



**Sponsored Research at the
University of Kansas**
Fiscal Year 2008

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

Introduction

The tables in this report cover sponsored research on all campuses of the University of Kansas for Fiscal Year 2008 (July 1, 2007 through June 30, 2008). It includes awards—which represent success in obtaining resources needed to conduct research—and expenditures—a measure of the progress of this research.

So far during Fiscal Year 2009, KU research highlights include:

- KU ranked 44th in federally funded science and engineering research and development expenditures among comparable public universities (NSF Survey of R&D Expenditures at Universities and Colleges, Fiscal Year 2007).
- KU received the largest research award in its history, \$20.2 million for six years from the National Institutes of Health to establish a Specialized Chemistry Center at Lawrence.
- The third and fourth phases of the Structural Biology Center at Lawrence were completed at a cost of \$22.2 million.
- Support continued to build for KU's bi-campus plans to seek National Cancer Institute designation for The University of Kansas Cancer Center.
- Plans were finalized for construction of an \$8 million community/university wet-lab bioscience business incubator on the West Campus in Lawrence.
- The Ewing Marion Kauffman Foundation awarded \$8.1 million to KU for creation of a bi-campus Institute for Advancing Medical Innovation. The award will be matched by KU Endowment.
- KU received a \$9.5 million, five-year renewal from the National Institutes of Health for the Center of Excellence in Chemical Methodologies and Library Development.
- Ground was broken for a new home for the KU School of Pharmacy, currently ranked third in the nation in terms of the amount of research funding it receives from the National Institutes of Health.

More information about research at KU is on-line at www.rgs.ku.edu, including:

- *KU Research: Investing in People and Ideas* <http://www.rgs.ku.edu/downloads/ResearchFA08.pdf>
- Newsletter: *Research and Graduate Studies @ KU* <http://www.rgs.ku.edu/news/news/archive.shtml>

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 can be found at <http://www.rgs.ku.edu/depts/r-info/mcs-facr.shtml>. Reports for prior fiscal years, starting with 1998, are available at http://www.rgs.ku.edu/depts/r-info/annual_reports/annual_reports.shtml.

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University of Kansas

Sponsored Project Activity by Academic Unit: FY 2008

	AWARDS		EXPENDITURES				
	No.	TOTAL	No.	Direct	Facilities & Administrative	TOTAL	
						Federal Science & Engineering Research	All Projects
ALLIED HEALTH	24	2,534,855	50	2,081,871	745,702	2,032,635	2,827,573
ARCHITECTURE & URBAN DESIGN	2	56,984	1	2,453	0	0	2,453
BUSINESS	8	802,911	13	639,949	51,681	1,751	691,630
COLLEGE OF LIBERAL ARTS & SCIENCES	306	43,451,276	501	32,794,949	7,723,318	31,422,630	40,518,267
Administration ⁽¹⁾	3	312,065	6	1,387,412	82,528	1,130,564	1,469,940
Humanities	14	1,389,100	17	1,321,663	73,955	42,052	1,395,618
African & African-American Studies	3	278,332	3	329,242	24,978	35,896	354,220
East Asian Languages & Cultures	1	32,000	1	32,000	0	0	32,000
History	5	126,500	9	120,449	32	0	120,481
History of Art	2	330,227	1	278,457	14,118	0	292,575
Indigenous Nations Studies	0	98,272	0	55,824	15,110	6,156	70,934
Latin American Studies	0	5,000	0	5,000	-20	0	4,980
Philosophy	0	0	0	12,615	5,540	0	18,155
Russian & East European Studies	0	8,235	0	7,320	0	0	7,320
Slavic Languages & Literatures	2	470,534	1	442,870	14,747	0	457,617
Spanish & Portuguese	1	40,000	1	40,000	0	0	40,000
Natural Sciences and Mathematics	203	28,723,874	346	20,839,811	5,377,126	21,942,020	26,216,937
Bioinformatics Program	0	305,633	0	203,464	67,248	256,387	270,712
Biological Sciences	83	10,611,792	139	7,989,087	1,866,907	7,804,003	9,855,994
Ecology & Evolutionary Biology	45	4,448,453	88	4,107,409	924,999	4,032,173	5,032,408
Molecular Biosciences	38	6,163,339	51	3,881,678	941,908	3,771,830	4,823,586
Chemistry	35	8,440,653	61	5,311,478	1,535,619	5,936,905	6,847,097
Geography	19	3,371,099	28	2,909,652	625,159	3,094,034	3,534,811
Geology	29	2,201,813	57	1,523,455	397,162	1,241,234	1,920,617
Interdisciplinary Environmental Studies	2	120,167	6	215,126	35,241	148,913	250,367
Mathematics	8	416,628	17	470,842	190,456	644,087	661,298
Physics & Astronomy	27	3,256,089	38	2,216,707	659,334	2,816,457	2,876,041
Social Sciences	86	13,026,237	132	9,246,063	2,189,709	8,307,994	11,435,772
Anthropology	4	352,028	13	226,522	43,156	104,822	269,678
Applied Behavioral Science	30	7,609,714	47	5,242,828	1,082,575	4,049,247	6,325,403
Communication Studies	2	36,154	2	31,167	0	25,400	31,167
Economics	6	233,656	9	97,489	27,208	83,296	124,697
Linguistics	1	79,072	3	95,789	30,133	125,157	125,922
Political Science	10	559,792	9	335,023	136,347	357,085	471,370
Psychology	10	732,155	17	657,396	222,663	751,896	880,059
Public Administration	4	138,893	8	105,018	7,231	20,170	112,249

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Sponsored Project Activity by Academic Unit: FY 2008

	AWARDS		EXPENDITURES				
	No.	TOTAL	No.	Direct	Facilities & Administrative	TOTAL	
						Federal Science & Engineering Research	All Projects
Sociology	4	452,122	5	81,358	12,519	20,259	93,877
Speech/Language/Hearing	15	2,832,651	19	2,373,473	627,877	2,770,662	3,001,350
EDUCATION	118	25,942,104	181	21,780,050	2,580,079	2,820,613	24,360,129
Administration	19	4,371,114	31	4,315,001	405,140	7,676	4,720,141
Curriculum & Teaching	9	910,895	12	1,051,210	187,988	0	1,239,198
Educational Leadership & Policy Studies	10	2,050,707	19	2,114,914	157,978	0	2,272,892
Health, Sport & Exercise Sciences	11	403,826	13	405,576	115,103	484,756	520,679
Psychology & Research in Education	5	2,266,824	7	2,093,769	285,937	137,728	2,379,706
Special Education	64	15,938,738	99	11,799,580	1,427,933	2,190,453	13,227,513
EDWARDS CAMPUS	0	0	0	0	0	0	0
ENGINEERING	133	15,565,094	223	13,525,887	2,849,664	12,758,312	16,375,551
Administration ⁽²⁾	1	54,720	0	55,565	0	0	55,565
Aerospace Engineering	13	1,453,534	21	1,293,965	249,505	1,360,402	1,543,470
Chemical & Petroleum Engineering	23	2,980,131	37	2,180,909	558,607	2,255,229	2,739,516
Civil, Environmental & Architectural Engineering	51	4,236,840	77	3,310,715	505,076	2,292,388	3,815,791
Electrical Engineering & Computer Science	39	5,499,882	68	5,796,314	1,317,261	6,000,661	7,113,575
Mechanical Engineering	6	1,339,987	20	888,419	219,215	849,632	1,107,634
FINE ARTS	0	0	3	128,302	14,147	0	142,449
GRADUATE STUDIES	0	137,023	0	132,521	4,001	101,600	136,522
JOURNALISM & MASS COMMUNICATIONS	3	235,557	3	51,460	12,240	38,386	63,700
LAW	1	62,162	3	77,241	4,374	0	81,615
LIBRARIES	5	335,318	5	207,286	47,231	187,557	254,517
MEDICINE - KANSAS CITY	612	83,250,155	887	54,421,527	15,490,886	50,954,064	69,912,413
Administration	9	6,302,841	6	273,604	63,081	216,930	336,685
Anatomy & Cell Biology	27	11,536,726	40	7,723,275	2,073,035	9,164,553	9,796,310
Anesthesiology	3	38,580	4	1,214	7,710	0	8,924
Biochemistry & Molecular Biology	17	2,593,924	22	2,042,756	900,297	2,754,962	2,943,053
Biostatistics	4	213,046	2	200,663	95,082	295,745	295,745
Center for Environmental & Occupational Health	1	138,836	1	104,193	6,719	0	110,912
Center on Aging	17	3,684,147	22	2,375,943	487,327	1,826,626	2,863,270
Developmental Disabilities Center	8	1,424,562	14	1,293,094	61,216	14,596	1,354,310
Family Medicine	7	870,855	10	625,334	163,702	441,255	789,036
General Clinical Research Center	3	2,308,145	0	0	0	0	0
Health Policy & Management	0	65,878	5	141,949	33,757	113,209	175,706
History & Philosophy of Medicine	0	0	0	20,048	8,351	28,399	28,399
Hoglund Brain Imaging Center	13	1,238,004	17	630,872	114,482	260,977	745,354

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Sponsored Project Activity by Academic Unit: FY 2008

	AWARDS		EXPENDITURES				
	No.	TOTAL	No.	Direct	Facilities & Administrative	TOTAL	
						Federal Science & Engineering Research	All Projects
Internal Medicine	129	8,622,446	231	5,736,094	1,849,184	4,346,426	7,585,278
Kansas Masonic Cancer Research Institute	36	2,175,443	36	941,989	419,902	1,198,952	1,361,891
Mental Retardation Research Center	0	1,592	6	2,248,585	554,657	2,803,242	2,803,242
Microbiology, Molecular Genetics & Immunology	14	5,347,100	26	3,358,797	1,332,724	4,585,552	4,691,521
Molecular & Integrative Physiology	33	6,077,490	45	4,366,530	1,535,652	5,269,625	5,902,182
Neurology	87	3,951,372	104	3,803,677	970,208	2,554,087	4,773,885
Obstetrics & Gynecology	16	1,245,422	15	903,564	278,201	1,117,456	1,181,765
Ophthalmology	1	389,196	2	20,718	0	16,644	20,718
Otolaryngology	0	15,700	6	47,084	10,002	55,526	57,086
Pathology & Laboratory Medicine	19	2,683,311	25	2,120,972	563,402	2,332,255	2,684,374
Pediatrics	41	5,107,505	53	3,889,397	573,523	607,509	4,462,920
Pharmacology, Toxicology & Therapeutics	30	7,614,063	49	5,530,621	2,076,319	6,610,747	7,606,940
Preventive Medicine	21	4,582,094	33	3,606,640	783,090	2,483,226	4,389,730
Psychiatry & Behavioral Sciences	9	520,334	13	204,864	37,405	99,661	242,269
Radiation Oncology	0	409	3	5,550	808	0	6,358
Radiology	1	1,200	1	25,363	0	0	25,363
Physical Medicine & Rehabilitation	0	0	1	18,014	0	0	18,014
School of Medicine - Wichita	18	2,608,696	26	1,002,488	187,042	735,397	1,189,530
Surgery	46	1,586,285	62	747,620	255,498	668,051	1,003,118
Telemedicine	2	304,953	7	410,015	48,510	352,456	458,525
NURSING	22	6,194,332	28	3,999,714	1,326,134	2,033,557	5,325,848
PHARMACY	85	22,157,133	125	13,876,769	3,439,540	14,004,102	17,316,309
Medicinal Chemistry	31	11,476,429	45	7,286,878	1,654,768	8,831,554	8,941,646
Pharmaceutical Chemistry	29	5,537,555	49	4,345,653	1,135,858	2,959,178	5,481,511
Pharmacology & Toxicology	20	5,064,421	26	2,218,389	643,245	2,213,370	2,861,634
Pharmacy Practice	5	78,728	5	25,849	5,669	0	31,518
SOCIAL WELFARE	22	9,236,624	38	6,924,130	701,853	3,241,353	7,625,983
TOTAL ACADEMIC UNITS	1,341	209,961,528	2,061	150,644,109	34,990,850	119,596,560	185,634,959
TOTAL NON-ACADEMIC UNITS⁽³⁾	110	14,998,933	185	14,272,226	1,766,210	6,238,300	16,038,436
TOTAL⁽⁴⁾	1,416	220,450,839	2,153	161,997,744	35,798,837	122,397,438	197,796,581

(1) Includes NSF EPSCoR administrative costs.

(2) Includes NASA EPSCoR administrative costs.

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

(4) 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 Activity by Research Unit: FY 2008⁽¹⁾

	AWARDS		EXPENDITURES				
	No.	TOTAL	No.	Direct	Facilities & Administrative	TOTAL	
						Federal Science & Engineering Research	All Projects
KUCR DESIGNATED RESEARCH CENTERS	299	73,170,036	460	54,273,458	10,750,445	43,164,109	65,023,903
Biodiversity Research Center	24	3,407,750	42	3,647,240	852,137	3,903,165	4,499,377
Bioengineering Research Center	6	609,999	3	331,434	71,844	320,797	403,278
Center for Environmentally Beneficial Catalysis	5	2,405,242	10	2,081,221	498,284	2,444,094	2,579,505
Center for Remote Sensing of Ice Sheets	16	5,573,973	22	5,199,020	1,046,455	6,073,967	6,245,475
Center for Research on Learning	25	8,178,438	40	5,589,918	773,811	441,318	6,363,729
Higuchi Biosciences Center	78	24,132,088	108	14,109,011	3,224,059	14,769,852	17,333,070
Information & Telecommunication Technology Center	27	2,306,514	52	2,893,964	734,447	2,661,482	3,628,411
Joyce & Elizabeth Hall Center for the Humanities	13	1,303,340	22	1,271,529	61,597	47,861	1,333,126
Grant Development Office	6	135,470	15	112,991	0	0	112,991
Kansas African Studies Center	2	357,109	3	426,679	33,304	47,861	459,983
Center for East Asian Studies	2	330,227	1	278,457	14,118	0	292,575
Center for Russian, East European & Eurasian Studies	2	470,534	1	442,870	14,747	0	457,617
Center of Latin American Studies	1	10,000	2	9,960	0	0	9,960
Schiefelbusch Institute for Life Span Studies	105	25,252,692	161	19,150,121	3,487,811	12,501,573	22,637,932
SURVEYS	55	3,757,332	116	3,475,528	640,030	2,264,211	4,115,558
Kansas Biological Survey	26	1,292,386	57	1,562,869	317,271	1,206,900	1,880,140
Kansas Geological Survey	29	2,464,946	59	1,912,659	322,759	1,057,311	2,235,418
OTHER LAWRENCE CAMPUS RESEARCH CENTERS	155	20,309,248	210	17,527,697	2,427,820	6,679,719	19,955,517
American Indian Outreach Program	0	0	1	120,528	97	120,625	120,625
Biotechnology, Innovation & Optimization Center	1	24,610	1	2,495	0	0	2,495
Center for Applied Economics	0	0	1	-366	0	0	-366
Center for Science Education	1	99,992	4	301,996	11,341	32,074	313,337
Center for Teaching Excellence	0	0	1	1,150	115	0	1,265
Center for Bioinformatics	3	496,500	3	285,392	91,760	348,502	377,152
Center for Educational Testing & Evaluation	2	3,700,000	3	3,446,338	433,665	0	3,880,003
Confucius Institute	0	0	1	16,957	0	0	16,957
Energy Research Center	0	147,908	7	298,713	113,992	255,164	412,705
Institute for Educational Research & Public Service	37	6,164,738	62	6,166,223	494,577	22,238	6,660,800
Institute for Policy & Social Research	21	1,077,416	27	632,653	166,540	445,155	799,193
Isotope Geochemistry Laboratory	5	480,176	6	176,030	58,506	222,051	234,536
Microscopy & Analytical Imaging Laboratory	0	0	1	900,000	0	900,000	900,000
Molecular Structures Group	4	95,702	4	147,576	59,779	207,355	207,355
Robert J. Dole Institute of politics	0	0	2	264,459	0	0	264,459
Spencer Museum of Art	1	25,000	4	58,344	6,054	0	64,398
Tertiary Oil Recovery Project	3	249,367	5	258,836	87,647	296,196	346,483
Transportation Research Institute	77	7,747,839	77	4,450,373	903,747	3,830,359	5,354,120
PROGRAMS	2	2,410,847	5	1,867,183	230,214	1,602,059	2,097,397
NASA EPSCoR/Kansas Space Grant Consortium	0	0	2	201,164	9,214	115,472	210,378
NSF EPSCoR	2	2,410,847	3	1,666,019	221,000	1,486,587	1,887,019

University of Kansas

Sponsored Project Activity by Research Unit: FY 2008⁽¹⁾

	AWARDS		EXPENDITURES				
	No.	TOTAL	No.	Direct	Facilities & Administrative	TOTAL	
						Federal Science & Engineering Research	All Projects
MEDICAL CENTER RESEARCH UNITS	82	11,183,775	97	7,616,285	1,650,731	6,104,393	9,267,016
Animal Resources	0	0	1	21,609	6,428	0	28,037
Biostatistics	4	213,046	0	0	0	0	0
Center for Environmental & Occupational Health	1	138,836	1	104,193	6,719	0	110,912
Center on Aging	17	3,684,147	22	2,375,943	487,327	1,826,626	2,863,270
Developmental Disabilities Center	8	1,424,562	14	1,293,094	61,216	14,596	1,354,310
General Clinical Research Center	3	2,308,145	0	0	0	0	0
Hoglund Brain Imaging Center	13	1,238,004	17	630,872	114,482	260,977	745,354
Kansas Masonic Cancer Research Institute	36	2,175,443	36	941,989	419,902	1,198,952	1,361,891
Mental Retardation & Human Development	0	1,592	6	2,248,585	554,657	2,803,242	2,803,242
OTHER UNITS	26	2,551,584	54	2,553,935	148,157	352,456	2,702,092
Continuing Education	2	120,457	6	197,639	18,802	0	216,441
Facilities Operations Management	0	0	2	9,452	0	0	9,452
Kansas Audio-Reader Network	1	3,000	0	0	0	0	0
KANU Radio	1	236,459	2	127,151	0	0	127,151
Lied Center of Kansas	7	83,000	5	30,191	5,159	0	35,350
Office of Academic Affairs (KUMC)	0	19,984	0	0	0	0	0
Office of International Programs	1	62,263	1	15,402	0	0	15,402
Student Success	2	94,883	3	75,958	6,322	0	82,280
Student Services (KUMC)	2	13,061	0	0	0	0	0
Telemedicine	2	304,953	7	410,015	48,510	352,456	458,525
Other Non-Academic Units	8	1,613,524	28	1,688,127	69,364	0	1,757,491
TOTAL RESEARCH CENTERS	619	113,382,822	944	87,514,749	15,942,479	60,462,692	103,457,228
TOTAL NON-CENTER RESEARCH⁽²⁾	832	111,602,137	1,303	77,424,422	20,815,885	65,372,161	98,240,307
TOTAL⁽³⁾	1,416	220,450,839	2,153	161,997,744	35,798,837	122,397,438	197,796,581

(1) During FY 2009, the Office of Research and Graduate Studies adopted new terminology and a new structure for the research entities to which it relates directly. These changes will be reflected in the FY 2009 edition of *Sponsored Research at the University of Kansas*.

(2) Projects not assigned to a research center.

(3) Inter-campus expenditures are included in individual center 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 Activity by Sponsoring Agency: FY 2008

AWARDS		EXPENDITURES			
No.	TOTAL	No.	Direct	Facilities & Administrative	TOTAL

	774	180,511,893	1,108	134,913,978	31,872,484	166,786,462
FEDERAL						
Department of Health & Human Services	399	115,691,497	499	78,829,025	21,824,393	100,653,418
National Institutes of Health	326	100,912,627	395	66,066,513	20,201,770	86,268,283
Department of Education	99	30,877,678	157	25,895,347	2,743,990	28,639,337
National Science Foundation	109	19,233,891	206	17,375,995	4,249,014	21,625,009
Department of Energy	16	2,023,355	35	2,432,713	730,055	3,162,768
Department of Defense	34	2,566,647	52	2,805,954	653,306	3,459,260
National Aeronautics & Space Administration	23	1,856,298	38	1,619,096	404,070	2,023,166
Environmental Protection Agency	2	226,785	13	461,426	160,786	622,212
Department of the Interior	15	772,559	28	605,099	66,278	671,377
Department of Transportation	45	6,032,113	25	3,397,101	860,691	4,257,792
Institute of Museum & Library Services	0	0	2	184,751	36,921	221,672
Department of Veterans Affairs	2	105,057	0	0	0	0
Department of Commerce	1	100,000	0	0	0	0
Department of Agriculture	6	168,961	14	554,445	55,635	610,080
Department of Labor	0	0	0	35,572	0	35,572
National Endowment for the Humanities	1	40,000	4	39,070	-241	38,829
Small Business Administration	2	95,783	3	94,888	2,886	97,774
Department of Justice	2	125,732	6	280,612	754	281,366
Department of Housing & Urban Development	0	0	2	49,311	12,835	62,146
Department of State	1	16,470	2	6,261	0	6,261
Department of Homeland Security	1	24,000	2	18,432	6,072	24,504
National Security Agency	2	29,999	1	9,277	1,391	10,668
National Endowment for the Arts	8	90,224	11	118,337	11,213	129,550
Department of the Treasury	1	62,500	2	41,324	14,173	55,497
Central Intelligence Agency	1	83,814	1	64,388	30,906	95,294
Other Federal	4	288,530	3	48,241	7,277	55,518
STATE OF KANSAS	63	8,657,444	92	6,539,405	72,229	6,611,634
Kansas Technology Enterprise Corporation	13	2,622,010	10	2,805,782	3,561	2,809,343
Department of Health & Environment	7	438,366	6	108,012	909	108,921
Department of Education	3	290,000	8	319,681	15,834	335,515
Department of Social & Rehab. Services	3	499,204	9	669,242	37,193	706,435
Department of Transportation	14	887,164	26	1,024,387	3,538	1,027,925
Kansas Juvenile Justice Authority	1	11,440	2	89,942	7,965	97,907
Kansas Water Office	4	308,534	9	365,859	0	365,859
Department of Agriculture	0	0	2	3,327	0	3,327
Kansas Corporation Commission	1	242,726	1	196,090	1	196,091
Department of Wildlife & Parks	1	40,000	2	174,102	0	174,102
Kansas Bioscience Authority	4	2,480,000	2	147,118	0	147,118
Kansas Department of Administration	3	321,662	4	329,315	2,314	331,629
Parsons State Hospital	2	134,500	2	129,760	0	129,760
Kansas Board of Regents	1	8,393	1	892	0	892
Other State of Kansas	6	373,445	8	175,896	914	176,810

University of Kansas

Sponsored Project Activity by Sponsoring Agency: FY 2008

	AWARDS		EXPENDITURES			
	No.	TOTAL	No.	Direct	Facilities & Administrative	TOTAL
OTHER GOVERNMENTAL UNITS	21	1,081,792	30	1,063,731	124,819	1,188,550
INDUSTRY	310	10,783,493	446	5,362,860	2,132,134	7,494,994
FOUNDATIONS & NON-PROFIT ORGANIZATIONS	178	11,755,346	325	11,021,542	1,441,172	12,462,714
OTHER	70	7,660,871	152	3,096,228	155,999	3,252,227
TOTAL	1,416	220,450,839	2,153	161,997,744	35,798,837	197,796,581