USD 501, Topeka Public Schools</u>			
The Arts Infusion Project	84.351	16850	21,744
The Arts Infusion Project	84.351	16855	69,879
The Arts Infusion Project	84.351	18291	(49)
The Arts Infusion Project	84.351	18418	53,908
The Arts Infusion Project: Evaluation	84.351	19265	74,045
The Arts Infusion Project: Professional Development	84.351	19263	48,249
<u>Pass through Wichita State University</u>			
Evaluation of the Wichita North GEAR UP Program	84.334	R51399	13,072
GEAR UP, South Wichita Project	84.334	R51394	1,181
Evaluation of the Wichita North GEAR UP Program	84.334	13432	24,267
GEAR UP, South Wichita Project	84.334	13433	23,219

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<u>U.S. Department of Homeland Security</u>			
<u>Direct Award</u>			
Kansas State Training Systems Grant Application FY 2012	97.043	EMW-2015-GR-00039-S0	\$ 2,985
Kansas State Training Systems Grant Application FY 2016	97.043	EMW-2016-GR-00013	15,536
AFG 2014	97.044	EMW-2014-FZ-00136	350,000
<u>U.S. Department of Commerce</u>			
<u>Direct Award</u>			
KU University Center Project: KU Entrepreneurship Works for Kansas - Phase III	11.303	05-66-05445.03	133,598
<u>U.S. Department of Defense</u>			
<u>Direct Award</u>			
GenCyber Summer Camp at the University of Kansas	12.903	H98230-17-1-0281	1,488
Peace Corps Recruitment Proposal for FY 2016 - 2018	12.000	PC-15-8-030	19,259
<u>Pass through Institute for International Ed</u>			
KU Project GO Center: Attaining Intercultural Understanding through Critical Language Learning for 21st Century Officers	12.357	2603-KU-10-GO-017PO3	157,137
Building Language Capacity to Meet National Security Needs: The University of Kansas Language Training Center	12.579	2603-KU-10-LTC-LT5-P	235,553
Building Language Capacity and Cultural Competency to Meet National Security Needs: The University of Kansas Language Training Center	12.579	2603-KU-10-LTC052P06	365,660
<u>Pass through University for International Ed</u>			
KU Project GO Center: Attaining Intercultural Understanding through Critical Language Learning for 21st Century Officers	12.357	2603-KU-10-GO-51-PO5	133,748
<u>U.S. Department of Energy</u>			
<u>Direct Award</u>			
Phenomenology of New Physics Beyond the Standard Model	81.000	623424	5,352
<u>U.S. Department of Interior</u>			
<u>Direct Award</u>			
Building Capacity for Milkweed/Monarch Habitat Restoration in Eastern Oklahoma	15.608	2007.15.050502	64,712
<u>U.S. Department of Justice</u>			
<u>Direct Award</u>			
Paul E. Wilson Defender Project	16.603	Agreement	
Paul E. Wilson Defender Project	16.603	DJBPO408RF530001	24,514
Paul E. Wilson Defender Project	16.000	DJBPO408NF530001A	1,090
Paul E. Wilson Defender Project	16.000	DJBPO408SF530001	39,631
<u>Pass through Kickapoo Tribe</u>			
Kickapoo CTAS #5 Violence Against Women Tribal Governments Program Evaluation	16.587	16946	32,856
<u>U.S. Department of Health and Human Services</u>			
<u>Direct Award</u>			
The Heartland Sexual Assault Policies & Prevention on Campuses Project	93.088	5 ASTWH160042-02-00	192,549
Training Researchers in Language Impairments	93.173	4T32DC000052-19	162,551
Kansas Program to Improve the Health of People with Mobility Limitations and Intellectual Disabilities	93.184	1 NU27DD000006-01-02	238,601
Campus Suicide Prevention at the University of Kansas	93.243	1U79SM062485-02	38,372
Kansas State Plan for Assistive Technology	93.464	90AG0052-01-00	193,540
Kansas State Plan for Assistive Technology	93.464	1601KSSGAT	197,868
Kansas University Center on Developmental Disabilities (KUCDD)	93.632	90DD0700-05-00	562,254
KAPP: Kansas Adoption Permanency Project	93.652	90CO1120-04-01	390,420
Health for All: Healthy Places that Promote Health Equity among Latinos in Kansas City, KS	93.738	6 NU58DP005806-03-01	621,795
MBRS IMSD Program at the University of Kansas	93.859	5R25GM062232-16REV	441,127
Pharmaceutical Aspects of Biotechnology Training	93.859	5T32TGM008359-27	346,639
The genetic and developmental basis of repeated phenotypic shifts in Penstemon	93.859	5F32GM110988-02	62,065
Training Grant in Dynamic Aspects of Chemical Biology	93.859	5T32GM008545-24	367,722

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500 Nations Bridge Collaboration: Haskell Indian Nations University / U of Kansas	93.859	5R25GM060182-14	\$ 184,320
The University of Kansas/Haskell Indian Nations University IRACDA Project	93.859	5K12GM063651-10	(1,486)
<u>Pass through Kansas Children's Cabinet and Trust Fund</u>			
Community Based Child Abuse Neglect and Prevention Program (CBCAP) Phase VII	93.669	Agreement	
<u>Pass through Kickapoo Tribe</u>			
Kickapoo Project LAUNCH	93.243	16676	(120,794)
Cooperative Agreements for Tribal Behavior Health (Native Connections)	93.243	16947	(28,092)
Cooperative Agreements for Tribal Behavior Health (Native Connections)	93.243	18178	49,889
Kickapoo Project LAUNCH	93.243	18183	425,891
Cooperative Agreements for Tribal Behavior Health (Native Connections)	93.243	18178	33,270
Kickapoo Tribe in Kansas Tribal CBCAP	93.590	19343	22,194
PPHF 2014: A Comprehensive Approach to Good Health and Wellness in Indian Country	93.762	17982	35,613
<u>Pass through KS Dept for Aging and Disability Service</u>			
CABHI-States	93.243	Agreement	169,777
CABHI-States	93.243	Agreement	111,672
CMH CBS - Title XIX - ROM FY 2016	93.778	Agreement	24,758
YCM - Title XIX - Children's Mental Health FY 2016	93.778	Agreement	26,355
<u>Pass through KS Dept for Children and Families</u>			
e.p.i.c.skillz project	93.558	OGC-2015-KUEPIC-01	15,879
Kansas Reading Road Map Evaluation	93.558	Agreement	165,379
e.p.i.c.skillz project	93.558	OGC-2015-KUEPIC-01	173,257
Kansas Quality Rating System Development	93.575	Agreement	17,682
Kansas Head Start State Collaboration Office Phase 2: Needs Assessment Summary Report and Strategic Planning	93.600	Agreement	(2,204)
Enhancing Communication, Access, and Partnerships through Needs Assessment and Strategic Planning	93.600	Agreement	18,699
<u>Pass through KS Dept of Health & Environment</u>			
KU-CPPR Kansas MIECHV Evaluation	93.505	34748	(744)
Equipment Exchange: Increasing Access to Durable Medical Equipment	93.778	KDHE2014-011	47,194
Assisting Medicaid Beneficiaries in Accessing Assistive Technology (ATK)	93.779	KDHE2014-010	31,331
Integrating Walking and Biking in Planning Processes for Kansas Small Cities and Counties	93.945	Agreement	6,836
<u>Pass through KS Dept of Health & Environmt</u>			
Kansas ECCS Impact Grant	93.110	PO # 47603	340,793
Kansas MIECHV Formula Fund	93.505	Agreement	116,717
Equipment Exchange: Increasing Access to Durable Medical Equipment	93.778	KDHE2014-11	240,452
Assisting Medicaid Beneficiaries in Accessing Assistive Technology (ATK)	93.779	KDHE2014-10	88,092
<u>Pass through Maine Dept of Health & Human Services</u>			
ROM Reports Service Model Yr 5	93.556	CFS-14-8402	9,975
<u>Pass through Nova Blue Ribbon Coalition for Youth</u>			
Novato Blue Ribbon Coalition for Youth Coalition Evaluation Plan	93.276	Agreement	8,282
<u>Pass through Oklahoma State Department of Health</u>			
Oklahoma MIECHV Innovations Grant : Empow ering Families to Use Adverse Childhood Experiences Research - an innovative approach to increase engagement & retention.	93.870		2,506
<u>Pass through Oregon Department of Human Services</u>			
Oregon ROM Reports System	93.658	133972-8	110,468
<u>Pass through State of Nebraska Dept. Health & Human S</u>			
Home Visiting Data Collection and Management - Nebraska 2015-2016	93.505	Agreement	9,321
Home Visiting Data Collection and Management - Nebraska 2015-2016	93.505	18911	122,179
<u>Pass through University of KS Med Ctr Research Institute</u>			
Rural Disparities in Pediatric Obesity: The iAmHealthy Intervention	93.361	ZAD00070	2,995
<u>Pass through University of Michigan</u>			
Evaluation of the QIC-ChildRep Training Program	93.652	3003459288	12,316
<u>Pass through University of Missouri - Kansas City</u>			
KC HealthTracks	93.137	0072487/00056342	70,659

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<u>National Aeronautics and Space Administration</u>			
<u>Direct Award</u>			
Intergovernmental Personnel Act (IPA) Agreement for Joseph Evans	27.011	IPA #0231	\$ 256,622
Intergovernmental Personnel Act (IPA) Agreement for Christopher Drahozal	27.011	Agreement	2,317
<u>National Endowment for the Arts</u>			
<u>Direct Award</u>			
Deep Time: Contemporary Asian Art	45.024	16-4400-7056	50,000
Performing Arts By, For and About People with Disabilities	45.024	16-5400-7145	40,000
Improvising Inclusive Communities with the Adaptive Use Musical Instrument	45.024	17-5400-7089	17,608
Big Botany: Conversations with the Plant World	45.024	17-4400-7045	1,330
Advancing Research Collaboration in the Humanities	45.130	CH-50951	425,000
Humanities Challenge Project II	45.130	CH-20811	500,000
Next Generation Careers for KU Humanities PhDs	45.130	ZA-250648-16	17,223
Native American and African American Educational Experiences in Kansas, 1830-1960	45.163	BH-250945-16	141,601
Ethical Boundaries of Community in Russian Literature and Beyond	45.163	AQ-248198	11,106
Teaching the "Long Hot Summer" of 1967 and Beyond	45.163	ES-250805-16	46,587
Black Book Interactive Project	45.169	HD-248607-16	34,895
Lasting Impressions: Updating Works on Paper Collection Storage at the Spencer Museum of Art	45.301	MA-30-15-0383-15	55,047
Civic Leader and Art Collector: Sallie Casey Thayer and an Art Museum for the University of Kansas	45.301	MA-10-16-0287-16	29,838
<u>Pass through American Library Association</u>			
500 Years Thinking Latin@ Americanidad:			
Guadalupe/Tonantzín and the Historical Search for Cultural Identity	45.164	LA104664	3,746
<u>National Science Foundation</u>			
<u>Direct Award</u>			
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	6,598
Collaborative research: Prairie Analysis Seminar 2015-2017	47.049	DMS-1519016	12,984
REU Site: A Summer Experience for Undergraduates Integrating Research, Education, and Career Development in an Interdisciplinary Environment	47.049	CHE-1560279	51,338
KUMUNU 2016	47.049	DMS-1645050	12,000
2017 Graduate Student Combinatorics Conference	47.049	DMS-1700464	11,985
CANSec: The Central Area Networking and Security Workshop	47.070	CNS-1602041	1,726
Enhancements to Internet and communication systems at the KU Field Station	47.074	DBI-1319170	290,324
Kansas City Research Data Center	47.075	SES-1359527	97,259
Graduate Research Fellowships	47.076	DGE-0907996	(112,333)
An Interdisciplinary Scholarship Program for Undergraduates in Renewable Energy	47.076	DUE-1060660	(14,852)
Graduate Research Fellowship Program	47.076	DGE-1451148	34,000
Graduate Research Fellowship Program	47.076	DGE-1540502	620,333
IGERT: C-CHANGE: Climate Change, Humans, and Nature in the Global Environment	47.076	DGE-0801522	(439)
IPA Agreement for Jun (Luke) Huan appointment at NSF	47.000	IIS-1624071-001	211,343
<u>Pass through Rochester Institute of Technology</u>			
Participant Support for the 2016 NSF CyberBridges Workshop	47.070	31704-02	11,233
<u>Pass through University of Houston</u>			
A Proposal to Support Graduate Student Attendance at the University of Houston EITM Summer Training Institute	47.075	R-15-0015	10,121
<u>Small Business Administration</u>			
<u>Pass through Fort Hays State University</u>			
University of Kansas Small Business Development Center	59.037	1613	32,925
University of Kansas Small Business Development Center	59.037	1713	22,954

See accompanying notes to schedule.

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2017

<u>Federal Grantor/Program Title</u>	<u>CFDA Number</u>	<u>Identifying Number</u>	<u>Amount</u>
<u>U.S. Department of State</u>			
<u>Direct Award</u>			
U.S. Institute on Women's Leadership: Women's Civic Leadership from the Heartland	19.001	S-ECAA-12-CA-053FA	\$ (1,973)
Study of the U.S. Institute of Student Leaders on Women's Leadership	19.009	S-ECA GD-13-CA-0112	23,269
FY 2016 Study of the U.S. Institute for Student Leaders on Women's Leadership	19.009	S-ECA GD-16-CA-1075	214,916
English Language and Teacher Education Program for Vietnamese English Teachers of Gifted Students	19.040	S-VM300-15-GR-151	(1,929)
<u>Pass through Institute for International Ed</u>			
Applied English Center 6-week English for Graduate Studies Program for Fulbright Foreign Students	19.400	3216 KU 3.15.2016	240,293
6-Week English for Graduate Studies Program for Fulbright Foreign Students (2017)	19.400	IIE0136 KU 3.15.2017	3,465
<u>U.S. Department of the Treasury</u>			
<u>Direct Award</u>			
VITA grant project	21.009	16VITA0165	442
VITA grant project	21.009	17VITA0282	19,699
<u>U.S. Department of Agriculture</u>			
<u>Direct Award</u>			
Natural Resources/Conservation-Seeding Production/Transplanting	10.000	AG-447U-P-15-0078	1,152
<u>Pass through KS Dept for Children and Families</u>			
Kansas Quality Rating System Development	10.596	Agreement	205,360
<u>Pass through KS Dept of Education</u>			
Child Nutrition and Wellness Summer Food Service Program	10.559	Agreement	7,461
Child Nutrition and Wellness Summer Food Service Program For Upward Bound	10.559	Agreement	6,869
Child Nutrition and Wellness Summer Food Service Program (HHLA)	10.559	Agreement	5,387
<u>Pass through KS Water Office</u>			
Limited Irrigation Crop Insurance/Water Conservation Area Calculator for Kansas	10.460	17-104	10,133
<u>U.S. Department of Transportation</u>			
<u>Pass through KS Dept of Transportation</u>			
Statewide Traffic Incident Management Program (TIM Program)	20.215	KA-4450-01-2-17	365
Technical Services for the Kansas Rural Transit Assistance Program	20.509	PT-0511-36	24,630
Technical Services for the Kansas Rural Transit Assistance Program	20.509	PT-0511-37	116,422
Transportation Safety Conferences 2013-2017	20.600	SA-0943-17	121,168
Biased-Based Policing Grant	20.611	RP-1911-17	97,544
<u>Pass through KS State University, SPA</u>			
Traffic Assistance Services for Kansas (TASK) Program	20.215	S16090	22,773
Traffic Assistance Services for Kansas (TASK) Program	20.215	S17054	7,973
<u>Veterans Administration</u>			
<u>Direct Award</u>			
VA Educational Therapy Program	64.000	VA255-15-C-0021	45,220
TOTAL EXPENDITURES OF FEDERAL AWARDS			\$ 112,633,911

See accompanying notes to schedule.

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2017

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

Program	CFDA Number	Amount Provided
Research & Development Cluster	Multiple	\$ 16,482,056
Building Capacity for Milkweed/Monarch Habitat Restoration In Eastern Oklahoma	15.608	26,475
Heartland College Assistance Migrant Program	84.149	201,589
Tiny K – Infant Toddler Assistive Technology Services	84.181	5,060
Center on Online Learning and Students with Disabilities	84.327	513,497
The Heartland Sexual Assault Policies & Preventative on Campuses Project	93.088	27,641
Kansas Program to Improve the Health of People with Mobility Limitations and Intellectual Disabilities	93.184	24,039
Kansas State Plan for Assistive Technology	93.464	127,877
KAPP: Kansas Adoption Permanency Project among Latinos	93.652	206,047
Kansas University Center on Developmental Disabilities (KUCDD)	93.632	117,708
Health for All: Healthy Places that Promote Health Equity in Kansas City, KS	93.738	137,494
Equipment Exchange: Increasing Access to Durable Medical Equipment	93.778	149,812
Assisting Medicaid Beneficiaries in Accessing Assistive Technology	93.779	<u>119,423</u>
		<u>\$ 18,138,718</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, 2017

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, 2017. 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 not 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, 2017.

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	\$ 10,656
	10.001	10,128
	10.025	77,809
	10.212	9,996
	10.310	232,631
	10.312	(31,167)
	10.460	10,133
	10.559	19,717
	10.596	460,593
	10.903	<u>10,823</u>
		811,319
U.S. Department of Commerce	11.303	133,598
	11.431	33,049
	11.619	<u>14,179</u>
		180,826
U.S. Department of Defense	12.000	2,160,168
	12.114	3,112
	12.300	936,402
	12.357	290,885
	12.420	<u>581,786</u>

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2017

NOTE 5 - SUBTOTALS BY FEDERAL AGENCY AND CFDA (Continued)

Department	CFDA Number	Amount
U.S. Department of Defense (Continued)	12.431	\$ 949,393
	12.556	29,932
	12.579	601,213
	12.630	237,760
	12.800	261,985
	12.901	26,203
	12.903	1,488
	12.910	<u>56,032</u>
		6,136,359
Department of Housing and Urban Development	14.000	21,303
U.S. Department of Interior	15.000	84,457
	15.608	64,712
	15.611	128,636
	15.634	(845)
	15.658	82,749
	15.805	25,717
	15.807	73,009
	15.808	50,601
	15.810	169,414
	15.814	65,990
	15.815	1,257
	15.819	7,002
	15.980	<u>22,015</u>
		774,714
U.S. Department of Justice	16.000	40,721
	16.560	(5,723)
	16.587	32,856
	16.588	1,490
	16.603	24,514
	16.745	<u>15,274</u>
U.S. Department of Labor	17.261	40,669
U.S. Department of State	19.001	(1,973)
	19.009	238,185
	19.040	(1,929)
	19.400	<u>243,758</u>
		478,041
U.S. Department of Transportation	20.000	125,372
	20.108	134,971
	20.109	50,136
	20.205	77,116
	20.215	278,377
	20.509	141,052
	20.600	121,168
	20.611	97,544
	20.701	<u>12,772</u>
U.S. Department of the Treasury	21.009	20,141

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2017

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

<u>Department</u>	<u>CFDA Number</u>	<u>Amount</u>
Library of Congress	42.000	\$ 44,027
National Aeronautics and Space Administration	27.011	258,939
	43.000	270,008
	43.001	2,787,458
	43.002	521,258
	43.008	<u>291,437</u>
		4,129,100
National Endowment for the Arts	45.024	108,938
	45.130	942,223
	45.160	50,565
	45.163	199,294
	45.164	59,001
	45.169	34,895
	45.301	84,885
	45.312	<u>1,485</u>
		1,481,286
National Science Foundation	47.000	211,343
	47.041	782,487
	47.049	5,145,295
	47.050	2,829,768
	47.070	1,066,492
	47.074	5,513,108
	47.075	837,692
	47.076	1,370,872
	47.078	184,961
	47.079	2,574,333
	47.080	33,989
	47.081	963,096
	47.082	(792)
	47.083	<u>444,726</u>
		21,957,370
Small Business Administration	59.037	55,879
Veterans Administration	64.000	45,220
Environmental Protection Agency	66.458	446
	66.461	78,626
	66.509	(17,995)
	66.516	<u>61</u>
		61,138
U.S. Department of Energy	81.000	613,961
	81.049	1,345,316
	81.089	2,083,753
	81.113	60,000
	81.135	<u>100,449</u>
		4,203,479

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2017

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

Department	CFDA Number	Amount
U.S. Department of Education	84.000	\$ 106,944
	84.015	731,177
	84.027	797,371
	84.042	537,943
	84.044	458,089
	84.047	958,454
	84.066	394,380
	84.116	5,252,640
	84.133	(55,308)
	84.149	418,911
	84.181	483,331
	84.217	277,204
	84.287	285,053
	84.305	365,822
	84.323	622,204
	84.324	2,864,975
	84.325	2,115,964
	84.326	6,028,582
	84.327	1,887,144
	84.334	1,447,233
	84.351	281,154
	84.365	87,120
	84.366	14,869
	84.367	4,674
	84.368	1,682,760
	84.369	58,144
	84.373	117
	84.378	3,440
84.407	245,489	
84.411	91,921	
84.418	<u>44,841</u>	
	28,492,642	
U.S. Department of Health and Human Services	93.000	2,823,968
	93.087	770,755
	93.088	192,549
	93.103	199,065
	93.110	847,632
	93.121	637,270
	93.136	111,265
	93.137	70,659
	93.173	2,279,647
	93.184	238,601
	93.242	831,653
	93.243	1,260,259
	93.276	8,282
	93.279	690,361
	93.286	288,532
	93.310	167,327
	93.331	13,258
93.351	642,186	
93.361	87,626	
93.393	325,157	

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2017

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

Department	CFDA Number	Amount
U.S. Department of Health and Human Services (Continued)	93.394	\$ 441,294
	93.395	1,936,992
	93.396	5,466
	93.397	95,122
	93.398	22,158
	93.424	2,947
	93.433	1,948,234
	93.464	391,408
	93.505	848,365
	93.556	9,975
	93.558	354,515
	93.575	17,682
	93.590	219,301
	93.600	187,314
	93.615	40,156
	93.632	562,254
	93.647	4,906
	93.648	763,590
	93.652	402,736
	93.658	110,468
	93.670	142,099
	93.701	391
	93.738	621,795
	93.757	30,135
	93.762	35,613
	93.778	504,557
	93.779	119,423
	93.789	(93)
	93.837	571,623
	93.846	75,005
	93.847	571,815
	93.853	1,524,046
	93.855	3,226,673
	93.859	10,342,798
	93.865	2,052,989
	93.866	1,085,633
	93.867	94,783
	93.870	64,162
	93.926	94,719
	93.945	<u>6,836</u>
		42,015,857
Corporation for National and Community Service	94.021	18,178
U.S. Department of Homeland Security	97.000	47,615
	97.043	18,521
	97.044	<u>452,507</u>
		<u>518,643</u>
TOTAL		\$ <u>112,633,911</u>

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, 2017, 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 27, 2017.

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.

(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 27, 2017

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, 2017. 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, 2017.

(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

Indianapolis, Indiana
September 27, 2017

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
SCHEDULE OF FINDINGS AND QUESTIONED COSTS
For the year ended June 30, 2017

Financial Statements

Type of auditor's report issued: Unmodified

Internal control over financial reporting:

Material weakness(es) identified? Yes No

Significant deficiencies identified not considered to be material weaknesses? Yes None Reported

Noncompliance material to financial statements noted? Yes No

Federal Awards

Internal Control over major programs:

Material weakness(es) identified? Yes No

Significant deficiencies identified not considered to be material weaknesses? Yes 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 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? 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

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
SCHEDULE OF PRIOR YEAR FINDINGS AND QUESTIONED COSTS
For the year ended June 30, 2017

There were no findings for the year ended June 30, 2016.