

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

FINANCIAL STATEMENTS
June 30, 2023 and 2022

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

FINANCIAL STATEMENTS
June 30, 2023 and 2022

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INDEPENDENT AUDITOR'S REPORT

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

Report on the Audit of the Financial Statements***Opinion***

We have audited the financial statements of University of Kansas Center for Research, Inc., a component unit of the University of Kansas, which comprise the statements of financial position as of June 30, 2023 and 2022, and the related statements of activities, and cash flows for the years then ended, and the related notes to the financial statements.

In our opinion, the accompanying financial statements present fairly, in all material respects, the financial position of University of Kansas Center for Research, Inc. as of June 30, 2023 and 2022, 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.

Basis for Opinion

We conducted our audits in accordance with auditing standards generally accepted in the United States of America (GAAS) and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of University of Kansas Center for Research, Inc. and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for 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.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about University of Kansas Center for Research, Inc.'s ability to continue as a going concern for one year from the date the financial statements are available to be issued.

(Continued)

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS and *Government Auditing Standards* will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with GAAS and *Government Auditing Standards*, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit 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 University of Kansas Center for Research, Inc.'s internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about University of Kansas Center for Research, Inc.'s ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control–related matters that we identified during the audit.

Supplementary Information

Our audits were 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 purposes of additional analysis and is not a required part of the financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in the 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 information is fairly stated, in all material respects, in relation to the financial statements as a whole.

(Continued)

Other Reporting Required by *Government Auditing Standards*

In accordance with *Government Auditing Standards*, we have also issued our report dated September 28, 2023 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 solely 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 the effectiveness of the Center's 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 Center's internal control over financial reporting and compliance.


Crowe LLP

Indianapolis, Indiana
September 28, 2023

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
STATEMENTS OF FINANCIAL POSITION
June 30, 2023 and 2022

	<u>2023</u>	<u>2022</u>
Assets		
Current assets		
Cash and cash equivalents	\$ 27,542,122	\$ 27,914,487
Current investments	85,852,550	82,420,084
Accounts receivable, net	30,225,151	26,091,733
Note receivable, net – current	109,466	105,003
Prepaid expenses	<u>307,406</u>	<u>149,962</u>
Total current assets	144,036,695	136,681,269
Non-current assets		
Property and equipment, net	17,725,614	16,301,887
Buildings and equipment in progress	<u>1,052,353</u>	<u>807,739</u>
Total property and equipment, net	18,777,967	17,109,626
Right of use asset	4,926,497	5,605,198
Long-term investments	8,800,557	8,931,862
Note receivable, net	<u>394,200</u>	<u>450,072</u>
Total non-current assets	<u>32,899,221</u>	<u>32,096,758</u>
Total assets	<u>\$ 176,935,916</u>	<u>\$ 168,778,027</u>
Liabilities and net assets		
Current liabilities		
Accounts payable and accrued expenses	\$ 11,383,907	\$ 14,450,278
Bonds payable, net – current	982,753	943,917
Notes payable – current	2,819,358	4,044,692
Lease liabilities, current portion	600,354	675,953
Assets held for others	8,418,287	8,032,365
Deferred revenues – sponsored research	<u>12,678,718</u>	<u>8,056,735</u>
Total current liabilities	36,883,377	36,203,940
Non-current liabilities:		
Bonds payable, net	4,049,984	5,008,467
Notes payable, net	-	2,819,358
Lease liabilities	<u>4,553,683</u>	<u>5,153,431</u>
Total non-current liabilities	<u>8,603,667</u>	<u>12,981,256</u>
Total liabilities	<u>45,487,044</u>	<u>49,185,196</u>
Net assets		
Without donor restrictions	122,803,280	110,742,688
With donor restrictions	<u>8,645,592</u>	<u>8,850,143</u>
Total net assets	<u>131,448,872</u>	<u>119,592,831</u>
Total liabilities and net assets	<u>\$ 176,935,916</u>	<u>\$ 168,778,027</u>

See accompanying notes to financial statements.

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
STATEMENT OF ACTIVITIES
Year ended June 30, 2023

	Without Donor Restrictions	With Donor Restrictions	Total
Revenues, gains, and other support			
Direct research income	\$ 140,091,388	\$ -	\$ 140,091,388
Facilities & administrative (F&A) revenue	<u>32,106,212</u>	<u>-</u>	<u>32,106,212</u>
	<u>172,197,600</u>	<u>-</u>	<u>172,197,600</u>
Service centers	13,844,480	-	13,844,480
Royalties	370,525	-	370,525
Investment returns, net	4,146,484	75,604	4,222,088
Other income	1,925,637	-	1,925,637
Net assets released from restriction	<u>280,155</u>	<u>(280,155)</u>	<u>-</u>
	<u>20,567,281</u>	<u>(204,551)</u>	<u>20,362,730</u>
Total revenues, gains, and other support	<u>192,764,881</u>	<u>(204,551)</u>	<u>192,560,330</u>
Expenses			
Program services			
Direct research expenses	140,865,733	-	140,865,733
Capitalized expenses for property and equipment	<u>(2,983,335)</u>	<u>-</u>	<u>(2,983,335)</u>
	<u>137,882,398</u>	<u>-</u>	<u>137,882,398</u>
Research unit/school expenses	4,704,198	-	4,704,198
Service centers	16,995,467	-	16,995,467
Other programs services	1,966,147	-	1,966,147
Interest expense	<u>214,754</u>	<u>-</u>	<u>214,754</u>
Total program services	<u>161,762,964</u>	<u>-</u>	<u>161,762,964</u>
Supporting services:			
University support	825,212	-	825,212
Research administration and unit support	14,974,695	-	14,974,695
Matching costs	<u>1,383,724</u>	<u>-</u>	<u>1,383,724</u>
Total supporting services	<u>17,183,631</u>	<u>-</u>	<u>17,183,631</u>
Total expenses	<u>178,946,595</u>	<u>-</u>	<u>178,946,595</u>
Change in net assets before transfers	13,818,286	(204,551)	13,613,735
Transfers to University	<u>(1,757,694)</u>	<u>-</u>	<u>(1,757,694)</u>
Change in net assets	12,060,592	(204,551)	11,856,041
Net assets, beginning of year	<u>110,742,688</u>	<u>8,850,143</u>	<u>119,592,831</u>
Net assets, end of year	<u>\$ 122,803,280</u>	<u>\$ 8,645,592</u>	<u>\$ 131,448,872</u>

See accompanying notes to financial statements.

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
STATEMENT OF ACTIVITIES
Year ended June 30, 2022

	Without Donor Restrictions	With Donor Restrictions	Total
Revenues, gains, and other support			
Direct research income	\$ 124,022,215	\$ -	\$ 124,022,215
Facilities & administrative (F&A) revenue	<u>27,393,176</u>	<u>-</u>	<u>27,393,176</u>
	<u>151,415,391</u>	<u>-</u>	<u>151,415,391</u>
Service centers	13,702,309	-	13,702,309
Royalties	977,907	-	977,907
Investment returns (loss), net	(11,220,186)	322,945	(10,897,241)
Other income	2,021,921	-	2,021,921
Net assets released from restriction	<u>289,608</u>	<u>(289,608)</u>	<u>-</u>
	<u>5,771,559</u>	<u>33,337</u>	<u>5,804,896</u>
Total revenues, gains, and other support	<u>157,186,950</u>	<u>33,337</u>	<u>157,220,287</u>
Expenses			
Program services			
Direct research expenses	124,801,615	-	124,801,615
Capitalized expenses for property and equipment	<u>(2,974,350)</u>	<u>-</u>	<u>(2,974,350)</u>
	<u>121,827,265</u>	<u>-</u>	<u>121,827,265</u>
Research unit/school expenses	4,209,078	-	4,209,078
Service centers	16,533,761	-	16,533,761
Other programs services	3,103,674	-	3,103,674
Interest expense	<u>312,253</u>	<u>-</u>	<u>312,253</u>
Total program services	<u>145,986,031</u>	<u>-</u>	<u>145,986,031</u>
Supporting services			
University support	1,095,639	-	1,095,639
Research administration and unit support	13,526,696	-	13,526,696
Matching costs	<u>745,353</u>	<u>-</u>	<u>745,353</u>
Total supporting services	<u>15,367,688</u>	<u>-</u>	<u>15,367,688</u>
Total expenses	<u>161,353,719</u>	<u>-</u>	<u>161,353,719</u>
Change in net assets before transfers	(4,166,769)	33,337	(4,133,432)
Transfers to University	<u>(699,616)</u>	<u>-</u>	<u>(699,616)</u>
Change in net assets	(4,866,385)	33,337	(4,833,048)
Net assets, beginning of year	<u>115,609,073</u>	<u>8,816,806</u>	<u>124,425,879</u>
Net assets, end of year	<u>\$ 110,742,688</u>	<u>\$ 8,850,143</u>	<u>\$ 119,592,831</u>

See accompanying notes to financial statements.

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
STATEMENTS OF CASH FLOWS
Years ended June 30, 2023 and 2022

	<u>2023</u>	<u>2022</u>
Cash flows from operating activities		
Cash received for research contracts, grants and service accounts and unit support	\$ 173,072,087	\$ 146,483,742
Royalties received	370,525	977,907
Interest received	2,280,012	1,944,398
Payments to suppliers and University	(179,986,739)	(155,261,289)
Interest paid	(461,561)	(916,454)
Other operating receipts	15,770,117	15,724,230
Net cash from operating activities	<u>11,044,441</u>	<u>8,952,534</u>
Cash flows from investing activities		
Purchase of property and equipment	(5,382,237)	(5,560,362)
Purchase of investments	(2,577,487)	(10,265,851)
Proceeds from sales and maturities of investments	1,263,409	2,097,176
Collection of notes receivable	51,409	49,315
Net cash from investing activities	<u>(6,644,906)</u>	<u>(13,679,722)</u>
Cash flows from financing activities		
Principal payments on note payable	(3,851,900)	(3,666,823)
Principal payments on bonds	(920,000)	(890,000)
Net cash from financing activities	<u>(4,771,900)</u>	<u>(4,556,823)</u>
(Decrease) increase in cash and cash equivalents	(372,365)	(9,284,011)
Cash and cash equivalents, beginning of year	<u>27,914,487</u>	<u>37,198,498</u>
Cash and cash equivalents, end of year	<u>\$ 27,542,122</u>	<u>\$ 27,914,487</u>
Reconciliation of change in net assets to net cash provided by operating activities		
Change in net assets	\$ 11,856,041	\$ (4,833,048)
Adjustments to reconcile change in net assets to net cash provided by operating activities		
Depreciation	3,787,405	3,662,831
Amortization	(192,439)	(291,948)
Loss on disposal of property and equipment	73,509	93,643
Realized and unrealized (gain) loss on investments	(1,942,076)	12,841,639
Transfer of assets to University of Kansas	1,757,694	699,616
Changes in		
Accounts receivable, net	(4,133,418)	(2,945,454)
Prepaid expenses	(157,444)	(64,386)
Accounts payable and accrued expenses, less transfers	(5,012,736)	1,775,835
Assets held for others	385,922	(1,838,420)
Deferred revenues – research	4,621,983	(147,774)
Net cash provided by operating activities	<u>\$ 11,044,441</u>	<u>\$ 8,952,534</u>

See accompanying notes to financial statements.

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO FINANCIAL STATEMENTS
June 30, 2023 and 2022

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, 2023 and 2022, 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, 2023 and 2022.

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

Net assets without donor restrictions are free of donor-imposed restrictions and includes resources available to be used in support of the Center's general operations.

Net assets with donor restrictions includes both resources that have been received 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, and net assets with donor restrictions 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. See Notes 9 and 10.

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO FINANCIAL STATEMENTS
June 30, 2023 and 2022

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Revenue Recognition: The Center receives sponsored program funding, recognized as direct research income, from various governmental and corporate sources. The funding may represent a reciprocal transaction in exchange for an equivalent benefit in return, or it may be a nonreciprocal transaction in which the resources provided are for the benefit of the Center, the University, or the public at large.

Direct research income consisted of the following as of June 30:

	<u>2023</u>	<u>2022</u>
Non-Exchange	\$ 98,615,511	\$ 90,429,932
Exchange	<u>41,475,877</u>	<u>33,592,283</u>
	<u>\$ 140,091,388</u>	<u>\$ 124,022,215</u>

Approximately 63% and 66% of all grant revenues was received from three grantors (federal agencies) in the form of direct awards during the years ended June 30, 2023 and 2022, respectively.

Non-exchange support funded by grants is recognized as the Center reaches agreed milestones or incurs outlays eligible for reimbursement under the grant agreements. 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. 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.

Revenues from non-exchange transactions may be subject to conditions, in the form of both a barrier to entitlement and a refund of amounts paid (or a release from obligation to make future payments). Revenues from conditional non-exchange transactions are recognized when the barrier is satisfied. In addition, the Center has elected the simultaneous release option for conditional non-exchange transactions that are also subject to purpose restriction. Under this option, net assets without donor restrictions will include the revenues from these transactions in the same reporting period as the revenue is recognized.

As of June 30, 2023, the Center had approximately \$500 million of conditional funding available from granting agencies over the next five years, which will be earned as milestones are met or qualified expenses are incurred.

Facilities and administrative (F&A) reimbursement revenues are earned as a percentage of direct costs charged to sponsored projects. The percentage is based on negotiated rates and is included in each award budget.

Revenue from exchange transactions is recognized as the Center performs the contracted services.

Service Center revenues represent reciprocal transactions in exchange for an equivalent benefit and are thus recognized as an exchange transaction with revenue recognized as services are performed. Payment for these services is due within 30 days of billing and the Center reserves the right to suspend services in the event that billings for such services are not paid timely and neither the Center nor the University are liable for any resulting loss, damage or expense connected with such suspension. Service Center agreements may be terminated in whole or in part for any reason by either the Center or the customer upon 30 days' written notice to the other party.

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

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO FINANCIAL STATEMENTS
June 30, 2023 and 2022

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

The composition of accounts receivable at June 30, 2023 and 2022 are as follows:

	<u>2023</u>	<u>2022</u>
Accounts receivable:		
Federal	\$ 19,760,303	\$ 16,513,450
State	4,722,706	3,937,555
Other	<u>7,103,163</u>	<u>7,232,614</u>
	31,586,172	27,683,619
Allowance for doubtful accounts	<u>(1,361,021)</u>	<u>(1,591,886)</u>
Total accounts receivable, net	<u>\$ 30,225,151</u>	<u>\$ 26,091,733</u>

Revenues received for research projects are received either in advance of costs being incurred or on a cost-reimbursement basis. Amounts received for sponsored research in advance of revenue recognition being met are deferred. The activity and balance for deferred revenue from sponsored research are as follows:

	<u>Federal</u>	<u>State</u>	<u>Other</u>	<u>Total</u>
Balance as of June 30, 2021	\$ 932,051	\$ 1,914,569	\$ 5,357,889	\$ 8,204,509
Revenue recognized	(932,051)	(1,914,569)	(5,357,889)	(8,204,509)
Payments received for future performance obligations	<u>866,990</u>	<u>1,660,507</u>	<u>5,529,238</u>	<u>8,056,735</u>
Balance as of June 30, 2022	866,990	1,660,507	5,529,238	8,056,735
Revenue recognized	(866,990)	(1,660,507)	(5,529,238)	(8,056,735)
Payments received for future performance obligations	<u>1,073,147</u>	<u>1,848,487</u>	<u>9,757,084</u>	<u>12,678,718</u>
Balance as of June 30, 2023	<u>\$ 1,073,147</u>	<u>\$ 1,848,487</u>	<u>\$ 9,757,084</u>	<u>\$ 12,678,718</u>

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

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

The Center does not expect the total amount of unrecorded tax benefits to significantly change in the next 12 months. The Center recognizes interest and/or penalties related to income tax matters in income tax expense. The Center did not have any amounts accrued for interest and penalties at June 30, 2023 and 2022. At June 30, 2023 and June 30, 2022, the Center has not recorded any expected tax benefits.

(Continued)

NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (Continued)

Right of Use Assets and Lease Liabilities: Right of use ("ROU") assets represent the Center's right to use the underlying assets for the lease term and lease liabilities represent the net present value of the Center's obligation to make payments arising from these leases. The lease liabilities are based on the present value of fixed lease payments over the lease term using the implicit lease interest rate or, when unknown, the Center's incremental borrowing rate on the lease commencement date or July 1, 2020 for leases that commenced prior to that date. If the lease includes one or more options to extend the term of the lease, the renewal option is considered in the lease term if it is reasonably certain the Center will exercise the options. Operating lease expense is recognized on a straight-line basis over the term of the lease. As permitted by Topic 842, leases with an initial term of twelve months or less ("short-term leases") are not recorded on the accompanying balance sheet.

The Center has lease agreements with lease and non-lease components, which are accounted for as a single lease component under the practical expedient provisions of the standard. The Center has lease agreements with terms less than one year. For the qualifying short-term leases, the Center elected the short-term lease recognition exemption in which the Center will not recognize ROU assets or lease liabilities, including the ROU assets or lease liabilities for existing short-term leases of those assets in upon adoption.

Variable lease payments consist primarily of common area maintenance, utilities, and taxes, which are not included in the recognition of ROU assets and related lease liabilities. Variable lease payments and short-term lease expenses were immaterial to the Center's financial statements for the years ended June 30, 2023 and 2022. The Center's lease agreements do not contain material restrictive covenants. The Center is required to make annual rent payments based on the lease agreements. Additionally, the Center used one incremental borrowing rate of 1.898% on all its leases.

Reclassifications: Certain prior year amounts may have been reclassified to conform to the current year presentation, with no effect on the change in net assets.

Subsequent Events: Management has performed an analysis of the activities and transactions subsequent to June 30, 2023, to determine the need for any adjustments or disclosures to the financial statements for the year ended June 30, 2023. Management has performed their analysis through September 28, 2023, 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.

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, 2023 and 2022

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 Unites States treasury bills, mutual funds, and money market funds.

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 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's investments consisted of the following:

	June 30, 2023		
	<u>Fair Value</u>	<u>Level 1</u>	<u>NAV</u>
Unites States treasury bills	\$ 31,198	\$ 31,198	\$ -
Mutual funds:			
Domestic equity funds	22,430,527	22,430,527	-
Domestic bond funds	29,131,031	29,131,031	-
Domestic real estate funds	8,420,695	8,420,695	-
International equity funds	14,083,815	14,083,815	-
International bond funds	7,798,450	7,798,450	-
International real estate funds	3,912,293	3,912,293	-
Money market funds	44,541	44,541	-
Common Stock	154,965	-	154,965
Investments held by KU Endowment	<u>8,645,592</u>	<u>-</u>	<u>8,645,592</u>
	<u>\$ 94,653,107</u>	<u>\$ 85,852,550</u>	<u>\$ 8,800,557</u>

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO FINANCIAL STATEMENTS
June 30, 2023 and 2022

NOTE 2 – INVESTMENTS (Continued)

	June 30, 2022		
	<u>Fair Value</u>	<u>Level 1</u>	<u>NAV</u>
Unites States treasury bills	\$ 34,725	\$ 34,725	\$ -
Mutual funds:			
Domestic equity funds	20,384,824	20,384,824	-
Domestic bond funds	28,763,285	28,763,285	-
Domestic real estate funds	8,439,341	8,439,341	-
International equity funds	13,104,832	13,104,832	-
International bond funds	7,621,313	7,621,313	-
International real estate funds	4,010,898	4,010,898	-
Money market funds	60,866	60,866	-
Common Stock	80,000	-	80,000
Investments held by KU Endowment	<u>8,851,862</u>	<u>-</u>	<u>8,851,862</u>
	<u>\$ 91,351,946</u>	<u>\$ 82,420,084</u>	<u>\$ 8,931,862</u>

Total investment return (loss) is comprised of the following:

	<u>2023</u>	<u>2022</u>
Interest and dividend income, net	\$ 2,280,012	\$ 1,944,398
Realized gain	1,069,510	1,807,211
Unrealized gain/(loss)	<u>872,566</u>	<u>(14,648,850)</u>
	<u>\$ 4,222,088</u>	<u>\$ (10,897,241)</u>

NOTE 3 - NOTE 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 had an original maturity date of June 21, 2020. However, during the year ended June 30, 2020, the Center extended the maturity of the note to June 21, 2030, requiring 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 2030) and by an assignment of rent from all tenants of the facility.

Note is recorded at the unpaid principal balance. Management believes the remaining 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 note receivable is as follows:

	<u>June 30, 2022</u>	<u>Additions</u>	<u>Repayments</u>	<u>June 30, 2023</u>	<u>Current Portion</u>
BTBC note	\$ 555,075	\$ -	\$ 51,409	\$ 503,666	\$ 109,466

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO FINANCIAL STATEMENTS
June 30, 2023 and 2022

NOTE 3 - NOTE RECEIVABLE (Continued)

Future repayment activity for the notes is as follows:

<u>Year Ending June 30</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2024	\$ 109,466	\$ 40,534	\$ 150,000
2025	58,246	16,754	75,000
2026	60,722	14,278	75,000
2027	63,303	11,697	75,000
2028	65,993	9,007	75,000
Thereafter	<u>145,936</u>	<u>9,481</u>	<u>155,417</u>
	<u>\$ 503,666</u>	<u>\$ 101,751</u>	<u>\$ 605,417</u>

In April 2021, as part of BTBC obtaining an unrelated, third-party bank loan to construct an additional phase of its facility, KUCR entered into an agreement with BTBC, structured as a “springing” or contingent lease, whereby KUCR agrees to lease a certain portion of BTBC’s facility if BTBC is unable to achieve sufficient occupancy or to meet associated financial covenants. KUCR has assessed the likelihood of performing under this stand ready provision as remote and as such has not accrued a liability for this commitment as of June 30, 2023 and 2022.

NOTE 4 - PROPERTY AND EQUIPMENT

Property and equipment consisted of:

	<u>July 1, 2022</u>	<u>Increases</u>	<u>Decreases</u>	<u>June 30, 2023</u>
Land	\$ 808,808	\$ -	\$ -	\$ 808,808
Building	1,916,236	-	-	1,916,236
Office and scientific equipment	<u>73,191,002</u>	<u>5,615,670</u>	<u>2,730,758</u>	<u>76,075,914</u>
	75,916,046	5,615,670	2,730,758	78,800,958
Less accumulated depreciation	<u>59,614,159</u>	<u>3,787,405</u>	<u>2,326,220</u>	<u>61,075,344</u>
	16,301,887	1,828,265	404,538	17,725,614
Buildings and equipment in progress	<u>807,739</u>	<u>468,343</u>	<u>223,729</u>	<u>1,052,353</u>
Total property and equipment, net	<u>\$ 17,109,626</u>	<u>\$ 2,296,608</u>	<u>\$ 628,267</u>	<u>\$ 18,777,967</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 were \$1,757,694 and \$699,616 during the years ended June 30, 2023 and 2022, respectively.

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO FINANCIAL STATEMENTS
June 30, 2023 and 2022

NOTE 5 - ASSETS HELD FOR OTHERS

The Center has entered into an agreement with another community-based organization to administer the Assistive Technology for Kansans 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, 2023 and 2022, these amounts totaled \$8,418,287 and \$8,032,365, respectively.

NOTE 6 - BONDS PAYABLE

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

	<u>July 1, 2022</u>	<u>Additions</u>	<u>Retirements</u>	<u>June 30, 2023</u>	<u>Current Portion</u>
Revenue bond:					
Series 2014E	<u>\$ 5,915,000</u>	<u>-</u>	<u>(920,000)</u>	<u>4,995,000</u>	<u>950,000</u>
	5,915,000	-	(920,000)	4,995,000	950,000
Bond premiums	101,381	-	(21,515)	79,866	32,753
Bond issuance costs	<u>(63,997)</u>	<u>-</u>	<u>21,868</u>	<u>(42,129)</u>	<u>-</u>
Total	<u>\$ 5,952,384</u>	<u>\$ -</u>	<u>\$ (919,647)</u>	<u>\$ 5,032,737</u>	<u>\$ 982,753</u>

Long-term debt is comprised of the following:

<u>Revenue Bond</u>	<u>Balance at June 30, 2023</u>	<u>Balance at June 30, 2022</u>
\$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 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 \$10,560,000 of the 2006G Kansas Development Finance Authority Tax-Exempt Revenue Bonds which were originally used to finance the construction of the Structural Biology Center Phase III building.	<u>4,995,000</u>	<u>5,915,000</u>
	<u>\$ 4,995,000</u>	<u>\$ 5,915,000</u>

In accordance with University policy, the capitalized costs of facilities financed by the bond have been previously transferred to and are reported on University's financial statements. These facilities include the Structural Biology Center Phase III building which was financed by 2014E. At June 30, 2023 and 2022, the net book value of this facility was approximately \$7.9 million and \$8.6 million, respectively.

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO FINANCIAL STATEMENTS
June 30, 2023 and 2022

NOTE 6 - BONDS PAYABLE (Continued)

Future revenue bond debt service requirements at June 30, 2023 are as follows:

<u>Year Ending June 30</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2024	\$ 950,000	\$ 149,850	\$ 1,099,850
2025	<u>4,045,000</u>	<u>121,350</u>	<u>4,166,350</u>
	<u>\$ 4,995,000</u>	<u>\$ 271,200</u>	<u>\$ 5,266,200</u>

The Series 2014 Bond is secured by loan agreements with the Kansas Development Finance Authority. The bond agreement contains various restrictive covenants. The Center is subject to limitations on additional indebtedness under the agreements. At June 30, 2023, the Center reported compliance with these covenants.

Interest expense, net of amortization, related to all bonds payable for the years ended June 30, 2023 and 2022, was \$177,450 and \$169,500, respectively.

NOTE 7 - NOTES PAYABLE

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

	<u>July 1, 2022</u>	<u>Additions</u>	<u>Retirements</u>	<u>June 30, 2023</u>	<u>Current Portion</u>
KU Endowment	\$ 1,256,900	\$ -	\$ (1,256,900)	\$ -	\$ -
Series 2012E Refunding	<u>5,320,000</u>	<u>-</u>	<u>(2,595,000)</u>	<u>2,725,000</u>	<u>2,725,000</u>
	6,576,900	-	(3,851,900)	2,725,000	2,725,000
Premium	<u>287,150</u>	<u>-</u>	<u>(192,792)</u>	<u>94,358</u>	<u>94,358</u>
Total	<u>\$ 6,864,050</u>	<u>\$ -</u>	<u>\$ (4,044,692)</u>	<u>\$ 2,819,358</u>	<u>\$ 2,819,358</u>

During the year ended June 30, 2018, the Center entered into a loan agreement with the KU Endowment for a principal sum of \$7,124,684. The note bears interest at 3% and requires minimum annual payments of \$1,555,707 until repaid. The loan was paid in full in 2023. Interest expense related to this note for the years ended June 30, 2023 and 2022 was \$46,948 and \$89,892, respectively.

During the year ended June 30, 2020, the Center entered into a loan agreement with the University related to the refunding of the Series 2012E bonds originally used to finance the construction of the Multidisciplinary Research building for a principal sum of \$10,145,000. The note bears interest at 5.0% and matures in May of 2024.

Future repayment activity for the Series 2012E refinancing note is as follows:

<u>Year Ending June 30</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2024	\$ 2,725,000	\$ 68,125	\$ 2,793,125
	<u>\$ 2,725,000</u>	<u>\$ 68,125</u>	<u>\$ 2,793,125</u>

Interest expense related to this note for the years ended June 30, 2023 and 2022 was \$9,981 and \$45,608, respectively.

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO FINANCIAL STATEMENTS
June 30, 2023 and 2022

NOTE 8 - 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, 2023 and 2022 was as follows:

	<u>2023</u>	<u>2022</u>
<u>University Activity (Unaudited)</u>		
University Research Expenditures	\$ 15,870,862	\$ 11,301,159
University Indirect Cost	<u>3,925,952</u>	<u>2,490,025</u>
Total University Activity (Unaudited)	19,796,814	13,791,184
<u>Center for Research Expenditures</u>		
Center for Research Expenditures	138,595,127	123,473,261
CARES Act Grant Expenditures	2,270,606	1,328,354
Center Indirect Cost	<u>32,106,213</u>	<u>27,393,176</u>
Total Center for Research Expenditures	<u>172,971,946</u>	<u>152,194,791</u>
 Total Sponsored Expenditures – University and Center (unaudited)	 <u>\$ 192,768,760</u>	 <u>\$ 165,985,975</u>

NOTE 9 - NET ASSETS

Net assets with donor restrictions at June 30 are restricted for the following purposes:

	<u>2023</u>	<u>2022</u>
Dole Institute	\$ 7,200,507	\$ 7,382,692
Humanities	<u>1,445,085</u>	<u>1,467,451</u>
	<u>\$ 8,645,592</u>	<u>\$ 8,850,143</u>

The income generated from these 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>2023</u>	<u>2022</u>
Dole Institute	\$ 244,522	\$ 233,265
Humanities	<u>35,633</u>	<u>56,343</u>
	<u>\$ 280,155</u>	<u>\$ 289,608</u>

NOTE 10 - ENDOWMENTS

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

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO FINANCIAL STATEMENTS
June 30, 2023 and 2022

NOTE 10 - ENDOWMENTS

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 net assets with donor restrictions to be kept in perpetuity as the original value of grants and gifts donated to the permanent endowment, (b) the original value of subsequent gifts to the permanent endowment and (c) accumulations to the permanent endowment made in accordance with the direction of the applicable donor gift instrument at the time the accumulation is added to the fund.

The remaining portion of donor-restricted endowment funds is classified as net assets with donor restrictions not to be retained in perpetuity 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

As of June 30, 2023 and 2022, the original corpus value of the endowment was \$5,995,806. The changes in donor-restricted endowment net assets for the years ended June 30, 2023 and 2022 were:

Endowment net assets, June 30, 2021	\$ 8,816,806
Investment return, net	322,945
Amounts appropriated for expenditure	<u>(289,608)</u>
Endowment net assets, June 30, 2022	8,850,143
Investment return, net	75,604
Amounts appropriated for expenditure	<u>(280,155)</u>
Endowment net assets, June 30, 2023	<u>\$ 8,645,592</u>

The Center has invested the above endowments in pooled funds held and managed by the 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, 2023 and 2022

NOTE 10 – 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, 2023 and 2022.

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 30 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 11 - RELATED PARTY TRANSACTIONS

During the years ended June 30, 2023 and 2022, amounts paid by the University (and reimbursed by the Center) for salaries, benefits, scholarships, fellowships, tuition, and other operating expenses amounted to \$125,740,180 and \$110,381,080, respectively. Of these amounts, \$7,925,789 and \$11,422,698 are included in accounts payable and accrued expenses at June 30, 2023 and 2022, respectively.

Grants administered by the Office of Research, an administrative division of the University, have contracts/financial activity in the name of the University. When KUCR service center activity is being paid by the University, KUCR bills the University for the services. Receivables from the University in the amounts of \$3,053,132 and \$3,851,609 are included in accounts receivable at June 30, 2023 and 2022, 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, 2023 and 2022:

	<u>2023</u>	<u>2022</u>
Provost funding:		
Salaries and benefits	\$ 3,342,267	\$ 3,233,466
Utilities	70,107	62,239
Maintenance	28,941	67,198
Custodial	<u>41,743</u>	<u>31,906</u>
	<u>\$ 3,858,778</u>	<u>\$ 3,394,809</u>

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO FINANCIAL STATEMENTS
June 30, 2023 and 2022

NOTE 11 - 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% of eligible payroll as of June 30, 2023 and 2022.

The Center provided support to KU Endowment for departmental benefit in funding research, graduate studies, distinguished professorships, scholarships, and fellowships. Support of \$81,320 and \$1,268,669 was provided to KU Endowment during the fiscal years 2023 and 2022 and is included in other program services on the statement of activities.

During the year ended June 30, 2022, the Center and the University of Kansas Medical Center Research Institute, Inc. jointly fund the operations of KU Center for Technology Commercialization ("KUCTC") and \$1,187,375 was provided to KUCTC. There was no funding provided for 2023.

NOTE 12 - LEASES

Non-cancellable leases for facilities used in research projects expire in various years through 2038. These leases generally contain renewal options for periods ranging from one to five years.

Future maturities of lease liabilities as of June 30, 2023 were:

2024	\$ 753,842
2025	672,230
2026	426,764
2027	350,378
2028	357,568
Thereafter	<u>3,248,309</u>
	5,809,091
Less: interest	<u>(655,054)</u>
	<u>\$ 5,154,037</u>

Rent expense for all operating leases was \$787,358 and \$954,216 for the years ended June 30, 2023 and 2022, respectively.

NOTE 13 - 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 \$5,185,386 and \$4,724,906 for 2023 and 2022 to the defined contribution pension program for general and administrative salaries, respectively.

NOTE 14 - COMMITMENTS AND CONTINGENCIES

The Center is subject to ongoing reviews from granting agencies. 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.

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO FINANCIAL STATEMENTS
June 30, 2023 and 2022

NOTE 15 - LIQUIDITY AND AVAILABILITY

The Center's financial assets available within one year of the statement of financial position date for general expenditure are as follows:

	<u>2023</u>	<u>2022</u>
Financial assets at year-end:		
Cash and cash equivalents	\$ 27,542,122	\$ 27,914,487
Current investments	85,852,550	82,420,084
Accounts receivable, net	30,225,151	26,091,763
Notes receivable, net – current	<u>109,466</u>	<u>105,003</u>
Total financial assets	143,729,289	136,531,337
Less amounts not available to be used:		
Investments held as assets held for others	<u>(8,418,287)</u>	<u>(8,032,365)</u>
Financial assets available to meet general expenditures within one year	<u>\$ 135,311,002</u>	<u>\$ 128,498,972</u>

As part of the Center's liquidity management, the Center invests its financial assets to be available as its general expenditures, liabilities, and other obligations come due.

The investments held and managed by the KU Endowment as described in Note 10 are considered donor restricted, long-term investments and are thus excluded from the assets available for general expenditure.

NOTE 16 - EXPENSES BY NATURE

The statements of activities report certain categories of expenses attributable to the program and supporting services functions of the Center.

Personnel related costs are charged based upon actual time incurred for sponsored research or other functions as assigned by department and reimbursed to the University for time incurred.

Other expenses are generally charged directly to the function to which the expenditure applies, though internal service fees charged by service centers for the benefit of sponsored research or other program services are allocated to those functions based upon the actual internal billing of services rendered. Other expenses include items such as utilities, repairs, postage, communications, and other natural categories not considered material for specific disclosure.

The tables on the following page present these functional expenses by their natural classification.

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO FINANCIAL STATEMENTS
June 30, 2023 and 2022

NOTE 16 - EXPENSES BY NATURE (Continued)

Year ended June 30, 2023:

	Program Services						Support Services			Total
	Direct Research Expenses	Capitalized Expenses for Property and Equipment	Research Unit/School Expenses	Service Centers	Other Programs Services	Interest Expense	University Support	Research Admin., Unit Support, Startup	Matching Costs	
Personnel	\$ 57,619,970	\$ -	\$ 1,747,036	\$ 18,250,243	\$ 1,031,133	\$ -	\$ 79,083	\$ 6,970,103	\$ 490,466	\$ 86,188,034
Fringe Benefits	12,988,152	-	409,517	5,181,445	174,114	-	17,515	1,943,698	109,815	20,824,256
Subaward payments	14,574,395	-	-	-	-	-	-	-	-	14,574,395
Professional Fees	6,481,454	-	249,075	7,837,987	73,926	-	146,773	467,075	7,100	15,263,390
Supplies	5,033,519	-	485,603	1,852,572	98,795	-	3,170	487,311	107,775	8,068,745
Travel and Food	3,742,271	-	559,102	921,496	75,843	-	55,427	174,837	48,516	5,577,492
Tuition	6,148,261	-	89,238	149,989	64,957	-	85,715	25,607	182,580	6,746,347
Internal Service Fees (allocated)	19,179,479	-	49,382	(19,320,785)	37,610	-	-	7,271	47,043	-
Participant Fees	5,812,818	-	26,101	53,648	48,647	-	438	16,881	119,158	6,077,691
Depreciation	2,313,249	-	139,168	44,228	7,698	-	-	1,283,062	-	3,787,405
Equipment and other non-capital	3,370,310	(2,983,335)	31,647	38,657	16,367	-	27,968	287,743	220,781	1,010,138
Other Expense	3,601,855	-	918,329	1,985,987	337,057	-	409,123	3,311,107	50,490	10,613,948
Interest Expense	-	-	-	-	-	214,754	-	-	-	214,754
Total	<u>\$ 140,865,733</u>	<u>\$ (2,983,335)</u>	<u>\$ 4,704,198</u>	<u>\$ 16,995,467</u>	<u>\$ 1,966,147</u>	<u>\$ 214,754</u>	<u>\$ 825,212</u>	<u>\$ 14,974,695</u>	<u>\$ 1,383,724</u>	<u>\$ 178,946,595</u>

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO FINANCIAL STATEMENTS
June 30, 2023 and 2022

NOTE 16 -EXPENSES BY NATURE (Continued)

Year ended June 30, 2022:

	Program Services						Support Services			Total
	Direct Research Expenses	Capitalized Expenses for Property and Equipment	Research Unit/School Expenses	Service Centers	Other Programs Services	Interest Expense	University Support	Research Admin., Unit Support, Startup	Matching Costs	
Personnel	\$ 54,002,497	\$ -	\$ 1,832,904	\$ 13,752,642	\$ 746,653	\$ -	\$ 71,996	\$ 7,139,977	\$ 316,143	\$ 77,862,812
Fringe Benefits	12,575,430	-	488,700	3,961,305	113,186	-	18,252	2,061,102	58,424	19,276,399
Subaward payments	13,739,783	-	-	(52,000)	-	-	-	-	-	13,687,783
Professional Fees	6,093,461	-	123,253	5,799,447	1,231,034	-	619,646	161,489	5,637	14,033,967
Supplies	4,797,145	-	424,270	2,219,179	37,587	-	2,648	316,078	67,839	7,864,746
Travel and Food	1,851,674	-	229,672	286,114	20,932	-	14,887	98,866	17,540	2,519,685
Tuition	6,130,178	-	185,133	166,595	43,462	-	41,250	97,493	134,647	6,798,758
Internal Service Fees (allocated)	10,316,068	-	35,731	(10,429,976)	25,905	-	-	8,864	43,408	-
Participant Fees	5,242,134	-	20,053	3,551	(44)	-	(360)	2,786	100,361	5,368,481
Depreciation	2,342,551	-	104,752	557,804	4,586	-	-	653,138	-	3,662,831
Equipment and other non-capital	3,759,725	(2,974,350)	22,319	53,240	35,977	-	34,996	210,019	17,739	1,159,665
Other Expense	3,950,969	-	742,291	215,860	844,396	-	292,324	2,776,884	(16,385)	8,806,339
Interest Expense	-	-	-	-	-	312,253	-	-	-	312,253
Total	<u>\$ 124,801,615</u>	<u>\$ (2,974,350)</u>	<u>\$ 4,209,078</u>	<u>\$ 16,533,761</u>	<u>\$ 3,103,674</u>	<u>\$ 312,253</u>	<u>\$ 1,095,639</u>	<u>\$ 13,526,696</u>	<u>\$ 745,353</u>	<u>\$ 161,353,719</u>

SUPPLEMENTARY INFORMATION

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2023

Federal Grantor/Program Title	Assistance Listing Number	Identifying Number	Pass-through Entity Identifying Number	Federal Expenditures
Research and development cluster				
Department of Agriculture				
<u>Direct</u>				
Modeling Projects to Support and Advance	10.025	AP21VSSP000 0C076		\$ 27,882
NRI: INT: COLLAB: Collaborative Autonomy and Safety for Teamed Human-Unmanned Aircraft Systems in Fast Evolving Wildfire Environment	10.310	2019-67021- 28992		(7,728)
NRI: INT: COLLAB: An autonomous insect Sense, Identify, and Manage Platform	10.310	2019-6702- 28986		46,472
NRI: INT: COLLAB: Collaborative Autonomy and Safety for Teamed Human-Unmanned Aircraft Systems in Fast Evolving Wildfire Environment	10.310	2019-67021- 28992		63,060
Productivity and Soil Fertility Responses to Grassland Plant Diversity: Testing Competing Hypotheses	10.310	2020-67034- 31889		60,799
SitS: Collaborative Research: Soils are signaling shifts in aggregate life-cycles: What does this mean for water, carbon and climate feedbacks in the Anthropocene?	10.310	2021-67019- 34338		46,918
Assessing drivers of above- and belowground community diversity, soil carbon storage, and soil aggregate stability in grassland ecosystems	10.310	2022-67012- 37520		19,076
Irrigation at the new 100th Meridian: Adaptation to manage climate risks and preserve water resources in the Eastern Kansas River Basin	10.310	2022-67019- 37181		111,224
Subtotal for AL No. 10.310				367,703
Ethnobotanical Research, Mapping and Monitoring on the Rio Grande National Forest	10.699	17-CS- 11020900-019		5,032
Subtotal: Department of Agriculture- Direct				372,735
<u>Passthrough- KANSAS STATE UNIVERSITY</u>				
Linking microbiome function and microbial processes to plant genetic diversity in a foundation forage grass across the Great Plains grassland climate gradient: a multi-omics approach	10.310	A21-0128-S002	2020-67019-31803	95,628
<u>Passthrough- MICHIGAN STATE UNIVERSITY</u>				
INFEWS/T1: Developing Pathways Toward Sustainable Irrigation Across The Continental United States Using Process-based Systems Models (SIRUS)	10.310	RC108063UK	2018-67003-27406	5,888
<u>Passthrough- NATURAL RESOURCES CONSERVATION SERVICE</u>				
Modeling water quality and in-stream biological endpoints of agricultural conservation in the Mississippi River Basin	10.902	NR203A75002 3C023		77,901
<u>Passthrough- NORTH CAROLINA STATE</u>				
Dissecting Molecular Plant-Microbiome Interactions for Improved Drought Tolerance in Maize.	10.310	2022-0475-01	2022-67013-36672	125,339
<u>Passthrough- UNIVERSITY OF ILLINOIS - URBANA-CHAMPAIGN</u>				
Sustaining ecosystem services in agricultural landscapes through a better understanding of decision-support systems	10.310	110491-19243	2022-67019-38447	20,169

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2023

Federal Grantor/Program Title	Assistance Listing Number	Identifying Number	Pass-through Entity Identifying Number	Federal Expenditures
Research and development cluster (Continued)				
Department of Agriculture (Continued)				
<u>Passthrough- UNIVERSITY OF CALIFORNIA - DAVIS</u>				
Promoting the Purchase to Plate Tools for Food Demand and Diet Quality Research	10.250	A22-2490-S002	58-4000-1-0130	\$ 23,178
<u>Passthrough- UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH</u>				
Kansas-Missouri Nutrition Incentive Collaborative				
<u>Passthrough- UNIVERSITY OF MINNESOTA</u>				
Developing and deploying a perennial grain crop enterprise to improve environmental quality and rural prosperity	10.310	82890	2020-68012-31934	64,992
Robust incentive design for sustainable agricultural systems	10.310	82653	2020-67023-3326	15,290
Subtotal: Department of Agriculture-Passthrough				428,385
Total: Department of Agriculture				801,120
Department of Commerce				
<u>Direct</u>				
University Center Program: The University Center will engage in RedTire expansion, entrepreneurial consulting, a venture student incubator and commercialization of STEM research.	11.303	ED18DEN3030031		164,648
Application for administration of supplemental planning grant for CARES Act Recovery Assistance	11.307	ED20DEN3070059		74,406
Airborne Snow Depth Retrieval for Improved Hydrological Modeling	11.459	NA19OAR4590206		13,707
Subtotal: Department of Commerce- Direct				252,761
<u>Passthrough</u>				
Investigating the environmental and genetic cues for jellyfish blooms in the invasive freshwater jellyfish Craspedacusta sowerbii	11.417	220201	NA22OAR4170100	3,293
<u>Passthrough- COLORADO STATE UNIVERSITY</u>				
Center for Risk-Based Community Resilience Planning	11.609	G-99042-10	70NANB20H008	21,521
Center for Risk-Based Community Resilience Planning	11.619	G-00745-10		1,082
<u>Passthrough- UNIVERSITY OF ALABAMA-TUSCALOOSA</u>				
Center for Remote Sensing of Snow and Soil Moisture Measurement	11.432	A20-0344-S001	NA19NES4320002	21,895
Center for Remote Sensing of Snow and Soil Moisture Measurement	11.462	A18-0336-S001-A04	NA18NWS4620043B	(170)
Subtotal: Department of Commerce-Passthrough				47,621
Total: Department of Commerce				300,382
Department of Defense				
<u>Direct</u>				
Improving regional model representation of cloudy boundary layers across midlatitude synoptic systems in NRL COAMPS	12.300	N00014-20-1-2519		86,876

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
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Federal Grantor/Program Title	Assistance Listing Number	Identifying Number	Pass-through Entity Identifying Number	Federal Expenditures
Research and development cluster (Continued)				
Department of Defense (Continued)				
<u>Direct</u>				
Development of a Military-Specific Transdiagnostic Eating-Disorder Survey and Screening Tool in a Nationally Representative Sample of Veterans	12.420	W81XWH1910 207		\$ 253,051
Targeting RNA-binding protein HuR as a novel therapy for lethal prostate cancer	12.420	W81XWH2110 573		120,156
Assessment of Eating Disorder and Comorbidity Risk and Resilience in a Nationally Representative Sample of Recent Military Enlistees	12.420	HT9425231031 0		23,928
Subtotal for AL No. 12.420				<u>397,135</u>
Experimental and Simulation Investigations into Novel Mechanisms for the Oxygen Reduction Reaction	12.431	W911NF22102 93		32,268
Reinforcement-Learning-based Aerial-Ground Multi-Robot Collaboration with Human-on-the-Loop in Complex Environments	12.431	W911NF22202 07		136,415
Subtotal for AL No. 12.431				<u>168,683</u>
Novel 3D Printed Zeolite Passive Samplers Enabling Fast and Reliable Measurements of PFAS in Complex Environmental Matrices (EL-32)	12.630	W912HZ21200 46		180,808
Parametric Resonances in Time-Varying Media for Optical Limiting Applications	12.800	FA9550-20-1- 0046		97,278
Stochastic control for systems with non-Gaussian noise	12.800	FA9550-20-1- 0336		209,959
Pushing the Limit for Large Eddy Simulation Through a Kinetic Energy and Entropy Preserving FR method, and Mesh Adaptation Based on Machine Learning	12.800	FA9550-20-1- 0315		156,959
Coherent Space-Time-Varying Electromagnetic Structures	12.800	FA9550-23-1- 0267		7,627
Subtotal for AL No. 12.800				<u>471,823</u>
Science of Security for Cyber-physical Systems (SCpS)	12.000	H98230-18-D- 0009		551,154
Impact of Shear Layer Swirl on Near- and Far-field Noise Emissions from Twin-Engine Military Aircraft	12.000	W912HQ219P0 006		9,256
Enhanced Implementation of K-Scope & ASII Tunnel Detection Analysis Approach Using FWI, Modal Segmentation Methods, and Integrated Multi-Modal Techniques	12.000	W912HZ19C00 14		673,918
Advancement in Seismic Imaging for Tunnel Detection: ASI to ASII-skinny	12.000	W912HZ19C00 31		39,858
Navy Applications of Physical MIMO and Waveform Diversity	12.000	N00014-20-C- 1006		447,200
Automated Iceberg Identification Using Machine Learning Imaging Techniques	12.000	W913E521C00 22		125,116
Improving the Performance of Concrete Dam Infrastructure Through Use of Fiber-Reinforced Polymers	12.000	W912HZ22C00 16		789,082
Subtotal for AL No. 12.000				<u>2,635,584</u>
Subtotal: Department of Defense- Direct				<u>3,940,909</u>

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2023

Federal Grantor/Program Title	Assistance Listing Number	Identifying Number	Pass-through Entity Identifying Number	Federal Expenditures
Research and development cluster (Continued)				
Department of Defense (Continued)				
<u>Passthrough- ADVANCED TECHNOLOGY INTERNATIONAL</u>				
Coded APSK for Improved Spectral Efficiency in Aeronautical/Mobile Telemetry	12.000	2017-319		\$ 1,227
<u>Passthrough- ADAPTIVE METHODS</u>				
Advanced Sonar Signal Processing	12.000	ADM-22-0001	ADM-22-001	106,059
<u>Passthrough- ALION SCIENCE & TECHNOLOGY</u>				
Foundational Research for EW Operations	12.000	P000029662-	P000029662	121,394
<u>Passthrough- BRIGHAM YOUNG UNIVERSITY</u>				
Space Time Coding for Multi-h CPM	12.000	17-0493	W15QKN-15-9-1004	190,353
<u>Passthrough- BLACK RIVER SYSTEMS COMPANY</u>				
Dual-Function Radar Communications Receiver Development and Characterization	12.000	1515-S06	FA8650-15-C-1838	153,493
<u>Passthrough- COLLINS AEROSPACE</u>				
Master Sponsored Research Agreement No. CW2251607	12.000	CW2251607	HR00111890001	100,679
<u>Passthrough- DEFENSE ENGINEERING CORPORATION</u>				
Waveform Research and Development for Emerging RF Sensing Technologies	12.000	10343	FA8650-20-C-1955	166,904
Multi-Function Emission Characterization with RF Digital Arrays in the Presence of Modeling Errors	12.000	POJ056		54,236
<u>Passthrough- IERUS TECHNOLOGIES, INC.</u>				
SBIR Phase I - Optimized Waveforms for X-band Missile-Defense Radars	12.000	2021-KU-001	HQ0860-22-C-7047	3,054
<u>Passthrough- NEW SOUTH ASSOCIATES</u>				
Curation Services FY21	12.000	6201_KU_Cura tion	W912P921F0296	268
<u>Passthrough- ZENOLEAP LLC</u>				
Uncooled Quantum Infrared Focal Plane Arrays	12.000	W909MY-21-C- 0033-Sub	W909MY-21-C-0033	149,580
<u>Passthrough- PURDUE UNIVERSITY</u>				
Distributed Spectrum Scenario Fusion and Compression	12.300	13001026-012	N00014-21-1-2472	135,977
<u>Passthrough- UNIVERSITY OF CALIFORNIA - SAN DIEGO</u>				
Complex Linkages, Ambivalent Ties: Global Security and Economic Interdependence in the 21st Century	12.630	KR 704373	FA9550-21-1-0143	31,951
Economic Interdependence and National Security in the 21st Century	12.630	703707	FA9550-20-1-0145	18,600
<u>Passthrough- UNIVERSITY OF MICHIGAN</u>				
Multi-Fidelity Modeling of Rocket Combustor Dynamics	12.800	SUBK0001645 4	FA9550-17-1-0195	93,060
<u>Passthrough- WESTERN UNIVERSITY OF HEALTH SCIENCES</u>				
Therapeutic Intervention of Crimean Congo Hemorrhagic Fever: A Tick Born Viral Illness	12.420	20158V-MIR- UKCR	W81XWH2010279	612
<u>Passthrough- WRIGHT BROTHERS INSTITUTE</u>				
Frequency Diverse Array Receive Algorithm Development	12.800	WBSRA-21- 021-UKCR	FA8650-18-3-9326	77,626
<u>Passthrough- COMBUSTION RESEARCH AND FLOW TECHNOLOGY INC.</u>				
Multiphysics Modeling of Dynamic Combustion Processes	12.800	20-C- 0325.001/C815		98,050
Subtotal: Department of Defense- Passthrough				1,503,123
Total: Department of Defense				5,444,032

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2023

Federal Grantor/Program Title	Assistance Listing Number	Identifying Number	Pass-through Entity Identifying Number	Federal Expenditures
Research and development cluster (Continued)				
Department of Education				
<u>Direct</u>				
Fulbright-Hays Doctoral Dissertation Research Abroad Award	84.022	P022A210054		\$ 46,862
Funds for the Improvement of Postsecondary Education	84.116	P116Z990008		5,049,881
The Effects of Promoting Engaging Early Literacy Interactions in Preschool Environments: Literacy 3D	84.305	R305A170241		316,936
Effects of Implicit Bias on Children's Early Outcomes	84.305	R305A190199		45,727
AspirePlus: A Researcher-Practitioner Partnership to Promote Self-Determination and More Positive Student Outcomes	84.305	R305H190017 Act 2		87,577
Improving Software and Methods for Estimating Diagnostic Classification Models and Evaluating Model Fit	84.305	R305D210045		98,710
Subtotal for AL No. 84.305				<u>548,950</u>
MTSS and Self-Determination: Examining the Impact of Tier 1 Supports to Promote Self- Determination and Academic Outcomes	84.324	R324A170008		<u>163,582</u>
Professional Development to Support Teachers' Implementation of a Tiered Model for Promoting Social Development of Infants and Toddlers	84.324	R324A170118		134,027
Validation of Cognitive Problem-Solving and Movement Infant-Toddler IGDIs for Screening and General Outcome Progress Monitoring	84.324	R324A150166- 17		3,240
Development of a Data-based Decision Making System to Support Educators' Promotion of Infants and Toddlers' Cognitive Problem-Solving Skills	84.324	R324A170141 - 19		283,696
Validity Studies of the Classroom Code for Interactive Recording of Children's Learning Environments (CIRCLE) (Version 2.0): A Preschool Eco-Behavioral Interaction Measure for Intervention Decision Making	84.324	R324A170048		190,334
Factors Contributing to Academic, Social/Communication, and Behavioral Outcomes for Elementary Students with the Most Significant Cognitive Disabilities	84.324	R324A180024		228,562
Promoting Teacher Use of the Supports Intensity Scale-Children's Version to Engage in Supports Planning to Enhance Access to the General Education Curriculum for Children with Intellectual Disability	84.324	R324A180034 - 20		309,131
Project DataWall: A Decision Support System for MTSS	84.324	R324A190054		303,079
Promoting Self-Determination for Students with Disabilities: A Goal-Setting Challenge App	84.324	R324A180012		44,571
Possible Selves and Self-Determination: Improving Transition Outcomes for High School Students with Learning Disabilities	84.324	R324A190011 - 20		509,558

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UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
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Federal Grantor/Program Title	Assistance Listing Number	Identifying Number	Pass-through Entity Identifying Number	Federal Expenditures
Research and development cluster (Continued)				
Department of Education (Continued)				
<u>Direct</u>				
Project SCREEN: Validation of a Free-Access Screening Tool for K-12 Educators to Screen Students with Internalizing and Externalizing Behavior Patterns	84.324	R324A190013		\$ 357,797
Enhancing Ci3T: Building Professional Capacity for High Fidelity Implementation to Support Students' Educational Outcomes (Project ENHANCE)	84.324	R324N190002		635,329
5E Model Professional Development in Science Education for Special Educators (5E-SESE)	84.324	R324A18202		386,613
Combining the Self-Determined Learning Model of Instruction and Peer Supports: Examining the Impact on Academic, Social, and Functional Outcomes for Students with Autism Spectrum Disorders	84.324	R324A200007		631,071
Professional Development to Support Intervention Implementation of the Promoting Communication Tools for Advancing Language in Kids (PC TALK) for Infants and Toddlers at Risk for or with Disabilities	84.324	R324A190223		275,049
Initial Efficacy Evaluation of the CW-FIT Middle School Program: Improving Academic Validity of a Nonspeech, Dynamic Assessment of the Alphabetic Principle (DAAP)	84.324	R324A200063		408,067
	84.324	R324A200190		105,512
Resources Aligned and Integrated for Student Equity (RAISE): Protocol for Grade-level Teams to Intensify Instruction for Students With or At-risk for Disabilities	84.324	R324X220051		227,083
Resources Aligned and Integrated for Student Equity (RAISE): Protocol for Grade-level Teams to Intensify Instruction for Students With or At-risk for Disabilities	84.324	R324X220051		2,943
Project ENGAGE: Enhancing Student Engagement to Facilitate Learning and Well-Being	84.324	R324X220067		350,903
Subtotal for AL No. 84.324				<u>5,550,147</u>
Preparation of Special Education, Early Intervention, and Related Services Leadership Personnel	84.325	H325D160080		165,312
Strengthening Outcomes for All learners in Inclusive Settings (SOARS)	84.325	H325K160141 - 20		30,247
Subtotal for AL No. 84.325				<u>195,559</u>
Shared Writing Instructional Model(SWIM) for Students with Intellectual Disabilities	84.326	H326M180010		319,357
National Technical Assistance Center for Inclusive Practices and Policies	84.326	H326Y220003		308,700
Subtotal for AL No. 84.326				<u>628,057</u>
Stepping Up Technology Enabled Self-Monitoring For High School Students with Disabilities	84.327	H327S170001		327,463
Virtual reality Opportunities to Integrate Social Skills (VOISS)	84.327	H327S180006		410,074
Center for Innovation, Design, and Digital Learning	84.327	H327F200008		641,749

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2023

Federal Grantor/Program Title	Assistance Listing Number	Identifying Number	Pass-through Entity Identifying Number	Federal Expenditures
Research and development cluster (Continued)				
Department of Education (Continued)				
<u>Direct</u>				
Special Educator Technology-based Training of Trainers (SETTT) for Success	84.327	H327S200015		\$ 467,534
Project WRITE-APLM: Writing Strategies for Integrating Technology in Education with the Adaptive Professional Learning Model	84.327	H327S210009		453,400
Subtotal for AL No. 84.327				<u>2,300,220</u>
Supporting High-Needs Elementary Students with the CW-FIT Program: Building for Scale and Sustainability	84.411	U411B190025		<u>1,434,996</u>
CW-FIT Rural Expansion: Gaining More Time to Learn and More Time to Teach in Rural Schools	84.411	S411A220001		181,513
Subtotal for AL No. 84.411				<u>1,616,509</u>
Subtotal: Department of Education- Direct				<u>15,936,185</u>
<u>Passthrough- OREGON DEPARTMENT OF EDUCATION</u>				
Oregon Aspiring Leaders Summer Institute	84.027	15875	H027A200095	27,045
<u>Passthrough- UNIVERSITY OF MINNESOTA</u>				
Initial Efficacy Trial of a Group-Based Implementation Strategy Designed to Increase	84.305	A008888703	R305A210241-3	12,031
<u>Passthrough- ARCTIC SLOPE COMMUNITY FOUNDATION INC.</u>				
Writing and Revising Interventions to Excel: Using Learning Maps and interventions to improve written communication (WRITE for Alaska Native CTE students	84.356	25781 ASCF		380,412
<u>Passthrough- CAST, INC.</u>				
CORGI 2020: Scaling Models for the Classrooms of Tomorrow	84.327	KUCR110119-24	H327S190008	103,146
<u>Passthrough- NATIONAL CENTER ON DEAF BLINDNESS</u>				
Student Characteristics and Foundational Learning Map and Resource Development	84.326	23602	Special Education—Technical Assistance and Dissemination to Improve Services and Results for Children	25,630
<u>Passthrough- CENTER FOR APPLIED SCIENCE TECHNOLOGY IN</u>				
Project COaching On Learning (COOL) for UDL Implementation	84.326			42,620
<u>Passthrough- KANSAS DEPARTMENT OF EDUCATION</u>				
Kansas SPDG Evaluation	84.323	652-18-1939	SPDG Evaluation	59,916
SPDG Evaluation	84.323	652-23-2254	State Personnel Development Grant	2,554
<u>Passthrough- LAS CRUCES PUBLIC SCHOOLS</u>				
Comprehensive Literacy State Development Grant - Las Cruces Public Schools	84.371	CSA20-21-01		8,710
<u>Passthrough- MARYLAND STATE DEPARTMENT OF EDUCATION</u>				

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Research and development cluster (Continued)				
Department of Education (Continued)				
<u>Passthrough- METROPOLITAN NASHVILLE PUBLIC SCHOOLS</u>				
GEAR UP Nashville Project	84.334	2-00530-01	Gaining Early Awareness and Readiness for Undergraduate Programs	\$ 153,726
<u>Passthrough- PURDUE UNIVERSITY</u>				
Para-Impact: Professional Development with Teacher-as-Coach for Paraeducators of Elementary Students with Moderate-to-Severe Developmental Disabilities	84.324	19100063-004		59,388
<u>Passthrough- UNIVERSITY OF CONNECTICUT</u>				
Exploring Relationships between College and Career Readiness, Self-Determination, and Transition Planning among Adolescents with Disabilities	84.324	450820	R324A210245	32,696
<u>Passthrough- UNIVERSITY OF MISSOURI - COLUMBIA</u>				
Evaluating the Efficacy of a Daily Check-in/Check-out Intervention for Students At-Risk for Emotional and Behavioral Disorders	84.324	C00064320-2		150,077
<u>Passthrough- UNIVERSITY OF TEXAS-AUSTIN</u>				
The Self-Determined Learning Model of Instruction for Reading (SDLMI-R): Improving Outcomes of Upper Elementary Students with or At-Risk for Reading Disability	84.324	UTA21-000354	R324A210204	69,986
<u>Passthrough- UNIVERSITY OF WISCONSIN-MADISON</u>				
Item Development for New Forms of Alternate ACCESS for ELLs (Alt ACCESS Advancing ALTELLA: Alternate Assessment Redesign	84.368	22-8755	S368A190004	281,004
<u>Passthrough- UNIVERSITY OF IOWA</u>				
Evaluate effectiveness of Waterloo CSD & Council Bluffs CSD exploratory projects & statewide implementation of specially designed instruction, including evaluation of the State Identified Measure of R	84.425	S03566-01	ESSER II and IDEA part B	54,358
Subtotal: Department of Education- Passthrough				1,463,299
Total: Department of Education				17,399,484
Department of Energy				
Mechanistic Studies to Enable Aerobic Oxidation of C-H Bonds by Manganese Catalysts	81.049	DE-SC0016359		16,700
Searches for New Physics in Standard Model Processes	81.049	DE-SC0017988		65,285
Probing Small-x QCD Dynamics With Hadronic Collisions	81.049	DE-SC0019389		(2)
Molecular to Mesoscale Targeting of Oxoanions with Multi-Tasking Hosts	81.049	DE-SC0018629		26,330
Uranyl Capture and Activation with Lewis Acids and Macrocyclic Hosts	81.049	DE-SC0019169		150,417
Searching for the Nature of Dark Matter and Dark Energy	81.049	DE-SC0019474		58,772

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Research and development cluster (Continued)				
Department of Energy (Continued)				
<u>Direct</u>				
Ab Initio Machine Learning Algorithms for Modeling Kinetics on Amorphous Catalysts	81.049	DE-SC0019488		\$ 336,781
Understanding Rate Constants of Hydrated Electron Reactions	81.049	DE-SC0021114		138,406
Research in Heavy-Ion Nuclear Physics: Studying the initial state of QCD matter	81.049	DE-SC0020914		324,711
Electron transfer in heterostructures based on two-dimensional materials	81.049	DE-SC0020995		119,148
Theoretical Particle Physics in the Data-Driven Era	81.049	DE-SC0021447		1,124
Studying nuclear gluon dynamics using novel technologies with the ALICE experiment and at the Electron-Ion Collider Sponsor	81.049	DE-SC0023510		71,283
Using ARM observations and large-eddy simulation to constrain cloud processing of CCN in boundary-layer clouds over the Eastern North Atlantic	81.049	DE-SC0023083		76,753
Research in Heavy-Ion Nuclear Physics at CMS	81.049	DE-FG02-96ER40981		639,619
Subtotal for AL No. 81.049				<u>2,025,327</u>
Stationary Direct Methanol Fuel Cells Using Pure Methanol	81.087	DE-EE0008440		305,432
A NOVEL SMART MICROCHIP PROPPANTS TECHNOLOGY FOR PRECISION DIAGNOSTICS OF HYDRAULIC FRACTURE NETWORKS	81.089	DE-FE0031784		528,659
Critical Minerals in Coaly Strata of the Cherokee-Forest City Basin	81.089	DE-FE0032056		888,532
Subtotal for AL No. 81.089				<u>1,417,191</u>
Archaeological Curation Services (FY22-23),	81.000	Pesi1640.05		<u>30,367</u>
Subtotal: Department of Energy- Direct				<u>3,778,317</u>
<u>Passthrough- AMERICAN INSTITUTE OF CHEMICAL ENGINEERS</u>				
GAS SEPARATION USING FURAN-BASED POLYMER MEMBRANES - PROJECT H22020	81.087	DE-EE0007888-06-09	DE-EE007888-06-09	39,345
<u>Passthrough- HONEYWELL</u>				
Microfluidics Consortium: Solubility Model	81.000	N000459672	DE-NA0002839	58,516
2D Semiconductor Reliability- KU	81.000	N000459660	DE-NA0002839	28,597
Predictive Model for Silicone Pad Failure and Predicting Uniaxial Compression of Foam Using Computer Vision	81.000	N000467468	DE-NA0002839	465
KU Special Communications	81.000	PO NN000468596		85,740
Next Generation Silicones for DIW	81.000	N000474370	DE-NA0002839	14,576
Flow synthesis of isocyanate terminated prepolymers	81.000	PO N000477021	DE-NA0002839	5,044
MASTER COLLABORATION AGREEMENT	81.000		DE-NA0002839	885,929
Cyclone Separator for Microspheres	81.000	N000442870	DE-NA0002839	8,200
<u>Passthrough- JEFFERSON SCIENCE ASSOCIATES LLC</u>				
Services of EIC Fellowship Winner, Alexander "Sasha" Bylinkin, During the Period 02/01/22 - 05/31/22	81.000	Purchase Order 22-D0507	DE-AC0-06OR2317	9,606
Radiation Hardness Tests of Glass Blocks and Software Development for Data Analysis and Simulations	81.000	JSA-22-R413253 PO 22-P1508	DE-AC0-06OR2317	15,015

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Research and development cluster (Continued)				
Department of Energy (Continued)				
<u>Passthrough- FERMI NATIONAL ACCELERATOR LABORATORY</u>				
High Luminosity (HL) LHC CMS Detector Upgrade Projects MIP Timing Detector	81.000	678515	DE-AC02- 07CH11359	\$ 30,127
<u>Passthrough- KANSAS STATE UNIVERSITY</u>				
Integrated Anaerobic Membrane Bioreactor (AnMBR)-electro-assisted fermentation platform for total resource recovery from diverse wastewaters	81.086	A21-0320-S001	DE-EE0009504	100,523
<u>Passthrough- LARGO CLEAN ENERGY CORP</u>				
Electrolyte Densification for Shipping (EDS) Process	81.135	26076	cooperative Agreement	161,208
<u>Passthrough- NATIONAL RENEWABLE ENERGY LABORATORY</u>				
In-Situ X-Ray Photoelectron Spectroscopy for Advanced Catalyst Characterization	81.087	AHR-8-82109- 01	DE-AC36- 08GO28308	1
<u>Passthrough- NEW MEXICO TECH</u>				
Carbon Utilization and Storage Partnership (CUSP) for the Western USA	81.089	P0019651	DE-FE0031837	339,212
<u>Passthrough- NORTHERN ILLINOIS UNIVERSITY</u>				
5-D dual-readout calorimetry for the Next Generation of HEP Experiments	81.049	G1A627765-1	DE-SC0021123	21,615
<u>Passthrough- SANDIA NATIONAL LABORATORIES</u>				
Molecular Modeling of Fluid Properties at Mineral Interfaces	81.000	2127658		77,554
Waveform diversity and signal processing capabilities for radar and multi-function operation in spectrally congested, contested, and constrained environments	81.000	2237007	DE-NA0003525	38,614
Adaptive Waveform Development For Optimized ReTurns- Enhanced Scene Interpretation and Interference Mitigation(A WD Fort-e S1m)	81.000	2415977		79,776
<u>Passthrough- SUMNER COUNTY GOVERNMENT</u>				
Field Testing & Validation - Thermal Energy Storage in Public and Commercial Buildings in Sumner County, Kansas for Energy Savings, Demand reduction and Flexibility.	81.086	SCKS DE-EE- 0009467-1	DE-EE-0009467	58,803
<u>Passthrough- TRIAD NATIONAL SECURITY LLC</u>				
Parallel High-order Curvilinear Mesh Generation Algorithms and Software for Use with Computational Mechanics Simulations	81.000	619744	89233218CNA00000 1	80,168
<u>Passthrough- UNIVERSITY OF CALIFORNIA SANTA CRUZ (UCSC)</u>				
Linking nutrient reactivity and transport in subsurface flowpaths along a terrestrial-estuarine continuum	81.049	A21-0274-S001	DE-SC0021044	12,069
<u>Passthrough- UNIVERSITY OF MARYLAND - BALTIMORE</u>				
Characterizing the Variation and Covariation of Cloud Microphysical Properties and Implications for Simulation of Subgrid-scale Warm-Rain Processes in Earth System Models	81.049	OFED0010-01	DE-SC0020057	60,430
<u>Passthrough- UNIVERSITY OF TEXAS-AUSTIN</u>				
GWPC-Regional Induced Seismicity Collaborative (RISC)	81.089	UTA18-000016	DE-FE00027702	37,569

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Research and development cluster (Continued)				
Department of Energy (Continued)				
<u>Passthrough- VISTA CLARA, INC.</u>				
Switched-Field Surface NMR for Enhanced Detection and Resolution of Shallow Groundwater	81.049		DE-SC00119671DE- SC00119671	\$ 5,766
Dynamic NMR Logging Technologies for High- Resolution Measurement of Hydrogeologic Properties and Soil Response	81.049	01182023GL	DE-SC0017096	5,175
Subtotal: Department of Energy- Passthrough				2,259,643
Total: Department of Energy				6,037,960
Department of Health and Human Services				
<u>Direct</u>				
Kansas Serves Native American Families - KSNAF	93.087	90CU0079		254,868
A Mobile Web-Based Parenting Intervention to Strengthen Social-Emotional Development of Very Low Birth Weight Infants	93.110	6R40MC26822- 03-03		5
Bridging the Word Gap Research Network	93.110	UA6MC27762		22,939
Bridging the Word Gap Research Network	93.110	5U6DMC42197 0100		194,002
Subtotal for AL No. 93.110				216,946
Toxicogenomics of metal response in genetically- variable Drosophil populations	93.113	5R01ES029922- 03		120,291
Linking genomic, physiological, and behavioral responses using a Drosophila model of heavy metal stress	93.113	K99ES033257		86,674
Subtotal for AL No. 93.113				206,965
Peptide-Polymer Engineering Dentin/Adhesive Interfacial Bond Integrity	93.121	R01DE025476		332,482
Evaluation of a Comprehensive Approach to Address Youth Violence through the Kansas City Youth Violence Prevention Center	93.136	U01CE003375		1,133,643
Interactive book reading to accelerate word learning by children with SLI	93.173	R01DC012824		279,635
Morphosyntactic Abilities of SLI Probands	93.173	5R01DC00180 3		218,597
A virtual vocal tract for speech output using non- invasive brain-computer interface	93.173	1R01DC01634 3-02		369,307
Training Researchers in Language Impairments	93.173	T32DC000052		193,410
Genetic studies of specific language impairment (SLI) using consanguineous families	93.173	R21DC017830		116,026
Developing a caregiver-administered word learning treatment for children with Developmental Language Disorder (DLD)	93.173	1K18DC01961 5-01		12,897
Increasing Word Learning Efficiency in Children who are Deaf and Hard of Hearing through Retrieval Practice	93.173	1R21DC02001 7		5,180
Examining adaptive peer-mediated interventions for preschoolers with autism spectrum disorder and limited or no spoken language: A Sequential Multiple Assignment Randomized Trial	93.173	1R01DC02041 8		249,971
More and Less Social Comprehension: Child and Text Factors for Autistic Children	93.173	R21DC020786		59,250

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Research and development cluster (Continued)				
Department of Health and Human Services (Continued)				
<u>Direct</u>				
Subtotal for AL No. 93.173				\$ 1,504,273
Kansas Program to Improve the Health of People with Mobility Limitations and Intellectual Disabilities	93.184	6 NU27DD00000 6		9,145
Care and Safety Practices during the COVID-19 Pandemic in Home-Based Long term Services and Supports	93.226	R01HS028172		139,926
Trauma exposure, emotion regulation and cognitive skills in early childhood: Prospective and longitudinal examination of the mechanisms of adjustment	93.242	R01MH079252		79,089
Motor abnormalities and functional brain mechanisms in autism spectrum disorder	93.242	R01MH112734		236,177
Ecological Momentary Assessment of Unhealthy Exercise and Affect in Eating Disorders	93.242	R36MH120943		6,587
Smart Technology for Anorexia Nervosa Recovery: A Pilot Intervention for the Post-Acute Treatment of Anorexia Nervosa	93.242	1R34MH12702 2-01		356,067
Exploring predictors of response to a peer- mediated communication intervention for minimally verbal preschoolers with ASD	93.242	1R21DC01921 5-01A1		222,353
Lateralization of sensorimotor behavior and cortical-cerebellar networks in autism	93.242	1F31MH12434 0-01A1		8,612
Neurocircuit of Partner-seeking Following Social Loss	93.242	1F31MH12657 2-01A1		131,201
Subtotal for AL No. 93.242				1,040,086
A cluster-randomized trial of a behavioral activation intervention administered in a college freshman orientation course	93.273	R01AA027791		369,527
Using Neuroeconomics to Characterize State- Based Increases and Decreases in Alcohol Value	93.273	R01AA027255		250,297
Subtotal for AL No. 93.273				619,824
Neuronal Circuits and Molecular Mechanisms Underlying Early Social Isolation-Potentiated Heroin Seeking	93.279	1K01DA050908		117,914
The role of DNA breaks and repairs in opioid addiction	93.279	1DP1DA05680 4		200,855
Subtotal for AL No. 93.279				318,769
Biotechnology Resource Center of Biomodular Multi scale Systems CBM2 for Precision Molecular Diagnostics	93.286	P41EB020594- 06		(427)
Scanning Resonator Microscopy	93.286	R03EB027357		273
Biotechnology Resource Center for BioModular Multi-scale Systems (CBM2) for Precision Medicine	93.286	P41EB020584		1,073,382
mRNA Expression Profiling from Extracellular Vesicles (EVs): Generating a Rapid Diagnostic for Stroke	93.286	R01EB031579		237,028
Subtotal for AL No. 93.286				1,310,256

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Research and development cluster (Continued)				
Department of Health and Human Services (Continued)				
<u>Direct</u>				
Comprehensive analysis of human adaptive immune receptors to elucidate correlates of Epstein-Barr virus disease suppression	93.310	DP5OD023118		\$ (11,819)
A resource for the Genetic Analysis of Complex Traits	93.351	5R01OD01097 4-10		2,485
A Resource for the Genetic Dissection of Complex Traits	93.351	1R01OD03406 4-01		78,573
Subtotal for AL No. 93.351				<u>81,058</u>
Increased Sensitivity of Minimal Residual Disease Monitoring using Peripheral Blood in Pediatric Patients with Acute Lymphoblastic Leukemia	93.394	R33CA235597		151,536
Nano-Engineered Lab-on-a-Chip for Assessing HuR-Regulated Exosomes for Cancer Monitoring and Targeted Therapy	93.394	R01CA243445		555,136
Molecular Sub-typing Breast Cancer Patients using a Liquid Biopsy	93.394	R21CA272351		73,877
Subtotal for AL No. 93.394				<u>780,549</u>
Molecular cancer therapy targeting HuR-ARE interaction	93.395	5R01CA19178 5-05		25,760
Targeted Proteomics of MUC16 to Enable Early Detection of Ovarian Cancer Recurrence	93.395	7R21CA26753 2-02		166,532
Subtotal for AL No. 93.395				<u>192,292</u>
Research and Training Center on Community Living	93.433	90RT5043-04- 01		290,356
Promoting Career Design and Development via Telehealth for Rural Adults with Intellectual and Developmental Disabilities	93.433	90IFRE0039		215,822
Using the National Survey on Health and Disability Panel to Document the COVID-19 Pandemic Experiences of Working-Age Americans with Disabilities	93.433	90IFRE0050		165,502
Subtotal for AL No. 93.433				<u>671,680</u>
Kansas State Grant for Assistive Technology	93.464	2001KSATG		32,816
Kansas State Plan for Assistive Technology	93.464	2101KSATSG- 02		272,791
ATPH-Expanding the Public Health Workforce within the Disability Network: AT St. Grants	93.464	2201KSATPH- 00		77,031
Kansas State Plan for Assistive Technology 2021-2023	93.464	2201KSATSG		160,749
Subtotal for AL No. 93.464				<u>543,387</u>
Kansas Invests in Families (KInvest)	93.556	90CW1150		268,731
Head Start Collaboration Office Needs Assessment	93.600			1,525
AOD - Supported Decision Making Across the Lifespan Planning Grant	93.631	90DNMD00030 1		1
Kansas Self-determined Transition Employment Partnership (K-STEP): Youth-Led Systems Change for Enhanced Transition and Employment Outcomes	93.631	90DNCE0002		188,066

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Research and development cluster (Continued)				
Department of Health and Human Services (Continued)				
<u>Direct</u>				
State of the States in Developmental Disabilities- On-going Data Collection and Information Dissemination: 2018	93.631	90DNPA0004		\$ 445,717
Subtotal for AL No. 93.631				633,784
Kansas University Center on Developmental Disabilities (KUCDD)	93.632	90DDUC0033		84,571
Coming Together and Moving Forward: Supporting Integrated, Community-Based Transition in Kansas	93.632	90DDUC0084- 01-00		(98)
Supporting People with Disabilities with Vaccine Access during COVID-19 in Kansas	93.632	90DDC50034- 01-00		18,234
Kansas Self-Determined Transition Taskforce: Moving Forward To Enhance Transition Outcomes	93.632	90DDCI0003		188,479
Expanding the Public Health Workforce in Kansas	93.632	90UCPH0004- 01-00		60,181
Kansas University Center on Developmental Disabilities: 2022-2027	93.632	90DDUC0096		443,107
Subtotal for AL No. 93.632				794,474
Universal Prevention for Strong and Thriving Families (Family Strong)	93.648	90CT7013-01- 00		679,639
Kansas Strong for Children and Families (Kansas Strong)	93.652	90CO1139		1,910,197
Integrated Health Scholars: Partnerships to Advance Practice	93.732	M01HP31360		649,813
Weight management in rural health clinics	93.847	R01DK108732		184,189
Roles for Adenomatous polyposis coli in colon injury prevention and wound healing	93.847	1R01DK13232 0-01		88,062
Subtotal for AL No. 93.847				272,251
Structural and functional connectivity of the social decision-making network	93.853	3R01NS11310 4-02S1		442,626
A Novel Pharmacologic Approach to Treat CMT1X	93.853	4R33NS11435		302,188
Regulation of directed neuroblast migration by the ECM and MAB-5/Hox	93.853	1R01NS11546 7-01A1		405,642
Wearable real-time functional brain mapping for a non-human primate stroke model	93.853	R01NS118918		466,670
Subtotal for AL No. 93.853				1,617,126
Regulation of Virulence Gene Expression in Chlamydia	93.855	5R01AI079083- 05		(766)
Assembly/function of the sorting platform of the Shigella type III secretion apparatus	93.855	R01AI123351		21,255
Generating Native Env Glycosylation in HIV Vaccine Candidates	93.855	5R01AI125093- 02		(731)
The causes of balancing selection on immunity genes: from populations to molecular interactions.	93.855	1R01AI139154- 01		266,478
Vaccines to counter emerging antibiotic resistance	93.855	R01AI138970		68,600

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Research and development cluster (Continued)				
Department of Health and Human Services (Continued)				
<u>Direct</u>				
Identification of CYP5122A1 inhibitors as chemical probes for Leishmania biology	93.855	5R01AI139198-03		\$ 274,394
Comprehensive molecular and functional analyses of anti-HIV-1 antibody repertoires	93.855	R21AI143407		82,824
Identifying functional targets of HSV-1 ICP0-directed degradation	93.855	R21AI154302		74,886
Resistance-gene-guided genome mining for novel antifungal compounds	93.855	R21A1156320		145,685
A vaccine specifically targeting T3SS-negative Pseudomonas aeruginosa	93.855	1R21AI164616-01		5,663
Identifying the targets of virus-induced PARPs during SARS-CoV-2 infection	93.855	1R21AI173781-01		34,656
Subtotal for AL No. 93.855				<u>972,944</u>
Molecular Analysis of Disease Pathways	93.859	5P20GM103638		503,641
KU Post Baccalaureate Research Education Program (PREP)	93.859	R25GM078441		307,151
500 Nations Bridge Collaboration: Haskell Indian Nations University / U of Kansas	93.859	R25GM060182		14,507
Designed Beta-strands for inhibiting efflux pumps and disabling antibiotic resistance	93.859	1DP2GM128201-01		2,925
Mechanisms of Gamma-Secretase	93.859	R01GM122894		158,381
University of Kansas/Haskell Indian Nations University IRACDA Project	93.859	5K12GM063651-18		455,631
Mass Spectrometry Measurements for Complex PTMS	93.859	5R35GM130354-03		289,975
Graduate Training at the Biology-Chemistry Interface	93.859	T32GM132061		340,753
Enhanced Sampling of G-Protein-Coupled Receptor-G Protein Interactions	93.859	R01GM132572		276,165
MARC at The University of Kansas	93.859	T34GM136453		331,235
Determining mechanisms of innate immune modulation by ADP-ribosylation	93.859	R35GM138029		339,961
Quorum sensing evolution and function in mixed bacterial communities	93.859	R35GM133572		408,375
Chemical Biology of Infectious Disease	93.859	2P20GM113117		2,736,414
Tethered aza-Wacker Technology for Complex Antibiotic Assembly	93.859	R35GM142499		339,312
Biomaterial technologies for interrogating sex differences in tissue repair and homeostasis	93.859	R35GM143081		390,070
Molecular Analysis of Disease Pathways	93.859	1P30GM145499		759,096
Integrated Resource for Protein Recognition Studies	93.859	2R01GM074255		384,501
Bridges to the Baccalaureate Research Training Program at the University of Kansas/Haskell Indian Nations University	93.859	1T34GM142615-01A1		82,685
Modulating gene expression by RNA-targeting chimeras	93.859	1R35GM147498-01		342,265
New catalytic strategies to make non-proteinogenic peptides	93.859	1R35GM147169-01		346,984

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Research and development cluster (Continued)				
Department of Health and Human Services (Continued)				
<u>Direct</u>				
SCISIPBIO: Examining the Career Barriers Confronting African American or Black Biomedical Scientists	93.859	1R01GM14881 6		\$ 36,684
Subtotal for AL No. 93.859				<u>8,846,711</u>
The effects of parenting on the development and behavior of FXS adolescents	93.865	5R01HD08456 3-05		7,364
Kansas Intellectual and Developmental Disabilities Research Center	93.865	U54HD090216		502,962
Individual and family-based approaches to increase physical activity in adolescents with IDD	93.865	R01HD094704		484,121
Validation of an outcome measure of early social- communication for young children with ASD	93.865	R01HD100364		103,035
Examining Biobehavioral Mechanisms of Extreme Eating Behaviors in Young Children with ASD	93.865	F32HD101311		11,825
Young Infants' Detection of Emotion	93.865	1K99HD10150 0-02		13,844
Gatlinburg Conference on Research in ID/DD	93.865	R13HD102142		17,532
Parent-implemented treatment for repetitive behaviors in children with ASD: Using a novel telehealth approach to increase service access	93.865	5R01HD10503 6		438,682
The Role of Hostile Attribution Bias and Working Memory in the Link between Trauma Exposure and Violence in Justice-Involved Youth	93.865	F31HD106745		33,554
FXS: Late Adolescence and Early Adulthood	93.865	2R01HD08456 3-06A1		223,253
Subtotal for AL No. 93.865				<u>1,836,172</u>
Sporadic Alzheimer's Disease: A Bioenergetic Etiology?	93.866	1R01AG06103 8-02		314,313
A Dyadic Approach for a Remote Physical Activity Intervention in Adults with Alzheimer's Disease and their Caregivers	93.866	R01AG061187		883,147
Synapse structural dynamics and memory loss in mouse models of Alzheimer's disease	93.866	R01AG064067		366,718
Remediation of elevated delay discounting in mid- life individuals: A stage-II trial	93.866	R01AG048904		272,087
Structure and Function of Gamma-Secretase in Familial Alzheimer's Disease	93.866	R01AG066986		731,116
Mitochondria targeting for Alzheimer's Disease	93.866	3R21AG07046		147,187
A Study of Race Differences in Alzheimer's Disease Biomarkers	93.866	RF1AG072760		427,200
Ghsr1a and Hippocampal Pathology in Alzheimer's Disease	93.866	RAG059753		278,891
Mitochondrial ATP Synthase Dysfunction and Synaptic Stress in Alzheimer's Disease	93.866	RAG053588B		117

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Research and development cluster (Continued)				
Department of Health and Human Services (Continued)				
<u>Direct</u>				
mtDNA leakage and STING-dependent microglial innate immune response in Alzheimer's disease	93.866	1R01AG075108		\$ 282,393
Reshaping ApoE4 and Alzheimer's Brains with ApoE2	93.866	1R01AG071682-01A1		450,966
Neurodegenerative mechanisms of motor, executive, and memory decline in females with Fragile X-associated tremor/ataxia syndrome (FXTAS)	93.866	R21AG080923		3,793
Subtotal for AL No. 93.866				<u>4,157,928</u>
Precisely removing microvessels by photo-mediated ultrasound therapy	93.867	R01EY029489		234,090
Preventing Youth Violence by Addressing Social Determinants Through the KC Youth Violence Prevention Project	93.910	YEPMP170096-		3,391
Subtotal: Health and Human Services- Direct				<u>32,223,106</u>
<u>Passthrough- ASSOCIATION OF UNIVERSITY CENTERS ON DISABILITIES</u>				
Act Early Ambassador 2022 - 2024	93.283		Learn the Signs. Act Early Program	2,356
Act Early Ambassadors: State or Territorial Liaisons to CDCs, Learn the Signs. Act Early. Program	93.837			843
<u>Passthrough- BBC ENTREPRENEURIAL TRAINING AND CONSULTING LLC</u>				
The Sustainable Heartland Accelerator Regional Partnership (SHARP) Hub	93.859	Supplement	3UT2GM130175-02S1	(1)
<u>Passthrough- BIOFLUIDICA</u>				
Increased sensitivity of minimal residual disease monitoring using peripheral blood in pediatric patients with B type acute lymphoblastic leukemia (B-ALL)	93.394	21518	1R44CA224848-01A1	94,953
<u>Passthrough- BRIGHAM & WOMEN'S HOSPITAL RESEARCH ADMINISTRATION</u>				
Leveraging Heterogeneity in Autosomal Dominant AD to Elucidate Pathophysiology and Improve AD Biomarkers	93.866	127688	1RF1AG079569-01	220,361
<u>Passthrough- CHRISTOPHER & DANA REEVE FOUNDATION</u>				
Accessible Recreation: Playing Electronic Games Independently to Increase Health & Social Connection	93.325		90PRRC0002-01-01	1
<u>Passthrough- CRAWFORD COUNTY</u>				
Certified Behavioral Health Clinic (CCBHC) Planning, Development, and Implementation Grant Project Evaluation --Crawford County	93.696	27209	H79SM086722	110,343
<u>Passthrough- CONTINUUM EDUCATIONAL TECHNOLOGIES PBC</u>				
Smart Tools to Accelerate Research Translation by Uplifting Participants for the Central IDeA State Region (STARTUP Central)	93.859	27004	1UT2GM148086-01	30,998
<u>Passthrough- DIRECTSYNC SURGICAL, LLC</u>				
Spinal Fusion Implant with Integrated Fusion Progression Diagnostic Capability	93.846	SRA27460		3,067

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Research and development cluster (Continued)				
Department of Health and Human Services (Continued)				
<u>Passthrough- DUKE UNIVERSITY</u>				
HIV-1 vaccine-elicited antibodies target envelope glycans	93.855	A0337643	2R01AI120801-06	\$ 2,594
Novel Immunogens to Elicit Broadly Cross-reactive Antibodies that Target the Hemagglutinin Head Trimer Interface.	93.855	A035386	1R01AI155804-01A1	47,898
Duke Center for HIV Structural Biology: Protein analytics support to characterize Env Proteins	93.855	303000855	1U54AI170752-01	37,307
<u>Passthrough- EMORY UNIVERSITY</u>				
Emory Home Visiting Program	93.434	A630801	90TP0070	6,640
<u>Passthrough- FAMILIES AND COMMUNITIES RISING, INC.</u>				
2019 National Center for Community-Based Child Abuse Prevention	93.590			(1,461)
2019 National Center for Community-Based Child Abuse Prevention	93.590			(206)
National Center for Community-Based Child Abuse Prevention	93.590	90CZ0024		
National Center for Community-Based Child Abuse Prevention	93.590	2021-2022 KU CBCAP ARPA	90CZ0027	24,254
National Center for Community-Based Child Abuse Prevention	93.590	2021-2022 KU CBCAP ARPA	90CZ0027	23,256
National Center for Community-Based Child Abuse Prevention	93.590		90CZ0027	44,672
<u>Passthrough- FUTURES WITHOUT VIOLENCE</u>				
A Quality Improvement center on domestic violence in child welfare	93.670	3037 Addendum #1	90CA 1850-04	42,146
<u>Passthrough- GEORGIA INSTITUTE OF TECHNOLOGY</u>				
Discovering novel predictors of minimally verbal outcomes in autism through computational modeling	93.173	AWD-004137-G1	R01DC020048	77,255
<u>Passthrough- HENRY FORD HEALTH SYSTEM</u>				
Reducing Maternal Delay Discounting as a Target Mechanism to Decrease Harsh Parenting and Improve Child Mental Health Outcomes in a Traditionally Underserved Community	93.242	B11239UK	1R34MH123602-01A1	20,495
Improving Delay Discounting to Decrease Harsh Parenting among Parents Receiving Substance Use Treatment in a Low Resource Community	93.279	B11238UK	1R34DA053524-	22,113
Improving Decision Making to Prevent Substance Misuse among Adolescents from Traditionally Underserved Communities	93.279	B11256UK	1R34DA056732	3,674
<u>Passthrough- HORIZONS MENTAL HEALTH CENTER</u>				
CCBHC Expansion Grants	93.829	24921	H79SM083196	116,971
<u>Passthrough- IDAHO STATE DEPARTMENT OF EDUCATION</u>				
Idaho Advancing Wellness and Resiliency in Education (ID-AWARE)	93.243	217822		8,917
SECTR: Idaho Lives Project (ID-AWARE)	93.243	22-7911	AWARE-SEA	45,351
Idaho Advancing Wellness and Resiliency in Education (ID-AWARE)	93.243	23-7905		86,923
<u>Passthrough- IOWA DEPARTMENT OF HUMAN SERVICES</u>				
Iowa ROM 2021 - 2026	93.658	ACFS 21-206		60,164
<u>Passthrough- INTERNATIONAL AIDS VACCINE INITIATIVE</u>				
MASTER AGREEMENT: INTERNATIONAL AIDS VACCINE INITIATIVE	93.000		HHSN272016000111	620

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Research and development cluster (Continued)				
Department of Health and Human Services (Continued)				
<u>Passthrough- JOHNS HOPKINS UNIVERSITY</u>				
An Examination of the Joint Contributions of Socioeconomic Disadvantage, Genetics, and COVID-19 on the Development of Delay Discounting and Substance Use Across Adolescence	93.279	2005711194	R01DA057552	\$ 2,121
<u>Passthrough- KANSAS CHILD CARE TRAINING OPPORTUNITY</u>				
Infant-Toddler Specialist Network: KCCTO-KITS Partnership	93.575	23358	EES-2021-ITSN-01	(376)
Statewide Infant-Toddler Specialist Network: KCCTO-KITS Collaboration - 2021-2022	93.575	23358		62,513
Statewide Infant-Toddler Specialist Network: KCCTO-KITS Partnership FY 2023	93.575		EES-2021-ITSN-01	935,706
<u>Passthrough- KANSAS DEPARTMENT FOR CHILDREN AND FAMILIES</u>				
E.P.I.C. Skillz Project - FY 19	93.558	EES-2018-KUEPIC-01		
Kansas Enrichment Network FY 2021 - 2023	93.575	49429	Child Care and Development Block Grant	55,655
Kansas Navigator Series for Supported Decision-Making	93.630	KCDD-2023-KUCR-01	2201KSSCDD-D2	29,736
Prevention Grant Evaluation, Families First Prevention Services Act	93.658	PPS-2019-FFPEV		966,844
<u>Passthrough- KANSAS CHILDREN'S CABINET AND TRUST FUND</u>				
HHS/ACF Preschool Development Grant Birth through Five	93.434	90TP0078	HHS-2019-ACF-OCC-TP-1579	
HHS/ACF Preschool Development Grant Birth through Five	93.434	90TP0078-02	90TP0078-02	(880)
HHS/ACF Preschool Development Grant Birth through Five	93.434	PO12995	LOC fund 3592-3070-Z01023	2,929,796
Kansas PDG B-5 Planning Grant 2	93.434		90TP0112-01	369,946
KS ECIDS Distinct Count of Children Project	93.558			325,445
Kansas Workforce Registry	93.575			296,348
Community-Based Grants for the Prevention of Child Abuse and Neglect (CBCAP)	93.590	KUCR-CC-CBCAP-2021-2024-C		193,316
Community-Based Grants for the Prevention of Child Abuse and Neglect (CBCAP)	93.590	G-210LSBCAP	210LSBCAP	176,208
WellBeing Mapping CBCAP Program	93.590		2101KSBC6/BCC6	40,698
<u>Passthrough- KANSAS DEPARTMENT FOR AGING AND DISABILITY SERVICE</u>				
Supported Employment Program	93.243			
CABHI-States	93.243			(1,137)
Medicaid Waiver Functional Eligibility Instrument - HCBS PACE Research	93.793			78
<u>Passthrough- KANSAS DEPARTMENT OF EDUCATION</u>				
Connected Families, Connected Communities - Every Child Thrives!	93.434	652-19-1989	HHS-2018-ACF-OCC-TP-1379	
<u>Passthrough- KANSAS DEPARTMENT OF HEALTH & ENVIRONMT</u>				
Medical Entomology Subject Matter Expert for EHC	93.070	48567 UKCR	NUE1EH001416	3,110
MAVIS Project KCC Perinatal Behavioral Health Activities	93.088	48567 UKCR - Task Order 22052	ASTWH210098	40,285
Kansas Early Childhood Comprehensive Systems	93.110			1,497

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Research and development cluster (Continued)				
Department of Health and Human Services (Continued)				
<u>Passthrough- KANSAS DEPARTMENT OF HEALTH & ENVIRONMT (Continued)</u>				
Master Agreement	93.110	48567 - TO 21007	5UK3MC322410300	\$ 197,745
KSKidsMAP, IRIS Expansion	93.110	23099		788
Kansas Connecting Communities (KCC) Year 5; MAVIS Year 2	93.110	48567, TO 23026	UK3MC32241 and ASTWH210098	424,066
COVID-19 Vaccination Education and Outreach	93.129	48567 TO23056	H8GCS48067-01-00	20,507
CPTED toolkit development	93.136	TO22002		24
Sexual Violence Primary Prevention Community Based Project Evaluation	93.136	TO22057	5NUF2CE002495	72,417
Evaluation of Programs at KU Sexual Assault Prevention and Education Center	93.136	TO 22051	5NUF2CE002495	31,332
Sexual Violence Primary Prevention Community- Based Evaluation	93.136	TO 23051 under contract 48567	NUF2CE002495	10,147
Evaluation of Programs at KU Sexual Assault Prevention and Education Center	93.136	TO 23053, Contract 48567	5NUF2CE002495	273
Community Health Access Section Kansas Statewide Farmworker Health Program Evaluation	93.224	TO22008		27,101
REDCap Vaccine Administration Forms	93.268	KDHE-TO- 21038	CDCRFA-IP19-1901	(11,838)
REDCap Vaccine Administration Forms	93.268	KDHE-TO- 21038	CDCRFA-IP19-1901	12,290
COVID-19 Vaccination Campaigns for Women Transitioning from Incarceration	93.268		6NH23IP922627-02- 06	401
Medical Entomology Subject Matter Expert	93.323	48567, Task Order 21043	NU50CK000549	39,589
KDHE Master Agreement - Ripple Effects Mapping - Task Order 22032	93.387	22032	5NU58DP006823	5,748
Our Tomorrows (KDHE Health Equity) (TO 22066)	93.391	22066		31,905
Development of a Validated Allocation Plan Instrument for Work Opportunities Reward Kansans (WORK)	93.768	KDHE2015-075		(178)
Equipment Exchange: Increasing Access to Equipment Exchange: Increasing Access to Durable Medical Equipment (DME)	93.778 93.778	KDHE2014-11 KDHE2014-011		3,680 3,680
Assistive Technology for Kansans	93.778	21034		88,099
Medicaid Equipment Exchange	93.778	21035		286,612
Healthy Start Initiative: Eliminating Disparities in Perinatal Health	93.926	PO53720		152
Second Step Evaluation Project	93.991	48567 UKCR	NB01OT009228	36,831
CSHCN System of Care Survey	93.994	TO21041		1,755

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Research and development cluster (Continued)				
Department of Health and Human Services (Continued)				
<u>Passthrough- KANSAS DEPARTMENT OF HEALTH & ENVIRONMT (Continued)</u>				
KDHE DAISEY Year 8-11	93.994	TO 22074, Contact 48567	Maternal And Child Health Services Block Grant To The States	\$ 305,292
KDHE DAISEY Year 8-11	93.994	TO 22074, Contact 48567	Maternal And Child Health Services Block Grant To The States	8,789
Monitoring and Evaluating Implementation of the MCH State Action Plan	93.994	48567: TO 22075	B04MCH453217	102,300
Child Care Workforce Appreciation Payments - REDCap Application	93.994	48567	KDHE CCL/ DCF ARPA	6,165
Limited-Scope, Interim Year MCH Needs Assessment (TO 23016)	93.994	23016		125,567
CARE Project Referral Network - IRIS (TO 23027)	93.994	TO23027	2642665103-1000- 1550-2165	42,210
<u>Passthrough- KANSAS STATE UNIVERSITY</u>				
Small Molecule Protease Inhibitors against MERS- CoV	93.855	S18147		49,493
Discovery of Hsp100-selective inhibitors for targeting multiple microbial pathogens	93.855	A00-1041-S001	R01AI141586	103,836
Discovery of Hsp100-selective inhibitors for targeting multiple microbial pathogens	93.855	A00-1041-S002	R01AI141586	19,474
Small molecule inhibitors against 3C-like protease of SARS-CoV-2	93.855	A22-0151-S001	R01AI161085	58,441
Small molecule inhibitors against 3C-like protease of SARS-CoV-2	93.855	A22-0151-S001	R01AI161085	29,811
Developing Bacterial Glycosyltransferase Inhibitors as Anti-Virulence Drugs	93.855	A21-0198-S001	R56AI153202	130,710
<u>Passthrough- KATHERA BIOSCIENCE INCORPORATED</u>				
Ess1: A pathogenic fungal target for a novel class of broad-spectrum therapeutic agents	93.855	R43A116-SUB	R43AI162468	3,064
<u>Passthrough- KICKAPOO TRIBE</u>				
Kickapoo Tribe in Kansas SAMHSA Circle of Care Program Evaluation	93.243	19940	5H79SM08012-02	
Kickapoo Native Connections Evaluation	93.243	24036	1H79SM082694-01	16,425
Kickapoo Tribe in Kansas Tribal CBCAP	93.59	19343		
Grants to Tribes, Tribal Organizations and Migrant Programs for Community-Based Child Abuse Prevention Programs	93.59	1774-000	90CA1874	56,634
Behavioral Health Integration Initiative	93.654	26414	BH171HS0020	120,069
Kickapoo Practices for Wellness Evaluation and Performance Plan	93.762	21173	NU58DP006395	
Kickapoo Opioid Response Project	93.788	24254		
Kickapoo TOR Return to Community Program	93.788	27273	H79T1085715	25,045

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Research and development cluster (Continued)				
Department of Health and Human Services (Continued)				
<u>Passthrough- KINIMMUNE</u>				
Development of a tumor-retentive immunostimulant as adjunct therapy for solid	93.395	SUB27340	R41CA272024	\$ 59,952
<u>Passthrough- LANGSTON UNIVERSITY (PUBLIC UNIVERSITY)</u>				
RRTC: Equity Center in Employment Domain	93.433	LU-520133-2	90RTEM0009-01-00	57,173
<u>Passthrough- LEIDOS BIOMEDICAL RESEARCH INC.</u>				
Development and Application of Antibody Optimization Technologies to Improve Public Health	93.000	18X007	HHSN261200800001E	156,732
<u>Passthrough- LOUISIANA STATE UNIVERSITY</u>				
Small molecules for perturbing iron homeostasis in bacterial biofilms	93.855	PO0000191609	R01AI169344	72,930
<u>Passthrough- MASSACHUSETTS GENERAL HOSPITAL</u>				
Multimodal Dynamics of Parent-Child Interactions and Suicide Risk	93.242	241821	1R21MH130767-01	2,678
<u>Passthrough- MCLEAN HOSPITAL</u>				
SCH: INT: Collaborative Research: Context-Adaptive Multimodal Informatics for Psychiatric Discharge Planning	93.242	401780	1R01MH125740-01	10,990
<u>Passthrough- MICHIGAN STATE UNIVERSITY</u>				
Minding A Mid-America Gap: NIDA/NIAAA Epidemiology Research Training for Clinical Researchers and Clinicians in Currently Under-Served Areas	93.279	RC111814B	R25DA051249	1,601
<u>Passthrough- MINNESOTA DEPARTMENT OF EDUCATION</u>				
Minnesota Interagency Community Voice & SenseMaking Project	93.434	224436	90TP0115-01-00	69,852
<u>Passthrough- NEW MEXICO CHILDREN, YOUTH & FAMILIES</u>				
New Mexico ROM FY2021	93.556	21-5000-21071	G-1801NMF PSS	83,142
<u>Passthrough- NORTHWESTERN UNIVERSITY</u>				
A Family-Genetic Study of Autism and Fragile X Syndrome	93.242	60054681	R01MH091131	20,253
<u>Passthrough- OK DEPARTMENT OF MENTAL HEALTH & SUBSTANCE ABUSE</u>				
Oklahoma Partnership Initiative, Phase 3: Program Evaluation	93.087		90CU009301	17,328
Oklahoma Partnership Initiative, Phase 3: Program Evaluation FY23	93.087	Purchase Order 4529065311	90CU009301	38,500
Oklahoma Infant Toddler Court Program (OKITCP)	93.110			86,121
<u>Passthrough- OREGON DEPARTMENT OF HUMAN SERVICES</u>				
Oregon ROM Reports System	93.658	133972		102,496
<u>Passthrough- PHOTOSONOX, LLC</u>				
Photo-mediated ultrasound therapy for treatment of cutaneous vascular malformations	93.286	23407	R41EB030875	7,956
<u>Passthrough- PRAIRIE BAND</u>				
SAMHSA Garrett Lee Smith Grant Implementation Support Contract: Prairie Band Potawatomi Nation Youth Wellness Services	93.243	PBWC2021-0001	1H79SM082132-01	139,409
<u>Passthrough- SAINT FRANCIS COMMUNITY SERVICES</u>				
KS, NE and TX fathers, couples, and co-parents whose children are involved in the child welfare system will gain the skills and knowledge to be better parents through Saint Francis Fatherhood FIRE	93.086	24372	90ZJ0047-01-00	181,047

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Research and development cluster (Continued)				
Department of Health and Human Services (Continued)				
<u>Passthrough- SEATTLE CHILDREN'S HOSPITAL</u>				
Structural Genomics Center for Infectious Disease	93.000	12797SUB	HHSN27220170005	\$ 92,864
Seattle Structural Genomics Center for Infectious	93.000		Centers for	441,154
Seattle Structural Genomics Center for Infectious Disease Renewal	93.000	12917SUB	75N93022C00036	52,110
<u>Passthrough- STANFORD UNIVERSITY</u>				
Creating high-resolution, epitope-focused vaccines	93.31	62818678- 160634	DP1AI58125	140,826
<u>Passthrough- THE CITY UNIVERSITY OF NEW YORK</u>				
Special Interest Project #4 Disability and Health Date Collaborative: Using Data to Promote the Health and Wellness	93.135	CM00009022	6U48DP006396-04- 01	24,942
<u>Passthrough- UNIV OF CALIFORNIA - BERKELEY</u>				
STEM Escape: Immersing urban and rural families in biomedical mysteries	93.351	00010137	1R25GM132971-01	30,553
<u>Passthrough- UNIV OF NORTH CAROLINA AT CHAPEL HILL</u>				
Nanopore Methods for Determining Capsid Viability	93.103	5122517		155,891
Validation of an Outcome Measure of Early Social- Communication for Young Children with ASD	93.242			10,050
<u>Passthrough- UNIVERSITY OF CALIFORNIA - LOS ANGELES</u>				
Community-Based Self-Determination Intervention to Enhance Goal Setting and Attainment Targeting Employment, Postsecondary Education, Community Participation, and Physical Health Outcomes	93.110		UT2MC39440	16,139
Autism Intervention Research Network on Behavioral Health (AIR-B)	93.877	2000 G YC232	UT339436	172,995
Autism Intervention Research Network on Physical Health (AIR-P)	93.877	1557GZB332	UT2MC39440	16,175
Mapping My Health: A Community Mapping Intervention to Enhance the Self-Determination and Physical Health and Well-Being of Autistic Adolescents	93.877	26133	UT2MC39440	30,942
<u>Passthrough- UNIVERSITY OF CALIFORNIA - SAN DIEGO</u>				
Engineering Native E. coli to Detect, Report, and Treat Colorectal Cancer - 1 U01 CA265719-01	93.394	704918	1U01CA265719	1,426
<u>Passthrough- UNIVERSITY OF DENVER COLORADO SEMINARY</u>				
Prenatal Pathways for Poverty's Influence on the Brains of Two Generations	93.865	SC37547-04-00	R01HD090068 / PO168130	613
<u>Passthrough- UNIVERSITY OF FLORIDA</u>				
Integrative Functional Profiling of Tumor- Derived Extracellular Vesicles	93.394	SUB00002779	R33CA252158	51,608
<u>Passthrough- UNIVERSITY OF GEORGIA</u>				
USING NEUROECONOMICS TO UNDERSTAND ALCOHOL OVERVALUATION IN ALCOHOL USE DISORDER	93.273	SUB00002433	R01AA025911	19,212
The Role of Fathering in the Language Development of Young, Low-Income African American and Latino Children	93.865	SUB00003084	R01HD100557	23,528
<u>Passthrough- UNIVERSITY OF ILLINOIS</u>				
All Our Kids Network University of Illinois IRIS Proposal (Year 5)	93.994	109989-19096		37,453

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Research and development cluster (Continued)				
Department of Health and Human Services (Continued)				
<u>Passthrough- UNIVERSITY OF ILLINOIS - URBANA-CHAMPAIGN</u>				
Rehabilitation Engineering Research Center (RERC) on Technologies to Support Aging-in-Place for People with Long-Term Disabilities	93.433	095457-17810	90REGE0006-01-00	\$ 47,620
<u>Passthrough- UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE</u>				
Kansas University Affiliated Program	93.110	AWD0000226		2
Kansas University Affiliated Program	93.110	GR16306	2 T73MC06623-16-00	2,164
Kansas University Affiliated Program	93.110	AWD-0002295	5T73MC06623-17-	16,173
Translating research into school-based practice via small-group, language-focused comprehension intervention	93.173	GR15603	R01DC018823	15,609
RADx-UP: Improving the Response of Local Urban and Rural Communities to Disparities in Covid-19 Testing	93.310	AWD-0002421		1,988
Localized mHealth approach to boosting COVID-19 testing and vaccine literacy, access, and uptake among women with criminal legal system involvement in three cities	93.310	GR16641	1U01MD017415-01	83,826
SPeCTRE 2.0: The Sunflower Pediatric Clinical Trials Research Extension	93.310	AWD-0001939	5UG10D024943-05	4,571
Working Memory Training as Pretreatment Adjunct to Smoking Cessation.	93.350	ZPBT0030-Collado	5KL2TR002367	1,103
Frontiers: University of Kansas Clinical and Translational Science Institute	93.350	ZPBT0030		108
FY 2022 - Frontiers: University of Kansas Clinical and Translational Science Institute	93.350	ZPBT0044	5TL1TR002368-05	3,752
Frontiers: University of Kansas Clinical and Translational Science Institute	93.350	GR16366	5KL2TR002367-05	5,643
Frontiers: University of Kansas Clinical and Translational Science Institute (Postdoctoral Trainee Aaron Smith)	93.350	ZPBT0044	5TL1TR002368-05	25,395
Down-regulation of Interferon Signaling by Splicing Modulators	93.350	GR17016	2UL1TR002366-06	24,996
Examining the effects of gambling volatility on drinking behavior	93.350	GR16981	TL1TR002368	887
Frontiers: University of Kansas Clinical and Translational Science Institute	93.350	GR16984	2TL1TR002368-06	33,503
Investigating the Challenging Eating Behaviors of Children with Autism at Mealtime	93.350	GR16998	2KL2TR002367-06	17,872
Investigating approved therapeutics for their ability to inhibit the SARS-CoV-2 ADPribosylhydrolase: 2022-2023	93.350	GR17661	2UL1TR002366-06	6,716
The safety and efficacy of megestrol as part of an outpatient feeding protocol for children with chronic medical conditions	93.361	0001673	R01HD093933	15,088
Rural Disparities in Pediatric Obesity: The iAmHealthy Intervention	93.361	GR16395	R01NR016255	13,492
iAmHealthy Parents First	93.361	GR16990	1R01NR019810-01A1	16,160

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Research and development cluster (Continued)				
Department of Health and Human Services (Continued)				
<u>Passthrough- UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE (Continued)</u>				
Sexual Health Empowerment for Jail-Involved Women's Health Literacy and	93.393	ZAR00080	R01CA181047	\$ 14,573
TEAMSPORT to Community TEAMSPORT: Validating and Adapting a Precision Oncology Reflex Testing Team Intervention to Reduce Rural Disparities in Cancer Care Delivery	93.393	GR504883	1R01CA274560	11,244
Automated identification and classification of laryngeal diseases using deep neural networks	93.394	AWD0001832	1R03CA253212-01	183
NCI Cancer Center Support Grant Lead Development & Optimization Shared Resource	93.397	ZPJ00010-Schoenen	P30CA168524	1,833
NCI Cancer Center Support Grant for Biotechnology Innovation and Optimization Center (BIOC)	93.397	ZPJ00030	5P30CA168524-08	19,489
CPS Cancer Prevention and Survivorship Research Program - KUCC Core	93.397	ZPJ00030	P30CA168524	8,378
NCI Cancer Center Support Grant Lead Development & Optimization Share Resource	93.397	GR14141 (ZPJ00030)	P30CA168524	1,224
NCI Cancer Center Support Grant - Cancer Biology Research Program	93.397	ZPJ00030-Neufeld	P30CA168524	8,885
Cancer Center Support Grant	93.397	GR15150	3P30CA168524-09S4	468
Colon Cancer Chemoprevention Through Inhibition of Exportin 1 (XPO1)	93.397	GR16220		2,866
KUCC Spring 2021 Pilot Award: Elucidating and disrupting de novo GBM tumor cell-neuron synapses	93.397	GR16221	P30CA168524	2,381
NCI Cancer Center Support Grant - LDO Core (Hageman)	93.397	GR503588 (Hageman)	2P30CA168524-11	15,773
Personalized T Cell Therapy for Mantle Cell Lymphoma	93.397	GR16875-Forrest	2P30CA168524-11	9,303
Colon Cancer Chemoprevention Through Inhibition of Exportin 1 (XPO1)	93.397	AWD-0002643-Dixon_Extension	2P30CA168524-11	12,815
Cancer Center Support Grant - Drug Discovery, Delivery and Experimental Therapeutics Component (D3ET)	93.397	GR503973	2P30CA168524-11	16,980
Cancer Center Support Grant - Cancer Biology Program	93.397	GR16886	2P30CA168524-11	11,335
NCI Cancer Center Support Grant - LDO Core (Roy)	93.397	GR503588 (Roy)	2P30CA168524-11	19,121
P30 CATCH UP Above Accrual Goal Administrative Supplement Request	93.397	GR16876	P30CA168524	23,258
The Online and Applied System for Intervention Skills (OASIS) - Scaling-up!	93.433	Z1H00040	90DPKT0003	7,901
Project Eagle: Early Head Start	93.600	AWD10000015	07CH011678-03-00	87,987
Quality and Value Innovation Consortium's evaluation of Kansas City Engaging Patients in Care Coordination (KC-EPICC) program	93.775	Q030RD02		5
Syntheses and Biological Evaluation of Underexplored Antibiotics and Analogues	93.839	GR17016-Sathyamoorthi		24,077

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Research and development cluster (Continued)				
Department of Health and Human Services (Continued)				
Passthrough- UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE (Continued)				
RNA-binding protein HuR in liver pathophysiology and carcinogenesis	93.847	ZAZ00040	R01DK119131	\$ 78,232
Weight management for adults with mobility related disabilities	93.847	ZAD000F0		17,518
Single Stage Surgical Intervention for Treatment of Severe Traumatic Brain Injury	93.853	AWD10000115		4,187
Molecular Characterization of Hepatic Organic Anion Transporting Polypeptides	93.859	ZAH00000 MOD1		(211)
Metabolomic Markers of Disease Activity and Therapeutic Response in Autoimmune	93.859	AWD-0001805 Funk		51,260
K-INBRE DRPP: Cortical-striatal correlates of restricted and repetitive behaviors in	93.859	GR15893	5P20GM103418-21	(225)
Teachers and Students for Community-Oriented Research and Education: Linking	93.859	GR16388		31,176
A genome-wide model for estimating DNA transposable element excision rates and	93.859	GR16916	5P20GM103418-22	34,863
K-INBRE Post Doctoral Award: Sensory feedback and electrophysiological markers	93.859	GR16962		38,233
Genetic Examination of Variation in Microbial Pathogen Susceptibility in	93.859	GR16932	5P20GM103418-22	38,183
The Sustainable Heartland Accelerator Regional Partnership (SHARP) Hub	93.859	GR15906- Bergman	(NIH) 5UT2GM130175-03	23,651
K-INBRE Campus Coordinator 2022-2023	93.859	GR16919	GR16919	8,849
Service contract for the Illumina NextSeq550 and MiSeq sequencing systems in the KU	93.859	GR16921	5P20GM103418-22	15,300
K-INBRE Core Facility Support	93.859	GR16963	5P20GM103418-22	12,715
K-INBRE Bioinformatics Core Facility 2022-2023	93.859	GR16911	P20GM103418	142,187
K-INBRE Undergraduate Research Office (URO)	93.859	GR16950	5P20GM103418-22	114,256
K-INBRE Summer Scholars yr 9	93.859	GR16961	PGM103418F	52,469
KINBRE Star Trainees yr 9	93.859	GR16960		29,246
The Kansas Institute for Precision Medicine	93.859	AWD-0001805_Lunte	5P20GM130423-04	3,787
The Kansas Institute for Precision Medicine: Biomedical Engineering Core	93.859	AWD-0001805 Soper BME	5P20GM130423-04	57,885
The Kansas Institute for Precision Medicine - Administrative Core	93.859	AWD0001805 Soper Admin	5P20GM130423-04	96,901
The Kansas Institute for Precision Medicine	93.859	AWD-0001805_Siahaan	5P20GM130423-04	6,453
K-INBRE DRPP: Cortical-striatal correlates of restricted and repetitive behaviors in autism spectrum disorder	93.859	GR16902		107,069
K-INBRE DRPP Mentor Award	93.859	GR16927	5P20GM103418-22	1,879
K-INBRE Undergraduate Research Office (URO)	93.859			10,201
K-INBRE Campus Coordinator 2023-2024	93.859	GR509158	5P20GM103418-23	9,799
KINBRE Star Trainees yr 10	93.859	GR509403	5P20GM103418-23	961
K-INBRE Summer Scholars yr 10	93.859	GR509399	5P20GM103418-23	7,342
Prescribing Smart Aging: Integrating Health Systems with Community-Based Lifestyle Interventions	93.866	GR12141		18,897

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Research and development cluster (Continued)				
Department of Health and Human Services (Continued)				
<u>Passthrough- UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE (Continued)</u>				
Enhanced Mediterranean Diet for Alzheimer's Disease Prevention	93.866	AWD-0001759	1R01AG060157	\$ 5,967
Swerdlow Haplo Group J	93.866	GRI14019	1R01AG061194-01	4,769
Toward a Simple Model Organism for Familial Alzheimer's Disease	93.866	QS855260	5P30AG035982-10	(2,513)
KU ADRC Biomarker Core	93.866	AWD-0002190	1P30AG072973	186,233
Remote Monitoring and Virtual Collaborative Care for Hypertension Control to Prevent Cognitive Decline	93.866	GR16278	4R33AG068483-02	40,871
ADC Developmental Awards: Psychosocial Adjustment and Coping: A Comparison of Racial and Ethnic Minorities and Non-Hispanic White Individuals Living with Dementia	93.866	GR13486 - Jen	P30 AG072973	80
University of Kansas Alzheimer's Disease Research Center (KU ADRC)	93.866	AWD-0002190	5P30AG072973-02	12,483
Guided Episodic Future Thinking to Increase Physical Activity Adherence and Promote Healthy Brain Aging Among Mid-Life Adults	93.866	AWD10000092	1R61AG078087-01	2,121
<u>Passthrough- UNIVERSITY OF MARYLAND - BALTIMORE</u>				
PTPRD phosphatase inhibitors for stimulant use disorders	93.279	20591-2158	DA056039-01	22,441
Adjuvant development of the TLR4 ligand BECC438	93.000	1903173, UMB Ref. No. 4904	HHSN27229180043 C	124,660
<u>Passthrough- UNIVERSITY OF MINNESOTA</u>				
A high-throughput screen for inhibitors of Plk1-interacting checkpoint helicase (PICH)	93.395	N009209201	1R21CA259718-01A1	38,739
Research Training Center on HCBS Outcome Measurement (RTC/OM)	93.433	A008179301	90RT5039-05-00	14,023
Control of Chromosome Segregation by DNA Topoisomerase II	93.859	N006994001	1R01GM130858-01	20,256
<u>Passthrough- UNIVERSITY OF MISSOURI - COLUMBIA</u>				
The Midwest Biomedical Accelerator Consortium (MBArc) - Screening Diagnostic for COVID-19 using Microfluidic Enrichment and Counting of SARS-CoV-2 Particles	93.286	C00072277-1	3U01HL152410-02S1	82,346
Midwest Biomedical Accelerator Consortium: MBArc - RADx COVID-19 Project	93.286	C00072277-2	U01HL152410	136,174
Improve cancer immunotherapy by targeting RNA-binding protein HuR	93.310	C00066571-6	U01HL152410	94,371
ImmunAdvisor: High-Throughput T Cell Receptor Discovery for Affordable Commercial Personalized Cancer Therapies	93.310	C00066571-5	U01HL152410	61,477
Midwest Biomedical Accelerator consortium: MBArc	93.310	C00066571-8	U01HL152410	151,426
Midwest Biomedical Accelerator Consortium: MBArc	93.310	C00066571-10	U01HL152410	24,007
<u>Passthrough- UNIVERSITY OF MISSOURI - KANSAS CITY</u>				
KC HealthTracks	93.137	00094041-	CPIMP151115-04-00	18

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Research and development cluster (Continued)				
Department of Health and Human Services (Continued)				
<u>Passthrough- UNIVERSITY OF NOTRE DAME</u>				
Chaperone therapeutics for the treatment of DPN	93.853	203645KU	7R01NS075311-06	\$ 221
<u>Passthrough- UNIVERSITY OF SOUTH CAROLINA</u>				
Understanding Community Obesity Initiatives and Informing Tailored Community Interventions to Reduce Childhood Obesity	93.847	22-4653 PO#200006155 5	1R01DK129307-01	101,784
<u>Passthrough- UNIVERSITY OF UTAH</u>				
Novel therapeutic strategy for renal fibrosis by targeting RNA-binding protein HuR targeting	93.847	10052956-01	1R01DK123727-01	43,351
<u>Passthrough- UNIVERSITY OF VERMONT</u>				
University of Vermont Center on Tobacco Regulatory Science	93.077	32359SUB5249 1	U54DA036114	(4)
<u>Passthrough- UNIVERSITY OF VIRGINIA</u>				
Targeted Small Molecule Inhibitors for Inv(16) Leukemia	93.395	GB10639_PO_ 2091174	R01CA234478	80,693
<u>Passthrough- UNIVERSITY OF WASHINGTON</u>				
Functional Genomics for Chlamydia	93.855	UWSC14157	2R01AI126785-06A1	139,286
<u>Passthrough- UNIVERSITY OF WISCONSIN-MADISON</u>				
RE-PACT: respiratory exacerbation plans for action and care transitions for children with severe cp	93.838	0000001324	1R34HL153570=01A 1	23,516
Subtotal: Department of Health and Human Services- Passthrough				15,531,111
Total: Department of Health and Human Services				47,754,217
Department of Justice				
<u>Direct</u>				
Macro-Level Influences on Police Decision-Making and Engagement with Victims of Serious Violent Crimes: A Narrative Case	16.560	2019-V3-GX- 0001		(981)
Kansas Law Enforcement Accreditation Program (KLEAP)	16.710	15JCOPS-21- GK-02540-		68,074
Rural Law Enforcement Training	16.753	15PBJA-22-GG-		136,652
Subtotal: Department of Justice- Direct				203,745
Total: Department of Justice				203,745
Department of Transportation				
<u>Direct</u>				
Master Agreement - Center of Excellence for Master Agreement: Unmanned Aircraft Systems (UAS) Center of Excellence (COE)	20.109	15-C-UAS-KU- 692M15-18-D- 00015		1,235,048
Companion IDIQ Contract Proposal	20.000			1,094
Innovative Practices to Educate Bridge Engineering Practitioners	20.000	693JJ321C000 025		21,370
Improved Detailing in Steel Bridges to Prevent Constraint-induced Fracture	20.000	693JJ321C000 026		61,163
Subtotal for AL No. 20.000				82,533
Subtotal: Department of Transportation- Direct				1,318,675
<u>Passthrough- HKA</u>				
ACRP 01-45 - Selecting, Procuring, and Implementing Airport Capital Project Delivery Methods.	20.200	A01-45		3,827

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Research and development cluster (Continued)				
Department of Transportation (Continued)				
<u>Passthrough- IOWA DEPARTMENT OF TRANSPORTATION</u>				
Phase III Iowa Pore Index: Morphometric Properties of Aggregates	20.205	20-SPR1-003		\$ 85,257
<u>Passthrough- IOWA STATE UNIVERSITY</u>				
Robust Wireless Skin Sensor Networks for Long-term Fatigue Crack Monitoring of Bridges	20.205	022355B		26,926
2016 Work Zone and Guardrail Safety Training Grant	20.215	436-17-35C		1,118
<u>Passthrough- KANSAS DEPARTMENT OF TRANSPORTATION</u>				
Create Webinar Series Geared Toward Local Emerging Topics and Innovations	20.200	RE-0826-01		527
Purchase of Traffic Engineering Radar Devices	20.200	171-22, Project no. RE-0868-01	Highway Research and Development Program	7,800
Construction of Low-Cracking High-Performance Bridge Decks Incorporating New Technology - 2019	20.205	RE-0778-01		2,701
Technical Services for the Kansas Rural Transit Assistance Program (RTAP)	20.509	PT-0511-42		10,119
Technical Services for the Kansas Rural Transit Assistance Program (RTAP) FY2023	20.509	PT-0511-43		237,280
Self De-Icing LED Signals	20.000	RE-0721-01		5,137
<u>Passthrough- MODJESKI MASTERS</u>				
Assessment of Ultra-High Toughness Steel for Highway Bridges	20.205		693JJ321C000029	57,459
<u>Passthrough- OK DEPARTMENT OF TRANSPORTATION</u>				
Bond Behavior of Epoxy Coated Reinforcing Bars in Non-proprietary UHPC	20.200	SPR ITEM 2290	Highway Research and Development Program	166,552
Effectiveness of Magnesium-Alumino-Liquid Phosphate-Based Concrete as a Repair Material	20.200	2317-SPRY-0010-091-RS		38,996
<u>Passthrough- TEXAS A&M RESEARCH FOUNDATION</u>				
Placement of PANDA-AP (Pavement Analysis using Nonlinear Damage Approach for Airports)	20.106	M2000379	692M15-19-T-000027	71,178
Performance Prediction and Analysis of Airfield Pavements Subjected to Next Generation Aircraft	20.108	12-S151230		(52)
<u>Passthrough- UNIVERSITY OF NEBRASKA - LINCOLN</u>				
University Transportation Centers Open Competition	20.701	25-1121-0005-151	69A3551747107	428,169
Subtotal: Department of Transportation-Passthrough				1,142,994
Total: Department of Transportation				2,461,669

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Research and development cluster (Continued)				
Department of the Interior				
<u>Direct</u>				
Critical Minerals in Pennsylvanian black shales of the US Midcontinent	15.073	G23AC00093-00		\$ 75,327
MT DAK Preservation & Curation of Fossil Vertebrates from the Late Cretaceous Hell Creek Formation	15.224	L22AC00625		8,751
Incorporating Climate Uncertainty into Water Allocations in Kansas	15.557	R22AP00291-00		36,485
Pennsylvanian stratigraphic nomenclature reconciliation in the midcontinent	15.808	G21AC10704		89,154
Geologic Mapping in Kansas for FY20	15.810	G20AC00241		1,439
Geologic Mapping in Kansas for FY21	15.810	G21AC10803		68,743
Geologic Mapping in Kansas for FY22	15.810	G22AC00574-00		283,567
Subtotal for AL No. 15.810				<u>353,749</u>
Preserving Kansas Geologic Data, Documents, Samples, and Aerial Photographs; and Surveying Critical Mineral Resources, FY 2020	15.814	G20AP00107		10,504
Preserving Kansas Geologic Data, Documents, Samples, and Aerial Photographs; and Surveying Drill Hole/Core Holdings Relating to Critical Mineral Resources, FY 2021	15.814	G21AP10466-00		26,056
Preserving Kansas Geologic Data, Documents, Samples, and Aerial Photographs; and Surveying Drill Hole/Core Holdings Relating to Critical Mineral Resources	15.814	G22AP00354-02		112,411
Subtotal for AL No. 15.814				<u>148,971</u>
Maintain and expand existing Kansas-based data services to the NGWMN, 2021-2022	15.980	G21AC10419		103,338
Long Term Property Curation with the University of Kansas	15.000	140R6022P0002		67
Subtotal: Department of the Interior- Direct				<u>815,842</u>
<u>Passthrough- AMERICAVIEW INC.</u>				
StateView Program Development and Operations for the State of Kansas	15.815	AV18-KS-01	G18AP00077	36,958
<u>Passthrough- EMPORIA STATE UNIVERSITY</u>				
Nutrient cycling and biogeochemical processes in aquatic moist-soil unit habitats at the Flint Hills National Wildlife Refuge	15.654	030700793-21-01	F20AC12120-00	614
<u>Passthrough- KANSAS DEPARTMENT OF WILDLIFE AND PARKS</u>				
Geographic Information System (GIS) & Remote Sensing Support Services	15.611	CRA-GISFY22- FY24	F21AF01895-00	142,874
5-year review of Species of Greatest Conservation Need	15.634	25979 KBS_SWAP		666
<u>Passthrough- KANSAS STATE HISTORICAL SOCIETY</u>				
2022 Grinter Place State Historic Site (14WY316) Geophysical Survey Contract	15.904		Historic Preservation Fund	3,076

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Research and development cluster (Continued)				
Department of the Interior (Continued)				
<u>Passthrough- KANSAS WATER RESOURCES INSTITUTE</u>				
Experimental and Modeling Investigation of Fluid-Fluid and Rock-Fluid Compatibility between Arbuckle and Lansing Kansas City Formations with the Purpose of Produced Water-Exchange Between the Two Form	15.805	A22-0176-S002	G21AP10634-00	\$ 573
Benthic Cyanobacterial Mats: A Potential Source of Harmful and Nuisance Compounds to Kansas Streams	15.805	A22-0176-S001		5,349
Simulating the effects of reservoir management strategies on in-stream sediment load, streambank stability, and water quality - 2022	15.805	A22-0176-S003		17,523
Spatial variability and subsurface controls of groundwater recharge and nutrient mobilization in dry streams	15.805	A22-0176-S004	G21AP10634-00	21,826
Herbal medicine for sick ponds: Are native aquatic macrophytes a cheap and easy way to mitigate HABs?	15.805	A22-0176-S006	G21AP10634-00	4,666
Unraveling Spatiotemporal Patterns in Watershed Nutrient and Sediment Yields under Conditions of Ongoing Rapid Crop Conversion using Direct Sampling and Remote Sensing Observations	15.805	A22-0176-S007	G21AP10634	15,996
Forecasting streamflow and groundwater depletion with deep learning models to sustain Kansan water resources	15.805	A22-0176-S005	G21A10634-00	12,980
<u>Passthrough- SOUTHWEST KANSAS GROUNDWATER MANAGEMENT, DISTRICT #3</u>				
Water Use and Climate Evaluation Service to Irrigators for Drought Resiliency in Southwest Kansas	15.514	25421		18,145
<u>Passthrough- UNIVERSITY OF CALIFORNIA - DAVIS</u>				
Synchrony of native fish movements: synthesis science towards adaptive water management in the Central Valley	15.512	A19-3215-S001	R19AC000051	49,944
Subtotal: Department of the Interior-Passthrough				331,190
Total: Department of the Interior				1,147,032
Department of the Treasury				
<u>Passthrough- JOHNSON COUNTY, KANSAS</u>				
Johnson County Coronavirus State and Local Fiscal Recovery Funds Subrecipient Grant Agreement – Workforce Development	21.027		Coronavirus State and Local Recovery Funds	67,681
<u>Passthrough- KANSAS DEPARTMENT OF HEALTH & ENVIRONMT</u>				
SARS-CoV-2 Wastewater Monitoring (CARES Funded)	21.000	BOW1		12,091

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Research and development cluster (Continued)				
Department of the Treasury (Continued)				
Subtotal: Department of the Treasury- Passthrough				\$ 79,772
Total: Department of the Interior				79,772
Institute of Museum and Library Services				
<u>Direct</u>				
Advancing Research Collaboration in the Humanities	45.130	CH-50951		425,000
Humanities Challenge Project II	45.130	CH-20811		521,125
Subtotal for AL No. 45.130				946,125
Black Book Interactive Project III	45.149	PW-277575-21		134,295
Gothic Manuscripts, 1320-1390	45.160	FEL-273019-21		1
Patriarchy, Politics, and Christine de Pizan's Influence on English Literature, 1400 1478	45.160	FED-273163-21		9,882
Subtotal for AL No. 45.160				9,883
Subtotal: Institute of Museum and Library Services- Direct				946,125
<u>Passthrough- HUMANITIES KANSAS</u>				
The Roots of Pentecostalism in Kansas	45.129	218037MJ	SO-253126-17	(10)
Subtotal: Institute of Museum and Library Services- Passthrough				(10)
Total: Institute of Museum and Library Services				1,090,293
National Aeronautics and Space Administration				
<u>Direct</u>				
Controls on Iceberg Distribution Around Greenland	43.001	NNX16AJ90G		43,295
What Shapes the Passive Galaxy Population in Distant Clusters?	43.001	80NSSC19K05 92		28,561
Understanding the Role of Quenching and Merging with a Spitzer Archival Study				
Particle Astrophysics with the Payload for Ultrahigh Energy Observations (PUEO): A Next Generation Long-duration Balloon- borne Instrument for the Cosmic High Energy Frontier KUCR Co-PI	43.001	80NSSC20K07 76		49,253
AGILE: Advanced enerGetic Ion eLectron telescope	43.001	80NSSC19K07 14		48,525
Global Satellite-Based Prediction of Drought Evolution	43.001	80NSSC20K17 99		112,320
A feasibility study of Raman optical activity for the detection and discrimination of chiral biological compounds for planetary science instrumentation	43.001	80NSSC20K10 93		4,777
Operational Multichannel Snow Radar for Swath Mapping of Snow Layers on Ice Sheets, Sea Ice, and Land	43.001	80NSSC20K12 42		62,186
How Do Undetected AGN Affect Galaxy Evolution?	43.001	80NSSC20K15 46		3,252
Integration of the Snow Radar onto a Long- Endurance Unmanned-Aerial-Vehicle for Thickness Measurements of Snow over Sea- Ice and Land-Ice	43.001	80NSSC20K10 77		606

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Research and development cluster (Continued)				
National Aeronautics and Space Administration (Continued)				
<u>Direct</u>				
Probing Quenching in the Cosmic Web using Spatially-Resolved Star Formation Maps from WISE and GALEX	43.001	80NSSC21K06 41		\$ 71,260
Supplemental funding for Integration of the Snow Radar onto a Long-Endurance Unmanned-Aerial-Vehicle for Thickness Measurements of Snow over Sea-Ice and Land-Ice	43.001	80NSSC21K20 72		9,630
How much do AGN host galaxies contribute to cosmic star formation?	43.001	80NSSC22K15 94		41,587
Managing Temporal Trade Offs through Irrigation and Yield Forecasting to Advance Groundwater Conservation	43.001	80NSSC22K12 76		1,453
Subtotal for AL No. 43.001				<u>476,705</u>
Development of an integrated system for cell analysis and profiling by capillary electrophoresis-mass spectrometry	43.012	80NSSC20K12 08		<u>62,944</u>
Subtotal: National Aeronautics and Space Administration- Direct				<u>539,649</u>
<u>Passthrough- ALDRIN FAMILY FOUNDATION</u>				
PROJECT IANOS: PAST, PRESENT, FUTURE	43.008	00099511		3,099
<u>Passthrough- AMHERST COLLEGE</u>				
Multipass and tomography enabled data products for subsurface characterization and ice sheet model refinement	43.001	GRT00206-K1	80NSSC21K0753	53,021
<u>Passthrough- CORNELL UNIVERSITY</u>				
Oceans Across Space and Time	43.001	142075-21982	80NSSC22K1409	40,646
<u>Passthrough- DARCORPORATION</u>				
Learning Autopilot Systems for Unmanned Aerial Systems	43.000	22952	80NSSC19C0102	(1,969)
<u>Passthrough- GEORGIA INSTITUTE OF TECHNOLOGY</u>				
Oceans Across Space and Time	43.001	AWD-102551- G3	80NSSC18K1301	(10)
<u>Passthrough- JET PROPULSION LAB - CALIFORNIA TECHNOLOGY</u>				
TESS Planet Validation with AO Imaging VII	43.001	1682064-B- 4.25		12,386
2023A Keck/NIRC2: TESS Planet Validation with AO Imaging VIII	43.001	1690158		4,045
<u>Passthrough- MISSISSIPPI STATE UNIVERSITY</u>				
Spectrum Management Framework for Unmanned Aerial Systems and Traffic Management in BVLOS: From Assessment to Modeling and Analysis	43.000	193700.361561 .01	08078 80NSSC20M0261	128,368
<u>Passthrough- NASA GODDARD SPACE CENTER</u>				
Cryospheric Uncrewed-Aerial-System Experiment	43.001	80NSSC22K19 35		585,227
<u>Passthrough- SMITHSONIAN ASTROPHYSICAL OBSERVATORY</u>				
Does Excess Mid-Infrared Emission Reliably Signal an AGN?	43.001	AR0-21012X	NAS8-03060	3,729
<u>Passthrough- SOUTHWEST RESEARCH INSTITUTE</u>				
Microhabitable Environments in Ice	43.001	Q99048JA	80NSSC22K004	54,867

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Research and development cluster (Continued)				
National Aeronautics and Space Administration (Continued)				
<u>Passthrough- SPACE TELESCOPE SCIENCE INSTITUTE</u>				
The Life and Death of Ultra-Hot Jupiter WASP-12b	43.001	HST-GO- 16236.002-A		\$ 21,039
PRIMER: Public Release IMaging for Extragalactic Research	43.001	JWST-GO- 01837.062.A	NAS5-03127	6,537
Toward a Spatially-resolved Kennicutt- Schmidt Law in High-redshift Cluster Galaxies: the Interplay Between Molecular Gas, Star Formation, and Stellar Mass with ALMA and HST	43.012	HST-GO- 16300.004-A		8,382
GOGREEN Survey: The Relationship between Quenching, Morphological Transformation and Size Growth of Satellite Galaxies	43.000	HST-GO- 15294.012-A	NAS5-26555.	1,336
Seeing in 3D: Unlocking the dynamical properties of a canonical exoplanet	43.000	HST-GO- 15813.009-A		15,862
Atmospheric characterization of two temperate mini-Neptunes formed in the same protoplanetary nebula	43.000	HST-GO- 15814.013-A	HST-GO-15814.013- A	39,896
The Atmospheric Diversity of Mini-Neptunes in Multi-planet Systems	43.000	HST-GO- 15333.018-A	NAS5-26555	8,042
Exploring the Demographics of Exo- Neptunes: Atmospheric Characterization of a Cool Sub-Neptune from TESS	43.000	HST-GO- 16181.002-A		1,741
Obscured CANDELS: Disentangling Obscuration around Supermassive Black Holes in the Distant Universe	43.000	HST-AR- 16137.006-A		24,055
Illuminating the AGN-Galaxy Connection with JWST: AGN Host Demographics During the Era of Galaxy Assembly	43.000	JWST-AR- 02446.012-A	nAS5-03127	10,327
Revealing Low Luminosity Active Galactic Nuclei (ReveaLLAGN)	43.000	JWST-GO- 02016.014-A	NAAS5-03127	7,624
<u>Passthrough- UNIVERSITIES SPACE RESEARCH ASSOCIATION (USRA)</u>				
A Hot Meal: Mapping the Molecular H2 Feeding the Milk Way's Supermassive Black Hole	43.001	09-0205	NNA17BF53C	8,947
<u>Passthrough- UNIVERSITY OF CALIFORNIA SANTA CRUZ (UCSC)</u>				
Follow the Volatiles: Tracing chemical species relevant to habitability from proto- planetary disks to exoplanet atmospheres	43.001	A21-0406-S003	80NSSC21K0597	21,331
<u>Passthrough- UNIVERSITY OF CHICAGO</u>				
The Payload for Ultrahigh Energy Observations (PUEO): A Long-duration Balloon-borne Instrument for Particle Astrophysics at the Highest Energies	43.001	AWD101921 (SUB00000468)	80NSSC21M0116	70,197
<u>Passthrough- UNIVERSITY OF COLORADO</u>				
Do Habitable Worlds Require Magnetic Fields	43.001	1559320	80NSSC20K0594	43,523
Participation in NASA Mars Atmosphere and Evolution mission	43.000	1546525	NNH1OCCO4C	167,026

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Research and development cluster (Continued)				
National Aeronautics and Space Administration (Continued)				
Passthrough- UNIVERSITY OF MASSACHUSETTS - AMHERST				
Characterizing future changes in glacier melt, snow melt, and regional runoff to inform adaptation decisions in high mountain dependent economies	43.001	20-015928-A-00	80NSSC20K1299	\$ 90,440
Passthrough- UNIVERSITY OF OKLAHOMA				
Analysis of TRMM-GPM Observations to Improve Our Process-Level Understanding and Modeling of Latent Heating in Tropical Easterly Waves	43.008	2019-65	80NSSC19K0720	27,844
Passthrough- UNIVERSITY OF WASHINGTON				
Fjord systems, marine mammals, and subsistence hunting in East Greenland	43.001	UWSC12177	80NSSC20K1361	4,299
Passthrough- WICHITA STATE UNIVERSITY				
MICE: A High Power Density Free Piston Engine	43.008	R52123-21-00864	80NSSC19M0042	8,995
Artificial Intelligence Assisted Spacecraft Trajectory Optimization and Planning	43.008	R52638-21-00689	80NSSC20M0217	39,117
MICE: A High Power Density Free Piston Engine	43.008	R52146-21-00865	80NSSC19M0042	(1,101)
Appendix C: SMD Earth Sciences Division: Assimilation of Satellite Data for Predicting Cyanohabs in Kansas	43.008	R52930-22-00271	NNH21ZHA002C	24,417
KSC Exploration Systems and Development: Moon to Mars - Gas Separation Processes for High Purity Methane Production	43.008	R52931-22-0272	80NSSC21M0161	31,583
Design and Development of Flexible Self-powered Energy Conversion and Storage Devices	43.008	R52123-21-02186	80NSSC19M0042	4,943
Kansas National Space Grant College and Fellowship Program - Opportunities in NASA STEM FY 2020-2024	43.008	R52545-22-00181	80NSSC20M0109	25,226
Multifunctional Ceramics for Space and Aircraft Applications	43.008			19,226
SRI: Enhancing Sustainability and Resilience of Solid-State Battery Systems for Space Exploration via Precision Prognostics and Health Management	43.008	R53187-23-00161	80NSSC22M0028	29,697
Experimental Measurement of Granular Flow Free Colling in Microgravity	43.008	R53434230066 1	NNH227HA002C	40,023
Kansas National Space Grant College and Fellowship Program - Opportunities in NASA STEM FY 2020-2024	43.008	R52545-23-00341	80NSSC20M0109	42,014
Anytime Perception and Control for Intelligent and Safe Advanced Air Mobility	43.008	R53187-23-01410	80NSSC22M0028	889
Developing NASA partnerships for a Space Fungal Ecology Program	43.012	R53187230014 2		416
Subtotal: National Aeronautics and Space Administration- Passthrough				1,727,302
Total: National Aeronautics and Space Administration				2,266,951

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Research and development cluster (Continued)				
National Science Foundation				
Direct				
Biomechanical Rehabilitation Engineering Advancement in Kansas	47.041	CBET-1160130		\$ (187)
Non-classical Micromorphic Continuum Model for Granular Microstructure Design	47.041	CMMI-1727433		25,947
CAREER: Pore-Scale Multiphase Mass Transfer in Porous Electrodes	47.041	CBET-1941083		47,969
FEWtures: Innovation Analysis Framework for Resilient Futures, with Application to the Central Arkansas River Basin	47.041	CBET-1856084		402,057
CAREER: Advanced Thermal Management of Lithium-Ion Battery Packs: Combining Physics-Based and Machine Learning Models toward High Thermal Safety	47.041	CMMI-1847651		58,691
Collaborative Research: Development of Atomically Thin Tunnel Barriers for High-Performance Tunnel Junctions	47.041	ECCS-1809293		466
CAREER: Quantification of the kinetic energy of particles in complex flows using magnetic particle tracking	47.041	CBET-1944187		72,614
CAREER: Spectrokinetic Studies for Understanding Metal-Support Interactions in Catalytic Oxidation of Ethanol	47.041	CBET-1847655		86,808
Assessing the Influence of Hazard Mitigation Planning on Disaster Recovery	47.041	CMMI-1760183		25,923
RET Site: Exploring Career Opportunities through Water-Themed Engineering Research (ECO-WaTER)	47.041	EEC1801710		117,706
Engineering the Ionic Polymer Phase-Fluid Interface of the PEM Fuel Cell Catalyst Layer for Higher Performance	47.041	CBET-1803058		5,578
CAREER: Integrated Modeling of Hazard Mitigation Stakeholder Networks for Compassionate, Sustainable Risk Reduction	47.041	CMMI-1751696		107,175
CAREER: Thermo-responsive absorbent with selective absorption for miscible liquids separation	47.041	CBET-1944314		22,990
CAREER: Assessing the Role of Buildings and Organizations in Community Disaster Resilience	47.041	CMMI-1847373		32,535
REU SITE: IDEA Incubator for Porous Materials: Integrating Discovery, Engineering and Art	47.041	EEC-1852308		81,408
RAPID: 2018 Hurricane Season: Assessing the performance of elevated wood buildings, including manufactured housing, in the wake of Hurricane Michael	47.041	CMMI-1903486		181
PFI-RP: Development of Continuous Process Concepts for Upgrading Lignin in Biorefineries	47.041	IIP-1919267		131,037
Collaborative Research: Development and Application of a Molecular an Process Design Framework for the Separation of Hydrofluorocarbo Mixtures	47.041	CBET-1917480		90,214

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Research and development cluster (Continued)				
National Science Foundation (Continued)				
Direct				
MRI: Acquisition of an Advanced Gravimetric Analyzer for Material Research at KU-Lawrence	47.041	CBET-1920252		\$ (12,330)
EFRI DChEM: Next-generation Low Global Warming Refrigerants	47.041	EFMA-2029354		376,320
Manipulating Mycorrhizal Fungi: Plant Symbionts in Organic Agriculture	47.041	IIP-2016549		87,337
EAGER: High-Energy-Density Storage for Renewable Energy Sources for Environmental Sustainability	47.041	CBET-2024378		319
Planning Grant: Engineering Research Center for Environmentally Applied Refrigerant Technology Hub (EARTH)	47.041	2123852		37,495
RET Site: Inquiry Driven Engineering Activities using Bioengineering Examples (IDEA-BioE)	47.041	EEC-2055716		107,535
Team Iconium - Environmentally Applied Research Towards Hydrofluorocarbons	47.041	2140448		943
The Kansas University Refrigerant Ionic liquid SEparation (KU-RISE)	47.041	2213965		56,790
CAREER: Thermal proteome profiling applications for in-situ bioreporting of contaminant degradation in soils	47.041	2237889		15,035
REU SITE: IDEA Incubator for Porous Materials: Integrating Discovery, Engineering and Art	47.041	EEC-2243816		27,456
Subtotal for AL No. 47.041				2,006,012
MRI: Development of UHV SPM-TERS in situ Characterization Interfaced with UHV Sputtering-Atomic Layer Deposition System	47.049	DMR-1337737		(12,873)
Collaborative Research: Mapping and Tracking Conformational Control of Nitric Oxide Synthase Activation	47.049	CHE-1710613		(167)
CAREER: First Principles Evaluation of Optical Activity in Solids	47.049	CHE-1650942		45,339
New algorithms to enable faster, more accurate analysis of hydrogen exchange mass spectrometry data	47.049	CHE-1709176		7,077
INFEWS N/P/H2O: Supramolecular Recognition and Catalysis Targeting Phytate, an Organic Sink for Phosphate in the Human Phosphorus Cycle	47.049	CHE-1710535		65,251
Collaborative Research: The Effect of Filaments on the Gas in Galaxies	47.049	AST-1716690		6,926
Adaptive Data Assimilation for Nonlinear, Non-Gaussian, and High-Dimensional Combustion Problems on Supercomputers	47.049	DMS1723066		7,825
Dynamic elements: effects of co-solvents on peptide folding pathways	47.049	CHE-1807852		3,037
Ultrafast Dynamics of Highly Excited Molecules in th Condensed Phase	47.049	CHE-1956387		66,788

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Research and development cluster (Continued)				
National Science Foundation (Continued)				
Direct				
Design of oligozulene-based organometallics for probing new paradigms in charge delocalization, transport, and storage at the nanoscopic scale	47.049	CHE-1808120		\$ 37,141
CAREER: New frontiers for Frobenius, singularity theory, differential operators, and local cohomology	47.049	DMS-1945611		77,001
Synthesis via Decarboxylative Activation	47.049	CHE-1800147		5,059
Periodic KPZ Universality	47.049	DMS-1953687		57,081
Collaborative Research: Extreme Starbursts and Outflows: The Formation of Massive Compact Galaxies	47.049	AST-1814159		7,625
Novel Computational Mathematics for Aperiodic Multilayers	47.049	DMS-1819220		871
Geometric and Electronic Structure Contributions to Bond-breaking and Bond-making Reactions of Mid-valent Manganese-Oxygen Complexes	47.049	CHE-1900384		95,307
Broadband Two-Photon Absorption Spectroscopy for High-Repetition Rate Lasers	47.049	CHE-1905334		80,591
Collaborative Research: Beyond the Bulk Flow: Developing More Powerful Analysis Methods to Test Consistency of Large-scale Flows with the Standard Cosmological Model	47.049	AST-1907404		27,105
A study of hypersurfaces in general position inspired by Frobenius	47.049	DMS-1902321		30,197
Collaborative Research: WoU-MMA: The Radar Echo Telescope for Cosmic Rays and Neutrinos: Toward a Transformative Technology for Neutrino Detection	47.049	PHY-2012989		59,755
Engineering interfaces for high-performance oxide superconductor nanocomposite films	47.049	DMR-1909292		183,662
CAREER: Probing the High Energy Frontier with the CMS Experiment	47.049	PHY-1945038		229,195
REU Site: A Summer Experience for Undergraduates Integrating Research, Education, and Career Development in an Interdisciplinary Environment	47.049	CHE-1950293		132,718
Large Solutions for Systems of Hyperbolic Conservation Laws and Wave Equations in One and Multiple Space Dimensions	47.049	DMS-2008504		75,907
Collaborative Research: WoU-MMA. Extreme Quantum-Electrodynamic and General-Relativistic Plasma Physics	47.049	PHY-2010109		118,245
Collaborative Research: WoU-MMA: Askaryan Radio Array: The world's forefront neutrino astrophysics program from 100 PeV	47.049	PHY-2012951		60,325

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Research and development cluster (Continued)				
National Science Foundation (Continued)				
Direct				
Particle Physics at the Energy Frontier with the CMS Experiment	47.049	PHY-2013007		\$ 335,771
RAPID: COVID-19 Behavior, perception, and control across geographic and economic gradients	47.049	DMS-2028297		12,570
Collaborative Research: Prairie Analysis Seminar 2020-2021	47.049	DMS-2034592		19,481
Direct Calculation of Activation Energies and Entropies for Chemical Dynamics	47.049	2102656		209,943
Elucidating fundamental factors driving self-assembly with guided interactions in multicomponent enzyme systems using model nanostructured platforms	47.049	2108448		158,581
Apples to Apples: Comparing the Cores of Nearby Galaxies	47.049	2115428		58,384
NSF Accelnet: Inter-American Network of Networks of Quantum Chromo-Dynamics Challenges	47.049	2114669		74,692
Stochastic Calculus of Variations and Limit Theorems	47.049	DMS-2054735		5,572
Isotopic and Elemental Abundances in Stars and Planets	47.049	AST-2108686		18,597
Controlling exciton dynamics at interfaces using moire potentials	47.049	2109979		131,318
Modulations of Periodic Waves in Applied Mathematics	47.049	2108749		26,835
REU SITE: University of Kansas Physics and Astronomy Research Experiences for Undergraduates	47.049	PHY2149897		144,347
Periodic Coupled Cluster Methods for Optical Activity in Chiral Crystals	47.049	CHE-2154452		46,081
Properties and Activation Mechanisms of Mn-hydroperoxo and Mn-alkylperoxo Complexes	47.049	2154955		70,806
Regularity and stability for solutions of quasilinear wave type models with singularities	47.049	DMS-2206218		29,876
Nonlinear Wave Models in Domains with a Boundary	47.049	2206270		19,352
Collaborative Research: ACES Galactic Center Mass Flow	47.049	2206509		21,179
Collaborative Research: GOing GREEN at High Resolution - Spatially Deconstructing Environmental Quenching over 9 Billion Years	47.049	AST-2206473		16,034
Catalytic synthesis via small molecule evolution	47.049	2155003		129,846
Collaborative Research: WoU - MMA: The Radar Echo Telescope for Cosmic Rays and Neutrinos: Toward a Transformative Technology for Neutrino	47.049	2306424		47,424
Subtotal for AL No. 47.049				3,043,677

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Research and development cluster (Continued)				
National Science Foundation (Continued)				
Direct				
CAREER: Improving Understanding of Antarctic Glacier Dynamics Through an Interactive Numerical Flowline Model	47.050	OPP-1255488		\$ 5,472
RCN: Facilitating Indigenous Research, Science and Technology (FIRST)	47.050	PLR-1417767		101,893
Collaborative Research: Stability and Dynamics of Antarctic MarineOutlet Glaciers	47.050	PLR-1543530		1,019
Collaborative Research: Mechanisms governing synoptic-scale, rapid cloud dissipation in subtropical marine low clouds	47.050	AGS-1656237		83,067
Collaborative Research: Topographic controls on Antarctic Ice Sheet grounding line behavior - integrating models and observations	47.050	OPP-1745055		30,475
Collaborative Research: Filling in the Central Himalayan Seismic Gap: A Structural, Neotectonic, and Paleoseismic Investigation of the Western Nepal Fault System	47.050	EAR-1827866		119,043
Collaborative Research: Unearthing Antarctica's role in the Late Cretaceous evolution of flowering plants	47.050	OPP-1953993		28,721
CAREER: UAS-Based Radar Suite for Sounding and Mapping Glaciers	47.050	OPP-1848210		75,280
Collaborative Research: Time of Transformation: integrating the dynamic geologic, climatic and biotic systems of North America during the Early to Late Cretaceous transition	47.050	EAR-1925942		66,997
Collaborative Research: What Created the Southern Tibetan Plateau Drainage Divide? Integrated Tectonic and Geomorphic Investigation of the Gangdese Range and Yarlung River	47.050	EAR-1917706		47,489
Collaborative Research: Dry Rifting In the Albertine-Rhino graben (DRIAR), Uganda	47.050	EAR-2021724		92,413
EarthCube Data Capabilities: Collaborative Proposal: Broadenin Community Use and Adoption of StraboSpot	47.050	ICER-1928389		202,862
CAREER: Continental Paleoenvironmental Responses to Carbon Cycle Perturbations During the mid-Cretaceous Greenhouse	47.050	EAR-1941017		1,976
Collaborative Research: EarthChem & SESAR - Data Infrastructure for Geochemistry and Earth Science Samples Communities	47.050	EAR-1948813		16,519
Collaborative Research: Patterns, causes, and consequences of synchrony in giant kelp populations	47.050	OCE02023474		80,029
NSF GEO-NERC: Collaborative Research: Impact of the Plio-Pleistocene Transition on Provenance and Sediment Routing from the Himalaya to the Deep-Sea Benqal Fan	47.050	OCE-2026898		91,734

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Research and development cluster (Continued)				
National Science Foundation (Continued)				
Direct				
Collaborative Research: How roots, regolith, rock an climate interact over decades to centuries - The R3-C Frontier	47.050	2121639	\$	45,548
Collaborative Research: Deployment of Seafloor Optical Fiber Strainmeters for the Detection of Slow Slip Events	47.050	OCE-2127938		36,182
Collaborative Research: EarthCube Capabilities: Open Polar Radar (OPoRa) Software and Service	47.050	2126503		141,762
Collaborative Research: Machine-enabled modeling of terminus ablation for Greenland"s outlet glaciers	47.050	2146703		12,830
Collaborative Research: Catalytic Track: Improving Accuracy and Efficiency of Multicollector Mass Spectrometry	47.050	2149083		19,354
Island Biogeography in Deep Time: The Assembly and Demise of a Uniquely Insular Eocene Mammal Fauna	47.050	2141115		102,748
Collaborative Research: Facility: Next Generation Interoperable Data Infrastructure for Geoscience Sample Data (EarthChem, LEPR/traceDs, SESAR): IEDA Re-invented	47.050	EAR-2148966		11,871
Understanding the formation and impacts of warm-season trans-Atlantic African dust extremes	47.050	2227707		16,741
OCE-PRF: Uncovering the drivers of marine metapopulation synchrony an resilience under climate change (POSTDOC-VADIM KARATAYEV)	47.050	2205794		125,249
Subtotal for AL No. 47.050				1,557,274
CAREER: Unifying Heterogeneity of Extreme-Scale Cyberinfrastructures for Higher Productivity and Performance Portability	47.070	OAC-1942973		142,646
CDS&E: Collaborative Research: A Computational Framework for Reconstructing and Visualizing Myocardial Active Stresses	47.070	OAC-1808553		25,638
CSR: Small: Collaborative Research: Real-Time Computing Infrastructure for Integrated CPU-GPU SoC Platforms	47.070			13,096
AF: Small: Collaborative Research: Effective numerical algorithms and software for nonlinear eigenvalue problems	47.070	CCF-1812927		34,699
Collaborative Research: Intelligent Solutions for Navigating Big Data from the Arctic and Antarctic	47.070	IIS-1838236		57,072
CRII: SaTC: Creating and Managing Structurally-Morphing IT Systems Moving Targets	47.070	CNS-1850406		3,276

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Research and development cluster (Continued)				
National Science Foundation (Continued)				
Direct				
EAGER: SaTC: Early-Stage Interdisciplinary Collaboration: A Sociotechnical Metrics Framework for Network and Security Operations Centers	47.070	CNS-1915824		\$ 249
Collaborative Research: CSL-MultiAD: Assessing Collaborative STEM Learning through Rich Information Flow based on Multi-Sensor Audio Diarization	47.070	IIS-1918012		25,732
SaTC: CORE: Small: Digital Homelessness in the Heartland: Safeguarding and Enhancing the Experiences of Public Internet Users	47.070	CNS-1946180		42,466
CRIL: NeTS: Beyond PHY and Channel Measurements in Millimeter Wave: Towards Low-Overhead and Resilient Multi-hop Networking	47.070	CNS-1948511		46,966
Collaborative Research: CNS Core: Medium: Combating Latency and Disconnectivity in mmWave Networks: From Theory to Implementation	47.070	CNS-1955561		79,213
Collaborative Research: CNS Core: Medium: RUI: Optics without Borders.	47.070	CNS-1956137		108,453
SCH: INT: Collaborative Research: Privacy-Preserving Federated Transfer Learning for Early Acute Kidney Injury Risk Prediction	47.070	IIS-2014552		130,814
Collaborative Research: CPS: Medium: Real-time Criticality-Aware Neural Networks for Mission-critical Cyber-Physical Systems	47.070	CNS-2038923		93,447
MRI: Acquisition of a High-Performance Computing Cluster for Science and Engineering Research at the University of Kansas	47.070	OAC-2117449		645,853
SCC-CIVIC-FA Track A: Connecting Underrepresented Youths with Employment Opportunities	47.070	2133384		755,625
CAREER: SATC: Bridging the Gap Between Research and Practice: Automation and Metrics in Security Operation Centers	47.070	CNS-2143393		96,122
Collaborative Research: CNS Core: Medium: TeTON: A Testbed and a Toolkit for Expediting Investigation of and Accelerating Advancements in All-Optical	47.070	2211990		4,059
Collaborative Research: CCRI: Planning-C: Accelerated Infrastructure for Simulating Future Systems	47.070	2213807		35,802
CAREER: Near-Memory Datacenter	47.070	2239020		5,287
GOALI: CNS: Medium: Communication-Computation Co-Design for Rural Connectivity and Intelligence under Nonuniformity: Modeling, Analysis, and Implementation	47.070	2212565		82,238

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Research and development cluster (Continued)				
National Science Foundation (Continued)				
Direct				
Conference: Student Travel Grant Request for IEEE International Symposium on Performance Analysis of Systems and Software	47.070	2310166		\$ 7,290
Subtotal for AL No. 47.070				2,436,043
Collaborative Research: Discovery and analysis in the cradle of speciation theory: biotic surveys of Melanesia's terrestrial vertebrates	47.074	DEB-1557053		127,116
CAREER: Teaching Modern Biodiversity Science from Fieldwork to Phylogeny: Diversity, Systematics, & Evolution of Ecologically Promiscuous Aquatic Beetles	47.074	DEB-1453452		62,582
Collaborative Research: Fire-Fungal-Plant Feedbacks in Pyrogenic Ecosystems	47.074	DEB-1557000		342
Bridging observational, experimental and genomic insights on species and speciation through comparative analyses in a new vertebrate model systems	47.074	DEB-1457774		25,317
Collaborative Research: Hierarchical Functioning of River Macrosystems in Temperate Steppes - From Continental to Hydrogeomorphic Patch Scales	47.074	EF1442595		2,516
Collaborative Research: Connecting resources to enable large-scale biodiversity analyses	47.074	DBI-1458422		(18)
DIMENSIONS: COLLABORATIVE RESEARCH: The evolution of pollination syndrome diversity in Penstemon	47.074	DEB-1542402		93,011
doseR: a novel linear modeling framework for dosage compensation analysis	47.074	DBI-1661454		121,153
Can improving predictions of soil oxygen dynamics increase understanding of greenhouse gas hotspots and hot moments?	47.074	DEB-1613325		(6)
Dimensions US-China: Collaborative Research: Microbe eco-evolutionary feedbacks as drivers of plant coexistence, diversity gradients, and overyielding	47.074	DEB-1738041		105,964
Collaborative Research: Ecological Dynamics of the Plant-Arbuscular Mycorrhizal Fungal Mutualism: Contribution to Plant Species turnover and Coexistence	47.074	DEB-1556664		24,060
RAPID: Decline and Resilience of White Ash Populations during an Emerald Ash Borer Invasion	47.074	IOS-1644618		(168)
LTREB Renewal: Long-term studies of secondary succession and community assembly in the prairie-forest ecotone of eastern Kansas	47.074	DEB-1655500		56,846

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Research and development cluster (Continued)				
National Science Foundation (Continued)				
Direct				
Collaborative Research: Phylogenetic Systematics and the Evolution of Reproductive Innovation in an Adaptive Radiation of Limnonectes Fanged Frogs	47.074	DEB-1654388		\$ 8,555
Collaborative Research: Phylogenetic Systematics and the Evolution of Reproductive Innovation in an Adaptive Radiation of Limnonectes Fanged Frogs	47.074	DEB-1654388		311
Collaborative Research: Digitization TCN: oVert: Open Exploration of Vertebrate	47.074	DBI-1701932		8,095
Collaborative Research: ABI Development: Cultivating a sustainable Open Tree of Life	47.074	DBI-1759838		135,237
CAREER: A Novel Bioinformatic Infrastructure for Metagenome Assembly	47.074	DBI-1943291		118,855
Bilateral BBSRC-NSF/BIO: CIBR: Structural modeling of interactome to assess	47.074	DBI-1917263		70,106
Collaborative Research: Cestode phylogeny and genomics: A spine for the spineless,	47.074	DEB-1921411		51,097
Collaborative Research: SG: Clonality and the scope for adaptation in heterogeneous	47.074	DEB-1923495		47,896
Collaborative Proposal: MRA: Teleconnections Among Great Plains NEON Sites by Wind and Wing	47.074	DEB-1926596		199,907
CIBR: Collaborative Research: Integrating data communities with BiotaPhy: a computational platform for data-intensive biodiversity research and training	47.074	DBI-1930005		157,732
FSML: Enhancing research support infrastructure at the University of Kansas Field Station	47.074	DBI-1938412		9,000
Chromosomal inversions and gene expression in Mimulus	47.074	MCB-1940785		123,905
COLLABORATIVE RESEARCH: LTREB RENEWAL: The role of ecological heterogeneity in a long-term grassland restoration experiment	47.074	DEB-1922915		56,072
Collaborative Proposal: Frameworks: Internet of Samples: Toward an Interdisciplinary Cyberinfrastructure for Material Samples	47.074			150,753
Collaborative Research: Network Cluster: Geomicrobiology and Biogeochemistry in the Critical Zone	47.074	EAR-2012633		116,366
BBSRC-NSF/BIO: A holistic approach to understand drought adaptation in plants, their symbionts, and free-living microbiomes	47.074	IOS-2016351		245,636
How genomic shock triggers transposition during hybrid dysgenesis	47.074	MCB-2025197		207,041
Collaborative Research: CSBR: Ownership Transfer: Living Stocks: International Culture Collection of Arbuscular Mycorrhizal Fungi	47.074	2027458		42,313

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Research and development cluster (Continued)				
National Science Foundation (Continued)				
Direct				
CSBR: Rehousing of the Mammal Collection at the University of Kansas Biodiversity Institute	47.074	2100955		\$ 128,965
Collaborative Research: Digitization TCN: Extending Anthophila research through	47.074	2101851		75,277
RESEARCH-PGR: Genetics and mechanisms of microbe-dependent heterosis	47.074	IOS-2033621		184,443
REU SITE: The Stressed Life of Cells	47.074	DBI-2051128		133,524
A public workflow for predicting peptide binding structures	47.074	2121063		41,358
CAREER: The genetic mechanisms of sex-ratio meiotic drive and resistance	47.074	MCB-2047052		214,371
MCA: New directions in female aggression research	47.074	IOS-2121849		129,414
EAGER: Toward a tractable genetic model of DNA virus - Drosophila interaction	47.074	MCB-2135167		114,277
Collaborative Research: Phylogeny of Cnidaria - Convergent Evolution of Eyes, Gene Expression, and Cell Types	47.074	2153774		95,583
UKRI/BBSRC - NSF/BIO: Modeling of protein interactions to predict phenotypic effects of genetic mutations	47.074	2224122		20,604
Collaborative Research: Digitization and Enrichment of U.S. Herbarium Data from Tropical Africa to Enable Urgent Quantitative Conservation Assessments	47.074	2223875		42,221
Collaborative Research: BoCP Implementation: Using the Past to Predict the Future: How Physiology and other Functional Traits Determine Survival and Extinction in W. Atlantic Mollusks	47.074	2225011		24,160
MFB: NSF-BSF: Data-Adaptive and Metamorphosis Machine Learning Architectures for Generative Protein Design of Metal Biosensors	47.074	CHE-2226804		205,995
EAGER: Overcoming transformation and germline expression barriers	47.074	2300557		27,003
Subtotal for AL No. 47.074				3,804,787
A Semantic Grammar of Kiowa - kio	47.075	BCS-1664431		3,486
Examining Native Language Variability and its Effects on Second Language Processing: An Event-Related Potentials Investigation of Referential Dependencies	47.075	BCS-1749143		50,868
Neural Mechanisms for Phonological Alternation with High and Low Productivity	47.075	BCS-1826547		59,553
The Genetic History of the Aleut People Learning to pronounce ethnic names as a means of improving inter-ethnic interaction	47.075	BCS-1849338		142,443

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Research and development cluster (Continued)				
National Science Foundation (Continued)				
Direct				
Learning to pronounce ethnic names as a means of improving inter-ethnic interaction	47.075	BCS-1941684		\$ 111,688
Collaborative Research: The Effect of State Disinvestment in Higher Education on Research Quality and Returns to Scale in Science Funding	47.075	SMA-1854849		37,422
Doctoral Dissertation Research: Lexical Acoustics	47.075	BCS-1918404		1,083
Doctoral Dissertation Research: Beyond the Law: Responding to Sexual Violence with Restorative Justice	47.075	SES-2017456		947
Conferences to Strengthen the Kansas Health Economics Community	47.075	SES-1941552		22,731
Enhancing the Perception and Recognition of Spoken Words in a Second Language: A Cue-Weighting Approach	47.075	BLS-2016750		53,835
Collaborative Research: Assessing the Impact of Lead Agency Cross-Functional Authority on City Sustainability Outcomes	47.075	SES-2021044		73,468
Collaborative Research: Dealing with Disruption: Investigating the Micro-level Underpinnings of City Response to the Climate Crisis	47.075	SES-2049917		74,284
Modeling the dynamics of belief formation: Towards a computational understanding of the timing and accuracy of probability judgments	47.075	SES-212112		179,054
Investigating the genetic history of the Central and Southern Plains	47.075	2051397		103,097
Speech perception in younger and older adults: Cue-weighting and contextual information	47.075	2141302		141
Optimized spatial data conflation with topological conditions	47.075	2215155		25,578
Complementizers and Complementation in Bantu Languages	47.075	2140837		70,824
SCISIPBIO: Examining the Career Barriers Confronting African American of Black Biomedical Scientists	47.075	2152437		55,625
Using Publication, Patent, and NSF Grant Data Linked to the Survey of Doctorate Recipients to Understand Science Career Trajectories	47.075	NCSE-2215606		54,820
Subtotal for AL No. 47.075				1,120,947

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Research and development cluster (Continued)				
National Science Foundation (Continued)				
Direct				
Deep Roots: Wide-Spread implementation of community-driven evidence-based Pedagogy	47.076	DUE-1525775		\$ 32,444
CyberCorps: New Scholarships for Service (SFS) Program at the University of Kansas - Jayhawk SFS	47.076	DGE-1565570		283,794
Collaborative Research: Transforming the Evaluation of Teaching: A Study of Institutional Change to Advance STEM Undergraduate Education	47.076	DUE-1726087		55,312
Collaborative Research: Technology Education for Women in Transition: Broadening Participation Through Innovations	47.076	DRL-1907002		239,886
CANSec: The Central Area Networking and Security Workshop	47.076	DGE-1842678		3,878
Collaborative Research: Cool Science: Art as a Vehicle for Intergenerational Learning	47.076	DRL-1906810		134,785
NRT-HDR: The Internet of Catalysis - Harnessing Data Science for Catalyst Design	47.076	DGE-1922649		358,990
Graduate Research Fellowship Program	47.076	DGE-1940699		237,000
Collaborative Research: SaTC: EDU: Hardware Security Education for All through Seamless Extension of Existing Curriculum	47.076	2114157		13,927
Collaborative Research: Peek Inside the Box: Gamified Learning of Computing Hardware Fundamentals	47.076	2142696		13,591
Collaborative Research: ADVANCE Partnership: Empowering scientists to transform workplace climate through the	47.076	2204022		91,334
Subtotal for AL No. 47.076				1,464,941
Collaborative Research: EAGER: A Dual-Band Radar for Measuring Internal Ice Deformation: a Multipass Ice-Penetrating Radar Experiment on Thwaites Glacier and the McMurdo Ice Shelf	47.078	OPP-2027615		66,795
EAGER: Extending Greenland glacier observations using newly-discovered aerial photographs	47.078	2135018		112,073
Investigation into Initial Population Movement into the New World	47.078	2243622		9,889
Collaborative Research: NSFGE0-NERC: Understanding surface-to-bed meltwater pathways across the Greenland Ice Sheet using machine-learning and physics-based models	47.078	2235052		8,379
Subtotal for AL No. 47.078				197,136

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Research and development cluster (Continued)				
National Science Foundation (Continued)				
Direct				
RII Track-1: Microbiomes of Aquatic, Plant and Soil Systems (MAPS) mediating sustainability: An observational and experimental network across Kansas	47.083	OIA-1656006		\$ 3,637,755
RII Track-2 FEC: Marshalling Diverse Big Data Streams to Understand Risk of Tick-borne Diseases in the Great Plains	47.083	1920946		778,364
RII Track-2 FEC: Aquatic Intermittency effects on Microbiomes i Streams (AIMS)	47.083	OIA-2019603		1,445,571
RII Track-2 FEC - Advanced Manufacturing of Renewable and Recyclable Polymers	47.083	2119754		1,400,854
RII Track-1: Adaptive and Resilient Infrastructures driven by Social Equity (ARISE)	47.083	OIA-2148878		1,701,935
MRI: Development of a Reconfigurable Radar for UAS Applications	47.083	2216455		47,199
R11-BEC: Mitigating COVID-19 Career Challenges with Research an Professional Development Training for Undergraduate Students and Mentors in Field-based Environmental Sciences	47.083	OIA-2225863		74,085
RII Track-4:NSF:Assessing Dynamic Connectivity of Streams and Wetlands across Spatial and Human Gradients with Deep Learning	47.083	2229616		46,790
Subtotal for AL No. 47.083				9,132,553
NSF Convergence Accelerator Track G: Combating Vulnerability and Unawareness in 5G Network Security: Signaling and Full-Stack Approach	47.084	ITE-2226447		336,881
NSF Intergovernmental Personnel Act for Joan Sereno	47.000	13 OF69		127,714
Subtotal: National Science Foundation- Direct				25,227,965

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Research and development cluster (Continued)				
National Science Foundation (Continued)				
Passthrough- AMERICAN MUSEUM OF NATURAL HISTORY				
Collaborative Research: All Birds: A Time-scaled Avian Tree From Integrated Phylogenomic and Fossil Data	47.074	A14-2023-1	1655736	\$ 917
Passthrough- AMERICAN PHYSICAL SOCIETY				
PhysTEC: Building a Solution to the National Physics Teacher Shortage	47.049	PT-002-2019	PHY-1707990	12,909
Passthrough- BATTELLE MEMORIAL INSTITUTE				
Reaeration Analyses: SF6, Chloride, Bromide	47.074	US001-0000731738		5,057
Mosquito Taxonomic Identification	47.000	US001-0000732907	NEON Cooperative Agreement	85,423
Dissolved Gas Analyses: CH4, CO2, N2O	47.000	US001-0000732763	NEON Cooperative Agreement	34,682
Passthrough- CARNEGIE MELLON UNIVERSITY				
Dyadic Behavior Informatics for Psychotherapy Process and Outcome	47.075	1122586-438046	IIS-1722822	13,950
Passthrough- COLUMBIA UNIVERSITY				
Collaborative Research: Frameworks: Internet of Samples: Toward an Interdisciplinary Cyberinfrastructure for Material Samples	47.070	1(GG015554-01)	OAC-2004839	60,775
Passthrough- CORNELL UNIVERSITY				
U.S. CMS Upgrades for the HL-LHC	47.049	79433-20679	PHY-1946735	48,618
Passthrough- COUNCIL FOR OPPORTUNITY IN EDUCATION				
ITEST Strategies proposal - iStrongG (Inclusive, Strong and Green): A student-centered systems thinking-based curriculum.	47.076	1759163-3		15,502
Passthrough- DONALD DANFORTH PLANT SCIENCE CENTER				
BI1: New Roots for Restoration: integrating plant traits, communities, and the soil ecosphere to advance restoration of natural and agricultural systems	47.074	24409-K	2120153	426,819
Passthrough- DUKE UNIVERSITY				
Human and Natural Forcings of Critical Zone Dynamics and Evolution at the Calhoun Critical Zone Observatory	47.050	14-NSF-1078	EAR-1331846	1
Passthrough- GEORGIA STATE UNIVERSITY				
Smart and Safe Prescribed Burning for Rangeland and Farmland Communities	47.070	SP00015053-01	CNS-2125361	2,822
Passthrough- HASKELL FOUNDATION				
Large-scale CoPe: Rising Voices, Changing Coasts: The National Indigenous and Earth Sciences Convergence Hub	47.075	HFKU-01	2103843	43,989
Passthrough- INDIANA UNIVERSITY				
CIF21 DIBBS: Middleware and High Performance Analytics Libraries for Scalable Data Science	47.070	BL-4848800-UK		(1,886)

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Research and development cluster (Continued)				
National Science Foundation (Continued)				
<u>Passthrough- KANSAS STATE UNIVERSITY</u>				
LTER: Manipulating drivers to assess grassland resilience	47.074	A21-0332-S003	DEB-2025849	\$ 47,612
GP-IN: SOARING: Sharing Opportunities, Approaches, and Resources in New Geo-teaching	47.078	A21-0163-S001	OPP-2022964	18,756
<u>Passthrough- NATIONAL RADIO ASTRONOMY OBSE</u>				
NRAO Student Observing Support (SOS) Proposal to support Benjamin Moreau	47.049			14,007
<u>Passthrough- NATIONAL SCIENCE FOUNDATION</u>				
RAPID: Collaborative Research: Digitize a track, save a dinosaur!	47.050	EAR-2035530		4,404
<u>Passthrough- NATURAL HISTORY MUSEUM OF LOS ANGELES COUNTY</u>				
Digitization PEN: Collaborative Research: The Cretaceous World Connecting the Cretaceous Seas of North America	47.074	1902262	1902262	2,711
<u>Passthrough- NEW YORK UNIVERSITY</u>				
Melting at Thwaites grounding zone and its control on sea level (THWAITES-MELT)	47.050	F0691-02	Melting at Thwaites grounding zone and its control on sea level (THWAITES-MELT)	40,444
<u>Passthrough- OREGON STATE UNIVERSITY</u>				
Center for OLDest Ice EXploration (COLDEX)	47.078	S2306L-I	OPP-2019719	832,318
<u>Passthrough- PENNSYLVANIA STATE UNIVERSITY</u>				
NSFPLR-NERC: Ground Geophysics Survey of Thwaites Glacier	47.050	5860-UKCR-NSF-8934	OPP-1738934	66,986
<u>Passthrough- SOUTH DAKOTA SCHOOL OF MINES</u>				
RII Track-2 FEC: The IceCube EPSCoR Initiative (IEI) - IceCube and the Data Revolution	47.083	SDSMT- KU 21-05	OIA-2019597	318,170
<u>Passthrough- TEXAS A AND M UNIVERSITY COLLEC</u>				
Broadening Community Use and Adoption of StraboSpot	47.050	M2301358	ICER-1928348	191,512
<u>Passthrough- UNIVERSITY OF ALABAMA-BIRMINGHAM</u>				
Bill: IISAGE - Discovering the Mechanisms and Evolution of Aging Differences Between Females and Males	47.074	000535058-SC001	2213824	7,267
<u>Passthrough- UNIVERSITY OF ILLINOIS-CHICAGO</u>				
Collaborative Research: Improving Multi-dimensional Assessment and Instruction: Building and Sustaining Elementary Science Teachers' Capacity Through Learning Communities	47.076	19233	DRL-1813737	16,679
<u>Passthrough- UNIVERSITY OF IOWA</u>				
RII Track-2 FEC: Critical Resource Availability for the Future of the Renewable Energy Industry: Critical Minerals and Ground Water Resources in Iowa and Kansas	47.083	S02918-01	OIA-2119551	31,174

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Research and development cluster (Continued)				
National Science Foundation (Continued)				
<u>Passthrough- UNIVERSITY OF KANSAS MEDICAL CE</u> Sub-cellular Neurotransmitter Population Dynamics in Chemobrain	47.074	GR16875-Johnson	2P30CA168524-11	\$ 28,813
<u>Passthrough- UNIVERSITY OF NEBRASKA - LINCOLN</u> U.S. CMS Operations at the Large Hadron Collider	47.049	25-0521-0244-006	PHY-2121686	33,491
<u>Passthrough- UNIVERSITY OF NEVADA, LAS VEGAS</u> THE GENETIC BASIS OF LOCAL ADAPTATION ACROSS AN ISLAND ADAPTIVE RADIATION	47.074	GR17050	2204729	13,333
<u>Passthrough- UNIVERSITY OF NORTHERN COLORADO</u> Collaborative Research: Developing a Next Generation Concept Inventory using Constructed Response for evaluating student knowledge of complex FEW systems in environmental education	47.076	000021-00001A.008.00	4040-0001	2,297
<u>Passthrough- UNIVERSITY OF THE VIRGIN ISLANDS</u> Ridge to Reef Processes and Interdependent Drivers of Small Island Resilience	47.083	1946412-02	OIA-1946412	17,415
<u>Passthrough- UNIVERSITY OF WISCONSIN-MADISON</u> QuarkNet center at the University of Kansas	47.050	0000002485		12,376
<u>Passthrough- VANDERBILT UNIVERSITY</u> Collaborative Research: SHF: Small: Learning Fault Tolerance at Scale	47.070	OSA00000080		62,916
<u>Passthrough- VANDERBILT UNIVERSITY</u> Energy Efficient Superconducting Neuromorphic Computing Circuits	47.050	480773-19799	ICER-2108196	103,945
<u>Passthrough- ZENOLEAP LLC</u> Energy Efficient Superconducting Neuromorphic Computing Circuits	47.084	26951	TI-2136676	33,488
Subtotal: National Science Foundation- Passthrough				2,649,692
Total: National Science Foundation				27,877,657
Total Research and Development Cluster				112,864,314

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TRIO				
Department of Education				
Direct				
University of Kansas TRIO Student Support Services - SES	84.042	P042A160846		\$ 3
KU Student Support Services Science, Technology, Math, Engineering and Health Sciences (SSS STEM)	84.042	P042A201664		268,554
University of Kansas Student Support Services (KU SSS)	84.042	P042A211632		315,595
Subtotal for AL No. 84.042				584,152
University of Kansas Talent Search	84.044	P044A210069		488,132
University of Kansas Math & Science Center	84.047	P047M170310		226,709
University of Kansas Upward Bound Math & Science (KU-UBMS)	84.047	P047M170490		171,821
University of Kansas Upward Bound Program	84.047	P047A180353		566,332
The University of Kansas Veterans Upward Bound Program	84.047	P047V180027		362,676
University of Kansas Upward Bound Math and Science Program, Leavenworth and Turner (KU UBMS-LT)	84.047	P047M220068		178,700
University of Kansas Upward Bound Math-Science Center (KU-MS-C)	84.047	P047M220154		115,110
Subtotal for AL No. 84.047				1,621,348
University of Kansas EOC - Leavenworth and Franklin County	84.066	P066A160079		(84)
University of Kansas Educational Opportunity Center (KU-EOC)	84.066	P066A210033		313,114
University of Kansas EOC Leavenworth-Franklin County (KU-EOC-LV-FR)	84.066	P066A210117		265,470
Subtotal for AL No. 84.066				578,500
KU TRIO Training Program for Absolute Priority 2 (KU TTP-2)	84.103	P103A220007		178,047
McNair Scholars Program	84.217	P217A170081		168,546
University of Kansas Ronald E. McNair Post-Baccalaureate Achievement Program (KU-MSP)	84.217	P217A220144		173,492
Subtotal for AL No. 84.217				342,038
Total: Department of Education				3,792,217
Total TRIO Cluster				3,792,217

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Maternal Cluster				
Department of Health and Human Services				
Passthrough- KANSAS DEPARTMENT OF HEALTH & ENVIRONMT				
Kansas Maternal, Infant and Early Childhood Home Visiting Program	93.505			\$ (169)
Maternal, Infant and Early Childhood Home Visiting DAISEY Date Management for FY21	93.870	22021		2,246
MIECHV Coordinated State Evaluation FY21 MA 48567 UKCR	93.870	TO 22036	X10MC43582	65,807
MIECHV Continuous Quality Improvement FY22	93.870	22050	10MC39687	56,626
Maternal, Infant and Early Childhood Home Visiting DAISEY Date Management	93.870	KDHE TO 22082		227,993
Kansas MIECHV Readiness Assessment	93.870	KDHE TO 22068	X10MC43582 MIECHV	224,738
MIECHV Learning Management System 2022-2026 (TO 23024)	93.870	48567, TO 23024	MIECHV Grants	114,851
Kansas MIECHV Community Readiness Assessment (TO 23030)	93.870	TO 23030, contract 48567	X1046866 MIECHV	32,613
Kansas MIECHV Coordinated State Evaluation (TO 23031)	93.870	23031 PO104393	X1046866 MIECHV	138,154
Kansas MIECHV Program	93.870	23050		61,964
Passthrough-STATE OF NEBRASKA DEPARTMENT OF HEALTH & HUMAN SERVICES				
Home Visiting Data Collection and Management - Nebraska	93.870	88265-O4		69,666
Passthrough- UNIVERSITY OF ILLINOIS				
All Our Kids Network University of Illinois IRIS Proposal (Year 4)	93.870	105294-18575	FCSAS04778	256
Passthrough- WISCONSIN DEPARTMENT OF CHILDREN & FAMILIES				
2022: Wisconsin Family Foundations Home Visiting shared Measurements System	93.870	437003-C20-0001518-R02-01		117,955
Wisconsin Family Foundations Home Visiting Shared Measurements System	93.870	437003-C20-0001518-R03-01	Maternal, Infant and Early Childhood Home Visiting Grant Program	38,200
Subtotal: Department of Health and Human Services- Passthrough				1,150,900
Total: Department of Health and Human Services				1,150,900
Total Maternal Cluster				1,150,900

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2023

Federal Grantor/Program Title	Assistance		Pass-through Entity	Federal Expenditures
	Listing Number	Identifying Number	Identifying Number	
Other Programs				
Department of Defense				
Direct				
University of Kansas IC Center for Academic Excellence (KU-ICCAE)	12.598	2020-20061700010		\$ 70,984
Army Educational Outreach Program (UNITE)	12.63			17,618
KU STARTALK Arabic Academy	12.9	H98230-22-1-0069		7,851
2021 GenCyber - University of Kansas	12.901	H98230-21-1-0085		111,108
GenCyber Summer Camp at the University of Kansas -- Inspiring the Next Generation of Cyber Defenders	12.903	H98230-22-1-0211		1,748
Subtotal: Department of Defense- Direct				209,309
Passthrough- ARMY EDUCATIONAL OUTREACH PROGRAM				
Army Educational Outreach Program (UNITE)	12.63			1
Passthrough- INSTITUTE OF INTERNATIONAL EDUCATION				
Master Agreement - KU Project GO Center: Attaining Intercultural Understanding through Critical Language Learning for 21st Century Officers	12.357	PGO1801-KU-10	H98210-18-2-002	463,913
Cost Reimbursement Umbrella Agreement for Prime Award Number H98210-18-2-0002	12.357	PGO1801-KU-10	H98210-18-2-0002	586,510
Cost Reimbursement Umbrella Agreement for Prime Award Number H98210-23-C-0010	12.357	PGO2301-KU-10	H98210-23-C-0010	35,308
Building Language Capacity and Cultural Competency to Meet National Security Needs: The University of Kansas Language Training Center	12.579	2603-KU-10-LTC052P08		(116)
Passthrough- KANSAS STATE UNIVERSITY				
Learning, Exploration, and Application for Prospective Engineering Students (LEAPES)	12.006	A22-0220-S001	HQ00342110017	195,910
Subtotal: Department of Defense- Passthrough				1,281,526
Total: Department of Defense				1,490,835
Department of Agriculture				
Passthrough- KANSAS DEPARTMENT FOR CHILDREN AND FAMILIES				
SNAP Process and Technology Improvement Grant	10.580			133,630
Passthrough- UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE				
Kansas-Missouri Nutrition Incentive Collaborative	10.331	GR16154	Food Insecurity Nutrition Incentive Program	5,886
Subtotal: Department of Agriculture- Passthrough				139,516
Total: Department of Agriculture				139,516

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2023

Federal Grantor/Program Title	Assistance		Pass-through Entity	Federal Expenditures
	Listing Number	Identifying Number	Identifying Number	
Other Programs (Continued)				
Department of the Interior				
Passthrough- NATIONAL FISH & WILDLIFE FOUND				
Building Capacity for Milkweed/Monarch Habitat Restoration in Eastern Oklahoma	15.608	2007.15.050502	Building Capacity for Milkweed/Monarch Habitat Restoration in Eastern Oklahoma	\$ 1,963
Subtotal: Department of the Interior- Passthrough				1,963
Total: Department of the Interior				1,963
Department of Justice				
Direct				
Paul E. Wilson Defender Project	16.603	15B40818PUF53002-003-004		1,304
Paul E. Wilson Defender Project	16.000	15B40818PTF530001		52
U.S.P. LEAVENWORTH LEGAL ASSISTANCE PROGRAM	16.000	15B40819D00000033		49,761
Subtotal: Department of Justice- Direct				51,117
Passthrough- IDAHO, STATE OF				
Idaho Safe Schools, Safe Students	16.839	HC204400	STOP School Violence	161,524
Subtotal: Department of Justice- Passthrough				161,524
Total: Department of Justice				212,641
Corporation for National and Community Service				
Passthrough- ARIZONA STATE UNIVERSITY				
Enhancing the Public Health Response to Domestic Violence in the Context of COVID-19	94.006	ASUB00001163	22NDDAZ001	38,101
Subtotal: Corporation for National and Community Service -				38,101
Total: Corporation for National and Community Service				38,101
Department of State				
Direct				
Study of the U. S. Institutes for Student Leaders on Womens Leadership	19.009	S-ECAGD-18-CA-1040		195,478
Study of the U.S. Institutes for Young Women Leaders: Elevating Womens Global Leadership	19.009	SECAGD22CA0022		1,048,991
Subtotal: Department of State- Direct				1,244,469
Passthrough- INSTITUTE OF INTERNATIONAL EDUCATION				
2023 Eight-Week Hubert H. Humphrey Fellowship Pre-Academic Training Program	19.010	3000294287	S-ECAGD-23-CA-0009	2,118
Hosting Agreement: Six-week English language certificate program for high school English teachers ("Participants") from Brazil	19.408	FBC2001000	Fulbright	293,189
2022 Eight-Week Humbert H. Humphery Fellowship Pre-Academic Training Program	19.000	300253385		267,571
Subtotal: Department of State- Passthrough				562,878
Total: Department of State				1,807,347

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2023

Federal Grantor/Program Title	Assistance		Pass-through Entity	Federal Expenditures
	Listing Number	Identifying Number	Identifying Number	
Other Programs (Continued)				
Department of Transportation (Continued)				
Department of Transportation				
Passthrough- KANSAS DEPARTMENT OF TRANSPORTATION				
2021 Local Technical Assistance Program (LTAP)	20.215	RE-0255-21-LTAP-R025-521	RE-0255-21-LTAP-R025-521	\$ 2,131
2022 Local Technical Assistance Program (LTAP)	20.215	RE-0255-22-LTAP-R025-522		367,065
2023 Local Technical Assistance Program (LTAP)	20.215	RE-1255-23		305,604
Kansas Innovation Summit	20.200			292
Technical Services for the Kansas Rural Transit Assistance Program (RTAP) – FY 2021	20.509	PT-0511-41		1,367
Transportation Safety Conferences 2013-KDOT Transportation Safety Conference	20.600	SA-0943-21		50,862
	20.600	SA-0943-23	69A3752230000402	107,843
Passthrough- KANSAS DEPARTMENT OF TRANSPORTATION (Continued)				
Data Access and Support Center (DASC) GIS Mapping Integration	20.616	TR-2114-22	69A3752030000405 CKS0	261,717
Passthrough- KANSAS DIVISION OF EMERGENCY				
Trainings to Kansas Counties through Kansas University Fire and Rescue Training Institute during the federal fiscal year 2020-2021	20.703		693JK31940016HM EP	17,843
Hazardous Materials Training to fire and emergency services personnel in the State of Kansas delivered through Kansas Fire & Rescue Training Institute 2022-2023	20.703		693JK32240057HM EP	4,485
Passthrough- KANSAS STATE UNIVERSITY SPA				
Traffic Assistance Services for Kansas (TASK) Program (FY 2022-2023)	20.215	A21-0571-S001		36,133
Subtotal: Department of Transportation- Passthrough				1,155,342
Total: Department of Transportation				1,155,342
Department of the Treasury				
Direct				
VITA Grant Project	21.009	22VITA0218		42,168
VITA Grant Project	21.009	23VITA0274		39,497
Subtotal for AL No. 21.009				81,665
Subtotal: Department of the Treasury- Direct				81,665
Passthrough- DOUGLAS COUNTY, KANSAS				
Douglas County, KS and City of Lawrence, KS Homelessness Needs Assessment	21.027	SRA25579		(228)
Passthrough- ENTERPRISEKC				
EnterpriseKC Cybersecurity Center of Excellence Cybersecurity Assessments (Project 1) and Cybersecurity Talent Exchange (Project 2)	21.027	SRA27014		533,347
Passthrough- KANSAS DEPARTMENT FOR CHILDREN AND FAMILIES				
DCF ARPA Planning and Support	21.027		ARPA funds	197,429
Subtotal: Department of the Treasury- Passthrough				730,548
Total: Department of the Treasury				812,213

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2023

Federal Grantor/Program Title	Assistance		Pass-through Entity	Federal Expenditures
	Listing Number	Identifying Number	Identifying Number	
Other Programs (Continued)				
Federal Communications Commission				
Direct				
Kansas Deaf Blind Equipment Distribution-- Assistive Technology for Kansans	32.000	DA 19-557		\$ 16,561
Kansas Deaf Blind Equipment Distribution-- Assistive Technology for Kansans	32.000	DA 22-549		108,917
Subtotal: Federal Communications Commission- Direct				125,478
Total: Federal Communications Commission				125,478
Institute of Museum and Library Services				
Direct				
Boarders that Define and Divide	45.024	1862250-54-20		(5,466)
To support research and planning for the exhibition Bold Women: Changing the World and Art	45.024	1865585-44-21		7,479
Returning: Community-based Art Experience Involving Women in Reentry and	45.024	1865778-41-21		11,305
KU Powwow & Indigenous Cultures Festival (ICF)	45.024	1884573-55-21		(224)
To support a workshop production of Never Quite by composer Susan Kander and librettist Roberta Gumbel	45.024	1894383-36-22		9,864
To support research and preliminary work for the 2025 exhibition STREET NIHONGA: The Art of jimmy Tsutomu Mirikitani and accompanying publication	45.024	1906367-44-23		15,879
Subtotal for AL No. 45.024				38,837
To support infrastructure improvements to the Spencer Museum of Art's collection storage, freight elevator, and galleries.	45.130	CHA-261952-19		53,748
Improving energy efficiency in collection storage in Spencer Research Library, University of Kansas	45.149	PF-271970-20		248,648
Global Medical Humanities: Bridging Digital Health Divides	45.162	AK-255364-17		24,803
Hurston on the Horizon in the Past, Present, and Future	45.163	EH-272538-20		1,675
Revisioning the Spencer Museum of Art's Collection Galleries	45.164	GI27833821		220,110
Building Literacy and Curating (Critical Cultural) Knowledge in Black Humanities: BLACK DH	45.169	HAA28103021		113,811
Building Capacity for Diversity, Equity, Access, and Inclusion at the Spencer Museum of Art	45.301	MA-40-19-0377-19		41,141
Natural History Mystery: Immersing families in a problem-solving game using museum collections	45.301	MA-249109-OMS-21		2,336
Strengthening Digital Platforms for Teacher, Learning, and Exploration	45.301	MA-249559-OMS-21		63,721
Database and Application Development for Access, Education, and Research	45.301	MA251667OMS22		83,763
Subtotal for AL No. 45.301				190,961
Subtotal: Institute of Museum and Library Services- Direct				892,593

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2023

Federal Grantor/Program Title	Assistance		Pass-through Entity	Federal Expenditures
	Listing Number	Identifying Number	Identifying Number	
Other Programs (Continued)				
Institute of Museum and Library Services (Continued)				
<u>Passthrough- CHILDRENS MUSEUM OF TACOMA</u>				
Evaluating Military Family Programming	45.312	22898	MG-80-19-0029-19	\$ 9,095
<u>Passthrough- CITY OF LAWRENCE</u>				
Gallery Reopening Community Promotion	45.024		22CMNEAARP	10,000
KU Indigenous Cultures Festival Artist	45.000			9,825
<u>Passthrough- HUMANITIES KANSAS</u>				
Faith in the Free State Podcast	45.129	221008MJ	SO-268871-20	3,500
SHARP Recovery Grant - 221824SH - Kansas Public Radio	45.129		S0-253126-17	233
Rebuilding Community Online and at Home	45.149	4960	S0-253126-17	1
<u>Passthrough- KANSAS DEPARTMENT OF</u>				
Innovative Partnership for Community-based Art Experience Involving Women Transitioning from Incarceration and the Public	45.025	NFY22-004		18,016
NORTH & the Underground Railroad	45.025	NFY22-004	1903767-61-22	3,510
<u>Passthrough- MID-AMERICA ARTS ALLIANCE</u>				
Modern Warriors Live - Engagements and Performance at the University of Kansas	45.024	FY2023-00113586		23,580
<u>Passthrough- NATIONAL ENDOWMENT FOR HUMANITIES</u>				
The Public Digital Humanities: An Institute for Academic/Community Collaborations	45.169	HT-281161-21		45,552
<u>Passthrough- NORTH CAROLINA STATE</u>				
Scholarly Communication Notebook	45.312	2019-2227-02	LG-36-19-0021-19	5,794
<u>Passthrough- WEST VIRGINIA UNIVERSITY</u>				
The American Congress Digital Archives Portal Project	45.149	21020UK	PW277585	(340)
Subtotal: Institute of Museum and Library Services- Passthrough				128,766
Total: Institute of Museum and Library Services				1,021,359
Business Administration				
<u>Passthrough- FORT HAYS STATE UNIVERSITY</u>				
University of Kansas Small Business Development Center - 2022	59.037	2213		70,532
University of Kansas Small Business Development Center: 2023	59.037		Small Business Development Center Grant	45,163
Subtotal: Small Business Administration- Passthrough				115,695
Total: Small Business Administration				115,695

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2023

Federal Grantor/Program Title	Assistance		Pass-through Entity	Federal Expenditures
	Listing Number	Identifying Number	Identifying Number	
Other Programs (Continued)				
Department of Education				
Direct				
Cultivating Global Citizenship in the Heartland: The Kansas African Studies Center	84.015	P015B180104-19		\$ 151,563
NRC: Building Global Competencies in the 21st Century: University of Kansas Center for East Asian Studies	84.015	P015A180095		97,721
Cultivating Global Citizenship in the Heartland: The Kansas African Studies Center	84.015	P015A180104		204,372
FLAS: Building Global Competencies in the 21st Century: University of Kansas Center for East Asian Studies	84.015	P015B1800950 - 20		31,447
Fostering Global Competency and Engagement in the Heartland: The University of Kansas Center for Russian, East European and Eurasian Studies	84.015	P015A200004		242,171
FLAS: Global Asia	84.015	P015B220120		170,757
NRC: Global Asia	84.015	P015A220124		131,814
FLAS: Supporting Sustainable Connections: The Kansas African Studies Center	84.015	P015B220148		169,217
NRC: Supporting Sustainable Connections: The Kansas African Studies Center	84.015	P015A220149		58,643
FLAS: Rethinking Russian, East European, and Eurasian Studies in the Heartland for a Global and Digital Age	84.015	P015B220119		224,332
NRC: Rethinking Russian, East European, and Eurasian Studies in the Heartland for a Global and Digital Age	84.015	P015A220123		49,259
NRC: Center for Latin American and Caribbean Studies: Strengthening Communities	84.015	P015A220136		43,820
(FLAS) Center for Latin American and Caribbean Studies: Strengthening	84.015	P015B220130		194,277
Support: Connecting Communities: Increasing Competencies in Less Commonly	84.015	P015B180021		34,177
Connecting Communities: Increasing Competencies in Less Commonly Taught	84.015	P015A180021		146,495
Subtotal for AL No. 84.015				1,950,065
Heartland College Assistance Migrant Program (HCAMP)	84.149	S149A220010		310,336
University of Kansas Open Language Resource Center	84.229	P229A1808008		49,770
Leadership Training in Nondiscriminatory Special Education Policy and Practice	84.325	H325D150085		25,783
University of Kansas Project to Develop Responsive, Innovative, and Visionary Educators (KU-DRIVE), Type A	84.325	H325D150084-19		5,499
ALL-Together In Early Education (ALL-TiEE): Early Childhood Unified Masters Project	84.325	H325K160075		8,638
Subtotal for AL No. 84.325				39,920

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
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Federal Grantor/Program Title	Assistance		Pass-through Entity	Federal Expenditures
	Listing Number	Identifying Number	Identifying Number	
Other Programs (Continued)				
Department of Education (Continued)				
Direct				
The University of Kansas Child Care Access Means Parents in School Program (KU-CCAMPIS)	84.335	P335A180137		\$ 150,357
PEAK: Partners in Education Across Kansas	84.351	S351A210022		287,121
Supporting Technology, Educators, and Parents for Upward Progress (STEP-UP)	84.365	T365Z170233		221,274
Project SEMILLA (Supporting Educators, Math Instructors, and Language Learners for Advancement)	84.365	T365Z210171		430,903
Promoting English Learners Academic Achievement and Cultivating Educational Equity through Professional Development	84.365	T365Z220111 Act 1		115,969
Subtotal for AL No. 84.365				768,146
Post-Doctoral Research Training Program in Special Education: Evidence-Base	84.324	R324B180004		170,024
Enhancing Engagement: Investigating Adaptations to Commonly Used Interventions for Elementary Students with Challenging Behavior	84.324	R324B210007		138,253
Postdoctoral Research Training in Special Education and Early Intervention	84.324	R324B200021		138,588
Subtotal for AL No. 84.324				446,865
KU LEAP: Preparing Leaders to Create Ambitious Educational Programs for Students with Severe Disabilities: Beyond De Minimis	84.325	H325D180015 - 19		282,753
Preparing Leaders to Advocate for Inclusion in Early Childhood Education (KU-PLAI-ECE)	84.325	H325D180080		245,895
Project INSTRUCT (Inclusive Interdisciplinary Supports and Training for positive, Rigorous EdUcation and Communication OuTcomes)	84.325	H325K200046		399,061
Project for Interprofessional Preparation- Early Childhood Intervention (PIP-ECI)	84.325	H32K200061		305,983
Subtotal for AL No. 84.325				1,233,692
Fulbright Hays Doctoral Dissertation Research Abroad	84.022	P022A220040		1,850
The University of Kansas KCKPS Gear Up Program	84.334	P334A170025 - 21		2,911,955
The University of Kansas CCAMPIS Program (KU-CCAMPIS)	84.335	P335A220008		221,469
Subtotal: Department of Education- Direct				8,371,546
Passthrough- ARIZONA STATE UNIVERSITY				
Preparing Productive Special Education Scholars to Lead in Evidence-based Practices in Comprehensive, Integrated, Three-tiered (Ci3T) Models of Prevention (Project EPIC)	84.325	ASUB0000123 4	H325D220011	84,194

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
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Federal Grantor/Program Title	Assistance		Pass-through Entity	Federal Expenditures
	Listing Number	Identifying Number	Identifying Number	
Other Programs (Continued)				
Department of Education (Continued)				
Passthrough- GREENBUSH SOUTHEAST KANSAS EDUCATION SERVICE				
Sunflower Summer Program	84.425	SRA26618		\$ 149,029
KSDE Summer Enrichment Program	84.425	27704		66,144
Sunflower Summer 2023				
Passthrough- KANSAS DEPARTMENT OF HEALTH & ENVIRONMT				
Kansas Inservice Training System (KITS)- Infant and Toddler Expansion	84.181			132
Kansas Inservice Training System (KITS)- Infant and Toddler Expansion	84.181	KITS SY2021 Lindeman		(4,497)
Kansas Inservice Training System (KITS)	84.181	TO21047	H181A200032	309,227
Kansas Inservice Training System (KITS)- Infant and Toddler Expansion	84.181	22080		227,556
Tiny K - Infant Toddler Assistive Technology Services	84.181	TO21048	H181A200032	20,508
tiny-k Infant Toddler Assistive Technology Services	84.181	22079	H101A200032	11,772
KITS Summer Institute	84.181	TO 23068, contract 48567 UKCR	Special Education- Grants for Infants and Families	14,934
Passthrough- KANSAS STATE UNIVERSITY				
RESPETAME: Reimagining Educational Systems by Practicing Equity and Translanguaging and Accessing Multiliterate Experiences	84.365	A23-0230-S001	T365Z220089	6,466
Passthrough- MISSOURI DEPARTMENT - ELEMENTARY/SECONDARY ED				
Missouri Post-Secondary Success Project/ Social-Emotional Learning for All	84.027	24953		20,465
FY2023: Social-Emotional Learning for All	84.027		Special Education Grants to States	280,121
Missouri Post-Secondary Success Project/ Social-Emotional Learning for All	84.027			36
Pathways for Instructionally Embedded Assessment (PIE) project	84.368			88,236
Passthrough- NEWMAN UNIVERSITY				
Navigating the University Experience	84.031	27177	P031A220143	7,261
Passthrough- STANFORD UNIVERSITY				
Leadership in Research and Teacher Preparation for System-wide Inclusive Education	84.325	62307368-154936	H325D190042	263,263
Passthrough- UNIVERSITY OF NORTH CAROLINA CHARLOTTE				
National Technical Assistance Center on Transition for Students and Youth with Disabilities	84.326	20210128-05-UKS	H326E200003	319,149
National Technical Assistance Center on Transition for Students and Youth with Disabilities	84.326	20210128-06-UKS	H326E200003-22	5,116
Passthrough- UNIVERSITY OF OREGON				
Technical Assistance Center on Positive Behavioral Intervention and Supports V	84.326	282070J	H326S180001	57,880

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
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Federal Grantor/Program Title	Assistance		Pass-through Entity	Federal Expenditures
	Listing Number	Identifying Number	Identifying Number	
Other Programs (Continued)				
Department of Education (Continued)				
Passthrough- USD 500, KANSAS CITY				
The Arts Infusion Project: Professional	84.351	19263		\$ 283
The Arts Infusion Project: Evaluation	84.351	19265	S425D210002	940
Passthrough- WICHITA STATE UNIVERSITY				
WSU WEST WICHITA GEAR UP	84.334	21-00978	P334A170139	39,452
WSU Southeast Wichita GEAR UP Project Evaluation	84.334	22-00374-SEWGU		13,696
WSU Southeast Wichita GEAR UP Project Evaluation	84.334	23-00387-SEWGU		24,921
Subtotal: Department of Education- Passthrough				2,006,284
Total: Department of Education				10,377,830
Department of Homeland Security				
Direct				
State Fire Training Systems Grant - 2020	97.043	EMW-2020-GR-00236-S01		5,980
State Fire Training Systems Grant FY22	97.043	EMW-2021-GR-00188-S01		19,348
State Fire Training Systems Grant FY23	97.043	EMW-2022-GR-00174-S01		19,298
Subtotal: Department of Homeland Security- Direct				44,626
Passthrough- KANASAS DEPARTMENT OF				
Kansas Base Flood Elevation Portal	97.045			26,897
Subtotal: Director of National Intelligence- Passthrough				26,897
Total: Department of Homeland Security				71,523
Office of the Director of National Intelligence				
Passthrough- INTELLIGENCE COMMUNITY CENTER FOR ACADEMIC EXCELLENCE				
Kansas Coalition Intelligence Community Centers for Academic Excellence (KC-IC CAE)	54.000	2022-22082500003		71,287
Subtotal: Office of the Director of National Intelligence - Passthrough				71,287
Total: Office of the Director of National Intelligence				71,287
Department of Energy				
Direct				
Solar Decathlon 2023 Build Challenge	81.041			42,054
Subtotal: Department of Energy-Direct				42,054
Total: Department of Energy				42,054
Environmental Protection Agency				
Passthrough- KANSAS DEPARTMENT OF HEALTH & ENVIRONMT				
Expansion of UIC submittals to KOLAR website	66.608	23029		18,249
Subtotal: Director of National Intelligence- Passthrough				18,249
Total: Environmental Protection Agency				18,249
Total Other Programs				17,501,433
TOTAL EXPENDITURES OF FEDERAL AWARDS				\$ 135,308,864

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
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Of the federal expenditures presented in this schedule, the Center provided federal awards to subrecipients as follows:

Program	Assistance Listing Number	Amount Provided
Research & Development Cluster	Various	\$ 13,687,047
Idaho Safe Schools, Safe Students	16.839	102,073
Study of the U. S. Institutes for Student Leaders on Womens Leadership	19.009	97,255
Study of the U.S. Institutes for Young Women Leaders: Elevating Womens Global Leadership	19.009	340,198
Natural History Mystery: Immersing families in a problem-solving game using museum collections	45.301	252
Kansas Coalition Intelligence Community Centers for Academic Excellence (KC-IC CAE)	54.000	10,878
Tiny K - Infant Toddler Assistive Technology Services	84.181	9,605
The University of Kansas CCAMPIS Program (KU-CCAMPIS)	84.335	90,403
Kansas Serves Native American Families - KSNAF	93.087	103,858
Kansas State Plan for Assistive Technology	93.464	84,522
Kansas State Plan for Assistive Technology 2021-2023	93.464	95,581
Kansas Invests in Families (KInvest)	93.556	78,871
Universal Prevention for Strong and Thriving Families (Family Strong)	93.648	153,161
Kansas Strong for Children and Families (Kansas Strong)	93.652	64,447
Assistive Technology for Kansans	93.778	69,423
Medicaid Equipment Exchange	93.778	133,667
University of Kansas IC Center for Academic Excellence (KU-ICCAE)	12.598	2,567
NRT-HDR: The Internet of Catalysis - Harnessing Data Science for Catalyst Design	47.076	45,448
Heartland College Assistance Migrant Program (HCAMP)	84.149	61,216
The University of Kansas Child Care Access Means Parents in School Program (KU-CCAMPIS)	84.335	133,933
Project SEMILLA (Supporting Educators, Math Instructors, and Language Learners for Advancement)	84.365	61,202
Supporting Technology, Educators, and Parents for Upward Progress (STEP-UP)	84.365	41,577
Kansas Self-Determined Transition Taskforce: Moving Forward To Enhance Transition Outcomes	93.632	18,617
Kansas University Center on Developmental Disabilities (KUCDD)	93.632	51,696
Kansas University Center on Developmental Disabilities: 2022-2027	93.632	45,040
KU Post Baccalaureate Research Education Program (PREP)	93.859	15,123
University of Kansas/Haskell Indian Nations University IRACDA Project	93.859	22,378
		<u>\$ 15,620,037</u>

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2023

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, 2023. 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 cash 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, 2023.

NOTE 5 - SUBTOTALS BY FEDERAL AGENCY AND ASSISTANCE LISTING NUMBER

Department	AL Number	Amount
U.S. Department of Agriculture	10.025	\$ 27,882
	10.250	23,178
	10.310	667,128
	10.331	5,886
	10.580	133,630
	10.699	5,032
	10.902	77,900
		<u>940,636</u>

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2023

NOTE 5 - SUBTOTALS BY FEDERAL AGENCY AND ASSISTANCE LISTING NUMBER (Continued)

Department	AL Number	Amount
U.S. Department of Commerce	11.303	\$ 164,648
	11.307	74,406
	11.417	3,293
	11.432	21,895
	11.459	13,707
	11.462	(170)
	11.609	21,521
	11.619	1,082
		<u>300,382</u>
U.S. Department of Defense	12.000	3,682,829
	12.006	195,910
	12.300	222,853
	12.357	1,085,731
	12.420	397,747
	12.431	168,683
	12.579	(116)
	12.598	70,984
	12.630	248,979
	12.800	740,559
	12.900	7,851
	12.901	111,108
	12.903	1,748
		<u>6,934,866</u>
U.S. Department of Education	84.015	1,950,065
	84.022	48,712
	84.027	327,667
	84.031	7,261
	84.042	584,151
	84.044	488,132
	84.047	1,621,349
	84.066	578,500
	84.103	178,047
	84.116	5,049,881
	84.149	310,336
	84.181	579,632
	84.217	342,038
	84.229	49,770

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2023

NOTE 5 - SUBTOTALS BY FEDERAL AGENCY AND ASSISTANCE LISTING NUMBER (Continued)

Department	AL Number	Amount
U.S. Department of Education (Continued)	84.305	\$ 560,980
	84.323	62,470
	84.324	6,309,159
	84.325	1,816,628
	84.326	1,078,452
	84.327	2,403,367
	84.334	3,143,749
	84.335	371,826
	84.351	288,344
	84.356	380,412
	84.365	774,612
	84.368	369,240
	84.371	8,710
	84.411	1,616,509
	84.425	269,531
		<u>31,569,530</u>
U.S. Department of Energy	81.000	1,448,293
	81.041	42,054
	81.049	2,130,383
	81.086	159,326
	81.087	344,776
	81.089	1,793,972
	81.135	161,208
		<u>6,080,012</u>
U.S. Department of Health and Human Services	93.000	868,140
	93.070	3,110
	93.077	(4)
	93.086	181,047
	93.087	310,696
	93.088	40,285
	93.103	155,891
	93.110	961,641
	93.113	206,965
	93.121	332,482
	93.129	20,507
	93.135	24,942

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2023

NOTE 5 - SUBTOTALS BY FEDERAL AGENCY AND ASSISTANCE LISTING NUMBER (Continued)

Department	ALN Number	Amount
U.S. Department of Health and Human Services (Continued)	93.136	\$ 1,247,836
	93.137	18
	93.173	1,597,137
	93.184	9,145
	93.224	27,101
	93.226	139,926
	93.242	1,104,552
	93.243	295,888
	93.268	853
	93.273	639,036
	93.279	370,718
	93.283	2,356
	93.286	1,536,731
	93.310	550,673
	93.323	39,589
	93.325	1
	93.350	119,973
	93.351	111,611
	93.361	44,740
	93.387	5,748
	93.391	31,905
	93.393	25,816
	93.394	928,718
	93.395	371,676
	93.397	154,109
	93.433	798,397
	93.434	3,375,355
	93.464	543,387
	93.505	(169)
	93.556	351,872
	93.558	325,445
	93.575	1,349,846
	93.590	557,371
	93.600	89,512
	93.630	29,736
	93.631	633,784
	93.632	794,473
	93.648	679,639
	93.652	1,910,197
	93.654	120,069
	93.658	1,129,504
	93.670	42,146
	93.696	110,343

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2023

NOTE 5 - SUBTOTALS BY FEDERAL AGENCY AND ASSISTANCE LISTING NUMBER (Continued)

Department	AL Number	Amount
U.S. Department of Health and Human Services (Continued)	93.732	\$ 649,813
	93.768	(178)
	93.775	5
	93.778	382,071
	93.788	25,045
	93.793	78
	93.829	116,971
	93.837	843
	93.838	23,516
	93.839	24,077
	93.846	3,067
	93.847	513,136
	93.853	1,621,534
	93.855	1,667,788
	93.859	9,792,193
	93.865	1,860,313
	93.866	4,647,197
	93.867	234,090
	93.870	1,151,069
	93.877	220,112
	93.910	3,391
	93.926	152
	93.991	36,831
	93.994	629,531
		<u>48,905,117</u>
U.S. Department of Justice	16.000	49,813
	16.560	(981)
	16.603	1,304
	16.710	68,074
	16.753	136,652
	16.839	161,524
		<u>416,386</u>
U.S. Department of Transportation	20.000	88,764
	20.106	71,178
	20.108	(52)
	20.109	1,235,048
	20.200	217,994
	20.205	172,343

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2023

NOTE 5 - SUBTOTALS BY FEDERAL AGENCY AND ASSISTANCE LISTING NUMBER (Continued)

Department	AL Number	Amount
U.S. Department of Transportation (Continued)	20.215	\$ 712,051
	20.509	248,766
	20.600	158,705
	20.616	261,717
	20.701	428,169
	20.703	22,328
		<u>3,617,011</u>
U.S. Department of the Interior	15.000	67
	15.073	75,327
	15.224	8,751
	15.512	49,944
	15.514	18,145
	15.557	36,485
	15.608	1,963
	15.611	142,874
	15.634	666
	15.654	614
	15.805	78,913
	15.808	89,154
	15.810	353,749
	15.814	148,971
	15.815	36,958
	15.904	3,076
	15.980	103,338
		<u>1,148,995</u>
U.S. Department of the Treasury	21.000	12,091
	21.009	81,665
	21.027	798,229
		<u>891,985</u>
Institute of Museum and Library Services	45.000	9,825
	45.024	72,417
	45.025	21,526
	45.129	3,723
	45.130	999,873

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2023

NOTE 5 - SUBTOTALS BY FEDERAL AGENCY AND ASSISTANCE LISTING NUMBER (Continued)

Department	AL Number	Amount
Institute of Museum and Library Services (Continued)	45.149	\$ 382,604
	45.160	9,883
	45.162	24,803
	45.163	1,675
	45.164	220,110
	45.169	159,363
	45.301	190,961
	45.312	14,889
		<u>2,111,652</u>
National Aeronautics and Space Administration	43.000	402,308
	43.001	1,496,929
	43.008	295,972
	43.012	71,742
		<u>2,266,951</u>
National Science Foundation	47.000	247,819
	47.041	2,006,012
	47.049	3,152,702
	47.050	1,976,942
	47.070	2,560,670
	47.074	4,337,316
	47.075	1,178,886
	47.076	1,499,419
	47.078	1,048,210
	47.083	9,499,312
	47.084	370,369
		<u>27,877,657</u>
Corporation for National and Community Service	94.006	<u>38,101</u>
Department of State	19.000	267,571
	19.009	1,244,469
	19.010	2,118
	19.408	293,189
		<u>1,807,347</u>

(Continued)

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year ended June 30, 2023

NOTE 5 - SUBTOTALS BY FEDERAL AGENCY AND ASSISTANCE LISTING NUMBER (Continued)

Department	AL Number	Amount
Environmental Protection Agency	66.608	\$ 18,249
Federal Communications Commission	32.000	125,478
Office of the Director of National Intelligence	54.000	71,287
Small Business Administration	59.037	115,695
U.S. Department of Homeland Security	97.043	44,626
	97.045	26,897
		71,523
TOTAL		\$ 135,308,864

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, 2023, 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 28, 2023.

Report on 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) as a basis for designing 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)

Report on 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 financial statements. 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 LLP

Indianapolis, Indiana
September 28, 2023

INDEPENDENT AUDITOR'S REPORT ON COMPLIANCE
FOR 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 Major Federal Program

Opinion on Major Federal Program

We have audited 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 identified as subject to audit in the OMB Compliance Supplement that could have a direct and material effect on the Center's major federal program for the year ended June 30, 2023. The Center's major federal program is identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs.

In our opinion, the Center complied, in all material respects, with the compliance requirements referred to above that could have a direct and material effect on its major federal program for the year ended June 30, 2023.

Basis for Opinion on Major Federal Program

We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America (GAAS); the standards applicable to financial audits contained in Government Auditing Standards issued by the Comptroller General of the United States (*Government Auditing Standards*); 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). Our responsibilities under those standards and the Uniform Guidance are further described in the Auditor's Responsibilities for the Audit of Compliance section of our report.

We are required to be independent of the Center and to meet our other ethical responsibilities, in accordance with relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion on compliance for the major federal program. Our audit does not provide a legal determination of the Center's compliance with the compliance requirements referred to above.

Responsibilities of Management for Compliance

Management is responsible for compliance with the requirements referred to above and for the design, implementation, and maintenance of effective internal control over compliance with the requirements of laws, statutes, regulations, rules and provisions of contracts or grant agreements applicable to the Center's federal programs.

(Continued)

Auditor's Responsibilities for the Audit of Compliance

Our objectives are to obtain reasonable assurance about whether material noncompliance with the compliance requirements referred to above occurred, whether due to fraud or error, and express an opinion on the Center's compliance based on our audit. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with GAAS, *Government Auditing Standards*, and the Uniform Guidance will always detect material noncompliance when it exists. The risk of not detecting material noncompliance resulting from fraud is higher than for that resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Noncompliance with the compliance requirements referred to above is considered material, if there is a substantial likelihood that, individually or in the aggregate, it would influence the judgment made by a reasonable user of the report on compliance about the Center's compliance with the requirements of the major federal program as a whole.

In performing an audit in accordance with GAAS, *Government Auditing Standards*, and the Uniform Guidance, we

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material noncompliance, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the Center's compliance with the compliance requirements referred to above and performing such other procedures as we considered necessary in the circumstances.
- Obtain an understanding of the Center's internal control over compliance relevant to the audit in order to design audit procedures that are appropriate in the circumstances 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 the Center's internal control over compliance. Accordingly, no such opinion is expressed.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and any significant deficiencies and material weaknesses in internal control over compliance that we identified during the audit.

Report on 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 a 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 Auditor's Responsibilities for the Audit of Compliance section above and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies in internal control over compliance. Given these limitations, during our audit we did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses, as defined above. However, material weaknesses or significant deficiencies in internal control over compliance may exist that were not identified.

(Continued)

Our audit was not designed for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, no such opinion is expressed.

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 LLP

Indianapolis, Indiana
September 28, 2023

UNIVERSITY OF KANSAS CENTER FOR RESEARCH, INC.
SCHEDULE OF FINDINGS AND QUESTIONED COSTS
For the year ended June 30, 2023

Financial Statements

Type of auditor's report issued:

Unmodified

Internal control over financial reporting:

Material weakness(es) identified?

_____ Yes X No

Significant deficiencies identified not
considered to be material weaknesses?

_____ Yes X None Reported

Noncompliance material to financial statements noted?

_____ Yes X No

Federal Awards

Internal Control over major programs:

Material weakness(es) identified?

_____ Yes X No

Significant deficiencies identified not
considered to be material weaknesses?

_____ Yes X None Reported

Type of auditor's report issued on compliance for
major programs:

Unmodified

Any audit findings disclosed that are required to be
reported in accordance with 2CFR 200.516(a)?

_____ Yes X No

Identification of major programs:

<u>AL Number(s)</u>	<u>Name of Federal Program or Cluster</u>
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Various	Research and Development Cluster
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Dollar threshold used to distinguish between Type A and Type B programs: \$3,000,000

Auditee qualified as low-risk auditee? X Yes _____ No

SECTION 2 – FINANCIAL STATEMENT FINDINGS

None

SECTION 3 – FEDERAL AWARD FINDINGS AND QUESTIONED COSTS

None
