



**Sponsored Research at the
University of Kansas**
Fiscal Year 2013

*“To facilitate innovation, creative activity,
discovery, and the application
and dissemination of knowledge.”*

Introduction

The tables in this report cover sponsored research expenditures on all campuses of the University of Kansas for Fiscal Year 2013 (July 1, 2012 through June 30, 2013). The information is provided in three forms: Academic Unit, Research Unit, and Agency.

During Fiscal Year 2013, KU's research-related highlights included:

- KU ranked 38th among national public research universities in federally funded research, according to an annual National Science Foundation report. The School of Pharmacy ranked second nationally in the amount of National Institutes of Health research funding it received, and first per funded faculty member.
- KU received the largest external grant in its history, a five-year, \$24.5 million award from the U.S. Department of Education to establish the SWIFT Center (School-Wide Integrated Framework for Transformation).
- The School of Engineering's \$24 million Measurement, Materials and Sustainable Environment Center (M2SEC) was completed. Construction began on the Learned Hall Engineering Expansion Phase 2 (LEEP2), an \$80 million project to enhance research infrastructure and support the state's University Engineering Initiative.
- KU launched the COBRE Center for the Molecular Analysis of Disease Pathways with a five-year, \$11 million award from the National Institutes of Health.
- The \$4.7 million Advanced Computing Facility opened at Nichols Hall, providing access to 24 times more high-performance research computing power. A \$3.5 million renovation modernized the Dyche Hall laboratories of the Biodiversity Institute.
- Ground was broken for Phase II of the Bioscience & Technology Business Center at KU's Main Facility. When completed, Phase II will house new tenant companies and the KU Innovation and Collaboration technology commercialization staff.

More information about research at KU is on-line at www.research.ku.edu, including the *KU Discovery & Innovation* newsletter and past *Research Annual Reports*.

Notes

Data for academic and research units reflect amounts credited to these units based on their participation in the sponsored projects. The credited amounts do not necessarily equal the actual dollar amounts received or administered by these units.

The methodology used to assign research credit to academic units and research centers is at http://research.ku.edu/Research_Graduate_Studies_Kansas_Center_Research_Annual_Reports.

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University of Kansas
Sponsored Project Expenditures by Academic Unit
FY2013

ACADEMIC UNIT	N Projects	Direct Costs	Facilities & Administration	Total
HEALTH PROFESSIONALS	31	1,681,089	452,447	2,133,536
Clinical Laboratory Sciences & Cytotechnology Ed.	1	-3,370	0	-3,370
Dietetics and Nutrition	14	762,620	226,319	988,939
Hearing and Speech	6	450,002	199,057	649,060
Nurse Anesthesia	0	26,695	0	26,695
Occupational Therapy	1	14,489	1,328	15,816
Physical Therapy & Rehabilitation Sciences	9	430,653	25,743	456,396
ARCHITECTURE, DESIGN & PLANNING	3	52,394	11,780	64,174
Architecture	1	19,638	0	19,638
Design	1	18,195	7,994	26,189
Urban Planning	1	14,561	3,786	18,347
BUSINESS	8	778,495	29,281	807,777
COLLEGE OF LIBERAL ARTS AND SCIENCES	505	43,715,209	8,841,478	52,556,687
Administration	22	2,302,142	102,712	2,404,853
Arts	0	-38	0	-38
Visual Art	0	-38	0	-38
Humanities	30	2,083,564	58,819	2,142,383
African & African-American Studies	2	304,887	7,300	312,187
American Studies	0	4,925	0	4,925
Classics	0	20,947	1,383	22,330
East Asian Languages & Cultures	0	0	0	0
English	3	70,799	6,211	77,010
Germanic Languages & Literatures	2	7,254	1,118	8,372
History	6	545,541	10,461	556,002
History of Art	2	144,123	3,773	147,897
Latin American and Caribbean Studies	1	194,163	5,583	199,746
Philosophy	1	102,201	2,096	104,297
Russian & East European and Eurasian Studies	5	446,566	14,811	461,376
Slavic Languages & Literatures	1	47,854	499	48,354
Spanish & Portuguese	7	194,305	5,583	199,887
Natural Sciences and Mathematics	343	27,586,568	6,494,833	34,081,401
Bioinformatics	1	507,601	177,061	684,662
Chemistry	70	5,327,106	1,655,133	6,982,238
Ecology and Evolutionary Biology	65	3,747,745	842,101	4,589,847
Environmental Studies	8	232,306	17,501	249,807
Geography	26	1,670,781	380,722	2,051,503
Geology	51	5,640,915	788,203	6,429,118
Mathematics	22	924,059	283,468	1,207,527
Molecular Biosciences	61	5,404,536	1,455,696	6,860,231
Physics & Astronomy	39	4,131,519	894,947	5,026,467

Social Sciences	110	11,742,973	2,185,115	13,928,087
Anthropology	11	341,059	48,396	389,454
Applied Behavioral Science	22	4,993,235	699,305	5,692,540
Communication Studies	2	219,722	38,023	257,745
Economics	9	1,018,507	237,201	1,255,708
Linguistics	6	169,812	52,763	222,575
Political Science	5	518,942	9,276	528,218
Psychology	28	1,491,864	420,246	1,912,110
Public Affairs and Administration	1	71,056	23,678	94,734
Sociology	8	516,000	61,439	577,439
Speech/Language/Hearing	18	2,402,777	594,788	2,997,564
EDUCATION	148	26,126,164	3,717,503	29,843,667
Administration	0	0	0	0
Curriculum & Teaching	8	764,324	154,418	918,742
Educational Leadership & Policy Studies	10	1,333,459	114,848	1,448,307
Health, Sport & Exercise Sciences	6	87,749	42,926	130,675
Psychology & Research in Education	9	11,141,838	1,965,282	13,107,120
Special Education	115	12,798,794	1,440,029	14,238,823
ENGINEERING	174	15,440,739	3,548,123	18,988,862
Administration	8	676,795	244,830	921,625
Aerospace Engineering	14	1,207,966	342,094	1,550,060
Chemical & Petroleum Engineering	32	3,616,452	767,475	4,383,926
Civil, Environmental & Architectural Engineering	52	1,916,738	502,259	2,418,996
Electrical Engineering & Computer Science	34	6,025,420	1,187,509	7,212,929
Mechanical Engineering	34	1,997,369	503,957	2,501,326
GRADUATE STUDIES	1	75,487	3,542	79,029
JOURNALISM & MASS COMMUNICATION	9	69,368	3,541	72,910
LAW	7	165,455	13,924	179,379
MEDICINE	918	59,241,003	16,705,588	75,946,590
Anatomy & Cell Biology	35	6,361,258	1,874,681	8,235,939
Anesthesiology	8	30,269	15,588	45,857
Biochemistry & Molecular Biology	13	1,396,876	603,452	2,000,328
Biostatistics	9	342,487	172,556	515,043
Cancer Biology	9	1,737,032	529,583	2,266,615
Emergency Medicine	7	14,280	28,719	43,000
Family Medicine	24	3,496,682	1,019,004	4,515,687
General Surgery	13	130,916	38,075	168,991
Health Policy & Management	2	21,110	1,705	22,815
Internal Medicine	301	11,212,354	2,735,825	13,948,179
M.D./Ph.D. Program	1	5,572	0	5,572
Microbiology, Molecular Genetics & Immunology	31	2,735,800	1,118,479	3,854,279
Molecular & Integrative Physiology	40	3,570,881	1,300,920	4,871,801
Neurology	121	3,971,700	1,278,229	5,249,930
Neurosurgery	12	88,590	31,796	120,385
Obstetrics & Gynecology	13	726,579	30,520	757,100
Ophthalmology	7	78,255	2,159	80,414
Orthopedic Surgery	11	603,804	302,497	906,301
Otorhinolaryngology and Head and Neck Surgery	10	468,627	123,364	591,992
Pathology & Laboratory Medicine	44	4,502,468	1,451,562	5,954,029
Pediatrics	40	4,898,561	694,761	5,593,322
Pharmacology, Toxicology & Therapeutics	39	3,985,815	1,478,620	5,464,435
Preventive Medicine and Public Health	37	3,941,600	1,184,551	5,126,150

Psychiatry & Behavioral Sciences	9	161,036	17,779	178,815
Radiation Oncology	4	47,683	44,822	92,504
Radiology	5	4,755	6,389	11,143
School of Medicine - Wichita	63	4,374,265	499,240	4,873,505
Urological Surgery	10	331,326	120,710	452,036
Pharmacy	0	423	0	423
MUSIC	1	35,536	2,795	38,331
NURSING	29	5,409,505	1,559,748	6,969,254
PHARMACY	155	16,524,448	5,587,601	22,112,050
Administration	12	27,324	9,429	36,754
Medicinal Chemistry	53	9,295,696	3,227,072	12,522,768
Pharmaceutical Chemistry	63	3,766,621	1,201,308	4,967,929
Pharmacology & Toxicology	23	3,400,851	1,149,792	4,550,643
Pharmacy Practice	4	33,955	0	33,955
SOCIAL WELFARE	85	8,020,088	670,979	8,691,066
TOTAL ACADEMIC UNITS	2,074	177,334,980	41,148,330	218,483,310
TOTAL NON-ACADEMIC UNITS ⁽¹⁾	478	39,025,413	6,775,741	45,801,154
TOTAL ⁽²⁾	2,452	213,563,586	46,895,517	260,459,103

(1) Allocations to investigators with appointments only in research centers or other non-academic units.

(2) Inter-campus expenditures are included in school and departmental totals to more accurately reflect sponsored project activities in these units. Totals for the entire university exclude inter-campus expenditures to avoid double counting.

**University of Kansas
Sponsored Project Expenditures by Research Center or other Non-Academic Units
FY2013**

Non-academic Unit	N Projects	Direct Costs	Facilities & Administration	Total
MULTI-CAMPUS RESEARCH CENTERS	18	1,384,093	421,073	1,805,166
Kansas Masonic Cancer Research Institute	18	1,384,093	421,073	1,805,166
UNIVERSITY RESEARCH CENTERS (Lawrence Campus)	652	65,251,801	14,442,511	79,694,313
Biodiversity Institute	46	2,765,899	728,738	3,494,637
Bioengineering Research Center	14	1,502,623	559,244	2,061,867
Center for Environmentally Beneficial Catalysis	14	3,186,672	378,951	3,565,622
Center for Research on Learning	65	6,986,821	966,536	7,953,358
Higuchi Biosciences Center	217	21,490,788	7,085,434	28,576,223
Information & Telecommunication Technology Center	52	1,802,942	597,545	2,400,487
Institute for Policy & Social Research	37	2,925,887	409,889	3,335,776
Joyce & Elizabeth Hall Center for the Humanities				
Grant Development Office	27	1,725,179	74,806	1,799,985
Kansas African Studies Center	0	0	0	0
Center for East Asian Studies	1	126,236	10,087	136,323
Center for Russian, East European and Eurasian Studies	4	291,506	0	291,506
Center of Latin American Studies	1	248,755	0	248,755
Schieffelbusch Institute for Life Span Studies	174	22,198,492	3,631,281	25,829,773
SURVEYS	86	8,290,983	861,651	9,152,634
Kansas Biological Survey	47	1,324,243	212,290	1,536,534
Kansas Geological Survey	39	6,966,739	649,361	7,616,100
PROGRAMS	75	8,427,243	1,464,486	9,891,730
Center for Remote Sensing of Ice Sheets	38	5,323,862	1,043,631	6,367,493
NSF EPSCoR	37	3,103,381	420,855	3,524,237
OTHER LAWRENCE CAMPUS RESEARCH CENTERS	208	22,921,481	3,847,986	26,769,468
Biotechnology, Innovation and Optimization Center	3	41,190	20,053	61,243
Center for Research Methods and Data Analysis	4	191,341	67,002	258,343
Center for Science Education	2	165,774	0	165,774
Center for Teaching Excellence	1	25,670	3,868	29,538
Center for Bioinformatics	1	-3,734	-2,008	-5,743
Center for Educational Testing & Evaluation	9	10,875,318	1,873,811	12,749,129
Confucius Institute	2	69,065	17,934	86,999
High Throughput Screening Lab	2	130,184	61,186	191,370
Institute for Educational Research & Public Service	83	7,197,127	712,494	7,909,621
Isotope Geochemistry Laboratory	1	16,088	4,183	20,271
Molecular Structures Group	2	98,356	49,912	148,268
Robert J. Dole Institute of politics	1	74,946	0	74,946
Spencer Museum of Art	2	73,034	23,749	96,783
Tertiary Oil Recovery Program	6	295,770	127,785	423,555
Transportation Research Institute	89	3,671,353	888,018	4,559,370
MEDICAL CENTER RESEARCH UNITS	76	10,835,418	3,074,062	13,909,480
Animal Resources	2	270,310	16,373	286,684
Center for Biostatistics and Advanced Informatics	3	86,811	28,234	115,045
Center for Environmental & Occupational Health	1	17,527	1,753	19,280
Center on Aging	12	1,561,728	350,348	1,912,076
Hoglund Brain Imaging Center	8	294,118	167,038	461,156
Kidney Institute	1	224,641	106,666	331,307
Center for Health Behavior Neuroscience	6	298,027	127,141	425,168
Cardiovascular Research Institute	15	2,181,070	751,440	2,932,510
Center for Child Health and Development	21	1,844,354	237,426	2,081,779
Frontiers: Heartland Institute for Clinical and Translational Research	2	3,334,231	944,667	4,278,897
Smith Intellectual and Developmental Disabilities Research Center	5	722,601	342,977	1,065,578
OTHER NON-ACADEMIC UNITS	56	6,928,083	329,627	7,257,711
Applied English Center	2	232,026	21,602	253,628
Continuing Education	6	272,903	42,908	315,812
Kansas Audio-Reader Network	1	413	0	413

KANU (Kansas Public Radio)	4	354,818	10,312	365,130
Legal Services for Students	3	20,642	3,910	24,552
Libraries (Lawrence Campus)	3	20,481	3,539	24,020
Lied Center	3	58,295	10,954	69,249
Student Affairs	0	39,781	2,095	41,876
Student Health Services	1	1,947	0	1,947
Telemedicine	5	755,379	101,398	856,777
University Career Center	2	14,568	1,378	15,946
Other Non-Academic Units	17	1,382,840	131,030	1,513,871
Medical Center Police	1	6,006	0	6,006
Student Financial Aid (KUMC)	0	3,669	0	3,669
Dykes Library (KUMC)	0	0	0	0
Research Institute (KUMC)	1	248,414	0	248,414
Public Affairs (KUMC)	2	19,422	500	19,922
Office of Executive Vice Chancellor (KUMC)	3	3,288,192	0	3,288,192
School of Medicine - Executive Dean	1	2,781	0	2,781
Information Resources: Internet Development	1	67,320	0	67,320
Associate Vice Chancellor Compliance (KUMC)	0	138,187	0	138,187
TOTAL RESEARCH CENTERS	1,171	124,039,102	24,441,398	148,480,500
TOTAL NON-CENTER RESEARCH ⁽¹⁾	1381	92,321,291	23,482,673	115,803,964
TOTAL ⁽²⁾	2,452	213,563,586	46,895,517	260,459,103

(1) Expenditures for projects not assigned to a research center or other non-academic unit.

(2) Inter-campus expenditures are included in school and departmental totals to more accurately reflect sponsored project activities in these units. Totals for the entire university exclude inter-campus expenditures to avoid double counting.

**University of Kansas
Sponsored Project Expenditures by Sponsoring Agency
FY2013**

SPONSOR	N Projects	Direct Costs	Facilities & Administration	Total
FEDERAL	1464	169,462,363	41,217,264	210,679,627
Department of Health & Human Services (excluding NIH)	139	18,496,149	1,951,741	20,447,890
National Institutes of Health	601	76,847,984	26,213,626	103,061,609
Department of Education	145	31,022,427	4,251,670	35,274,097
National Science Foundation	308	22,591,379	4,894,430	27,485,809
Department of Energy	33	5,340,025	697,858	6,037,883
Department of Defense	64	5,382,994	1,110,103	6,493,097
National Aeronautics & Space Administration	36	2,508,208	648,400	3,156,608
Environmental Protection Agency	11	397,744	87,182	484,926
Department of the Interior	28	731,367	122,497	853,863
Department of Transportation	39	1,709,492	542,710	2,252,202
Institute of Museum & Library Services	2	10,257	174	10,431
Department of Veterans Affairs	2	79,083	17,162	96,244
Department of Commerce	3	146,157	32,616	178,773
Department of Agriculture	11	1,420,035	285,958	1,705,992
Department of Labor	8	1,333,694	107,055	1,440,749
National Endowment for the Humanities	5	229,075	23,904	252,978
Small Business Administration	1	75,745	12,467	88,212
Department of Justice	5	219,811	53,150	272,960
Department of Housing and Urban Development	0	0	0	0
Department of State	5	407,110	50,994	458,104
Department of Homeland Security	4	196,333	46,104	242,436
National Endowment for the Arts	3	61,972	20,065	82,037
Treasury	2	20,229	3,771	24,000
Other Federal	9	235,094	43,630	278,723
STATE OF KANSAS	92	10,599,104	752,214	11,351,317
Kansas Technology Enterprise Corporation	10	492,531	0	492,531
Department of Health & Environment	4	230,269	30,383	260,652
Department of Education	10	4,751,243	443,877	5,195,120
Department of Transportation	23	848,417	57,737	906,155
Kansas Juvenile Justice Authority	1	15,223	0	15,223
Kansas Water Office	3	204,212	0	204,212
Department of Agriculture	2	39,320	18,610	57,930
Department of Commerce	3	76,500	0	76,500
Kansas Corporation Commission	1	124,020	0	124,020
Kansas Office of Aging	3	345,753	27,658	373,410
Kansas Department of Administration	6	368,611	0	368,611
Parsons State Hospital	2	119,115	0	119,115
Kansas Board of Regents	7	399,148	9,798	408,946
Kansas Health Policy Authority	2	16,010	112	16,123
Department of Revenue	3	215,855	0	215,855
Department of Corrections	1	28,030	1,972	30,002
KS Dept for Children and Families	7	2,180,955	147,634	2,328,589
Kansas Children's Cabinet and Trust Fund	3	142,481	14,226	156,707
Other State of Kansas	1	1,410	206	1,616
OTHER GOVERNMENTAL UNITS	34	1,171,395	186,282	1,357,677
INDUSTRY	458	7,701,125	2,374,067	10,075,193
FOUNDATIONS & NON-PROFIT ORGANIZATIONS	376	23,958,715	2,300,712	26,259,428
OTHER	28	670,883	64,978	735,861
TOTAL	2452	213,563,586	46,895,517	260,459,103