# **RESEARCH** — Kansas State University 2014



**Office of Research and Sponsored Programs** 



Vice President for Research 108 Anderson Hall Manhattan, KS 66506-0113 785-532-5110 Fax: 785-532-6507

September 9, 2014

Dear Colleague:

The Office of the Vice President for Research is pleased to provide the attached proposal/award activity report for the period July 1<sup>st</sup>, 2013– June 30<sup>th</sup>, 2014. These reports are intended to provide you with information regarding faculty efforts to obtain extramural support, along with a summary of their respective successes to date. As a reminder, you can also review a monthly listing of awards by going to the following link:

http://www.k-state.edu/research/awards/

If you have any questions regarding the contents of the attached report, you may contact Paul Lowe at plowe@ksu.edu or 2-6804 or Cecelia Scaler at cscaler@k-state.edu or 2-6804.

We hope you continue to find this information useful.

Thank you for your continued support and hard work.

Sincerely,

R.W. Trewyn Assistant to the President

Karen & Burg

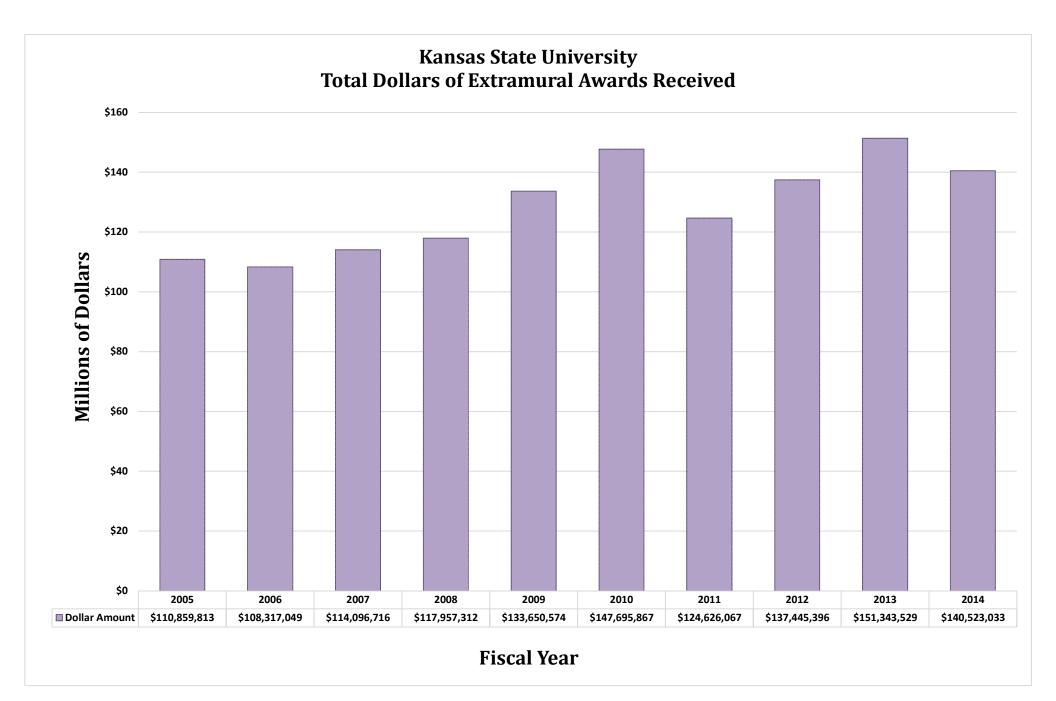
Karen J. L. Burg Vice President for Research

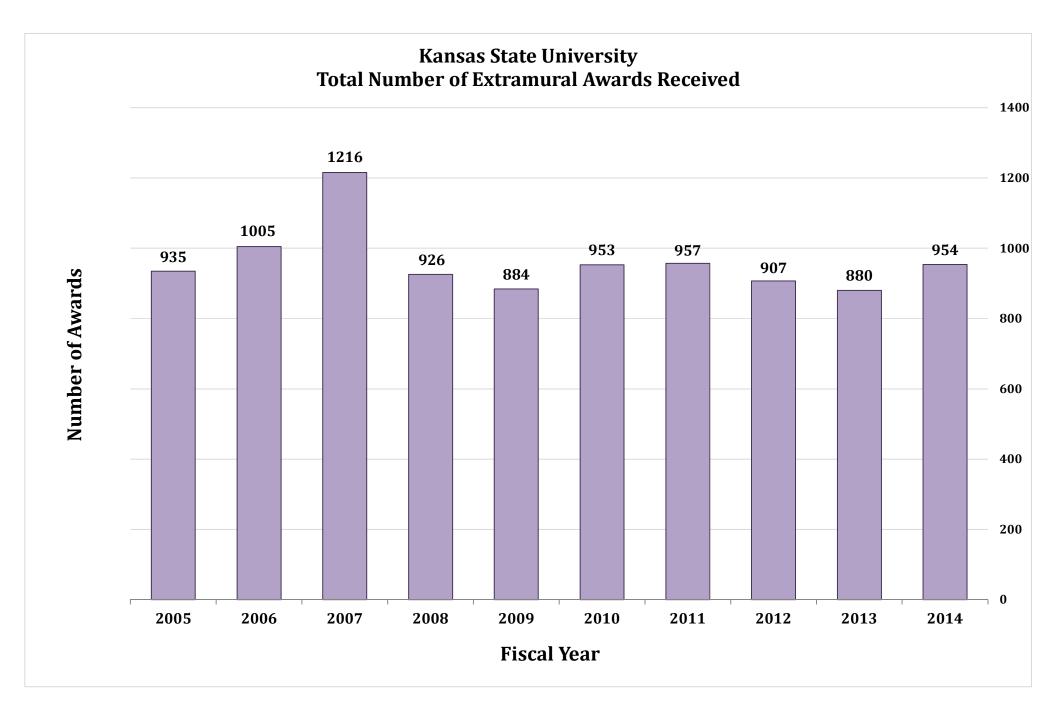
#### FY14 ANNUAL REPORT RESEARCH/SCHOLARLY ACTIVITY FUNDING BASE KANSAS STATE UNIVERSITY

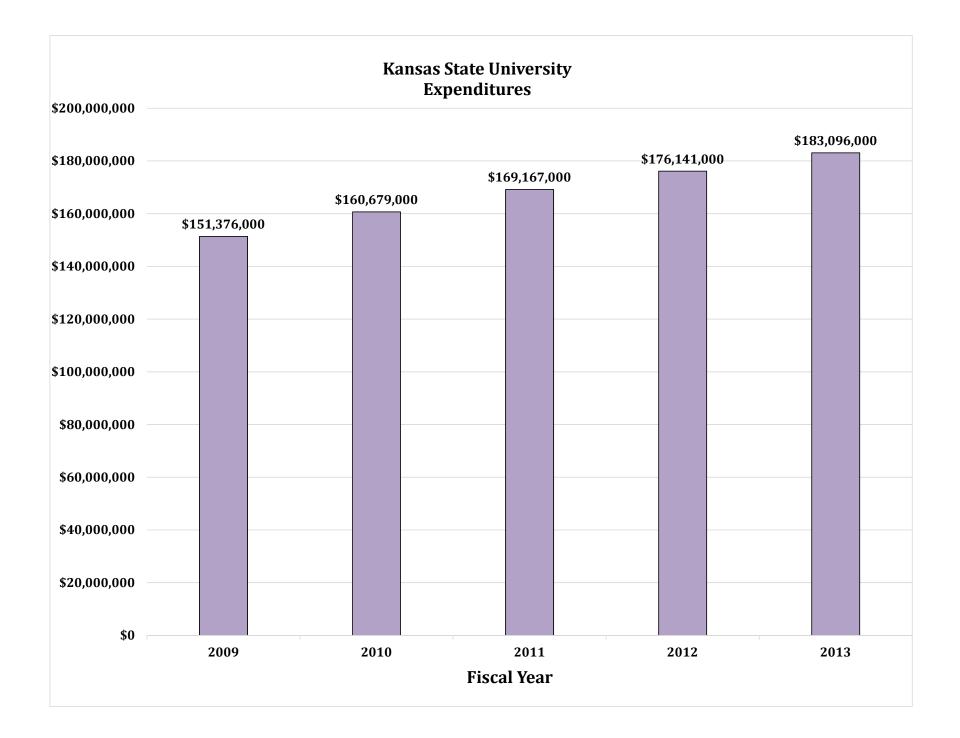
The research funding base at Kansas State University consists of funds appropriated from federal and state sources, gifts from alumni and friends, and awards of extramural funds from federal and state agencies, foundations, and various private and industrial organizations, mainly through the competitive grants process.

I.	Sponsored		\$140,523,033
II.	Appropriated		
	Main Campus State Appropriation	\$14,367,822	
	Experiment Station Programs and Extension Services Federal Appropriation* State Appropriation	\$10,143,763 \$45,777,434	
	Veterinary Medical Center State Appropriation	\$0	
	College of Technology and Aviation State Appropriation	\$31,014	
	SUBTOTAL		\$70,320,033
III.	Donated**		\$41,144,611
	RESEARCH/SCHOLARLY ACTIVITY BASE GRAND TOTAL		\$251,987,677

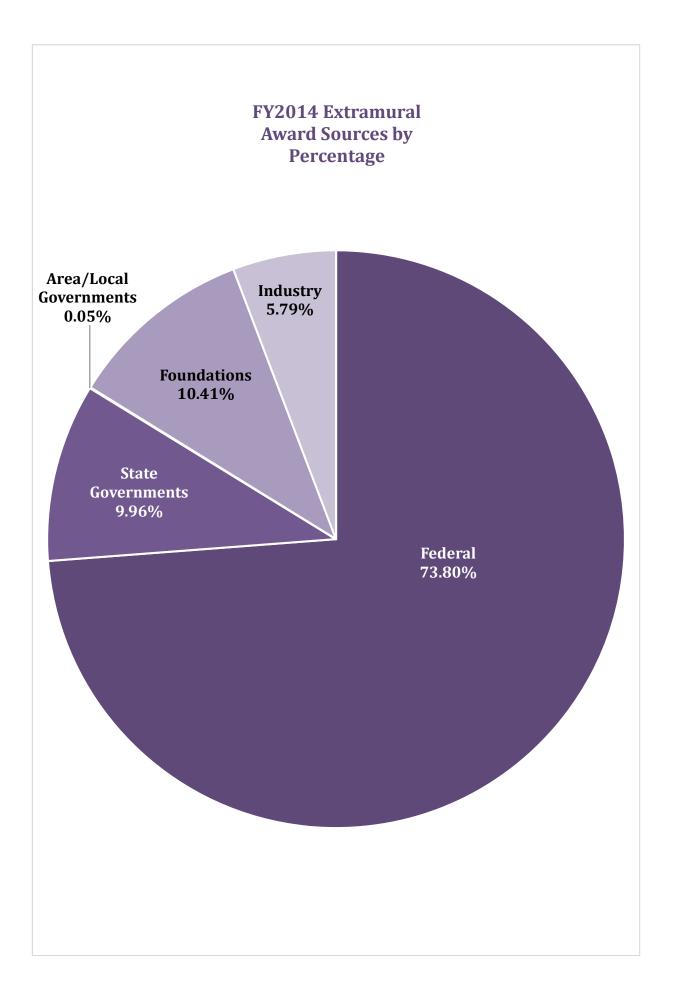
 $\star\star KSU$  Foundation funds transferred to KSU in support of research/ scholarly activity (excludes transfers to Athletics).

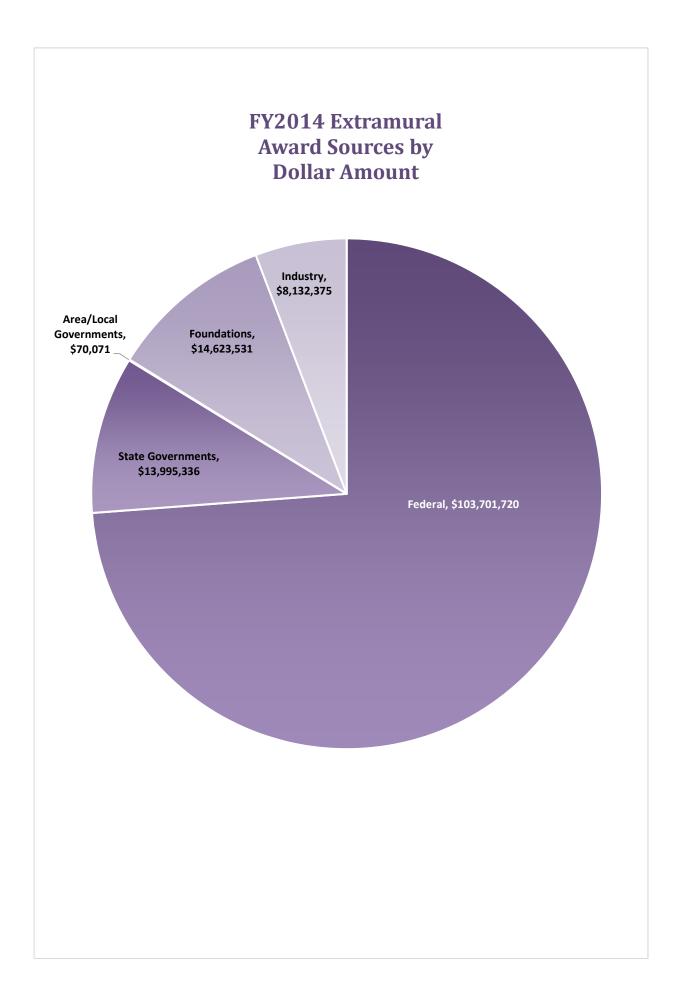


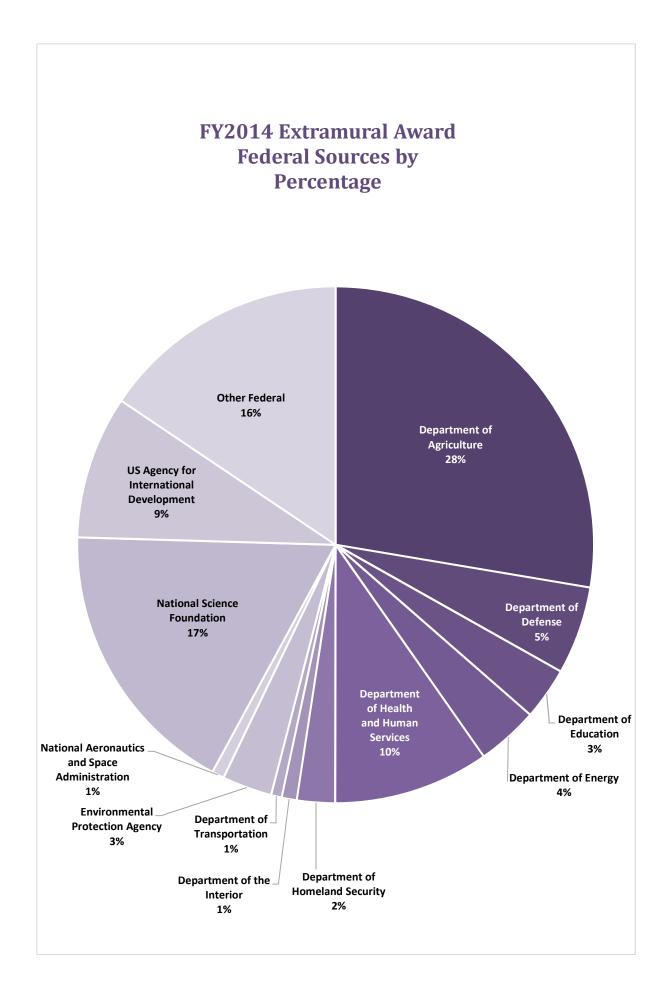


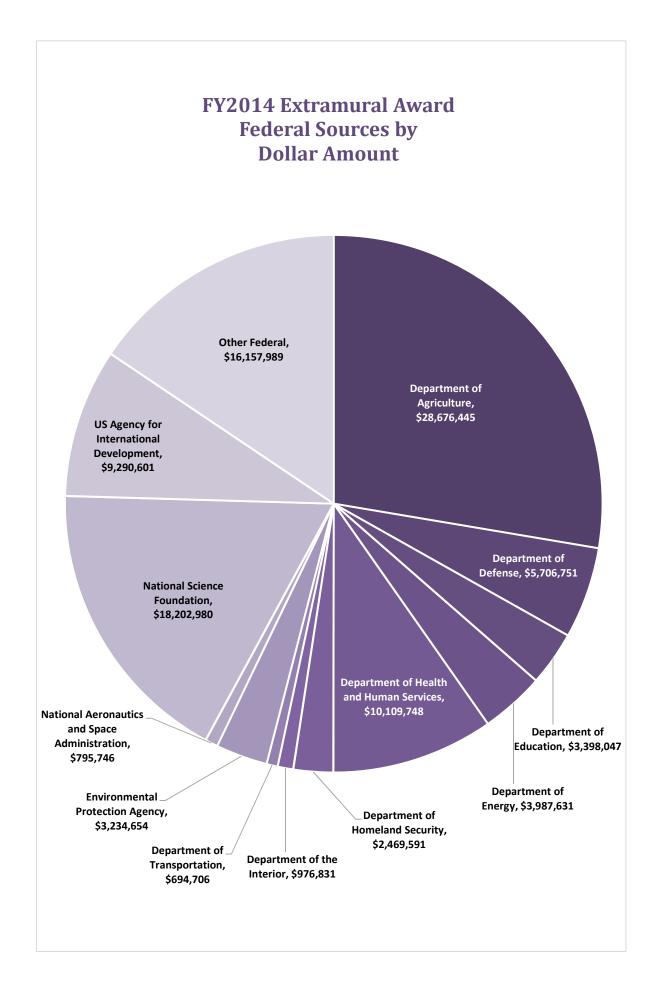


Kansas State University Sources of Awards Fiscal Year 2014 Number Dollar of Source Awards Value Percentage Government: Area/Local Governments 10 70,071 0.05% State Governments 51 13,995,336 9.96% Federal: Department of Agriculture 28,676,445 20.41% 137 Department of Defense 28 5,706,751 4.06% Department of Education 3,398,047 2.42% 15 Department of Energy 15 3,987,631 2.84% Department of Health and Human Services 65 10,109,748 7.19% Department of Homeland Security 2,469,591 1.76% 11 Department of the Interior 18 976,831 0.70% Department of Transportation 0.49% 6 694,706 Environmental Protection Agency 20 3,234,654 2.30% National Aeronautics and Space Administration 12 795,746 0.57% National Science Foundation 89 18,202,980 12.95% US Agency for International Development 9,290,601 6.61% 17 Other Federal 39 16,157,989 11.50% Private: Foundations 282 14,623,531 10.41% Industry 139 8,132,375 5.79% TOTAL 954 140,523,033 100.00%







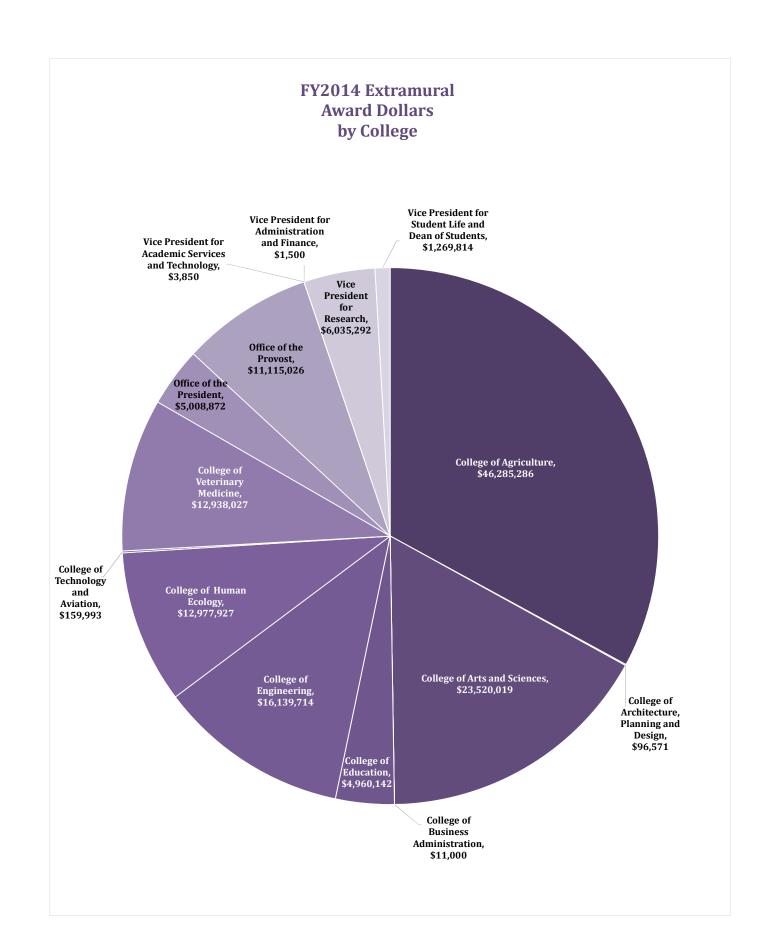


Distribution of New Awards Among Colleges and Offices of the University Fiscal Year 2014

College/Office	Number of Awards	Dollar Value	Percentage
College of Agriculture	429	\$46,285,286 *	39.53%
College of Architecture, Planning and Design	10	\$96,571	0.08%
College of Arts and Sciences	164	\$23,520,019	20.09%
College of Business Administration	2	\$11,000	0.01%
College of Education	29	\$4,960,142	4.24%
College of Engineering	132	\$16,139,714	13.78%
College of Human Ecology	44	\$12,977,927 **	11.08%
College of Technology and Aviation	4	\$159,993	0.14%
College of Veterinary Medicine	90	\$12,938,027	11.05%
Office of the President	2	\$5,008,872	
Office of the Provost	16	\$11,115,026	
Vice President for Academic Services and Technology	1	\$3,850	
Vice President for Administration and Finance	2	\$1,500	
Vice President for Research	13	\$6,035,292	
Vice President for Student Life and Dean of Students	16	\$1,269,814	
UNIVERSITY TOTAL	954	\$140,523,033	100.00%

\*Includes Cooperative Extension Projects in College of Agriculture \*\*Includes Cooperative Extension Projects in College of Human Ecology

NOTE: See 5 Year Summary of Extramural Support for Individual College Unit Details



	Proposals			Awards		
Department/College	Submitted	*Period	**Total	Received	***Total	
COLLEGE OF AGRICULTURE						
Agricultural Economics	58	\$5,575,531	\$23,871,294	21	\$2,701,748	
Agricultural Experiment Station	0	\$0	\$0	1	\$10,000	
Agricultural Research Center-Hays	31	\$653,444	\$2,064,730	16	\$536,961	
Agriculture and Natural Resources	0	\$0	\$0	0	\$0	
Agronomy	149	\$6,277,833	\$18,113,046	91	\$9,047,246	
Animal Sciences and Industry	61	\$3,455,132	\$7,343,297	48	\$4,160,941	
Communications	7	\$308,604	\$684,514	4	\$572,825	
Dean of Agriculture and Director of AES	11 44	\$77,766 \$1,752,000	\$372,619	4 33	\$4,080,119 \$2,051,407	
Entomology Food Science Institute	44	\$1,753,990 \$79,557	\$5,793,412 \$664,038	2	\$2,951,497 \$351,396	
Grain Science and Industry	4 60	\$2,703,923	\$7,658,163	48	\$4,881,064	
Horticulture, Forestry and Recreation Resources	32	\$2,548,113	\$9,746,164	18	\$1,212,934	
International Agricultural Programs	0	\$0	\$0	1	\$473,742	
Kansas Industrial Extension Services	0	\$0	\$0	0	\$0	
KS Ctr for Agri & the Env./KS Water Resource Res. Inst.	19	\$589,667	\$1,653,545	14	\$1,237,346	
Northwest Research Extension Center	12	\$142,448	\$418,725	8	\$167,220	
Office of Academic Programs	1	\$70,427	\$70,427	2	\$223,774	
Plant Biotechnology Center	1	\$144,000	\$144,000	1	\$72,000	
Plant Pathology	84	\$8,814,297	\$26,480,495	71	\$8,563,872	
Southeast Agricultural Research Center	6	\$102,087	\$286,249	1	\$26,385	
Southwest Research Extension Center	20	\$518,471	\$1,227,105	11	\$231,245	
Total Agriculture	600	\$33,815,290	\$106,591,823	395	\$41,502,315	
COLLEGE OF ARCHITECTURE, PLANNING & DESIGN						
Architecture	4	\$117,193	\$268,112	1	\$25,000	
Dean of Architecture, Planning and Design	0	\$0	\$0	0	\$0	
Interior Architecture and Product Design	0	\$0	\$0	0	\$0	
Landscape Architecture/Regional & Community Planning	9	\$414,115	\$1,304,115	9	\$71,571	
Total Architecture, Planning and Design	13	\$531,308	\$1,572,227	10	\$96,571	
COLLEGE OF ARTS AND SCIENCES						
American Ethnic Studies	0	\$0	\$0	0	\$0	
Art	0	\$0	\$0	0	\$0	
Biochemistry	26	\$3,817,005	\$13,426,823	13	\$2,463,717	
Biology	79	\$10,542,596	\$31,658,005	57	\$8,162,164	
Center for Basic Cancer Research	1	\$210,000	\$420,000	0	\$0	
Chemistry	42	\$6,209,648	\$19,023,148	18	\$2,243,577	
Communication Studies, Theatre and Dance	0 0	\$0 \$0	\$0 \$0	0 0	\$0 \$0	
Community Health Institute Dean of Arts and Sciences	1	<sub>40</sub> \$26,532	<sub>4</sub> 0 \$74,995	1	\$0 \$200,000	
Economics	0	\$20,552 \$0	\$74,995 \$0	0	\$200,000 \$0	
English	9	\$657,727	<del>پ</del> و \$744,184	0	\$0 \$0	
Geography	14	\$899,190	\$2,349,009	10	\$1,118,409	
Geology	10	\$977,742	\$2,482,224	4	\$229,475	
History	1	\$40,000	\$40,000	0	\$0	
James R. Macdonald Laboratory	1	\$766,187	\$2,289,562	0	\$0	
Kinesiology	0	\$0	\$0	3	\$178,084	
Mathematics	23	\$1,301,945	\$4,759,303	9	\$861,187	
Modern Languages	0	\$0	\$0	1	\$6,000	
Music	3	\$34,950	\$68,977	1	\$15,950	

		Proposals		A	wards
Department/College	Submitted	*Period	**Total	Received	***Total
Philosophy	1	\$25,728	\$25,728	0	\$0
Physics	48	\$13,529,139	\$56,489,727	21	\$5,694,471
Political Science	3	\$110,444	\$114,444	1	\$4,000
Psychological Sciences	14	\$3,643,070	\$16,161,890	3	\$934,052
School of Journalism and Mass Communications	3	\$73,545	\$73,545	4	\$835,043
Sociology, Anthropology and Social Work	17	\$343,985	\$989,807	14	\$488,048
Statistics	17	\$515,136	\$1,330,637	4	\$85,842
Women Studies	0	\$0	\$0	0	\$0
Total Arts and Sciences	313	\$43,724,569	\$152,522,008	164	\$23,520,019
COLLEGE OF BUSINESS ADMINISTRATION					
Finance	0	\$0	\$0	0	\$0
Accounting	0	\$0 \$0	\$0	0	\$0
Dean of Business Administration	0	\$0	\$0	0	\$0
Management	0	\$0	\$0	1	\$1,000
Marketing	0	\$0	\$0	1	\$10,000
Total Business Administration	0	\$0	\$0	2	\$11,000
COLLEGE OF EDUCATION					
Curriculum and Instruction	1	\$591,470	\$2,456,468	0	\$0
Dean of Education	31	\$6,030,792	\$24,966,503	27	\$4,913,616
Educational Leadership	2	\$62,443	\$103,001	1	\$19,500
Elementary Education	0	\$0	\$0	0	\$0
Secondary Education	0	\$0	\$0	0	\$0
Special Education, Counseling and Student Affairs	1	\$27,026	\$27,026	1	\$27,026
Total Education	35	\$6,711,731	\$27,552,998	29	\$4,960,142
COLLEGE OF ENGINEERING					
Advanced Manufacturing Institute	3	\$178,285	\$270,000	5	\$1,372,000
Architectural Engineering and Construction Science	2	\$176,311	\$429,900	1	\$37,730
Biological and Agricultural Engineering	38	\$2,320,408	\$6,990,901	12	\$794,204
Center for Hazardous Substance Research	6	\$366,444	\$1,376,206	5	\$2,274,343
Chemical Engineering	22	\$3,736,631	\$8,683,595	11	\$1,475,765
Civil Engineering	19	\$1,009,245	\$2,101,025	17	\$1,193,043
Computing and Information Sciences	28	\$2,574,173	\$6,965,195	20	\$2,908,196
Dean of Engineering Electrical and Computer Engineering	1 28	\$26,532 \$3,532,754	74,995\$ \$11,889,848	2 17	\$200,378 \$1,426,653
Engineering Experiment Station	0	\$3,332,734 \$0	\$11,009,040 \$0	0	\$1,420,033 \$0
Industrial and Manufacturing Systems Engineering	15	\$1,059,067	\$3,467,295	9	\$903,179
Institute for Environmental Research	7	\$1,296,204	\$1,702,101	2	\$421,049
Kansas Industrial Extension Service	11	\$711,635	\$741,268	12	\$849,510
Mechanical and Nuclear Engineering	68	\$16,136,742	\$45,012,714	18	\$2,245,934
National Gas Machinery Laboratory	0	\$0	\$0	1	\$37,730
National Institute for Land Management and Training	0	\$0	\$0	0	\$0
Total Engineering	248	\$33,124,431	\$89,705,043	132	\$16,139,714

#### COLLEGE OF HUMAN ECOLOGY

	Proposals				Awards		
Department/College	Submitted	*Period	**Total	Received	***Total		
		<b>\$5,000</b>	<b>*</b> • <b>F</b> • • • •	0	<b>\$</b> 0		
Apparel, Textiles, and Interior Design	1	\$5,636	\$15,000	0	\$0		
Communication Studies, Theatre, Dance	0	\$0	\$0	0	\$0		
Communications	0	\$0	\$0	0	\$0		
Dean of Human Ecology	4	\$568,238	\$848,456	3	\$491,557		
Hospitality Management and Dietetics	2	\$1,991	\$801,991	4	\$827,642		
Human Nutrition	32	\$1,726,993	\$4,127,055	14	\$1,506,520		
Kinesiology	9	\$955,438	\$3,461,741	4	\$124,866		
School of Family Studies and Human Services	21	\$4,007,128	\$9,843,072	18	\$7,537,520		
Total Human Ecology	69	\$7,265,424	\$19,097,315	43	\$10,488,105		
COLLEGE OF TECHNOLOGY AND AVIATION							
Academic Services	0	\$0	\$0	0	\$0		
Applied Aviation Research Center	7	\$315,857	\$411,028	2	\$157,993		
Arts, Science and Business	2	\$133,620	\$203,948	1	\$500		
Aviation	1	\$228,596	\$499,964	0	\$0		
College Advancement	0	\$0	\$0	1	\$1,500		
Dean of College of Technology and Aviation	0	\$0	\$0	0	\$0		
Engineering Technology	0	\$0	\$0	0	\$0		
Fiscal Affairs	0	\$0	\$0	0	\$0		
Total Technology and Aviation	10	\$678,073	\$1,114,940	4	\$159,993		
COLLEGE OF VETERINARY MEDICINE							
Anatomy and Physiology	27	\$3,045,436	\$8,887,296	20	\$2,997,688		
Clinical Sciences	21	\$381,852	\$1,246,502	13	\$771,662		
Dean of Veterinary Medical Center	1	\$30,000	\$50,000	1	\$206,431		
Diagnostic Medicine/Pathobiology	87	\$8,821,802	\$35,551,145	52	\$8,910,119		
Veterinary Diagnostic Laboratory	8	\$170,245	\$236,099	3	\$50,127		
Veterinary Medical Teaching Hospital	1	\$450	\$450	1	\$2,000		
Total Veterinary Medical Center	145	\$12,449,785	\$45,971,492	90	\$12,938,027		
COOPERATIVE EXTENSION							
Cooperative Extension - Agriculture							
Agricultural Economics	0	\$0	\$0	0	\$0		
Agriculture and Natural Resources	4	\$82,574	\$1,036,021	4	\$562,308		
Agronomy	1	\$10,632	\$10,632	1	\$21,677		
Biological and Agricultural Engineering	0	\$0	\$0	0	\$0		
Communications	0	\$0	\$0	0	\$0		
County Agents-Metropolitan Sector	0	\$0	\$0	0	\$0		
County Agents-Northwest Sector	0	\$0	\$0	0	\$0		
Director of Cooperative Extension	1	\$39,977	\$39,977	2	\$283,589		
Four-H Youth Development	6	\$119,500	\$389,433	6	\$307,433		
Kansas Forest Service	7	\$4,001,609	\$4,419,647	10	\$3,442,665		
KS Ctr for Agri & the Env./KS Water Resource Res. Inst.	0	\$0	\$0	0	\$0		
Northeast Area Office	2	\$19,487	\$48,317	2	\$56,784		
Northeast/Metro Area Office	0	\$0	\$0	0	\$0		
Northwest Area Office	8	\$119,003	\$158,870	1	\$1,575		
Southeast Area Office	6	\$40,387	\$88,813	4	\$42,263		

		Proposals		A	wards
Department/College	Submitted	*Period	**Total	Received	***Total
Southwest Area Office	17	\$391,843	\$710,534	4	\$64,677
Subtotal Cooperative Ext - Agriculture	52	\$4,825,012	\$6,902,244	34	\$4,782,971
Cooperative Extension - Human Ecology					
Family and Consumer Sciences	1	\$2,490,054	\$2,490,054	1	\$2,489,822
Human Nutrition	0	\$0	\$0	0	\$0
Nutrition Program	0	\$0	\$0	0	\$0
Subtotal Cooperative Ext - Human Ecology	1	\$2,490,054	\$2,490,054	1	\$2,489,822
Total Cooperative Extension	53	\$7,315,066	\$9,392,298	35	\$7,272,793
OFFICE OF THE PRESIDENT					
Auditorium Performances	0	\$0	\$0	0	\$0
Beach Art Museum	2	\$18,872	\$18,872	1	\$8,872
Office of the President	1	\$5,000,000	\$5,000,000	1	\$5,000,000
Total Office of the President	3	\$5,018,872	\$5,018,872	2	\$5,008,872
OFFICE OF THE PROVOST					
Assessment and Program Review	0	\$0	\$0	0	\$0
Center for Engagement and Community Development	1	\$100,881	\$249,934	2	\$264,757
Dean of Continuing Education	0	\$0	\$0	1	\$9,987,444
Dean of Graduate School	0	\$0	\$0 ¢50.570	3	\$320,741
Information Security & Compliance International Programs	1 0	\$59,578 \$0	\$59,578 \$0	1 0	\$139,969 \$0
Kansas Center for Rural Initiatives	0	\$0 \$0	\$0 \$0	0	\$0 \$0
Library	1	\$1,200	\$1,200	0	\$0
Office of Diversity and Dual Career Development	0	\$0	\$0	0	\$0
Office of the Provost	3	\$134,671	\$302,954	4	\$341,067
Regent's Educational Communications Center	0	\$0	\$0	0	\$0
School of Leadership Studies	4	\$59,260	\$111,260	5	\$61,048
Office of Vice President for Communications and Marketing	g 0	\$0	\$0	0	\$0
Total Office of the Provost	10	\$355,590	\$724,926	16	\$11,115,026
OFFICE OF THE VICE PRESIDENT FOR ACADEMIC					
SERVICES AND TECHNOLOGY					
Inforrmation Technology Assistance Center	0	\$0	\$0	1	\$3,850
Total Academic Services and Technology	0	\$0	\$0	1	\$3,850
OFFICE OF THE VICE PRESIDENT FOR ADMINISTRATION AND FINANCE					
Budget Office	0	\$0	\$0	0	\$0

	Proposals			Awards		
Department/College	Submitted	*Period	**Total	Received	***Total	
KSU Police Department	2	\$37,879	\$117,574	2	\$1,500	
Public Safety	0	\$0	\$0	0	\$0	
Vice President for Administration and Finance	0	\$0	\$0	0	\$0	
Total Administration and Finance	2	\$37,879	\$117,574	2	\$1,500	
OFFICE OF THE VICE PRESIDENT FOR RESEARCH						
Biosecurity Research Institute	5	\$834,964	\$3,647,384	3	\$5,033,555	
Comparitive Medicine	0	\$0	\$0	0	\$0	
K-State Olathe Innovation Campus	2	\$347,610	\$1,064,749	0	\$0	
National Agricultural Biosecurity Center	4	\$566,653	\$2,385,024	2	\$148,134	
Office of the Vice President for Research	0	\$0	\$0	3	\$237,058	
Vice President Biotech Laboratory	0	\$0	\$0	0	\$0	
Vice President Electronics Design Laboratory	1	\$175,834	\$325,997	5	\$616,545	
Total Vice President for Research	12	\$1,925,061	\$7,423,154	13	\$6,035,292	
OFFICE OF THE VICE PRESIDENT FOR STUDENT LIFE AND DEAN OF STUDENTS						
Department of Housing	0	\$0	\$0	1	\$1,000	
Educational and Personal Development	1	\$9,890	\$9,890	7	\$986,068	
KSU Child Development Center, Inc.	1	\$3,000	\$3,000	3	\$137,806	
New Student Services	0	\$0	\$0	2	\$49,940	
Office of Vice President for Student Life	0	\$0	\$0	2	\$61,000	
University Counseling Services	0	\$0	\$0	1	\$34,000	
Total Student Life and Dean of Students	2	\$12,890	\$12,890	16	\$1,269,814	
University Totals	1,515	\$152,965,969	\$466,817,560	954	\$140,523,033	

#### PROPOSALS

\*Period = Initial budget period amount requested

\*\*Total = Total funds requested for entire project period

#### AWARDS

\*\*\*Total = Awards reflect the sum total of all awards actually received during the specific reporting period.

NOTE: Previous year awards received (i.e. in the case of incrementally funded awards) are not included if received in a previous award/reporting period. Only those award amounts received through specific award transactions processed during a given reporting period are included. (All totals are cumulative throughout the fiscal year.)

#### KANSAS STATE UNIVERSITY SUMMARY OF EXTRAMURAL SUPPORT

#### FY2014

	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>
AGRICULTURE					
Dean of Agriculture & Director of AES	\$41,518	\$0	\$81,958	\$0	\$4,080,119
Agricultural Economics	\$2,408,959	\$2,179,162	\$3,275,769	پو \$1,879,073	\$2,701,748
Agronomy	\$6,779,713	\$4,911,685	\$6,135,014	\$6,317,145	\$9,047,246
Animal Sciences & Industry	\$1,327,458	\$2,425,820	\$1,463,992	\$3,264,082	\$4,160,941
Communications	\$76,436	\$2,423,820 \$0	\$49,639	\$3,204,082 \$28,948	\$572,825
	\$1,898,520	\$0 \$2,316,683	\$1,361,623	\$20,940 \$1,641,243	\$2,951,497
Entomology Food Science Institute	\$218,472				
Grain Science & Industry	\$210,472 \$1,582,167	\$117,689 \$1,276,246	\$117,175 \$2,165,610	\$860,581 \$10,118,056	\$351,396 \$4,881,064
Hort., Forestry & Recreation Resources		\$1,376,246 \$268,202			
	\$514,216	\$368,293	\$755,787 \$125.045	\$610,161 \$452,714	\$1,212,934
International Agriculture Programs	\$0 \$996 209	\$3,982 \$6,47,650	\$125,945	\$453,714	\$473,742
KS Ctr for Agri & the Env/KS Water Res. Res. Inst.	\$886,398	\$647,659 \$150,210	\$1,514,499	\$886,934	\$1,237,346
Office of Academic Programs	\$221,702	\$150,210	\$74,134	\$150,737	\$223,774
Plant Biotechnology Center	\$0	\$0	\$0	\$72,000	\$72,000
Plant Pathology	\$6,754,886	\$5,451,762	\$7,375,691	\$9,373,376	\$8,563,872
Agricultural Experiment Station	\$333,010	\$210,000	\$165,000	\$0	\$10,000
Northwest Research Extension Center	\$393,406	\$410,701	\$231,733	\$387,423	\$167,220
Agricultural Research Center-Hays	\$608,307	\$575,798	\$432,201	\$341,647	\$536,961
Southeast Agricultural Res. Ctr.	\$41,305	\$49,937	\$39,607	\$60,928	\$26,385
Southwest Research Extension Ctr.	\$436,221	\$398,106	\$453,934	\$232,481	\$231,245
Extension Director	\$424,058	\$798,100	\$3,376,842	\$385,035	\$283,589
Extension Agricultural Economics	\$0	\$45,696	\$0	\$0	\$0
Extension Agronomy	\$15,529	\$12,571	\$10,368	\$10,609	\$21,677
Extension Animal Sciences & Industry	\$0	\$0	\$0	\$0	\$0
Extension Biological & Agricultural Engineering	\$45,000	\$25,000	\$0	\$0	\$0
Extension Communications	\$0	\$0	\$0	\$0	\$0
Extension Community Health Institute	\$0	\$0	\$0	\$0	\$0
Extension Entomology	\$0	\$0	\$0	\$0	\$0
Extension Human Nutrition	\$0	\$0	\$0	\$0	\$0
Extension Four-H Youth Development	\$253,000	\$228,500	\$295,157	\$390,367	\$307,433
Extension Grain Science and Industry	\$0	\$0	\$0	\$0	\$0
Extension Hort., Forestry & Rec. Res.	\$0	\$0	\$0	\$0	\$0
Extension KS Ctr. for Agriculture & the Environ.	\$0	\$17,500	\$0	\$0	\$0
Extension Kansas Forest Service	\$5,914,897	\$493,890	\$6,522,887	\$420,967	\$3,442,665
Extension Kansas Water Resource Res. Inst.	\$0	\$0	\$0	\$0	\$0
Extension Northeast Area Office	\$10,620	\$12,446	\$17,137	\$10,235	\$56,784
Extension Northwest Area Office	\$18,822	\$40,613	\$91,685	\$9,360	\$1,575
Extension Plant Pathology	\$0	\$0	\$0	\$0	\$0
Extension Agriculture and Natural Resources	\$489,315	\$503,211	\$383,458	\$493,018	\$562,308
Extension South Central Area Office	\$0	\$0	\$0	\$0	\$0
Extension Southeast Area Office	\$3,933	\$37,776	\$12,532	\$32,699	\$42,263
Extension Southwest Area Office	\$45,169	\$21,710	\$7,638	\$23,662	\$64,677
College Totals	\$31,743,036	\$23,830,745	\$36,537,015	38,454,478	\$46,285,286
ARCHITECTURE, PLANNING AND DESIGN	<b>ф</b> о	<b>*</b> ^	<b>^</b>	<b>*</b> ~	<b>^</b>
Dean of Architecture, Planning & Design	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$25 000
Architecture	\$0 \$5 000	\$0 \$0	\$0 \$22,000	\$0 \$0	\$25,000
Interior Architecture and Product Design	\$5,000	\$0	\$33,982	\$0 \$0	\$0 \$74 574
Landscape Arch/Regional & Comm Plan	\$167,343	\$60,008	\$261,936	\$0	\$71,571
College Totals	\$172,343	\$60,008	\$295,918	\$0	\$96,571
ARTS AND SCIENCES	<b>.</b> .	<b>.</b>	<b>.</b> .	<b>.</b> .	<b>.</b>
Dean of Arts & Sciences	\$0	\$15,000	\$0	\$0	\$200,000

	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>
Biochemistry	\$3,018,734	\$1,457,390	\$1,383,653	\$1,446,113	\$2,463,717
Biology	\$8,171,385	\$8,471,140	\$10,262,919	\$7,793,383	\$8,162,164
Chemistry	\$3,340,693	\$3,784,835	\$1,673,244	\$2,491,458	\$2,243,577
Communication Studies, Theatre & Dance	\$59,374	\$0 \$0	\$0 \$0	\$0 \$0	\$0
Community Health Institute Economics	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
English	\$0 \$740	\$0 \$23,334	\$0 \$0	\$0 \$0	\$0 \$0
Geography	\$165,536	\$497,609	\$423,393	\$478,709	\$1,118,409
Geology	\$288,128	\$172,352	\$486,811	\$162,184	\$229,475
History	\$65,000	\$25,000	\$43,000	\$234,342	\$0
Kinesiology	\$317,481	\$198,395	\$268,607	\$179,012	\$178,084
Mathematics	\$1,183,781	\$387,717	\$539,233	\$418,469	\$861,187
Modern Languages	\$0 \$14.050	\$0 \$17.850	\$0 \$15.050	\$0 \$15.050	\$6,000 \$15,050
Music Philosophy	\$14,050 \$0	\$17,850 \$0	\$15,950 \$0	\$15,950 \$0	\$15,950 \$0
Physics	\$5,241,624	\$9,318,025	\$6,921,664	\$5,231,021	\$5,694,471
Political Science	\$314,246	\$0 \$0	\$87,469	\$171,028	\$4,000
Psychological Sciences	\$625,142	\$648,914	\$1,181,142	\$841,284	\$934,052
School of Journalism & Mass Communications	\$0	\$89,924	\$388,368	\$379,467	\$835,043
Sociology, Anthropology, & Social Work	\$760,237	\$333,359	\$87,277	\$227,879	\$488,048
Speech Communication, Theatre and Dance	\$0	\$0	\$0	\$0	\$0
Statistics Woman Studies	\$51,633	\$45,164 \$10,050	\$36,953	\$260,908	\$85,842
College Totals	\$0 \$23,617,786	\$10,050 \$25,496,059	\$0 \$23,799,683	\$0 \$20,331,206	\$0 \$23,520,019
	φ <u>2</u> 0,017,700	ψ20,400,000	φ20,700,000	φ20,001,200	φ20,020,010
BUSINESS ADMINISTRATION					
Dean of Business Administration	\$0	\$0	\$0	\$0	\$0
Accounting Marketing	\$0 \$15,463	\$0 \$3,250	\$0 \$0	\$41,416 \$0	\$0 \$10,000
Management	\$228,749	\$38,772	\$38,002	\$5,000	\$1,000
College Totals	\$244,212	\$42,022	\$38,002	\$46,416	\$11,000
EDUCATION					
Curriculum and Instruction	\$0	\$0	\$4,014	\$295,178	\$0
Dean of Education	\$6,403,595	\$3,690,061	\$5,678,838	\$4,568,448	\$4,913,616
Educational Leadership	\$110,947	\$65,885	\$66,106	\$87,771	\$19,500
Elementary Education	\$32,370	\$32,370	\$0	\$0	\$0
Secondary Education	\$30,984	\$0	\$0	\$0	\$0
Special Education, Counseling and Student Affairs	\$0 \$6,577,896	\$0 \$3,788,316	\$0 \$5,748,958	\$0 \$4,951,397	\$27,026
College Totals	ф0,577,090	<b>Ф</b> З,700,310	<b>\$</b> 0,740,900	\$4,951,597	\$4,960,142
ENGINEERING					
Dean of Engineering	\$323,884	\$20,106	\$3,862,252	\$7,045,581	\$200,378
Advanced Manufacturing Institute	\$2,141,383	\$2,550,702	\$1,390,487	\$2,787,818	\$1,372,000
Architectural Engg & Construction Sci Biological & Agricultural Engineering	\$0 \$2,923,787	\$0 \$1,422,306	\$60,722 \$1,746,929	\$0 \$1,526,681	\$37,730 \$794,204
Center for Hazardous Substance Research	\$1,222,000	\$290,245	\$595,543	\$288,727	\$2,274,343
Chemical Engineering	\$2,851,943	\$4,715,020	\$1,767,029	\$1,120,526	\$1,475,765
Civil Engineering	\$2,850,820	\$2,279,751	\$1,505,432	\$2,753,232	\$1,193,043
Computing & Information Sciences	\$3,328,123	\$2,252,037	\$2,902,450	\$3,782,564	\$2,908,196
Electrical & Computer Engineering	\$2,703,700	\$1,835,404	\$2,105,802	\$874,793	\$1,426,653
Engineering Experiment Station	\$67,079	\$54,409	\$173,276	\$0 ¢c11 700	\$0 \$101.040
Institute for Environmental Research	\$1,368,029 \$0	\$1,080,237 \$0	\$898,846 \$0	\$611,763 \$0	\$421,049 \$0
Extension Engineering Industrial & Manufacturing Sys Engg	\$0 \$431,774	\$0 \$863,656	\$0 \$787,941	\$0 \$1,330,252	\$0 \$903,179
Kansas Industrial Extension Service	\$431,774 \$1,283,777	\$1,359,975	\$672,125	\$1,004,228	\$903,179 \$849,510
Mechanical and Nuclear Engineering	\$1,866,639	\$3,376,890	\$3,549,961	\$2,029,180	\$2,245,934
National Gas Machinery Laboratory	\$96,110	\$125,667	\$58,216	\$201,149	\$37,730

Narth netitute for Land Mgmt & Training         50         50         50         50         50           College Totals         \$23,450,046         \$22,226,404         \$22,077,011         \$52,556,493         \$11,97,14           HUMAN ECCLOGY         Dean of Human Ecology         \$2,757,066         \$320,913         \$428,501         \$11,0,461         \$491,557           Appare1, Textiles & Interior Design         \$0         \$77,499         \$22,864         \$71,784,87         \$50           Human Nutrition         \$1,040,63         \$426,564         \$2,594,729         \$1,77,768         \$512,878           Rescology         \$2,68,778         \$14,799,700         \$14,769,700         \$14,769,700         \$14,769,700           Extension Funity Studies & Human Services         \$14,709,700         \$591,157,742         \$15,630,850         \$50<		<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>
College Totals         \$22,3499,046         \$22,228,404         \$22,077,011         \$25,366,493         \$16,139,714           HUMAN ECOLOGY Dean of Human Ecology Dean of Human Ecology Dean of Human Ecology Appred. Textles & Interior Design Strong of Appred. Textles & Interior Design Strong of Technology Strong of Technology Strong Strong	Nat'l Institute for Land Mgmt & Training	\$0	\$0	\$0	\$0	\$0
Dear of Human Ecology         52,2757,068         5320,913         5428,801         5110,461         5491,557           Human Nutrition         51,040,636         \$462,504         \$2,564,729         \$11,716,444         \$1,506,520           Apparel, Textiles & Interior Design         50         574,499         \$2,264,729         \$1,716,444         \$1,506,520           Extension Apparel, Textiles & Interior Design         50         50         \$50,850         \$56,724,106         \$7,757,735         \$2,489,822           Extension Apparel, Textiles & Interior Design         50         \$50		\$23,459,046	\$22,226,404	\$22,077,011	\$25,356,493	\$16,139,714
Apparel, Textiles & Indiano Design         \$0         \$74,499         \$228,854         \$713,847         \$0           Hegoptality Mgmt & Diotecics         \$1,00,036         \$42,670         \$2,664,729         \$1,71,644         \$1,506,520           Hespitality Mgmt & Diotecics         \$15,204         \$2,282,400         \$145,617         \$15,630,852         \$65,624,106         \$7,537,520           Extension Apparel, Textiles & Interior Design         \$0						
Human Nutrition         S1,040,636         S462,504         S2,664,729         S1,716,444         S1,506,500           School of Family Studies & Human Services         \$0         \$0         \$0         \$100,454         \$124,866           School of Family Studies & Interior Design         \$0         \$0         \$11,566,502         \$6,524,106         \$7,537,520           Extension Apparel, Textiles & Interior Design         \$0	Dean of Human Ecology	\$2,757,068	\$320,913	\$428,501	\$110,461	\$491,557
Hospitality Mgm & Dietetics \$15,204 \$2,222,480 \$145,168 \$500,000 \$827,642 Kinesiology \$0 \$0 \$10,0454 \$124,266 School of Family Studies & Human Services \$14,709,030 \$11,156,617 \$15,630,825 \$6,524,106 \$7,537,520 Extension Aparally & Consumer Sciences \$0 \$591,157 \$2,359,725 \$0 \$0 \$0 Extension Nutrition Program \$3,162,67 \$3,24,1668 \$0 \$0 \$0 \$0 Extension Nutrition Program \$0 \$50 \$0 \$0 \$0 Extension Nutrition Program \$0 \$50 \$0 \$0 \$0 Extension Nutrition Program \$0 \$50 \$0 \$0 \$0 Extension Nutrition Program \$0 \$0 \$0 \$0 \$0 \$0 \$12,276 \$0 College of Technology \$0 \$0 \$0 \$0 \$0 \$15,090 Salina Apple division \$45,590 \$20,288 \$4,500 \$0 \$0 \$0 Engineering Technology \$0 \$0 \$0 \$0 \$0 \$0 Engineering Technology \$0 \$0 \$0 \$0 \$0 \$0 Engineering Technology \$0,0 \$0 \$0 \$0 \$0 Engineering Technology \$14,2790 \$177,879 \$287,167 \$199,401 \$22,06,431 Anatomy & Physiology \$10,233,620 \$11,253,396 \$7,747,515 \$2,2997,689 Engineering Technology \$10,233,620 \$11,253,396 \$7,747,515 \$2,2997,689 President Yeterinary Medicine \$142,790 \$177,879 \$287,167 \$199,401 \$2,206,431 Anatomy & Physiology \$10,233,620 \$11,253,396 \$7,747,515 \$2,2997,689 Engineering Technology \$10,233,620 \$11,253,396 \$7,747,515 \$2,2997,689 President Medicine/Pathobiology \$10,233,620 \$11,253,396 \$22,460 \$5,000,000 S16,400,122,400 \$20 \$50,000,000 S16,400,122,400 \$20 \$50,000,000 S16,400,122,400 \$20 \$0 \$0 \$50,000,000 S16,400,000 \$0 \$53,000,000 S16,400,000 \$0 \$53,000 \$0 \$53,000,80 S0 \$0 \$0 \$0 \$0 \$50,000,		+ -	. ,	. ,		+ -
Kinesiology         S0         \$0         \$0         \$0         \$0         \$100.454         \$124.860           Extension Apparel, Textiles & Interior Design         \$0					. , ,	
School of Family Studies & Human Services         \$14,709,030         \$11,156,617         \$15,630,822         \$56,524,106         \$7,537,520         \$0         \$0           Extension Apparent Texities & Interior Design         \$0         \$50 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<>						
Extension Appriert, Textiline & Interior Design         \$0 <t< td=""><td>6,</td><td></td><td></td><td></td><td></td><td></td></t<>	6,					
Extension Family & Consumer Sciences         50         \$501,157         \$2,392,22         \$1,757,763         \$2,480,822           Extension Nutrition Program         \$3,162,679         \$3,421,868         \$0						
Extension Nutrition Program         50         50         50         50         50         50           Ext. Family Shudles & Human Services         50 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Ext. Family Studies & Human Services         50         50         50         50         50         50           College Totals         \$21,684,617         \$18,310,037         \$21,157,826         \$11,423,074         \$12,977,927           TECHNOLOGY AND AVIATION         Dean, College of Technology         \$0	Extension Human Nutrition	\$3,162,679	\$3,421,868		\$0	\$0
College Totals         \$21,684,617         \$18,310,037         \$221,157,826         \$11,423,074         \$12,977,927           TECHNOLOGY AND AVIATION Dean, College of Technology         \$0         \$15,900         \$16,900         \$16,900         \$16,900         \$16,900         \$16,900         \$16,900         \$16,900         \$16,900         \$16,900         \$16,900         \$16,900         \$16,900         \$16,900         \$20         \$0         \$0         \$500           Salina Arts, Science and Business         \$45,690         \$24,500         \$45,000         \$0         \$500         \$16,99,901         \$26,717,179         \$287,167         \$19,9401	5					+ -
TECHNOLOGY AND AVIATION           Dean, College of Technology         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$10.000         \$115.7093         \$20.389         \$0         \$0         \$0         \$0         \$0         \$50         \$0         \$0         \$0         \$10.000         \$157.993         \$20.288         \$14.066         \$0         \$14.08	-		÷ -	+ -		÷ -
Dean, College of Technology         \$0         \$0         \$0         \$0         \$0           Academic Services         \$0 </td <td></td> <td>\$21,684,617</td> <td>\$18,310,037</td> <td>\$21,157,826</td> <td>\$11,423,074</td> <td>\$12,977,927</td>		\$21,684,617	\$18,310,037	\$21,157,826	\$11,423,074	\$12,977,927
Academic Services         S0         S10         S10         S10         S10 </td <td>TECHNOLOGY AND AVIATION</td> <td></td> <td></td> <td></td> <td></td> <td></td>	TECHNOLOGY AND AVIATION					
College Advancement         S0         S0         S0         S0         S0         S1,600           Salina Applied Aviation Research Center         \$2,965,110         \$20,389         \$0         \$10,000         \$157,993           Salina Aris, Science and Business         \$45,680         \$20,288         \$14,066         \$0         \$0           Salina Aris, Science and Business         \$45,690         \$20,288         \$14,066         \$0         \$0           College Totals         \$30,000         \$44,177         \$18,566         \$22,276         \$159,993           Vetterinary Medicine         \$142,790         \$177,879         \$287,167         \$199,401         \$206,431           Anatomy & Physiology         \$3,494,658         \$3,661,475         \$3,090,238         \$7,747,515         \$2,2977,168           Diagnostic Laboratory         \$220,517         \$465,217         \$61,600         \$23,875         \$50,127           Veterinary Medical Teaching Hospital         \$19,000         \$23,800         \$22,405         \$2,000         \$2,000           College Totals         \$14,208         \$26,860         \$75,000         \$0         \$8,872           McCain Auditorium         \$347,358         \$43,026         \$10         \$23,007         \$1,987,1119						\$0
Salina Applied Aviation Research Center         \$2,965,110         \$20,389         \$0         \$10,000         \$157,993           Salina Arts, Science and Business         \$8,500         \$44,500         \$0         \$500,127         \$4650						+ -
Salina Aris, Science and Business         \$85,000         \$4,500         \$4,500         \$00         \$500           Salina Aviation         \$45,690         \$20,288         \$14,066         \$00 <td></td> <td>+ -</td> <td>+ -</td> <td>+ -</td> <td>+ -</td> <td>. ,</td>		+ -	+ -	+ -	+ -	. ,
Salina Aviation         \$45,690         \$20,288         \$14,066         \$0         \$0           Engineering Technology         \$0			+ - /	+ -		
Engineering Technology College Totals         \$0 \$3,019,300         \$0 \$45,177         \$0 \$18,566         \$0 \$22,276         \$0 \$159,993           VETERINARY MEDICINE Dean of Veterinary Medicine         \$142,790         \$177,879         \$287,167         \$199,401         \$206,431           Anatomy & Physiology         \$3,3494,658         \$3,661,475         \$3,090,238         \$7,747,515         \$2,297,688           Clinical Sciences         \$11,640,051         \$2,2019,718         \$1,219,405         \$243,145         \$55,0127           Veterinary Indignostic Laboratory         \$220,517         \$\$465,217         \$61,860         \$221,405         \$22,000         \$20,007           Veterinary Medical Teaching Hospital         \$19,000         \$223,800         \$22,405         \$2,000         \$2,000         \$2,000         \$2,000         \$2,000         \$2,000         \$2,000,000         \$20,051         \$2,100,000         \$20         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         <						
College Totals         \$3,019,300         \$45,177         \$18,566         \$22,276         \$159,993           VETERINARY MEDICINE           Dean of Veterinary Medicine         \$142,790         \$177,879         \$287,167         \$199,401         \$206,431           Anatomy & Physiology         \$3,394,658         \$3,661,475         \$3,090,238         \$7,747,515         \$2,997,688           Clinical Sciences         \$1,640,051         \$2,21,276         \$10,493,622         \$\$17,771,515         \$2,997,688           Diagnostic Medicine/Pathobiology         \$10,833,620         \$11,253,396         \$8,882,207         \$10,496,241         \$8,810,119           Veterinary Medical Teaching Hospital         \$19,000         \$22,405         \$21,000         \$2,000<						
Dean of Veterinary Medicine         \$142,790         \$177,879         \$287,167         \$199,401         \$206,431           Anatomy & Physiology         \$3,494,658         \$3,604,475         \$3,090,238         \$7,747,515         \$2,997,688           Diagnostic Medicine/Pathobiology         \$10,833,620         \$11,253,396         \$8,882,207         \$10,496,241         \$8,910,119           Veterinary Diagnostic Laboratory         \$220,517         \$465,217         \$61,860         \$221,875         \$50,127           Veterinary Medical Teaching Hospital         \$19,000         \$23,800         \$22,405         \$2,000						\$159,993
Dean of Veterinary Medicine         \$142,790         \$177,879         \$287,167         \$199,401         \$206,431           Anatomy & Physiology         \$3,494,658         \$3,604,475         \$3,090,238         \$7,747,515         \$2,997,688           Diagnostic Medicine/Pathobiology         \$10,833,620         \$11,253,396         \$8,882,207         \$10,496,241         \$8,910,119           Veterinary Diagnostic Laboratory         \$220,517         \$465,217         \$61,860         \$221,875         \$50,127           Veterinary Medical Teaching Hospital         \$10,900         \$23,800         \$22,405         \$2,000         \$2,000         \$2,000         \$2,000         \$2,000         \$12,936,027           McCain Auditorium         \$14,208         \$26,860         \$75,000         \$0         \$8,872           McCain Auditorium         \$347,358         \$430,286         \$0         \$0         \$5,000,000         \$0         \$5,000,000         \$50         \$5,000,000         \$50         \$5,000,000         \$50         \$5,000,000         \$50         \$5,000,000         \$50         \$5,000,000         \$50         \$5,000,000         \$50         \$5,000,000         \$50         \$5,000,000         \$50         \$5,000,000         \$50         \$5,000,000         \$50         \$5,000,000         \$50						
Anatomy & Physiology         \$3,494,658         \$3,661,475         \$3,090,238         \$7,747,515         \$2,997,688           Clinical Sciences         \$1,640,051         \$2,019,718         \$1,1219,405         \$1,146,922         \$771,662           Diagnostic Medicine/Pathobiology         \$10,833,620         \$11,253,396         \$8,882,207         \$10,486,241         \$8,910,119           Veterinary Diagnostic Laboratory         \$220,517         \$465,217         \$61,860         \$231,875         \$50,127           Veterinary Medical Teaching Hospital         \$19,000         \$22,405         \$2,000         \$22,005         \$2,000         \$22,000         \$22,000         \$22,000         \$22,000         \$21,938,027           College Totals         \$16,350,636         \$17,601,484         \$13,563,282         \$19,841,954         \$12,938,027           McCain Auditorium         \$14,208         \$26,860         \$75,000         \$0         \$5,000,000           Office of the President         \$2,100,000         \$0         \$1,500,000         \$0         \$5,000,872           Office of the Provost         \$0         \$3,186,621         \$53,051         \$1,527         \$341,067           Assessment & Program Review         \$0         \$0         \$33,078         \$14,421         \$0	-	\$142,790	\$177,879	\$287,167	\$199,401	\$206,431
Clinical Sciences         \$1,640,051         \$2,019,718         \$1,219,405         \$1,164,922         \$771,662           Diagnostic Medicine/Pathobiology         \$10,833,620         \$11,253,396         \$8,882,207         \$10,496,241         \$8,910,119           Veterinary Medical Teaching Hospital         \$19,000         \$23,800         \$22,405         \$20,000         \$20,000           College Totals         \$16,350,636         \$17,601,484         \$13,563,282         \$19,841,954         \$12,938,027           PRESIDENT           Beach Art Museum         \$14,208         \$26,860         \$75,000         \$0         \$8,872           McCain Auditorium         \$347,358         \$430,286         \$0         \$0         \$0           Office of the President         \$2,100,000         \$0         \$1,500,000         \$0         \$5,000,000           Totals         \$2,461,566         \$457,146         \$1,575,000         \$0         \$5,008,872           PROVOST           Office of the Proyast         \$0         \$3,186,621         \$53,051         \$1,527         \$341,067           Assessment & Program Review         \$0         \$0         \$39,078         \$14,421         \$0           Center for Engagement, Community Development <td< td=""><td>-</td><td></td><td></td><td></td><td></td><td></td></td<>	-					
Veterinary Diagnostic Laboratory         \$220,517         \$465,217         \$61,860         \$231,875         \$50,127           Veterinary Medical Teaching Hospital College Totals         \$19,000         \$23,800         \$22,405         \$2,000         \$2,000           PRESIDENT Beach Art Museum         \$14,208         \$26,860         \$75,000         \$0         \$8,872           McCain Auditorium         \$347,358         \$430,286         \$0         \$0         \$0         \$8,872           McCain Auditorium         \$2,100,000         \$0         \$1,500,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$5,000,000         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0						
Veterinary Medical Teaching Hospital         \$19,000         \$23,800         \$22,405         \$2,000         \$2,000           College Totals         \$16,350,636         \$17,601,484         \$13,563,282         \$19,841,954         \$12,938,027 <b>PRESIDENT</b> Beach Art Museum         \$14,208         \$26,860         \$75,000         \$0         \$0           Office of the President         \$247,158         \$440,286         \$0         \$0         \$0           Totals         \$2,100,000         \$0         \$1,500,000         \$0         \$5,000,000         \$0         \$5,000,000           Totals         \$2,461,566         \$457,146         \$1,575,000         \$0         \$5,000,872           PROVOST           Office of the Provost         \$0         \$3,186,621         \$53,051         \$1,527         \$341,067           Assessment & Program Review         \$0         \$0         \$39,078         \$14,421         \$0           Center for Engagement, Community Development         \$168,385         \$93,415         \$471,045         \$101,648         \$264,757           Dean of the Graduate School         \$58,152         \$183,048         \$295,157         \$579,565         \$320,741           Information Security & Compli			\$11,253,396			
College Totals         \$16,350,636         \$17,601,484         \$13,563,282         \$19,841,954         \$12,938,027           PRESIDENT Beach Art Museum         \$14,208         \$26,860         \$75,000         \$0         \$8,872           McCain Auditorium         \$347,358         \$430,286         \$0         \$0         \$0           Office of the President         \$2,100,000         \$0         \$1,500,000         \$0         \$5,000,000           Totals         \$2,461,566         \$457,146         \$1,575,000         \$0         \$5,000,000           PROVOST         Office of the Provost         \$0         \$3,186,621         \$53,051         \$1,527         \$341,067           Assessment & Program Review         \$0         \$3,186,621         \$53,051         \$1,527         \$341,067           Dean of Continuing Education         \$33,995         \$225,000         \$15,871,917         \$9,987,444           Dean of the Graduate School         \$58,152         \$13,048         \$295,157         \$579,665         \$320,741           Information Security & Compliance         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0						
PRESIDENT Beach Art Museum         \$14,208         \$26,860         \$75,000         \$0         \$8,872           McCain Auditorium         \$347,358         \$430,286         \$0         \$0         \$0           Office of the President         \$2,100,000         \$0         \$1,500,000         \$0         \$5,000,000           Totals         \$2,461,566         \$457,146         \$1,575,000         \$0         \$5,000,000           PROVOST         Office of the Provost         \$0         \$3,186,621         \$53,051         \$1,527         \$341,067           Assessment & Program Review         \$0         \$0         \$39,078         \$14,421         \$0           Center for Engagement, Community Development         \$168,385         \$93,415         \$471,045         \$101,648         \$264,757           Dean of the Graduate School         \$33,995         \$225,000         \$75,000         \$15,871,917         \$9,987,444           Information Security & Compliance         \$0         \$0         \$0         \$0         \$0         \$13,969           International Programs         \$246,421         \$101,214         \$10,224         \$0         \$0         \$0           Library         \$46,479         \$14,589         \$750         \$0         \$0         \$0<						
Beach Art Museum         \$14,208         \$26,860         \$75,000         \$0         \$8,872           McCain Auditorium         \$347,358         \$430,286         \$0         \$0         \$0         \$0           Office of the President         \$2,100,000         \$0         \$1,500,000         \$0         \$5,000,000         \$0         \$5,000,000           Totals         \$2,461,566         \$457,146         \$1,575,000         \$0         \$5,008,872           PROVOST           Office of the Provost         \$0         \$3,186,621         \$53,051         \$1,527         \$341,067           Assessment & Program Review         \$0         \$3,186,621         \$53,051         \$1,527         \$341,067           Center for Engagement, Community Development         \$168,385         \$93,415         \$471,045         \$101,648         \$264,757           Dean of Continuing Education         \$33,995         \$225,000         \$75,000         \$15,871,917         \$9,987,444           Dean of the Graduate School         \$58,152         \$183,048         \$295,157         \$579,565         \$320,741           Information Security & Compliance         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0 </td <td></td> <td>\$16,350,636</td> <td>\$17,601,484</td> <td>\$13,563,282</td> <td>\$19,841,954</td> <td>\$12,938,027</td>		\$16,350,636	\$17,601,484	\$13,563,282	\$19,841,954	\$12,938,027
McCain Auditorium         \$347,358         \$430,286         \$0         \$0         \$0           Office of the President         \$2,100,000         \$0         \$1,500,000         \$0         \$5,000,000           Totals         \$2,461,566         \$457,146         \$1,575,000         \$0         \$5,000,000           PROVOST           Office of the Provost         \$0         \$3,186,621         \$53,051         \$1,527         \$341,067           Assessment & Program Review         \$0         \$0         \$39,078         \$14,421         \$0           Center for Engagement, Community Development         \$168,385         \$93,415         \$471,045         \$101,648         \$264,757           Dean of the Graduate School         \$58,152         \$183,048         \$295,157         \$579,565         \$320,7141           Information Security & Compliance         \$0         \$0         \$0         \$0         \$0         \$139,969           International Programs         \$246,421         \$101,214         \$10,224         \$0         \$0           Kansas Center for Rural Initiatives         \$0         \$0         \$0         \$0         \$0         \$0         \$139,969           International Programs         \$246,479         \$14,589         \$750	PRESIDENT					
Office of the President Totals         \$2,100,000 \$2,461,566         \$0 \$457,146         \$1,500,000 \$1,575,000         \$0 \$0         \$5,000,000 \$5,008,872           PROVOST         Office of the Provost Assessment & Program Review         \$0 \$0         \$3,186,621 \$50         \$53,051 \$1,527         \$1,527 \$341,067           Dean of Continuing Education Dean of the Graduate School         \$168,385         \$93,415         \$471,045         \$101,648         \$264,757           Dean of the Graduate School         \$33,995         \$225,000         \$75,000         \$15,871,917         \$9,987,444           Information Security & Compliance         \$0         \$0         \$0         \$10         \$13,969           International Programs         \$246,421         \$101,214         \$10,224         \$0         \$0           Kansas Center for Rural Initiatives         \$0         \$0         \$0         \$0         \$0         \$0           Uritary         \$46,479         \$14,589         \$750         \$0         \$0         \$0         \$0         \$0           Planning and Analysis         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0           School of Leadership Studies         \$247,954         \$149,637         \$180,314         \$94,847						
Totals         \$2,461,566         \$457,146         \$1,575,000         \$0         \$5,008,872           PROVOST         Office of the Provost         \$0         \$3,186,621         \$53,051         \$1,527         \$341,067           Assessment & Program Review         \$0         \$0         \$39,078         \$14,421         \$0           Center for Engagement, Community Development         \$168,385         \$93,415         \$471,045         \$101,648         \$264,757           Dean of Continuing Education         \$33,995         \$225,000         \$75,000         \$15,871,917         \$9,987,444           Dean of the Graduate School         \$58,152         \$183,048         \$295,157         \$579,565         \$320,741           Information Security & Compliance         \$0         \$0         \$0         \$0         \$0         \$0         \$0           International Programs         \$246,421         \$101,214         \$10,224         \$0						
PROVOST         \$0         \$3,186,621         \$53,051         \$1,527         \$341,067           Assessment & Program Review         \$0         \$0         \$39,078         \$14,421         \$0           Center for Engagement, Community Development         \$168,385         \$93,415         \$471,045         \$101,648         \$264,757           Dean of Continuing Education         \$33,995         \$225,000         \$75,000         \$15,871,917         \$9,987,444           Dean of the Graduate School         \$58,152         \$183,048         \$295,157         \$579,565         \$320,741           Information Security & Compliance         \$0         \$0         \$0         \$0         \$0         \$139,969           International Programs         \$246,421         \$101,214         \$10,224         \$0         \$0           Kansas Center for Rural Initiatives         \$0         \$0         \$0         \$0         \$0         \$0           Library         \$46,479         \$14,589         \$750         \$0         \$0         \$0           Office of Diversity and Dual Career Dev.         \$31,714         \$34,022         \$35,002         \$0         \$0           Planning and Analysis         \$0         \$0         \$0         \$0         \$0         \$0						
Office of the Provost         \$0         \$3,186,621         \$53,051         \$1,527         \$341,067           Assessment & Program Review         \$0         \$0         \$39,078         \$14,421         \$0           Center for Engagement, Community Development         \$168,385         \$93,415         \$471,045         \$101,648         \$264,757           Dean of Continuing Education         \$33,995         \$225,000         \$75,000         \$15,871,917         \$9,987,444           Dean of the Graduate School         \$58,152         \$183,048         \$295,157         \$579,565         \$320,741           Information Security & Compliance         \$0         \$0         \$0         \$0         \$0         \$139,969           International Programs         \$246,421         \$101,214         \$10,224         \$0         \$0           Kansas Center for Rural Initiatives         \$0		\$2,401,500	φ <del>4</del> 57,140	φ1,575,000	ΦΟ	φ <b>5,000,</b> 072
Assessment & Program Review         \$0         \$0         \$39,078         \$14,421         \$0           Center for Engagement, Community Development         \$168,385         \$93,415         \$471,045         \$101,648         \$264,757           Dean of Continuing Education         \$33,995         \$225,000         \$75,000         \$15,871,917         \$9,987,444           Dean of the Graduate School         \$58,152         \$183,048         \$295,157         \$579,565         \$320,741           Information Security & Compliance         \$0         \$0         \$0         \$0         \$0         \$13,9,969           International Programs         \$246,421         \$101,214         \$10,224         \$0         \$0           Kansas Center for Rural Initiatives         \$0         \$0         \$0         \$0         \$0         \$0         \$0           Library         \$46,479         \$14,589         \$750         \$0 <td></td> <td></td> <td>•</td> <td>• • • •</td> <td></td> <td>•••••</td>			•	• • • •		•••••
Center for Engagement, Community Development         \$168,385         \$93,415         \$471,045         \$101,648         \$264,757           Dean of Continuing Education         \$33,995         \$225,000         \$75,000         \$15,871,917         \$9,987,444           Dean of the Graduate School         \$58,152         \$183,048         \$295,157         \$579,565         \$320,741           Information Security & Compliance         \$0         \$0         \$0         \$0         \$0         \$139,969           International Programs         \$246,421         \$101,214         \$10,224         \$0         \$0           Kansas Center for Rural Initiatives         \$0         \$0         \$0         \$0         \$0         \$0         \$0           Library         \$46,479         \$14,589         \$750         \$						
Dean of Continuing Education         \$33,995         \$225,000         \$75,000         \$15,871,917         \$9,987,444           Dean of the Graduate School         \$58,152         \$183,048         \$295,157         \$579,565         \$320,741           Information Security & Compliance         \$0         \$0         \$0         \$0         \$0         \$0         \$139,969           International Programs         \$246,421         \$101,214         \$10,224         \$0         \$0           Kansas Center for Rural Initiatives         \$0         \$0         \$0         \$0         \$0         \$0         \$0           Library         \$46,479         \$14,589         \$750         \$0         \$0         \$0         \$0         \$0           Office of Diversity and Dual Career Dev.         \$31,714         \$34,022         \$35,002         \$0         \$0         \$0           Planning and Analysis         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0           Regents Educational Communications Ctr.         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0         \$0 <td></td> <td>+ -</td> <td></td> <td>+ )</td> <td>· · ·</td> <td></td>		+ -		+ )	· · ·	
Dean of the Graduate School         \$58,152         \$183,048         \$295,157         \$579,565         \$320,741           Information Security & Compliance         \$0         \$0         \$0         \$0         \$0         \$0         \$139,969           International Programs         \$246,421         \$101,214         \$10,224         \$0         \$0           Kansas Center for Rural Initiatives         \$0         \$0         \$0         \$0         \$0         \$0         \$0           Library         \$46,479         \$14,589         \$750         \$0						' '
International Programs         \$246,421         \$101,214         \$10,224         \$0         \$0           Kansas Center for Rural Initiatives         \$0	Dean of the Graduate School	\$58,152	\$183,048	\$295,157	\$579,565	\$320,741
Kansas Center for Rural Initiatives         \$0						
Library         \$46,479         \$14,589         \$750         \$0         \$0           Office of Diversity and Dual Career Dev.         \$31,714         \$34,022         \$35,002         \$0         \$0           Planning and Analysis         \$0         \$0         \$0         \$0         \$0         \$0           Regents Educational Communications Ctr.         \$0         \$0         \$0         \$0         \$0           School of Leadership Studies         \$247,954         \$149,637         \$180,314         \$94,847         \$61,048						
Office of Diversity and Dual Career Dev.         \$31,714         \$34,022         \$35,002         \$0         \$0           Planning and Analysis         \$0						
Planning and Analysis         \$0 </td <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td>	5					
Regents Educational Communications Ctr.         \$0 <td>•</td> <td></td> <td></td> <td></td> <td></td> <td></td>	•					
School of Leadership Studies         \$247,954         \$149,637         \$180,314         \$94,847         \$61,048						
Vice President for Communications and Marketing\$0\$249,000\$0\$0\$0\$0\$0\$0\$0\$0\$0	School of Leadership Studies	\$247,954	\$149,637	\$180,314	\$94,847	\$61,048
	Vice President for Communications and Marketing	\$0	\$249,000	\$0	\$0	\$0

	<u>2010</u>	<u>2011</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>
Totals	\$833,100	\$4,236,546	\$1,159,621	\$16,663,925	\$11,115,026
V.P. ADMINISTRATION AND FINANCE					
Vice President for Administration and Finance	\$583,507	\$0	\$0	\$0	\$0
Budget Office	\$11,748,086	\$0	\$0	\$0	\$0
KSU Police Department	\$4,697	\$7,097	\$205,271	\$2,500	\$1,500
Public Safety	\$0	\$0	\$2,600,000	\$0	\$0
Physical Facilities	\$0	\$0	\$0	\$0	\$0
Totals	\$12,336,290	\$7,097	\$2,805,271	\$2,500	\$1,500
V.P. INSTITUTIONAL ADVANCEMENT					
Department of Housing	\$0	\$0	\$0	\$0	\$0
Educational & Personal Development	\$0	\$0	\$0	\$0	\$0
KSU Child Development Center	\$0	\$0	\$0	\$0	\$0
Office of Diversity & Dual Career Dev.	\$0	\$0	\$0	\$0	\$0
University Counseling Services	\$0	\$0	\$0	\$0	\$0
Vice President for Institutional Advancement	\$0	\$0	\$0	\$0	\$0
Totals	\$0	\$0	\$0	\$0	\$0
V. P. ACADEMIC SERVICES & TECHNOLOGY					
Vice President for Academic Serv. & Tech.	\$0	\$0	\$0	\$0	\$0
Dean of Continuing Education	\$0	\$0	\$0	\$0	\$0
Informaton Technology Assistance Center	\$0	\$0	\$0	\$0	\$3,850
Regents Educational Communications Ctr.	\$0	\$0	\$0	\$0	\$0
Regents Telenet	\$0	\$0	\$0	\$0	\$0
Totals	\$0	\$0	\$0	\$0	\$3,850
VICE PRESIDENT FOR RESEARCH					
Vice President for Research	\$67,189	\$0	\$5,081,000	\$5,180,466	\$237,058
Vice President for Res. & Dean Grad of Sch.	\$0	\$0	\$0	\$0	\$0
Biosecurity Research Institute	\$0	\$340,842	\$752,521	\$5,226,382	\$5,033,555
K-State Olathe Innovation Campus	\$0	\$0	\$0	\$500	\$0
National Agricultural Biosecurity Center	\$2,160,791	\$6,028,149	\$812,000	\$1,753,544	\$148,134
Biotechnology Laboratory	\$52,037	\$50,005	\$57,054	\$0	\$0
Electronics Design Lab	\$165,865	\$233,893	\$330,790	\$334,864	\$616,545
Totals	\$2,445,882	\$6,652,888	\$7,033,365	\$12,495,755	\$6,035,292
V.P. FOR STUDENT LIFE AND DEAN OF STUDEN	ITS				
Office of Vice President for Student Life	\$84,240	\$69,957	\$0	\$15,000	\$61,000
Department of Housing	\$0	\$0	\$0	\$0	\$1,000
Educational & Personal Development	\$2,542,353	\$1,635,762	\$1,288,752	\$1,118,279	\$986,068
KSU Child Development Center	\$86,165	\$129,420	\$310,126	\$586,442	\$137,806
New Student Services	\$0	\$0	\$0	\$0	\$49,940
Office of Diversity & Dual Career Dev.	\$0	\$0	\$0	\$0	\$0
University Counseling Services	\$37,400	\$37,000	\$37,000	\$34,333	\$34,000
Totals	\$2,750,158	\$1,872,139	\$1,635,878	\$1,754,054	\$1,269,814
UNIVERSITY TOTALS	\$147,695,867	\$124,626,067	\$137,445,396	\$151,343,529	\$140,523,033

# EXTRAMURAL AWARDS

Fiscal Year 2014 (July 1, 2013 – June 30, 2014)

# **COLLEGE OF AGRICULTURE**

# AGRICULTURAL ECONOMICS

Amanor-Boadu, Vincent R., Featherstone, Allen M., and Ross, Kara, US Agency for International Development, \$304,264, "Pulse Value Chain Initiative-Zambia (PVCIZ)."

**Amanor-Boadu, Vincent R., Ross, Kara, Shanoyan, Aleksan**, and **Zereyesus, Yacob**, US Department of Agriculture, \$705,566, "METSS Ghana Implementation (Sustaining Growth Through Effective Management and Collaboration)."

Bergtold, Jason S., Kulcsar, Laszlo (Sociology, Anthropology, and Social Work), and Peterson, Jeffrey M., National Science Foundation, "Farmers' Decisions to Grow Crops for Fuel."

**Bergtold, Jason S.,** and **Rezac, Mary E.** (Chemical Engineering), National Science Foundation, "REU Site: Summer Academy in Sustainable BioEnergy."

**Bergtold, Jason S.,** US Department of Agriculture, \$20,000, "Analysis of Farmer Willingness to Produce Oilseeds for Biofuel in the Western US."

**Bergtold, Jason S.,** US Department of Agriculture, \$71,750, "Oilseed to Jet-Fuel Economics, Outreach, and Extension."

Dalton, Timothy J., Dhuyvetter, Kevin C., Garrett, Karen A. (Plant Pathology), Jumpponen, Ari M. (Biology), Lilja, Nina (International Agricultural Programs), Pagadala, P. V. Vara (Agronomy), Presley, DeAnn R. (Agronomy), Rice, Charles W. (Agronomy), and Staggenborg, Scott A. (Agronomy), US Agency for International Development, "Improving Soil Quality and Crop Productivity through Farmers' Tested and Recommended Conservation Agricultural Practices in Cropping Systems of West Africa."

**Dalton, Timothy J.,** US Agency for International Development, "The Management Entity of the Sorghum and Millet Innovation Lab."

Dhuyvetter, Kevin C., Dalton, Timothy J., Garrett, Karen A. (Plant Pathology), Jumpponen, Ari M. (Biology), Lilja, Nina (International Agricultural Programs), Pagadala, P. V.
Vara (Agronomy), Presley, DeAnn R. (Agronomy), Rice, Charles W. (Agronomy), and Staggenborg, Scott A. (Agronomy), US Agency for International Development, \$44,332, "Improving Soil Quality and Crop Productivity through Farmers' Tested and Recommended Conservation Agricultural Practices in Cropping Systems of West Africa."

**Featherstone, Allen M., Amanor-Boadu, Vincent R.**, and **Ross, Kara**, US Agency for International Development, "Pulse Value Chain Initiative-Zambia (PVCI-Z)."

Fox, John A., Bai, Jianfa (Diagnostic Medicine/Pathobiology), Ellis, Jason
D. (Communications), Kastner, Curtis L. (Food Science Institute), Kastner, Justin J. (Diagnostic Medicine/Pathobiology), Nagaraja, Tiruvoor G. (Diagnostic Medicine/Pathobiology), Narayanan,

Sanjeevkumar (Diagnostic Medicine/Pathobiology), Oberst, Richard D.(Diagnostic Medicine/Pathobiology), Phebus, Randall K. (Animal Sciences and Industry), Renter, David G. (Diagnostic Medicine/Pathobiology), Sanderson, Michael W.(Diagnostic Medicine/Pathobiology), Schroeder, Ted C., Thomson, Daniel U. (Clinical Sciences), Tonsor, Glynn, and Zurek, Ludek (Entomology), US Department of Agriculture, "Shiga-toxigenic Escherichia coli (STEC) in the Beef Chain: Assessing and Mitigating the Risk by Translational Science, Education and Outreach."

Golden, Bill B., Adee, Eric A. (Agronomy), Ciampitti, Ignacio (Agronomy), Cramer, Gary L. (Agronomy), Haag, Lucas A. (Northwest AreaOffice), Holman, Johnathon D. (Southwest Research Extension Center), Kisekka, Isaya (Southwest Research Extension Center), Kluitenberg, Gerard J. (Agronomy), Lamm, Freddie R. (Northwest Research Extension Center), O'Brien, Daniel M. (Northwest Area Office), Roozeboom, Kraig L. (Agronomy), and Schlegel, Alan J. (Southwest Research Extension Center), Kansas Grain Sorghum Commission, \$7,517, "Comparison of Yield, Water Use, and Profitability of Grain Sorghum and Drought-Tolerant Corn in Dryland and Limited Irrigation Systems in Central Kansas."

Golden, Bill B., Devlin, Daniel L. (Ks Ctr for Ag Rsrces & the Env / Ks Water Rsrce Rsrch Inst), Holman, Johnathon D. (Southwest Research Extension Center), Lamm, Freddie
R. (Northwest Research Extension Center), Pagadala, P. V. Vara (Agronomy), Schlegel, Alan
J. (Southwest Research Extension Center), Steward, David R. (Civil Engineering), and Swamy, Aavudai Anandhi (Agronomy), US Department of Agriculture, "Improving Water Productivity and New Water Management Technologies to Sustain Rural Economies - KSU."

Hadley, Gregg L., Buhler, Forrest A. (Agriculture and Natural Resources), and Henton, Charlene M. (Agriculture and Natural Resources), US Department of Agriculture, "Planning Successful Farm and Ranch Successions."

**Ibendahl, Gregory,** Cotton, Inc., \$4,000, "Estimating the Profitability and Risk of Cotton Production in the Plains."

**Ibendahl, Gregory,** and **Taylor, Mykel R.**, US Department of Agriculture,\$500,000, "Farm Business Management and Benchmarking: Kansas, Illinois, and KentuckyCollaborations."

**Leatherman, John C.,** Kansas Department of Health and Environment, \$137,373 (includes \$24,390 from Stockholder Leadership Team), "KS WRAPS - Cottonwood SFY 14 Yr 1."

**Leatherman, John C.,** Kansas Department of Health and Environment, \$148,146 (includes \$24,381 from BMP Projects), "Milford WRAPS Implementation SFY 14 Yr 1."

**Leatherman, John C., Bolton, Debra** (Southwest Area Office), and **Wiles, Bradford B.** (School of Family Studies and Human Services), US Department of Health and Human Services, \$59,773, "Behavioral Health Information Pilot Communities: Kansas State University and Finney County Community Health Coalition."

**Leatherman, John C.,** US Department of Health and Human Services, \$48,369, "Community Assessment and Education to Promote Behavioral Health Planning and Evaluation."

**Leatherman, John C.,** US Environmental Protection Agency, \$42,647 (includes \$10,247 from BMP Projects), "Hillsdale WRAPS Implementation FY 2014 - 2016."

**Leatherman, John C.,** US Environmental Protection Agency, \$185,507, "NPS Management Plan Technical Assistance."

**Leatherman, John C.,** US Environmental Protection Agency, \$109,919 (includes \$23,940 from BMP Projects), "Upper Neosho Implementation SFY 2014 - 2016."

**Peterson, Hikaru H., Kahl, Daniel W.** (Agriculture and Natural Resources), **Procter, David E.** (Center for Engagement and Community Development), and **Procter, Sandra B.** (Human Nutrition), US Department of Agriculture, \$124,879, "IncreasingHealthful Food Choice and Strengthening Rural Grocery Stores through Nutritional Education and Labeling."

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**Harmoney, Keith R.,** US Department of Energy, \$11,432, "CRP Management for Biomass Feedstock Production."

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**Ciampitti, Ignacio, Duncan, Stewart R.** (Northeast Area Office), **Haag, Lucas A.** (Northwest Area Office), **Peterson, Dallas E.**, and **Shoup, Douglas E.** (Southeast Area Office), Kansas Soybean Commission, \$4,020, "K-State Soybean Production Schools for Kansas."

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**Ciampitti, Ignacio,** and **Stamm, Michael J.**, US Department of Agriculture, "Bringing Risk Management to Kansas Winter Canola Producers."

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**Dille, Johanna A.,** Dupont (E.I.) De Nemours & Co., \$20,000, "Pollen-Mediated Gene Flow from Acetolactate Synthase-Inhibiting Herbicide-Resistant Sorghum to Johnsongrass."

**Dille, Johanna A.,** United Sorghum Checkoff Program, \$10,000, "ALS Resistance in Shattercane and Johnsongrass: Current Status and Future Predictions."

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**Fritz, Allan K., Poland, Jesse A.** (Plant Pathology), and **Van Der Merwe, Deon** (Diagnostic Medicine/Pathobiology), Kansas Wheat Alliance, \$7,571, "Winter Wheat Phenotyping Using a Multitemporal Vegetation Index Acquired from Small Unmanned Aircraft Systems Imagery."

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**Fritz, Allan K.,** and **Martin, Terry J.** (Agricultural Research Center-Hays), Kansas Wheat Commission, \$242,000, "Improvement of Hard Winter Wheat for Kansas."

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Johnson, Wendy, and McCornack, Brian P., Kansas Crop Improvement Association, "An Interactive Web-Application for Diagnosing Wheat Production Production."

**McCornack, Brian P.,** CRC Plant Biosecurity, \$184,202, "Design and Deployment of Smart-Traps for Evaluating Risk and Spread of Endemic Species as a Model for Sharper Responses to Incursions - PhD Scholarship Award."

**McCornack, Brian P.,** and **Johnson, Wendy**, Kansas Crop Improvement Association, \$10,000, "An Interactive Web-Application for Diagnosing Wheat Production Production."

**McCornack, Brian P.,** and **Zolnerowich, Gregory**, Kansas Department of Wildlife and Parks, \$5,000, "Native Pollinator, Wildflower, and Wildlife Habitat Quality Responses to Patch-burn Grazing on Rangelands throughout the Flint Hills Ecoregion - Shelly WiggamRichetts."

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**McCornack, Brian P.,** Kansas Grain Sorghum Commission, \$10,000, "Expansion andValidation of an Automated Trapping System for Monitoring Sorghum Headworm."

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**McCornack, Brian P.,** and **Reese, John C.**, North Central Soybean Research Program, \$58,143, "Soybean Aphid Management, Resistance and Outreach in the North Central Region."

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**Ruberson, John R.,** US Department of Agriculture, \$2,420, "Acquisition of Goods and Services #58-5430-3-008."

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G. (Diagnostic Medicine/Pathobiology), Narayanan, Sanjeevkumar (Diagnostic Medicine/Pathobiology), Oberst, Richard D. (Diagnostic Medicine/Pathobiology), Phebus, Randall K. (Animal Sciences and Industry), Renter, David G. (Diagnostic Medicine/Pathobiology), Schroeder, Ted C. (Agricultural Economics), Thomson, Daniel U. (Clinical Sciences), and Tonsor, Glynn (Agricultural Economics), US Department of Agriculture, \$29,740, "Shiga-toxigenic Escherichia coli (STEC) in the Beef Chain: Assessing and Mitigating the Risk by Translational Science, Education and Outreach."

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**Bhadriraju, Subramanyam, Higgins, Mary L.** (Human Nutrition), **Lilja,Nina** (International Agricultural Programs), **Maier, Dirk E.**, and **Washburn, Shannon G.**(Communications), US Agency for International Development, "Feed the Future Innovation Lab for the Reduction of Post-Harvest Loss."

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**Dogan, Hulya,** Kansas State University Foundation, \$35,000, "Grain Science & Industry Ross Professorship."

Donnelly, Brendan J., Multi-Sponsor, \$300, "Graduate Seminar Program."

**Faubion, Jon M.,** Kansas State University Foundation, \$50,000, "Charles D. Singleton Chair in Grain Science and Industry."

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**Maier, Dirk E.,** Kansas State University Foundation, \$50,000, "Grain Science &Industry Charles D. Singleton Chair."

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Richard (Diagnostic Medicine/Pathobiology), Jones, Cassandra K., Tokach, Michael D. (Animal Sciences and Industry), and Woodworth, Jason (Animal Sciences and Industry), National Pork Board, "Determining the Impact of Conditioning Time and Temperature in Pelleted Diets on PEDv Survivability in Complete Swine Diets."

Stark, Charles, DeRouchey, Joel M. (Animal Sciences and Industry), Jones, Cassandra K., Tokach, Michael D. (Animal Sciences and Industry), and Woodworth, Jason(Animal Sciences

and Industry), National Pork Board, "Evaluating the Use of Long-term Conditioning or Extrusion to Extract Nutrients from Lo-energy Feedstuffs."

Stark, Charles, Bai, Jianfa (Diagnostic Medicine/Pathobiology), Dritz, Steven S. (Diagnostic Medicine/Pathobiology), Hesse, Richard (Diagnostic Medicine/Pathobiology), Jones, Cassandra
K., and Tokach, Michael D. (Animal Sciences and Industry), National Pork Board, "Post-contamination Chemical Mitigation Strategies to Control PEDV in Feed and Feed Ingredients."

**Stark, Charles, DeRouchey, Joel M.** (Animal Sciences and Industry), **Goodband, Robert D.** (Animal Sciences and Industry), **Jones, Cassandra K.**, **Tokach, Michael D.** (Animal Sciences and Industry), and **Woodworth, Jason C.** (Animal Sciences and Industry), National Pork Board, "Should Producers Imvest im 2-high, or 4-high Roller Mills?."

**Stark, Charles, Campabadal Teran, Carlos, Jones, Cassandra K.**, and **Maier, Dirk E.**, US Department of Agriculture, "Cochran Program on Animal Production and Management."

Sun, X. Susan, Nguyen, Thu A. (Diagnostic Medicine/Pathobiology), and Weiss, Mark L. (Anatomy and Physiology), National Science Foundation, \$39,600, "Novel Peptide Hydrogel for 3D Cell Culture."

**Vadlani, Praveen V., Madl, Ronald L.**, and **Shi, Yong Cheng**, Kansas Bioscience Authority, "Sustainable and Technically Advanced Integrated Biobased and Bioenergy Products."

**Vadlani, Praveen V.,** Kansas State University Foundation, \$40,000, "Grain Science & Industry Lortscher Professorship."

**Vadlani, Praveen V.,** and **Pagadala, P. V. Vara** (Agronomy), US Agency for International Development, \$22,000, "Production of Advanced Biofuels From Salinity Tolerant Brown Midrib (bmr) Sorghum Genotypes."

**Vadlani, Praveen V.,** and **Hohn, Keith L.** (Chemical Engineering), US Department of Defense, \$108,000, "Novel Biomass Conversion Process for Production of Butylenes."

Zhu, Lijia, and Alavi, Sajid, PepsiCo, Inc., "Bio-based Nano Composites for Flexible Packaging."

HORTICULTURE, FORESTRY AND RECREATION RESOURCES Blocksome, Carolyn E., and Devlin, Daniel L. (Ks Ctr for Ag Rsrces & the Env / Ks Water Rsrce Rsrch Inst), US Environmental Protection Agency, "Kansas Flint Hills Smoke Management Plan."

**Boyer, Cheryl R., Cloyd, Raymond A.** (Entomology), **DeWolf, Erick D.** (Plant Pathology), **Kennelly, Megan** (Plant Pathology), **McCornack, Brian P.** (Entomology), **Miller, Frannie L.** (Entomology), **Peterson, Dallas E.** (Agronomy), and **Upham, Ward S.**, US Department of Agriculture, \$43,380, "Innovative Programming Resources for Kansas Stakeholders to Enhance IPM Decisions."

**Boyer, Cheryl R., Baker, Lauri M.** (Communications), and **Peterson, Hikaru H.** (Agricultural Economics), US Department of Agriculture, \$36,434, "Social Media Strategies for Rural Nurseries and Garden Centers."

**Bremer, Dale J.,** Kansas Turfgrass Foundation, \$3,000, "Nitrous Oxide Emission and Carbon Sequestration in Turfgrass: Effects of Irrigation and N Fertilization (Match for Proposal # 28575)."

**Bremer, Dale J.,** and **Fry, Jack D.**, US Golf Association, Inc., \$28,000 (includes \$3,000 from KS Turfgrass Foundation), "Nitrous Oxide Emissions and Carbon Sequestration in Turfgrass: Effects of Irrigationand N Fertilization."

**Fry, Jack D.,** National Turfgrass Evaluation Program, Inc., \$1,500, "Research Support Agreement (Grant-in-Aid) for the 2013 National Bermudagrass Test BG-13-04."

**Fry, Jack D.,** National Turfgrass Evaluation Program, Inc., \$1,500, "Research Support Agreement (Grant-in-Aid) for the 2013 National Zoysiagrass Test ZG-13-04."

**Fry, Jack D.,** National Turfgrass Evaluation Program, Inc., \$600, "Turfgrass Testing - Kentucky Bluegrass."

**Fry, Jack D.,** and **Kennelly, Megan** (Plant Pathology), US Golf Association, Inc., \$7,482, "Development of Fine-Textured, Large Patch-Resistant Zoysiagrass Cultivars with Enhanced Cold Hardiness for the Transition Zone."

**Fry, Jack D.,** and **Bremer, Dale J.**, US Golf Association, Inc., "Nitrous Oxide Emissions and Carbon Sequestration in Turfgrass: Effects of Irrigationand N Fertilization."

**Griffin, Jason,** Schmidt, J. Frank, Family Charitable Foundation, \$4,000, "Evaluation of Ornamental Species for the Great Plains."

Janke, Rhonda R., US Environmental Protection Agency, "From Garbage to Gourmet: Sustainable Waste Prevention and Mushroom Cultivation from Used Coffee Grounds."

Lavis, Catherine C., National Science Foundation, \$6,000, "CAT Dissemination."

**Miller, Chad T.,** and **Williams, Kimberly A.**, Gloeckner Foundation, Inc. (Fred C.), \$10,000, "Understanding and Preventing Intumescence Development on Ipomoea Batatas and Other Ornamental Crops."

**Park, Sunghun,** and **Chambers IV, Edgar** (Human Nutrition), US Department of Agriculture, \$11,320, "Development of Calcium-Enhanced Lettuce."

Park, Sunghun, Bockus, William W. (Plant Pathology), DeWolf, Erick D. (Plant Pathology), Stack, James P. (Plant Pathology), Trick, Harold N. (Plant Pathology), and Valent, Barbara S. (Plant Pathology), US Department of Agriculture, \$11,000, "Novel Strategies for Managing Blast Diseases on Rice and Wheat."

**Pliakoni, Eleni,** and **Rivard, Cary L.**, US Department of Agriculture, \$981,244, "Postharvest Physical Treatments to Reduce Losses of Organic and Other Locally-Grown Produce while Improving Quality and Extending Shelf Life."

Reid, William R., University of Missouri, \$9,617, "Missouri Pecan Growers."

**Rivard, Cary L., Garrett, Karen A.** (Plant Pathology), **Jumpponen, Ari M.** (Biology), and **Kennelly, Megan** (Plant Pathology), US Department of Agriculture, \$39,629, "Tomato Grafting: Developing Grower Recommendations for the Great Plains and Enhancing Our Understanding of the "Rhizobiome"."

**Rivard, Cary L., Kennelly, Megan** (Plant Pathology), **Pryor, Debra D.** (Communications), and **Taylor, Mykel R.** (Agricultural Economics), Wal-Mart Foundation, \$17,477, "Development and Adoption of Annual, Plasticulture Strawberry Production in the Great Plains."

**Upham, Ward S., Boyer, Cheryl R., Cloyd, Raymond A.** (Entomology), **DeWolf, Erick D.** (Plant Pathology), **Kennelly, Megan** (Plant Pathology), **McCornack, Brian P.**(Entomology), **Miller, Frannie L.** (Entomology), and **Peterson, Dallas E.** (Agronomy), US Department of Agriculture, "Innovative Programming Resources for Kansas Stakeholders to Enhance IPM Decisions."

**Williams, Kimberly A.,** Gloeckner Foundation, Inc. (Fred C.), \$750, "e-Gro University Certificate (Horticulture)."

**Williams, Kimberly A.,** and **Miller, Chad T.**, Gloeckner Foundation, Inc. (Fred C.), "Understanding and Preventing Intumescence Development on Ipomoea Batatas and Other Ornamental Crops."

## INTERNATIONAL AGRICULTURAL PROGRAMS

Lilja, Nina, Bhadriraju, Subramanyam (Grain Science and Industry), Higgins, Mary L. (Human Nutrition), Maier, Dirk E. (Grain Science and Industry), and Washburn, Shannon
G. (Communications), US Agency for International Development, \$473,742 (includes \$29,975 from Oklahoma State University, \$221,099 from University of Illinois-UC, and \$35,168 from University of Nebraska-Lincoln), "Feed the Future Innovation Lab for the Reduction of Post-Harvest Loss."

Lilja, Nina, Dalton, Timothy J. (Agricultural Economics), Dhuyvetter, Kevin C. (Agricultural Economics), Garrett, Karen A. (Plant Pathology), Jumpponen, Ari M.(Biology), Pagadala, P. V. Vara (Agronomy), Presley, DeAnn R. (Agronomy), Rice, Charles W. (Agronomy), and Staggenborg, Scott A. (Agronomy), US Agency for International Development, "Improving Soil Quality and Crop Productivity through Farmers' Tested and Recommended Conservation Agricultural Practices in Cropping Systems of West Africa."

# KS CTR FOR AG RSRCES & THE ENV / KS WATER RSRCE RSRCH INST

Devlin, Daniel L., City of Hays, KS, \$9,000, "Storm Water Educational Outreach Efforts."

**Devlin, Daniel L.,** Kansas Department of Agriculture, \$17,172, "Poultry Litter Nutrient Management Initiative."

**Devlin, Daniel L.,** Kansas Department of Health and Environment, \$104,178 (includes \$15,600 from Cooperators), "Big Creek, Middle Smoky River Watersheds WRAPS (Kanopolis Reservoir) Implementation - Years 4-6."

**Devlin, Daniel L.,** Kansas Department of Health and Environment, \$280,712 (includes \$36,960 from BMP's & Watershed Teams), "Kansas Watershed Specialists."

**Devlin, Daniel L.,** Kansas Department of Health and Environment, \$206,073 (includes \$33,800 from McPherson County), "KS WRAPS: Little Arkansas River Watershed - Implementation."

**Devlin, Daniel L., Barnes, Philip L.** (Biological and Agricultural Engineering), **Graber, Ronald W., Keane, Timothy D.** (Landscape Architecture/Regional and Community Planning), and **Sheshukov, Aleksey Y.** (Biological and Agricultural Engineering), US Department of Agriculture, "Ephemeral Gully Assessment and Adoption of Preventive Measures to Reduce Erosion in Cultivated Croplands."

Devlin, Daniel L., Golden, Bill B. (Agricultural Economics), Holman, Johnathon D. (Southwest Research Extension Center), Lamm, Freddie R. (Northwest Research Extension Center), Pagadala, P. V. Vara (Agronomy), Schlegel, Alan J. (Southwest Research Extension Center), Steward, David R. (Civil Engineering), and Swamy, Aavudai Anandhi (Agronomy), US Department of Agriculture, \$402,660, "Improving Water Productivity and New Water Management Technologies to Sustain Rural Economies - KSU."

Devlin, Daniel L., Middendorf, Gerad D. (Sociology, Anthropology, and Social Work), Presley, DeAnn R. (Agronomy), Rice, Charles W. (Agronomy), Ruiz Diaz Suarez, Dorivar
A. (Agronomy), Shoup, Douglas E. (Southeast Area Office), Shroyer, James
P. (Agronomy), Swamy, Aavudai Anandhi (Agronomy), Tomlinson, Peter J.(Agronomy), and Waggoner, Justin (Southwest Area Office), US Department of Agriculture, "Resillence and Vulnerability of Beef Cattle Production in the Southern Great Plains under Changing Climate, Land Use and Markets."

**Devlin, Daniel L., Aguilar, Jonathan P.** (Southwest Area Office), **Kisekka, Isaya** (Southwest Research Extension Center), and **Lin, Xiaomao** (Agronomy), US Department of the Interior, \$92,335, "Kansas Water Resources Research Institute."

**Devlin, Daniel L., Hutchinson, Stacy L.** (Biological and Agricultural Engineering), **Middendorf, Gerad D.** (Sociology, Anthropology, and Social Work), and **Mladenov, Natalie** (Civil Engineering), US Department of the Interior, "Water Research for the Fort Riley Net Zero Initiative."

**Devlin, Daniel L.,** and **Blocksome, Carolyn E.** (Horticulture, Forestry and Recreation Resources), US Environmental Protection Agency, \$10,000, "Kansas Flint Hills Smoke Management Plan."

**Devlin, Daniel L.,** US Environmental Protection Agency, \$61,040 (includes \$11,040 from Stakeholders), "KS WRAPS: Lower Smoky Hill River Watershed (Upper Portion) - Implementation."

**George, Herschel C.,** and **Tomlinson, Peter J.** (Agronomy), Kansas Department of Agriculture, "Effectiveness of Short-term Poultry Litter Storage Option for Protecting Kansas Water Quality."

**Graber, Ronald W., Barnes, Philip L.** (Biological and Agricultural Engineering), **Devlin, Daniel L., Keane, Timothy D.** (Landscape Architecture/Regional and Community Planning), and **Sheshukov, Aleksey Y.** (Biological and Agricultural Engineering), US Department of Agriculture, \$5,500, "Ephemeral Gully Assessment and Adoption of Preventive Measures to Reduce Erosion in Cultivated Croplands."

**Leatherman, John C.,** Kansas Department of Health and Environment, \$15,264 (includes \$2,710 from Stockholder Leadership Team), "KS WRAPS - Cottonwood SFY 14 Yr 1."

**Leatherman, John C.,** Kansas Department of Health and Environment, \$16,461 (includes \$2,709 from BMP Projects), "Milford WRAPS Implementation SFY 14 Yr 1."

**Leatherman, John C.,** US Environmental Protection Agency, \$4,739 (includes \$1,139 from BMP Projects), "Hillsdale WRAPS Implementation FY 2014 - 2016."

Leatherman, John C., US Environmental Protection Agency, "NPS Management Plan Technical Assistance."

**Leatherman, John C.,** US Environmental Protection Agency, \$12,213 (includes \$2,660 from BMP Projects), "Upper Neosho Implementation SFY 2014 - 2016."

## NORTHWEST RESEARCH EXTENSION CENTER

Aiken, Robert M., Little, Christopher R. (Plant Pathology), and Perumal, Ramasamy (Agricultural Research Center-Hays), Kansas Grain Sorghum Commission, "Development of Sorghum Germplasm with Enhanced Drought Tolerance and Higher Grain Yield."

Aiken, Robert M., Pagadala, P. V. Vara (Agronomy), Perumal, Ramasamy (Agricultural Research Center-Hays), Price, Kevin (Agronomy), Tesso, Tesfaye (Agronomy), and Van Der Merwe, Deon (Diagnostic Medicine/Pathobiology), Kansas Grain Sorghum Commission, \$3,600, "Remote Sensing Screening Tools for Sorghum Breeding Programs."

**Aiken, Robert M., Fritz, Allan K.** (Agronomy), and **Zhang, Guorong** (Agricultural Research Center-Hays), Kansas Wheat Alliance, \$7,479, "Screening Tools to Identify Drought Resistance in Promising Wheat Lines."

Aiken, Robert M., Monsanto Company, \$5,460, "Service Order #4."

Aiken, Robert M., Monsanto Company, \$10,164, "Service Order #9."

**Aiken, Robert M.,** and **Lamm, Freddie R.**, National Sunflower Association, "Timing of Irrigation for Tall and Short Stature Sunflower Hybrids to Help Improve Land Allocation Decisions."

Lamm, Freddie R., and O'Brien, Daniel M. (Northwest Area Office), Kansas Corn Commission, \$18,000, "Yield of Two Hybrid Maturities as Affected by Management Allowed Depletion Level."

Lamm, Freddie R., Adee, Eric A. (Agronomy), Ciampitti, Ignacio (Agronomy), Cramer, Gary
L. (Agronomy), Golden, Bill B. (Agricultural Economics), Haag, Lucas A. (Northwest Area
Office), Holman, Johnathon D. (Southwest Research Extension Center), Kisekka,
Isaya (Southwest Research Extension Center), Kluitenberg, Gerard J. (Agronomy), O'Brien,
Daniel M. (Northwest Area Office), Roozeboom, Kraig L. (Agronomy), and Schlegel, Alan
J. (Southwest Research Extension Center), Kansas Grain Sorghum Commission, \$7,517,
"Comparison of Yield, Water Use, and Profitability of Grain Sorghum and Drought-Tolerant Corn in Dryland and Limited Irrigation Systems in Central Kansas."

Lamm, Freddie R., and Aiken, Robert M., National Sunflower Association, \$20,000, "Timing of Irrigation for Tall and Short Stature Sunflower Hybrids to Help Improve Land Allocation Decisions."

Lamm, Freddie R., Syngenta Crop Protection, LLC, \$95,000, "Research and Materials Transfer Agreement."

Lamm, Freddie R., Devlin, Daniel L. (Ks Ctr for Ag Rsrces & the Env / Ks Water Rsrce Rsrch Inst), Golden, Bill B. (Agricultural Economics), Holman, Johnathon D.(Southwest Research Extension Center), Pagadala, P. V. Vara (Agronomy), Schlegel, Alan J. (Southwest Research Extension Center), Steward, David R. (Civil Engineering), and Swamy, Aavudai Anandhi (Agronomy), US Department of Agriculture, "Improving Water Productivity and New Water Management Technologies to Sustain Rural Economies - KSU."

#### **OFFICE OF ACADEMIC PROGRAMS**

Boggs, Donald L., Kansas FFA Foundation, \$82,919, "FFA Foundation Executive Director."

Kane, Mary R., US Department of Education, \$140,855, "FFA-YF/YFW Organization."

#### PLANT BIOTECHNOLOGY CENTER

Akhunova, Alina, Akhunov, Eduard D. (Plant Pathology), Friebe, Bernd (Plant Pathology), and Gill, Bikram S. (Plant Pathology), Kansas Wheat Commission, "Whole Exome Re-sequencing of Grass Species Valuable for Wheat Breeding in Kansas."

**DeWolf, Erick D.,** US Department of Agriculture, \$72,000, "A Predictive Model to Increase Adoption of IPM of a Mite-Virus Disease Complex in Wheat."

#### PLANT PATHOLOGY

**Akhunov, Eduard D.,** Bill and Melinda Gates Foundation, \$1,670,504, "Fine-scale Dissection of the Host-Pathogen Interaction Landscape using Genome-wide Association Scans of the Host and Pathogen Genomes."

Akhunov, Eduard D., Akhunova, Alina (Plant Biotechnology Center), Friebe, Bernd, and Gill, Bikram S., Kansas Wheat Commission, \$60,000, "Whole Exome Re-sequencing of Grass Species Valuable for Wheat Breeding in Kansas."

Akhunov, Eduard D., and Pagadala, P. V. Vara (Agronomy), US Department of Agriculture, \$241,178, "Improving Barley and Wheat Germplasm for Changing Environments."

**Bockus, William W.,** and **DeWolf, Erick D.**, Kansas Crop Improvement Association, "Evaluating Options for Barley Yellow Dwarf Virus Management on New Wheat Varieties."

**Bockus, William W.,** Kansas Wheat Commission, \$30,000, "Disease Phenotyping: Determining the Reaction of Wheat Lines to Important Disease."

Bockus, William W., Multi-Sponsor, \$32,500, "Seed Treatment."

**Bockus, William W.,** US Department of Agriculture, \$41,000, "Development of Scab Resistant Wheat Cultivars for Kansas."

**Bockus, William W., DeWolf, Erick D., Park, Sunghun** (Horticulture, Forestry and Recreation Resources), **Stack, James P., Trick, Harold N.**, and **Valent, Barbara S.**, US Department of Agriculture, "Novel Strategies for Managing Blast Diseases on Rice and Wheat."

**DeWolf, Erick D.,** and **Bockus, William W.**, Kansas Crop Improvement Association, \$10,000, "Evaluating Options for Barley Yellow Dwarf Virus Management on New Wheat Varieties."

**DeWolf, Erick D.,** Kansas Crop Improvement Association, \$12,000, "Kansas WheatDashboard: Information about Emerging Stripe Bust Epidemics and Other Threats to Wheat Production."

DeWolf, Erick D., Multi-Sponsor, \$1,000, "Winter Wheat Seed Treatment Tests."

**DeWolf, Erick D.,** US Department of Agriculture, \$45,197, "Development and Deployment of Prediction Models for Fusarium Head Blight."

**DeWolf, Erick D., Boyer, Cheryl R.** (Horticulture, Forestry and Recreation Resources), **Cloyd, Raymond A.** (Entomology), **Kennelly, Megan, McCornack, Brian P.**(Entomology), **Miller, Frannie L.** (Entomology), **Peterson, Dallas E.** (Agronomy), and **Upham, Ward S.** (Horticulture, Forestry and Recreation Resources), US Department of Agriculture, \$43,380, "Innovative Programming Resources for Kansas Stakeholders to Enhance IPM Decisions."

**DeWolf, Erick D., Bockus, William W., Park, Sunghun** (Horticulture, Forestry and Recreation Resources), **Stack, James P., Trick, Harold N.**, and **Valent, Barbara S.**, US Department of Agriculture, "Novel Strategies for Managing Blast Diseases on Rice and Wheat."

Fellers, John P., Fritz, Allan K. (Agronomy), Todd, Timothy C., and Trick, Harold N., Kansas Wheat Commission, "Transgenic Approaches for Trait Enhancement in Wheat."

**Friebe, Bernd,** and **Poland, Jesse A.** (Agronomy), General Mills, Inc., \$256,753, "Development of Wheat Varieties with High Beta Glucan."

Friebe, Bernd, Akhunov, Eduard D., Akhunova, Alina (Plant Biotechnology Center), and Gill, Bikram S., Kansas Wheat Commission, "Whole Exome Re-sequencing of Grass Species Valuable for Wheat Breeding in Kansas."

**Friebe, Bernd,** and **Gill, Bikram S.**, US Department of Agriculture, "Alien Chromosome Engineering and the Deployment of Novel Sources of Resistance to Fusarium Head Blight in Wheat."

**Friebe, Bernd,** and **Gill, Bikram S.**, US Department of Agriculture, \$19,546, "New Sources of Resistance to FHB and DON."

**Garrett, Karen A.,** Consultative Group on International Agricultural Research,\$216,144, "CGIAR Research Program: Roots, Tubers, and Bananas for Food Security and Income."

**Garrett, Karen A.,** Consultative Group on International Agricultural Research,\$179,004, "CGIAR Research Program: Roots, Tubers, and Bananas for Food Security and Income - Surveillance."

**Garrett, Karen A.,** International Crops Research Institute for the Semi-Arid Tropics, \$10,000, "Climate Change Analysis of Pigeonpea Diseases in Semi-Arid Tropics to Develop Appropriate Disease Management Strategy."

Garrett, Karen A., Dalton, Timothy J. (Agricultural Economics), Dhuyvetter, Kevin
C. (Agricultural Economics), Jumpponen, Ari M. (Biology), Lilja,Nina (International Agricultural Programs), Pagadala, P. V. Vara (Agronomy), Presley, DeAnn R. (Agronomy), Rice, Charles
W. (Agronomy), and Staggenborg, Scott A. (Agronomy), US Agency for International Development, \$22,166, "Improving Soil Quality and Crop Productivity through Farmers' Tested and Recommended Conservation Agricultural Practices in Cropping Systems of West Africa."

**Garrett, Karen A., Jumpponen, Ari M.** (Biology), **Kennelly, Megan**, and **Rivard, Cary L.** (Horticulture, Forestry and Recreation Resources), US Department of Agriculture, \$79,258, "Tomato Grafting: Developing Grower Recommendations for the Great Plains and Enhancing Our Understanding of the "Rhizobiome"."

Gill, Bikram S., Bayer CropScience, LP, \$50,000, "Partner Agreement for I/UCRC."

**Gill, Bikram S.,** Dow AgroSciences, LLC, \$50,143 (includes \$143 from Dow), "Partner Agreement for I/UCRC."

Gill, Bikram S., General Mills, Inc., \$50,000, "Partner Agreement for I/UCRC."

Gill, Bikram S., Heartland Plant Innovations, Inc., \$50,000, "Partner Agreement for I/UCR."

Gill, Bikram S., Kansas Department of Agriculture, \$50,000, "Partner Agreement for I/UCRC."

**Gill, Bikram S.,** Kansas State University Research Foundation, \$625,000, "A Trait Discovery Pipeline for Wheat Crop Production."

Gill, Bikram S., Kansas Wheat Alliance, \$50,000, "Partner Agreement for I/UCRC."

Gill, Bikram S., Kansas Wheat Commission, \$50,000, "Partner Agreement for I/UCRC."

**Gill, Bikram S.,** Kansas Wheat Commission, \$100,000, "Wheat Genetic & Genomic Resources Center and Its Contributions to the Kansas Wheat Industry."

**Gill, Bikram S., Akhunov, Eduard D., Akhunova, Alina** (Plant Biotechnology Center), and **Friebe, Bernd**, Kansas Wheat Commission, "Whole Exome Re-sequencing of Grass Species Valuable for Wheat Breeding in Kansas."

Gill, Bikram S., Limagrain Cereal Seeds, LLC, \$50,000, "Partner Agreement forI/UCRC."

**Gill, Bikram S.,** Monsanto Company, \$8,297, "Methodology for Efficient Mapping of Alien Introgression for Adult Plant Resistance to Leaf Rust and Other Agronomic Traits in Wheat-Aegilops Tauschii Hybrids - (Bahnu Kalia, Graduate Student)."

**Gill, Bikram S.,** and **Sehgal, Sunish K.**, National Science Foundation, \$402,500 (includes \$50,000 from DOW, \$50,000 from General Mills, \$50,000 from KS Wheat Alliance, \$50,000 from KS Wheat

Commission, \$50,000 from Limagrain, and \$50,000 from Syngenta), "I/UCRC: Collaborative Research: Wheat Genetics Resource Center: A Public-Private Consortium."

Gill, Bikram S., Syngenta Seeds, Inc., \$50,000, "Partner Agreement for I/UCRC."

**Gill, Bikram S.,** and **Friebe, Bernd**, US Department of Agriculture, \$63,230, "Alien Chromosome Engineering and the Deployment of Novel Sources of Resistance to Fusarium Head Blight in Wheat."

**Gill, Bikram S.,** and **Friebe, Bernd**, US Department of Agriculture, "New Sources of Resistance to FHB and DON."

Jardine, Douglas J., Ciampitti, Ignacio (Agronomy), Ruiz Diaz Suarez, Dorivar A. (Agronomy), Thompson, Curtis R. (Agronomy), and Whitworth, Robert "Jeff" J.(Entomology), Kansas Grain Sorghum Commission, \$800, "Diagnosing Sorghum Production Problems in Kansas."

Jardine, Douglas J., Multi-Sponsor, \$10,500, "Soybean Foliar Fungicide and Seed Treatment Tests."

**Jardine, Douglas J.,** US Department of Agriculture, \$12,500, "Integrated Management of Oomycete Diseases of Soybean and other Crop Plants."

**Kennelly, Megan,** Multi-Sponsor, \$23,000, "Evaluation and Testing of Fungicides and Nematicides on Horticultural Crops."

Kennelly, Megan, Boyer, Cheryl R. (Horticulture, Forestry and Recreation Resources), Cloyd, Raymond A. (Entomology), DeWolf, Erick D., McCornack, Brian P.(Entomology), Miller, Frannie L. (Entomology), Peterson, Dallas E. (Agronomy), and Upham, Ward S. (Horticulture, Forestry and Recreation Resources), US Department of Agriculture, "Innovative Programming Resources for Kansas Stakeholders to Enhance IPM Decisions."

**Kennelly, Megan, Garrett, Karen A., Jumpponen, Ari M.** (Biology), and **Rivard, Cary L.** (Horticulture, Forestry and Recreation Resources), US Department of Agriculture, "Tomato Grafting: Developing Grower Recommendations for the Great Plains and Enhancing Our Understanding of the "Rhizobiome"."

**Kennelly, Megan,** and **Fry, Jack D.** (Horticulture, Forestry and Recreation Resources), US Golf Association, Inc., \$7,482, "Development of Fine-Textured, Large Patch-Resistant Zoysiagrass Cultivars with Enhanced Cold Hardiness for the Transition Zone."

**Kennelly, Megan,** US Golf Association, Inc., \$7,500, "Evaluation of FertilizerApplication Strategies for Preventing or Recovering from Large Patch Disease of Zoysiagrass."

**Kennelly, Megan, Pryor, Debra D.** (Communications), **Rivard, Cary L.** (Horticulture, Forestry and Recreation Resources), and **Taylor, Mykel R.** (Agricultural Economics), Wal-Mart Foundation, \$17,477, "Development and Adoption of Annual, Plasticulture Strawberry Production in the Great Plains."

Leslie, John F., and Poland, Jesse A., Monsanto Company, \$53,074, "Monsanto Beachell-Borlaug International Scholars Program (Mr. Jared I. Crain's PhD Study)."

Leslie, John F., and Poland, Jesse A. (Agronomy), Monsanto Company, \$52,749, "Monsanto's Beachell-Borlaug International Scholars Program (Sandra Dunkel's PhD Study)."

**Leslie, John F.,** US Department of Agriculture, \$51,040, "Acquisition of Goods and Services #58-5430-3-007."

**Leslie, John F.,** US Department of Agriculture, \$29,040, "Acquisition of Goods and Services #58-5430-4-008."

**Leslie, John F.,** and **Toomajian, Christopher**, US Department of Agriculture, \$48,517, "Fungal Genes that Limit or Prevent the Growth of Gibberella Zeae."

Leslie, John F., US Department of Agriculture, \$109,803, "Genetics of Rust Pathogen Avirulence and Host Resistance in Hard Winter Wheat."

**Leslie, John F.,** US Department of Agriculture, \$79,999, "Improving Barley and Wheat Germplasm for Changing Environments."

Little, Christopher R., Aiken, Robert M. (Northwest Research ExtensionCenter), and Perumal, Ramasamy (Agricultural Research Center-Hays), Kansas Grain Sorghum Commission, "Development of Sorghum Germplasm with Enhanced Drought Tolerance and Higher Grain Yield."

Little, Christopher R., Perumal, Ramasamy (Agricultural Research Center-Hays), and Tesso, Tesfaye (Agronomy), Kansas Grain Sorghum Commission, \$27,850, "Screening Exotic Sorghum Germplasm to Identify New Sources of Stalk Rot Resistance."

**Little, Christopher R., Adee, Eric A.** (Agronomy), and **Presley, DeAnn R.** (Agronomy), Kansas Soybean Commission, \$28,974, "Irrigation Regimes and Soil Oxygen Content: Investigating Environmental Parameters Associated with SDS in Kansas."

**Little, Christopher R.,** North Central Soybean Research Program, \$103,656, "Identification and Biology of Seedling Pathogens of Soybean."

**Little, Christopher R.,** United Soybean Board, \$53,208, "Charcoal Rot: Most Resistance and Disease Development."

**Poland, Jesse A.,** Kansas Wheat Alliance, \$100,000, "Small Plot Research for Wheat Genetics at K-State."

**Poland, Jesse A., Fritz, Allan K.** (Agronomy), and **Van Der Merwe, Deon** (Diagnostic Medicine/Pathobiology), Kansas Wheat Alliance, \$15,142, "Winter Wheat Phenotyping Using a Multitemporal Vegetation Index Acquired from Small Unmanned Aircraft Systems Imagery."

**Poland, Jesse A.,** Kansas Wheat Commission, \$50,000, "Small Plot Research for Wheat Genetics at K-State."

**Poland, Jesse A.,** and **Leslie, John F.**, Monsanto Company, "Monsanto Beachell-Borlaug International Scholars Program (Mr. Jared I. Crain's PhD Study)."

**Rotenberg, Dorith,** Monsanto Company, \$12,660, "Service Agreement for the Wheat Seed Treatment Screening."

**Rotenberg, Dorith,** and **Whitfield, Anna E.**, US Department of Agriculture, \$161,078, "Advancing Innovative Technologies and Integrated Strategies for Sustainable Management of Thrips-transmitted Tospoviruses."

**Sehgal, Sunish K.,** and **Gill, Bikram S.**, National Science Foundation, "I/UCRC: Collaborative Research: Wheat Genetics Resource Center: A Public-Private Consortium."

Stack, James P., US Department of Agriculture, \$987,623, "Great Plains Diagnostic Network."

Stack, James P., Bockus, William W., DeWolf, Erick D., Park, Sunghun (Horticulture, Forestry and Recreation Resources), Trick, Harold N., and Valent, Barbara S., US Department of Agriculture, "Novel Strategies for Managing Blast Diseases on Rice and Wheat."

**Stack, James P.,** US Department of Agriculture, \$40,000, "Plant Diagnostic Information System, Michigan State University."

**Stack, James P.,** US Department of Agriculture, \$40,000, "Plant Diagnostics Information System, Cornell University."

Todd, Timothy C., Kusel, Kelly R. (Southeast Agricultural Research Center), Schapaugh Jr, William T. (Agronomy), and Trick, Harold N., Kansas Soybean Commission, "Breeding and Management of Soybean for Improved Performance."

Todd, Timothy C., Schapaugh Jr, William T. (Agronomy), and Trick, Harold N., Kansas Soybean Commission, "Enhancement of Soybean Through Genetic Engineering."

Todd, Timothy C., Fellers, John P., Fritz, Allan K. (Agronomy), and Trick, Harold N., Kansas Wheat Commission, "Transgenic Approaches for Trait Enhancement in Wheat."

Todd, Timothy C., Multi-Sponsor, \$34,000, "Nematode and Soybean Research."

**Todd, Timothy C.,** and **Trick, Harold N.**, North Central Soybean ResearchProgram, "Engineering Resistance to Soybean Cyst Nematodes via Induced Gene Silencing."

**Toomajian, Christopher,** National Science Foundation, \$42,380, "Arabidopsis 2010: Transcriptomes for Functional and Evolutionary Studies."

**Toomajian, Christopher,** and **Leslie, John F.**, US Department of Agriculture, "Fungal Genes that Limit or Prevent the Growth of Gibberella Zeae."

Trick, Harold N., Kusel, Kelly R. (Southeast Agricultural Research Center), Schapaugh Jr, William T. (Agronomy), and Todd, Timothy C., Kansas Soybean Commission, \$81,793, "Breeding and Management of Soybean for Improved Performance." Trick, Harold N., Schapaugh Jr, William T. (Agronomy), and Todd, Timothy C., Kansas Soybean Commission, \$75,914, "Enhancement of Soybean Through Genetic Engineering."

Trick, Harold N., Fellers, John P., Fritz, Allan K. (Agronomy), and Todd, Timothy C., Kansas Wheat Commission, \$64,663, "Transgenic Approaches for Trait Enhancement in Wheat."

**Trick, Harold N.,** and **Todd, Timothy C.**, North Central Soybean Research Program, \$168,671, "Engineering Resistance to Soybean Cyst Nematodes via Induced Gene Silencing."

**Trick, Harold N.,** US Department of Agriculture, \$26,485, "Exploring the Role of Ethylene Signaling in Fusarium Head Blight (FHB) Resistance and Susceptibility."

Trick, Harold N., Bockus, William W., DeWolf, Erick D., Park, Sunghun (Horticulture, Forestry and Recreation Resources), Stack, James P., and Valent, Barbara S., US Department of Agriculture, "Novel Strategies for Managing Blast Diseases on Rice and Wheat."

**Trick, Harold N.,** US Department of Agriculture, \$10,956, "Targeting Host Defense Mechanism for Enhancing FHB Resistance in Wheat."

Valent, Barbara S., Bockus, William W., DeWolf, Erick D., Park, Sunghun (Horticulture, Forestry and Recreation Resources), Stack, James P., and Trick, Harold N., US Department of Agriculture, \$1,089,000, "Novel Strategies for Managing Blast Diseases on Rice and Wheat."

**Valent, Barbara S.,** US Department of Agriculture, \$8,000, "Whole Genome Sequencing of Magnaporthe Oryzae Isolates and Gene Expession Analysis of Infected Wheat."

Whitfield, Anna E., Chuang, Wenpo (Entomology), Fritz, Allan K. (Agronomy), and Smith, C. Michael (Entomology), Kansas Wheat Alliance, \$8,000, "Indentification of Wheat Curl Mite and Virus-Resistant Wheat Germplasm."

Whitfield, Anna E., and Smith, C. Michael (Entomology), Kansas Wheat Commission, \$4,788, "Identification of Wheat Curl Mite and Virus-Resistant Wheat Germplasm."

Whitfield, Anna E., National Science Foundation, \$206,752, "CAREER: Molecular Mechanisms of Virus-Vector Interactions."

**Whitfield, Anna E.,** and **Rotenberg, Dorith**, US Department of Agriculture, "Advancing Innovative Technologies and Integrated Strategies for Sustainable Management of Thrips-transmitted Tospoviruses."

## SOUTHEAST AGRICULTURAL RESEARCH CENTER

**Kusel, Kelly R., Schapaugh Jr, William T.** (Agronomy), **Todd, Timothy C.** (Plant Pathology), and **Trick, Harold N.** (Plant Pathology), Kansas Soybean Commission, \$26,385, "Breeding and Management of Soybean for Improved Performance."

## SOUTHWEST AREA OFFICE

Zukoff, Sarah N., Syngenta Seeds, Inc., "Corn Root Worm Study."

#### SOUTHWEST RESEARCH EXTENSION CENTER

Currie, Randall S., Monsanto Company, \$6,300, "Service Order #10."

Currie, Randall S., Monsanto Company, \$14,280, "Service Order 57."

Currie, Randall S., Multi-Sponsor, \$9,500, "Weed Control Research in Southwest Kansas."

Holman, Johnathon D., Adee, Eric A. (Agronomy), Ciampitti, Ignacio (Agronomy), Cramer, Gary L. (Agronomy), Golden, Bill B. (Agricultural Economics), Haag, Lucas A. (Northwest Area Office), Kisekka, Isaya, Kluitenberg, Gerard J. (Agronomy), Lamm, Freddie R. (Northwest Research Extension Center), O'Brien, Daniel M. (Northwest Area Office), Roozeboom, Kraig L. (Agronomy), and Schlegel, Alan J., Kansas Grain Sorghum Commission, "Comparison of Yield, Water Use, and Profitability of Grain Sorghum and Drought-Tolerant Corn in Dryland and Limited Irrigation Systems in Central Kansas."

Holman, Johnathon D., Devlin, Daniel L. (Ks Ctr for Ag Rsrces & the Env / Ks Water Rsrce Rsrch Inst), Golden, Bill B. (Agricultural Economics), Lamm, Freddie R.(Northwest Research Extension Center), Pagadala, P. V. Vara (Agronomy), Schlegel, Alan J., Steward, David R. (Civil Engineering), and Swamy, Aavudai Anandhi(Agronomy), US Department of Agriculture, "Improving Water Productivity and New Water Management Technologies to Sustain Rural Economies - KSU."

Kisekka, Isaya, Adee, Eric A. (Agronomy), Ciampitti, Ignacio (Agronomy), Cramer, Gary
L. (Agronomy), Golden, Bill B. (Agricultural Economics), Haag, Lucas A. (Northwest Area
Office), Holman, Johnathon D., Kluitenberg, Gerard J. (Agronomy), Lamm, Freddie
R. (Northwest Research Extension Center), O'Brien, Daniel M. (Northwest Area
Office), Roozeboom, Kraig L. (Agronomy), and Schlegel, Alan J., Kansas Grain Sorghum
Commission, \$7,517, "Comparison of Yield, Water Use, and Profitability of Grain Sorghum and
Drought-Tolerant Corn in Dryland and Limited Irrigation Systems in Central Kansas."

**Kisekka, Isaya, Aguilar, Jonathan P.** (Southwest Area Office), **Devlin, Daniel L.** (Ks Ctr for Ag Rsrces & the Env / Ks Water Rsrce Rsrch Inst), and **Lin, Xiaomao**(Agronomy), US Department of the Interior, "Kansas Water Resources Research Institute."

Schlegel, Alan J., Adee, Eric A. (Agronomy), Dumler, Troy (Southwest Area Office), and Roozeboom, Kraig L. (Agronomy), Kansas Corn Commission, \$8,577, "Irrigation Management of Emerging Drought-Tolerant Corn Hybrids."

Schlegel, Alan J., Adee, Eric A. (Agronomy), Ciampitti, Ignacio(Agronomy), Cramer, Gary L. (Agronomy), Golden, Bill B. (Agricultural Economics), Haag, Lucas A. (Northwest Area Office), Holman, Johnathon D., Kisekka, Isaya, Kluitenberg, Gerard J. (Agronomy), Lamm, Freddie R. (Northwest Research Extension Center), O'Brien, Daniel M. (Northwest Area Office), and Roozeboom, Kraig L. (Agronomy), Kansas Grain Sorghum Commission, "Comparison of Yield, Water Use, and Profitability of Grain Sorghum and Drought-Tolerant Corn in Dryland and Limited Irrigation Systems in Central Kansas."

Schlegel, Alan J., Monsanto Company, \$17,680, "Service Order # 16."

Schlegel, Alan J., Monsanto Company, \$5,440, "Service Order 3."

Schlegel, Alan J., Multi-Sponsor, \$7,000, "Variety Testing of Alternative Crops."

Schlegel, Alan J., Syngenta Seeds, Inc., \$128,340, "Research Testing Project - Influence of Agrisure Artesian <sup>™</sup> Water-optimization Alleles on Hybrid Performance and Response to Plant Density and Water Regime."

Schlegel, Alan J., Devlin, Daniel L. (Ks Ctr for Ag Rsrces & the Env / Ks Water Rsrce Rsrch Inst), Golden, Bill B. (Agricultural Economics), Holman, Johnathon D., Lamm, Freddie
R. (Northwest Research Extension Center), Pagadala, P. V. Vara (Agronomy), Steward, David
R. (Civil Engineering), and Swamy, Aavudai Anandhi (Agronomy), US Department of Agriculture, "Improving Water Productivity and New Water Management Technologies to Sustain Rural Economies - KSU."

**Stamm, Michael J.,** and **Ciampitti, Ignacio** (Agronomy), US Department of Agriculture, \$8,412, "Bringing Risk Management to Kansas Winter Canola Producers."

Zukoff, Sarah N., Syngenta Seeds, Inc., \$18,200, "Corn Root Worm Study."

# **COLLEGE OF ARCHITECTURE, PLANNING AND DESIGN**

## ARCHITECTURE

**Gibson, Michael D.,** National Council of Architectural Registration Boards, \$25,000, "Designed for Performance: Research and Application of Innovative Building Skins."

## DEAN OF ARCHITECTURE, PLANNING AND DESIGN

**Canfield, Jessica,** and **Keane, Timothy D.** (Landscape Architecture/Regional and Community Planning), Landscape Architecture Foundation, "Landscape Performance Series Case Study Review and Analysis: Task-2: Quality Assessment."

#### LANDSCAPE ARCHITECTURE/REGIONAL AND COMMUNITY PLANNING Beamish, Anne E., Canfield, Jessica, and Gibson, Huston, City of Jetmore, KS, "Jetmore Project."

**Belanger, Blake M.,** and **Nawre, Alpa**, City of St. Joseph, MO, \$15,000, "St. Joseph Downtown Redevelopment."

Canfield, Jessica, Beamish, Anne E., and Gibson, Huston, City of Jetmore, KS, "Jetmore Project."

Canfield, Jessica, Domaine Regional de Chaumont-sur-Loire, \$15,000, "Green without Greed."

**Canfield, Jessica,** and **Keane, Timothy D.**, Landscape Architecture Foundation, \$7,500, "Landscape Performance Series Case Study Review and Analysis: Task-2: Quality Assessment."

Gibson, David, Park City, KS, \$3,608, "Park City Project."

**Gibson, Huston, Beamish, Anne E.**, and **Canfield, Jessica**, City of Jetmore, KS, \$1,434, "Jetmore Project."

**Gibson, Huston,** US Department of Transportation, \$5,000, "How do Inclusive Community Design Charettes Influence Voter Approval of Regional Transit Initiative? James P. Wood - Graduate Fellow."

**Keane, Timothy D.,** and **Canfield, Jessica**, Landscape Architecture Foundation, "Landscape Performance Series Case Study Review and Analysis: Task-2: Quality Assessment."

**Keane, Timothy D., Barnes, Philip L.** (Biological and Agricultural Engineering), **Devlin, Daniel L.** (Ks Ctr for Ag Rsrces & the Env / Ks Water Rsrce Rsrch Inst), **Graber, Ronald W.** (Ks Ctr for Ag Rsrces & the Env / Ks Water Rsrce Rsrch Inst), and **Sheshukov, Aleksey Y.** (Biological and Agricultural Engineering), USDepartment of Agriculture, \$10,500, "Ephemeral Gully Assessment and Adoption of Preventive Measures to Reduce Erosion in Cultivated Croplands."

Lawhon, Larry L., City of Atchison, KS, \$6,529, "Community Engagement Project, Atchison, KS."

Nawre, Alpa, and Belanger, Blake M., City of St. Joseph, MO, "St. Joseph Downtown Redevelopment."

**Nesse, Katherine,** Illinois Department of Human Services, \$7,000, "IDHS FY14 Illinois Early Childhood Asset Map (IECAM)."

# **COLLEGE OF ARTS AND SCIENCES**

# BIOCHEMISTRY

Arakane, Yasuyuki, Beeman, Richard W. (Entomology), Kramer, Karl J., and Muthukrishnan, Subbarat, National Science Foundation, "Collaborative Research: Functional Analysis of Proteins Involved in the Dynamic Assembly of Chitin/Chitosan Laminae in the Insect Exoskeleton."

**Chen, Jianhan,** National Science Foundation, \$144,207, "CAREER: Implicit Modeling of Nonpolar Solvation: Towards Reliable Atomistic Simulation of Intrinsically Disordered Proteins."

**Davis, Lawrence C., Erickson, Larry E.** (Center for Hazardous SubstanceResearch), **Hettiarachchi, Ganga M.** (Agronomy), and **Roozeboom, Kraig L.**(Agronomy), North Atlantic Treaty Organiztion (NATO), \$2,149, "Phytotechnology with Biomass Production for Cleaning Up Former Military Sites."

**Dittmer, Neal T.,** and **Kanost, Michael R.**, National Science Foundation,"Collaborative Research: Unique Structural Proteins and Cross-Linking Reactions that Control Physical Properties of Insect Exoskeletons."

**Durrett, Timothy P.,** US Agency for International Development, \$36,688, "Targeted Engineering of Brassica juncea Seed Biochemistry to produce Reduced-viscosity Plant Oils for direct use as Biofuel."

**Geisbrecht, Brian V.,** US Department of Health and Human Services, \$250,500, "Cheminformatic Discovery of Alternative Pathway C3 Pro-Convertase Inhibitors."

**Geisbrecht, Brian V.,** US Department of Health and Human Services, \$184,360, "The Multiple States of IpaB Shigella Type III Secretion."

**Geisbrecht, Erika R.,** US Department of Health and Human Services, \$313,219, "Mechanisms Underlying Muscle Development in Drosophila AR060788."

**Kanost, Michael R.,** and **Dittmer, Neal T.**, National Science Foundation, \$571,548, "Collaborative Research: Unique Structural Proteins and Cross-Linking Reactions that Control Physical Properties of Insect Exoskeletons."

**Kanost, Michael R.,** US Department of Health and Human Services, \$392,387, "Proteinase Systems in Insect Hemolymph."

**Kanost, Michael R., Culbertson, Christopher T.** (Chemistry), and **Michel, Kristin** (Biology), US Department of Health and Human Services, \$92,447, "The Function of Serpin-2 in Mosquito Immunity and Physiology."

Klebba, Phillip E., Kansas State University Foundation, \$86,770, "Cancer Center Research Core."

Kramer, Karl J., Arakane, Yasuyuki, Beeman, Richard W. (Entomology), and Muthukrishnan, Subbarat, National Science Foundation, "Collaborative Research: Functional Analysis of Proteins Involved in the Dynamic Assembly of Chitin/Chitosan Laminae in the Insect Exoskeleton."

Muthukrishnan, Subbarat, Arakane, Yasuyuki, Beeman, Richard W. (Entomology), and Kramer, Karl J., National Science Foundation, \$3,600, "Collaborative Research: Functional Analysis of Proteins Involved in the Dynamic Assembly of Chitin/Chitosan Laminae in the Insect Exoskeleton."

**Zolkiewska, Anna,** US Department of Health and Human Services, \$384,216, "ADAM12 in Breast Tumor Initiating Cells."

**Zolkiewska, Anna,** US Department of Health and Human Services, \$1,625, "K-INBRE DRPP Mentor to S. Lee: Anna Zolkiewska."

## BIOLOGY

**Blair, John M.,** National Science Foundation, \$203,646, "Collaborative Research: Rhizosphere Priming and C-N dynamics in Grassland Ecosystems in Transition."

**Blair, John M.,** National Science Foundation, \$980,000, "Konza Prairie LTER VI: Grassland Dynamics and Long-Term Trajectories of Change."

**Boyle, Alice,** Wilson Ornithological Society, \$1,000, "Paul A Stewart Grant for Emily Williams - Grasshopper Sparrows on the Move: What Drives Within-season Dispersal in Grasshopper Sparrows?."

**Briggs, John M.,** National Science Foundation, \$129,992, "NEON Domain 6 - Prairie Peninsula, Core Tower, Relocatable Tower and Core Aquatic Site."

**Brown, Susan J.,** Multi-Sponsor, \$50,000, "Industry Participation Agreement for the Midwest Center for Genomic Studies of Arthropods affecting Plant, Animal and Human Health."

**Brown, Susan J., Andresen, Daniel A.** (Computing and Information Sciences), **Caragea, Doina** (Computing and Information Sciences), **Gruenbacher, Don M.** (Electrical and Computer Engineering), **Hutchinson, J. M. Shawn** (Geography), **Schulz, Noel N.** (Electrical and Computer Engineering), **Scoglio, Caterina M.** (Electrical and Computer Engineering), and **Vasserman, Eugene** (Computing and Information Sciences), National Science Foundation, \$99,823, "CC-NIE Network Infrastructure: KGAP: Bridging the Gap on Network Flexibility and Performance for Genomics and Data-Intensive Research at Kansas State University."

**Brown, Susan J.,** US Department of Health and Human Services, \$240,000, "Bioinformatics Core - KINBRE."

**Brown, Susan J.,** US Department of Health and Human Services, \$47,788, "KSU Bioinformatics Core."

**Chapes, Stephen K.,** National Aeronautics and Space Administration, \$68,285, "Impact of Spaceflight on Primary and Secondary Antibody Responses."

**Chapes, Stephen K.,** US Department of Health and Human Services, \$9,100, "K-INBRE Star Trainee: Cao Thuy."

**Chapes, Stephen K.,** US Department of Health and Human Services, \$36,400, "K-INBRE Summer Scholars and Bioinformatics Scholar: Dismuke (LU); Fields (LU);Bradley, Cole, Hustak, Parker, Peel; Zliefert (BS)."

**Chapes, Stephen K.,** US Department of Health and Human Services, \$650, "K-INBRE Summer Scholars: M. Caywood, J. Parker, E. Peel, E. DeLoach, K. Pollard, J. Goering."

**Chapes, Stephen K.,** US Department of Health and Human Services, \$13,000, "K-INBRE Undergraduate Coordinator Office Campus Coordinator Award - S.K. Chapes."

**Chapes, Stephen K.,** US Department of Health and Human Services, \$67,500, "Undergraduate Coordinator Office - KINBRE."

**Clem, Rollie J.,** and **Passarelli, A. Lorena**, US Department of Health and Human Services, "Arbovirus Midgut Escape Mechanisms."

**Craine, Joseph M., Nippert, Jesse B.**, and **Ungerer, Mark**, National Science Foundation, \$1,190,752, "Dimensions NASA: Collaborative Research: The Biogeography and Evolution of Drought Tolerance in Grasses."

**Cully, Jr., Jack F.,** US Department of Agriculture, \$15,000, "Black-tailed Prairie Dog Monitoring on the Kiowa and Rita Blanca National Grasslands."

Daniels, Melinda, Caldas, Marcellus M. (Geography), Heier Stamm, Jessica L. (Industrial and Manufacturing Systems Engineering), and Sheshukov, Aleksey Y. (Biological and Agricultural

Engineering), National Science Foundation, \$232,000, "CNH: Coupled Climate, Cultivation, and Culture in the Great Plains: Understanding Water Supply and Water Quality in a Fragile Landscape."

**Dodds, Walter K.,** and **Gido, Keith B.**, National Science Foundation, \$292,385, "Collaborative Research: Stream Consumers and Lotic Ecosystem Rates (SCALER): Scaling from Centimeters to Continents."

**Dodds, Walter K.,** and **Daniels, Melinda** (Geography), National Science Foundation, "Doctoral Dissertation Research: The Impact of Historical Logging Activities on the Ecology and Geomorphology of Mountain Streams (Claire Ruffing)."

**Ferguson, Carolyn J.,** US Department of Defense, \$100,000, "2014-2015 EIDROP Collaborative with USD 475."

**Fleming, Sherry D.,** US Department of Health and Human Services, \$262,500, "Neoantigens and TLR4."

**Gido, Keith B.,** and **Dodds, Walter K.**, National Science Foundation, "Collaborative Research: Stream Consumers and Lotic Ecosystem Rates (SCALER): Scaling from Centimeters to Continents."

**Gido, Keith B.,** New Mexico Department of Game and Fish, \$170,076, "Effects of the Whitewaterbaldy Complex Fire on Warmwater Fishes in the Gila River Basin, New Mexico."

**Gido, Keith B.,** US Department of the Interior, \$84,218, "Mapping and Predicting Groundwater-Mediated Hydrologic Connectivity for Great Plains Prairie Rivers and Streams."

**Govind, Revathi,** US Department of Health and Human Services, \$90,000, "Role of TcdR, the Alternate Sigma Factor in Clostridium Difficile Virulence."

Haukos, David A., Kansas Department of Wildlife and Parks, \$40,000, "Establishment and Operation of the Kansas Cooperative Fish and Wildlife Research Unit."

Haukos, David A., and Olson, K C (Animal Sciences and Industry), National Fish and Wildlife Foundation, \$136,908, "Restoration of Tallgrass Prairie Infested with L.cuneata."

Haukos, David A., National Science Foundation, \$364,892, "Collaaborative Research: Climatic and Anthropogenic Forcing of Wetland Landscape Connectivity in the Great Plains."

Haukos, David A., US Department of Agriculture, \$184,600, "Outcome Based Evaluation of the NRCS Lesser Prairie-chicken Initiative."

**Haukos, David A.,** US Department of the Interior, \$37,247, "A Multi-Scale Examination of the Distribution and Habitat-Use Patterns of the Regal fritillary (Speyeria idalia) within the Fort Riley Military Reservation."

Haukos, David A., US Department of the Interior, \$94,340, "Lesser Prairie-Chicken Response to USDA Conservation Practices in Kansas and Colorado."

Haukos, David A., US Department of the Interior, \$75,472, "Occurrence and Prediction of Avian Disease Outbreaks in Kansas."

Haukos, David A., US Department of the Interior, \$11,000, "Parasitemia, Health, and Reproduction in a Migratory Waterfowl."

Haukos, David A., US Department of the Interior, \$60,415, "Risk Assessment of Exposure to Lead for Mottled Ducks on National Wildlife Refuges of the Texas Gulf Coast."

Haukos, David A., Wisconsin Waterfowl Hunters' Conference, \$1,000, "Andrew Stetter Scholarship Award."

**Herman, Michael A.,** US Department of Health and Human Services, \$1,625, "K-INBRE DRPP Mentor to M. Veeman: Michael Herman."

**Johnson, Loretta C.,** Sigma Xi Scientific Research Society, \$500, "Long-term Field Selection of Big Bluestem Ecotypes in Reciprocal Gardens Planted Across the Great Plains Precipitation Gradient: A Novel Test for the Strength of Local Adaptation (Matthew Galliart)."

Johnson, Loretta C., Washburn University, \$1,000, "Kansas Academy of Science (Galliart)."

Jumpponen, Ari M., Kansas Academy of Science, \$1,500, "Allison Veach Scholarship Award."

Jumpponen, Ari M., Dalton, Timothy J. (Agricultural Economics), Dhuyvetter, Kevin C. (Agricultural Economics), Garrett, Karen A. (Plant Pathology), Lilja, Nina(International Agricultural Programs), Pagadala, P. V. Vara (Agronomy), Presley, DeAnn R. (Agronomy), Rice, Charles W. (Agronomy), and Staggenborg, Scott A.(Agronomy), US Agency for International Development, \$22,166, "Improving Soil Quality and Crop Productivity through Farmers' Tested and Recommended Conservation Agricultural Practices in Cropping Systems of West Africa."

**Jumpponen, Ari M., Garrett, Karen A.** (Plant Pathology), **Kennelly, Megan** (Plant Pathology), and **Rivard, Cary L.** (Horticulture, Forestry and RecreationResources), US Department of Agriculture, \$39,629, "Tomato Grafting: Developing Grower Recommendations for the Great Plains and Enhancing Our Understanding of the "Rhizobiome"."

Lee, Stella Yu-Chien, US Department of Health and Human Services, \$97,500, "Alterations of Autophagy in CLN5 Deficient Neuronal Ceroid Lipofuscinosis."

Marriage, Tara, and Olson, Bradley J., US Department of Health and Human Services, "Investigating the Evolution of Multicellularity through Transcriptomics (Tara N. Marriage)."

**Mather, Martha E.,** Kansas Department of Wildlife and Parks, \$307,499, "Early Spawn and Natural Spawn Age-0 Largemouth Bass: Food Habits and Habitat Use Evaluation."

**Mather, Martha E.,** National Science Foundation, \$31,459, "The PIE-LTER: Interactions Between External Drivers, Humabs and Ecosystems in Shaping Ecological Process in a Mosaic of Coastal Landscape and Estuarine Seascapes."

**Michel, Kristin,** US Department of Health and Human Services, \$58,946, "Effects of Blood Meal on Cellular Immunity in Mosquitoes (William B. Bryant)."

Michel, Kristin, Culbertson, Christopher T. (Chemistry), and Kanost, Michael R. (Biochemistry), US Department of Health and Human Services, \$225,571, "The Function of Serpin-2 in Mosquito Immunity and Physiology."

**Michel, Kristin,** US Department of Health and Human Services, \$5,000, "Vector Biology Representation at the 2014 Arthropod Genomics Symposium."

**Nippert, Jesse B., Craine, Joseph M.**, and **Ungerer, Mark**, National Science Foundation, "Dimensions NASA: Collaborative Research: The Biogeography and Evolution of Drought Tolerance in Grasses."

**Olson, Bradley J.,** and **Marriage, Tara**, US Department of Health and Human Services, \$32,500, "Investigating the Evolution of Multicellularity through Transcriptomics (Tara N. Marriage)."

**Olson, Bradley J.,** US Department of Health and Human Services, \$79,088, "Multicellular Evolution by Reprograming Cell Cycle Regulation."

**Passarelli, A. Lorena,** and **Clem, Rollie J.**, US Department of Health and Human Services, \$658,536, "Arbovirus Midgut Escape Mechanisms."

**Sandercock, Brett K.,** US Department of the Interior, \$231,675, "Demographic Analysis and Life Cycle Modeling of Arctic-breeding Shorebirds."

Schrick, Kathrin, National Science Foundation, \$229,379, "The Impact of Sterol Biogenesis on Cellulose Synthesis in Higher Plants."

**Spooner, Brian S.,** Kansas State University Foundation, \$35,000, "Biology Research Career Development Core."

**Spooner, Brian S.,** Kansas State University Foundation, \$182,372, "Biology Summer Graduate Fellowships."

Spooner, Brian S., Kansas State University Foundation, \$28,000, "Cancer Center Core."

**Spooner, Brian S.,** Kansas State University Foundation, \$79,732, "Cancer Center Research Awards."

**Ungerer, Mark, Craine, Joseph M.**, and **Nippert, Jesse B.**, National Science Foundation, "Dimensions NASA: Collaborative Research: The Biogeography and Evolution of Drought Tolerance in Grasses."

**Vediyappan, Govindsamy,** American Heart Association, Inc., \$77,000, "Candida Albicans Hyphal Growth and Virulence Inhibition."

**Veeman, Michael,** US Department of Health and Human Services, \$97,500, "TGF-B Signaling in Ciona Notochord Morphogenesis."

**Yang, Zhilong,** US Department of Health and Human Services, \$248,999, "Host Innate Immune Response Induction and Shutoff During Poxvirus Infection."

# CHEMISTRY

**Aakeroy, Christer B.,** Israel Chemicals Ltd., \$59,036, "Modulating Physical Properties of Solid Forms of Urea-Using Co-Crystallization Technology."

Aakeroy, Christer B., Syngenta Crop Protection, LLC, \$16,886, "Research Agreement."

**Aakeroy, Christer B.,** US Department of Defense, \$145,000, "Theory and Experiment of Cocrystals: Principles, Synthesis and Properties."

**Bossmann, Stefan,** and **Troyer, Deryl L.** (Anatomy and Physiology), Kansas Board of Regents, \$60,000, "Detection of Early (Subclinical) Mastitis in Dairy Cows to Improve Milk Production."

**Bossmann, Stefan,** Kansas State University Foundation, \$100,000, "SimultaneousDetection of Cancer Related Proteases."

**Bossmann, Stefan,** and **Troyer, Deryl L.** (Anatomy and Physiology), Kansas State University Research Foundation, \$75,000, "Protease Assays."

**Bossmann, Stefan, Narayanan, Sanjeevkumar** (Diagnostic Medicine/Pathobiology), **Prakash, Punit** (Electrical and Computer Engineering), and **Troyer, Deryl L.** (Anatomy and Physiology), National Science Foundation, \$901,176, "MRI: Development of an Integrated Image-guided Thermal Therapy Platform."

**Culbertson, Christopher T., Kanost, Michael R.** (Biochemistry), and **Michel, Kristin** (Biology), US Department of Health and Human Services, \$51,770, "The Function of Serpin-2 in Mosquito Immunity and Physiology."

**Higgins, Daniel A.,** and **Ito, Takashi**, US Department of Energy, "SISGR:Molecular-Level Investigation of Diffusion Behaviors within Cylindrical Nanoscale Pores."

**Hua, Duy H.,** and **Chang, Kyeong-Ok** (Diagnostic Medicine/Pathobiology), US Department of Health and Human Services, \$6,098, "Development of Novel Therapeutic Agents for Norovirus Infection."

**Hua, Duy H.,** US Department of Health and Human Services, \$80,000, "Development of Tricyclic Pyrone Molecules for Treatment of Alzheimer's Disease."

**Hua, Duy H.,** US Department of Health and Human Services, \$25,000, "Synthesis and Quantification of TP70 and CP2 in Plasma and Tissues."

**Ito, Takashi,** and **Higgins, Daniel A.**, US Department of Energy, \$240,000, "SISGR: Molecular-Level Investigation of Diffusion Behaviors within Cylindrical Nanoscale Pores."

**Jankowiak, Ryszard J.,** US Department of Energy, \$160,000, "Resonant and Non-resonant Holeburning and Delta Fluorescence Line-narrowing Study of BCh1s in Excitonically Coupled Photosynthetic Systems."

**Li, Jun,** Kansas Board of Regents, \$25,000, "Nanostructured Solid-State Energy Storage Devices for Wide-Temperature Applications in Space Exploration."

Li, Jun, National Science Foundation, \$183,690, "Nanotechnology for RenewableEnergy."

Li, Jun, and Richt, Juergen (Diagnostic Medicine/Pathobiology), US Department of Homeland Security, "Portable Smart Platforms for Detection of Biological Pathogens and Chemicals."

**Li, Ping,** US Department of Health and Human Services, \$32,500, "Efforts in PhaC Crystallization for Cancer Drug Delivery Purpose (Wei Zhang)."

**Maatta, Eric A.,** Kansas State University Foundation, \$28,421, "Center for Basic Cancer Research: Fraternal Order of Eagles Fund."

Maatta, Eric A., Kansas State University Foundation, \$54,000, "Dane G. Hansen Excellence Fund."

## DEAN OF ARTS AND SCIENCES

**Montelone, Beth A., Grauer, Bette** (Dean of Engineering), **Mason, April** (Office of the Provost), **Thurston, Linda P.** (Dean of Education), and **Wiley, Zelia Z.** (Dean of Agriculture and Director of AES), National Science Foundation, \$200,000, "Pathways to STEM: Kansas Louis Stokes Alliance for Minority Participation."

## GEOGRAPHY

**Caldas, Marcellus M., Daniels, Melinda, Heier Stamm, Jessica L.**(Industrial and Manufacturing Systems Engineering), and **Sheshukov, Aleksey Y.**(Biological and Agricultural Engineering), National Science Foundation, "CNH: Coupled Climate, Cultivation, and Culture in the Great Plains: Understanding Water Supply and Water Quality in a Fragile Landscape."

**Daniels, Melinda, Caldas, Marcellus M., Heier Stamm, Jessica L.** (Industrial and Manufacturing Systems Engineering), and **Sheshukov, Aleksey Y.** (Biological and Agricultural Engineering), National Science Foundation, \$754,000, "CNH: Coupled Climate, Cultivation, and Culture in the Great Plains: Understanding Water Supply and Water Quality in a Fragile Landscape."

**Daniels, Melinda,** and **Dodds, Walter K.** (Biology), National Science Foundation, \$15,972, "Doctoral Dissertation Research: The Impact of Historical Logging Activities on the Ecology and Geomorphology of Mountain Streams (Claire Ruffing)."

Daniels, Melinda, US Environmental Protection Agency, \$17,000, "EPA STAR Fellowship (Mehl)."

Harrington Jr, John A., National Geographic Education Foundation, \$32,527, "Kansas 2013/2014 Alliance Grant."

Harrington Jr, John A., Hutchinson, Stacy L. (Biological and Agricultural Engineering), and Rice, Charles W. (Agronomy), National Science Foundation, "Understanding Climate Change in the Great Plains: Source, Impact, and Mitigation."

Hutchinson, J. M. Shawn, Andresen, Daniel A. (Computing and Information Sciences), Brown,
Susan J. (Biology), Caragea, Doina (Computing and Information Sciences), Gruenbacher, Don
M. (Electrical and Computer Engineering), Schulz, Noel N. (Electrical and Computer
Engineering), Scoglio, Caterina M. (Electrical and Computer Engineering), and Vasserman,
Eugene (Computing and Information Sciences), National Science Foundation, \$74,867, "CC-NIE
Network Infrastructure: KGAP: Bridging the Gap on Network Flexibility and Performance for
Genomics and Data-Intensive Research at Kansas State University."

Hutchinson, J. M. Shawn, US Department of Agriculture, \$20,000, "Landscape Connectivity Pest Spread Model."

**McLauchlan, Kendra K.,** National Science Foundation, \$95,870, "CAREER: Ecosystem Change in Forests and Grasslands from Decades to Millenia: A Retrospective Approach."

McLauchlan, Kendra K., National Science Foundation, \$99,173, "RCN: The Novus Project for Integrating Paleo- and Neo-ecosystem Ecology."

**McLauchlan, Kendra K.,** US Department of the Interior, \$5,000, "Dendrochronological Assessment of Whitebark Pine Response to Past Climate Change: Implications for a Threatened Species in Grand Teton National Park (Kyleen Kelly)."

**Peterson, Jeffrey M., Bergtold, Jason S.** (Agricultural Economics), and **Kulcsar, Laszlo** (Sociology, Anthropology, and Social Work), National Science Foundation, \$4,000, "Farmers' Decisions to Grow Crops for Fuel."

## GEOLOGY

Martin, Sabine E., Hettiarachchi, Ganga M. (Agronomy), and Leven, Blase A. (Center for Hazardous Substance Research), US Environmental Protection Agency, "Sustainable Local Gardening Redevelopment at Brownfields Sites."

## HISTORY

Breen, Louise A., Kansas State University Foundation, \$40,000, "George Kren Fund."

**Breen, Louise A.,** Kansas State University Foundation, \$25,000, "NEH Faculty Enhancement Award in Military History."

Lynn-Sherow, Bonnie, and Breen, Louise A., Kansas State University Foundation, \$135,938, "Chapman Center for Personnel."

**Stone, David R.,** Kansas State University Foundation, \$28,537, "Institute for Military History and 20th Century Studies."

## **KINESIOLOGY OLD**

Ade, Carl, Barstow, Thomas J. (Kinesiology), and Gadbury, Gary L. (Statistics), National Aeronautics and Space Administration, "Determining the Effect of Space Flight on the Incidence of Cardiovascular Risk Factors and Disease."

Barstow, Thomas J., Day, Dwight D. (Electrical and Computer Engineering), Gruenbacher, Don M. (Electrical and Computer Engineering), Kuhn, William B. (Electrical and Computer Engineering), Natarajan, Balasubramaniam (Electrical and Computer Engineering), Sobering, Timothy J. (Vice President Electronics Design Laboratory), and Warren, Steven (Electrical and Computer Engineering), Kansas Board of Regents, \$4,200, "Biosensor Networks and Telecommunication Subsystems for Long-duration Missions, EVA Suits, and Robotic Precursor Scout Missions."

**Barstow, Thomas J., Day, Dwight D.** (Electrical and Computer Engineering), **Gruenbacher, Don M.** (Electrical and Computer Engineering), **Kuhn, William B.** (Electrical and Computer Engineering), **Natarajan, Balasubramaniam** (Electrical and Computer Engineering), **Sobering, Timothy J.** (Vice President Electronics Design Laboratory), and **Warren, Steven** (Electrical and Computer Engineering), National Aeronautics and Space Administration, \$52,336, "Developing BioSensor Networks and Telecommunication Sub-systems for Long-duration Missions, EVA Suits, and Robotic Precursor Scout Missions - Coordinated Research Spanning Early-stage Innovations through Game Changing Technologies."

**Barstow, Thomas J., Schinstock, Dale E.** (Mechanical and Nuclear Engineering), and **Warren, Steven** (Electrical and Computer Engineering), National Aeronautics and Space Administration, \$121,548, "Standardized "Pre-flight" Exercise Tests to PredictPerformance during Extravehicular Activities in a Lunar Environment."

#### MATHEMATICS

Auckly, David R., National Security Agency, \$2,000, "Navajo Nation Math Circle."

Auckly, David R., US Department of Defense, \$49,392, "The Navajo Nations Math Circles Project."

**Bennett, Andrew G., Loschky, Lester C.** (Psychological Sciences), and **Rebello, Nobel S.** (Physics), National Science Foundation, "Research on the Use of Visual Cueing and Feedback to Facilitate Problem Solving."

**Bennett, Andrew G., Allen, David S.** (Curriculum and Instruction), **Brown, Jonathan H., Martinie, Sherri** (Curriculum and Instruction), and **Rumsey, Chepina W.**(Curriculum and Instruction), US Department of Education, "Improving Mathematics Instructions through Lesson Study (MILeS)."

**Bennett, Andrew G., Allen, David B.** (Curriculum and Instruction), **Martinie, Sherri** (Curriculum and Instruction), and **Rumsey, Chepina W.** (Curriculum and Instruction), US Department of Education, "Project Quest, Leadership for the Pursuit of Excellence in Mathematics Education."

**Brown, Jonathan H., Nagy, Gabriel**, and **Reznikoff, Sarah**, National Science Foundation, "Great Plains Operator Theory Symposium 2014."

**Brown, Jonathan H., Allen, David S.** (Curriculum and Instruction), **Bennett, Andrew G., Martinie, Sherri** (Curriculum and Instruction), and **Rumsey, Chepina W.**(Curriculum and Instruction), US Department of Education, "Improving Mathematics Instructions through Lesson Study (MILeS)."

**Fedorov, Roman,** National Science Foundation, \$157,637, "Principal Bundles on Local Schemes and a Duality for Hitchin Systems."

Kerr, Gabriel, Simons Foundation, \$35,000, "Simons Collaboration Grant - Kerr 2014."

Korten, Marianne, and Yetter, David, National Science Foundation, \$346,158, "REU Site: Summer Undergraduate Mathematics Research (SUMaR) at K-State."

**Maldonado, Diego M.,** National Science Foundation, \$166,000, "A First-order Calculus for the Monge-Ampere Quasi-metric Structure and its Applications to Analysis and PDEs."

**Nagy, Gabriel, Brown, Jonathan H.**, and **Reznikoff, Sarah**, National Science Foundation, "Great Plains Operator Theory Symposium 2014."

**Reznikoff, Sarah, Brown, Jonathan H.**, and **Nagy, Gabriel**, National Science Foundation, \$50,000, "Great Plains Operator Theory Symposium 2014."

**Spencer, Craig,** US Department of Defense, \$20,000, "Applications of Harmonic Analysis to Diophantine Problems and Discrepancy Theory."

**Yetter, David,** and **Korten, Marianne**, National Science Foundation, "REU Site: Summer Undergraduate Mathematics Research (SUMaR) at K-State."

**Zemlyanova, Anna,** Simons Foundation, \$35,000, "New Models of Fracture in Solids with Curvature-Dependent Surface Tension."

#### **MODERN LANGUAGES**

**Kanost, Laura M.,** Kansas Campus Compact, \$6,000, "Leveraging Computer Assisted Translation for Community Service-Learning."

#### MUSIC

Yu Oppenheim, Julie, Master Teacher, Inc., \$15,950, "Summer Choral Institute."

#### PHYSICS

**Ben-Itzhak, Itzhak,** US Department of Energy, \$2,500,000, "Structure and Dynamics of Atoms. Ions, Molecules, and Surfaces."

**Chakrabarti, Amitabha,** and **Sorensen, Christopher M.**, National Science Foundation, "Experimental and Theoretical Studies of Light Scattering from Irregularly Shaped Particles."

**Chakrabarti, Amitabha,** and **Sorensen, Christopher M.**, US Department of Defense, "Q-space Scattering Power Laws and the Interior Fields of Particles."

**Corwin, Kristan L.,** and **Weaver, Oliver L.**, National Science Foundation, \$142,743, "REU Site: Laser-Matter Interactions on Atomic and Nanoscales."

**Corwin, Kristan L.,** and **Washburn, Brian R.**, US Air Force, \$193,000, "Direct Spectroscopy in Hollow Optical Fiber with Fiber-based Optical Frequency Combs."

**Corwin, Kristan L.,** and **Washburn, Brian R.**, US Department of Defense, \$200,000, "Hollow Core Optical Fiber Gas Lasers (HOFGLAS): Toward Novel and Practical Systems in Fused Silica."

**Esry, Brett D.,** US Department of Defense, \$78,528, "Ultracold Polar Molecules: New Phases of Matter for Quantum Information and Quantum Control."

Horton-Smith, Glenn A., Maravin, Yurii, and Ratra, Bharat, US Department of Energy, \$282,000, "Heavy Quark and Neutrino Physics."

**Ivanov, Andrew G.,** US Department of Energy, \$30,000, "Exploiting Third Generation Quarks for New Physics Discoveries at the Energy Frontier."

**Ivanov, Andrew G.,** US Department of Energy, \$150,000, "Quest for a Top Quart Partner and Upgrade of the Pixel Detector Readout Chain at the CMS."

**Khalil, Sadia,** US Department of Energy, \$42,229, "Fermilab Partial Salary Support for Dr. Sadia Khalil to Collaborate on the CMS Experiment."

Kling, Matthias, US Department of Energy, \$25,000, "Electron Dynamics in Nanostructures in Strong Laser Fields."

**Lin, Chii-Dong,** US Department of Energy, \$145,000, "Time-Resolved Imaging of Molecules by High-Order Harmonics and Ultra Short Rescattering Electrons."

Maravin, Yurii, Horton-Smith, Glenn A., and Ratra, Bharat, US Department of Energy, "Heavy Quark and Neutrino Physics."

Ratra, Bharat, National Science Foundation, \$12,100, "Quarknet."

Ratra, Bharat, Horton-Smith, Glenn A., and Maravin, Yurii, US Department of Energy, "Heavy Quark and Neutrino Physics."

**Rebello, Nobel S., Bennett, Andrew G.** (Mathematics), and **Loschky, Lester C.** (Psychological Sciences), National Science Foundation, \$1,233,906, "Research on the Use of Visual Cueing and Feedback to Facilitate Problem Solving."

Sayre, Eleanor C., Hsu, William H. (Computing and Information Sciences), and Vasserman, Eugene (Computing and Information Sciences), National Science Foundation, \$249,336, "Collaborative Research: Community Implementation: WIDER: Data Explorer and Assessment Resources for Faculty."

Schmit, Jeremy D., AMGEN, Inc., \$80,000, "Amgen - Preclinical Research Program."

**Sorensen, Christopher M.,** and **Chakrabarti, Amitabha**, National Science Foundation, \$116,761, "Experimental and Theoretical Studies of Light Scattering from Irregularly Shaped Particles."

**Sorensen, Christopher M.,** US Department of Defense, \$94,873, "Multi-angle Light Scattering Device for Aerosol Particle Detection."

**Sorensen, Christopher M.,** and **Chakrabarti, Amitabha**, US Department of Defense, \$50,000, "Q-space Scattering Power Laws and the Interior Fields of Particles."

Szoszkiewicz, Robert, Science Exchange (Ocular Dynamics, LLC), \$3,195, "Basic AFM Imaging."

**Szoszkiewicz, Robert,** Science Exchange (Ocular Dynamics, LLC), \$800, "Microscale Topography Measurements on Selected Contact Lenses."

**Thumm, Uwe,** National Science Foundation, \$65,000, "Attosecond Time-resolved Quantum Dynamics in Atoms and Surfaces."

**Washburn, Brian R.,** and **Corwin, Kristan L.**, US Air Force, "Direct Spectroscopy in Hollow Optical Fiber with Fiber-based Optical Frequency Combs."

**Washburn, Brian R.,** and **Corwin, Kristan L.**, US Department of Defense, "Hollow Core Optical Fiber Gas Lasers (HOFGLAS): Toward Novel and Practical Systems in FusedSilica."

Weaver, Oliver L., and Corwin, Kristan L., National Science Foundation, "REU Site: Laser-Matter Interactions on Atomic and Nanoscales."

## POLITICAL SCIENCE

**Peterson, Jeffrey M., Bergtold, Jason S.** (Agricultural Economics), and **Kulcsar, Laszlo** (Sociology, Anthropology, and Social Work), National Science Foundation, \$4,000, "Farmers' Decisions to Grow Crops for Fuel."

## **PSYCHOLOGICAL SCIENCES**

**Kirkpatrick, Kimberly,** US Department of Health and Human Services, \$256,410, "Timing, Reward Processing and Choice."

**Loschky, Lester C., Bennett, Andrew G.** (Mathematics), and **Rebello, Nobel S.** (Physics), National Science Foundation, "Research on the Use of Visual Cueing and Feedback to Facilitate Problem Solving."

**Loschky, Lester C.,** US Department of Defense, \$200,000, "A New Measure of the Useful Field of View (UFOV): The Gaze-Contingent Peripheral Blur Detection Task."

**Monaco, Gregory E.,** and **Young, Michael**, Great Plains Network Consortium, "Funding for Executive Director - Great Plains Network."

**Young, Michael,** and **Monaco, Gregory E.**, Great Plains Network Consortium, \$477,642, "Funding for Executive Director - Great Plains Network."

## SCHOOL OF JOURNALISM AND MASS COMMUNICATIONS

**Bressers, Bonnie M.,** and **Gordon, Joye C.**, Association for Education inJournalism and Mass Communications, "Ethical Orientation, Professional Identity, and Ethical Assessment of News Subsidization among Journalists and Public Relations Professionals."

**Furnas, Kelly R.,** and **Wolgast, Stephen L.**, Collegian Media Group, "Student Publications Positions."

**Furnas, Kelly R.,** Journalism Education Association, \$756,374, "JEA Agreement for National Headquarters at Kansas State University."

**Gordon, Joye C.,** and **Bressers, Bonnie M.**, Association for Education inJournalism and Mass Communications, \$1,000, "Ethical Orientation, Professional Identity, and Ethical Assessment of News Subsidization among Journalists and Public Relations Professionals."

Hallaq, Tom, and Dissanayake, Sunanda (Civil Engineering), Kansas Department of Transportation, \$22,545, "Effect of Vehicle Color and Background Visability for Improving Safety on Rural Kansas Highways."

**Muturi, Nancy W., Adhikari, Koushik** (Human Nutrition), and **Kidd, Tandalayo** (Human Nutrition), US Department of Agriculture, "Community-Based Participatory Research (CBPR) Model in Preventing Overweight and Obesity Among 6th-8th Grade Youth in Low-Income Racial/Ethnic Communities."

**Wolgast, Stephen L.,** and **Furnas, Kelly R.**, Collegian Media Group, \$55,124, "Student Publications Positions."

## SOCIOLOGY, ANTHROPOLOGY, AND SOCIAL WORK

**Flora, Cornelia,** US Department of Agriculture, \$70,000, "Social Network Analysis of Hydrotreated Renewable Jet Fuel Value Chains."

Goe, W. Richard, Kauffman Foundation, \$88,100, "Measuring Entrepreneurial Activity at Missouri and Kansas Universities."

**Kulcsar, Laszlo, Bergtold, Jason S.** (Agricultural Economics), and **Peterson, Jeffrey M.** (Agricultural Economics), National Science Foundation, \$4,000, "Farmers' Decisions to Grow Crops for Fuel."

**Logan, Brad R.,** US Department of the Interior, \$10,040, "National Register of Historic Places Thematic Nomination Late Prehistoric Sites of Lovewell Reservoir, Jewell County, Kansas."

**Logan, Brad R.,** US Department of the Interior, \$10,064, "Phase III National Register of Historic Places Evaluation of 14RY402 Riley County, Kansas."

**Logan, Brad R.,** and **Ritterbush, Lauren W.**, US Department of the Interior, \$15,107, "Phase III National Register of Historical Places Evaluation of the Dreiling Site (14RY403) and Multiple Property Nomination of Wildcat Creek Valley Archaeological Sites in Riley County, Kansas."

Middendorf, Gerad D., Devlin, Daniel L. (Ks Ctr for Ag Rsrces & the Env / Ks Water Rsrce Rsrch Inst), Presley, DeAnn R. (Agronomy), Rice, Charles W. (Agronomy), Ruiz Diaz Suarez, Dorivar A. (Agronomy), Shoup, Douglas E.(Southeast Area Office), Shroyer, James
P. (Agronomy), Swamy, Aavudai Anandhi (Agronomy), Tomlinson, Peter J. (Agronomy), and Waggoner, Justin (Southwest Area Office), US Department of Agriculture, \$53,579, "Resillence and Vulnerability of Beef Cattle Production in the Southern Great Plains under Changing Climate, Land Use and Markets."

**Middendorf, Gerad D., Devlin, Daniel L.** (Ks Ctr for Ag Rsrces & the Env / Ks Water Rsrce Rsrch Inst), **Hutchinson, Stacy L.** (Biological and Agricultural Engineering), and**Mladenov, Natalie** (Civil Engineering), US Department of the Interior, \$48,544, "Water Research for the Fort Riley Net Zero Initiative."

**Ritterbush, Lauren W.,** and **Logan, Brad R.**, US Department of the Interior, "Phase III National Register of Historical Places Evaluation of the Dreiling Site (14RY403) and Multiple Property Nomination of Wildcat Creek Valley Archaeological Sites in Riley County, Kansas."

**Roper, Donna C.,** Alfred Benesch & Company, \$1,800, "Phase II Archaeological Survey for Proposed Upgrade at Blosser Municipal Airport, Concordia, Cloud County, Kansas."

**Roper, Donna C.,** Garver LLC, \$4,000, "Phase II Archaelogical Survey for Proposed Improvements at Martin Johnson Airport, Chanute, Neosha County, Kansas."

**Roper, Donna C.,** Harbin Construction L.L.C., \$2,100, "Phase II Archaeological Survey for Smoky Hill Range Water Distribution Lines, Saline County, Kansas."

**Roper, Donna C.,** US Department of the Interior, \$745 (includes \$745 from Kansas Historical Society), "Technical Analysis of Pottery from the Kansas Monument Site (14RP1)."

**Roper, Donna C.,** US Department of the Interior, \$40,000, "Testing Archaeological Sites 25FT56/130, 25FT353, 25FT354, & 25FT355, Hugh Butler Lake, Nebraska; Continued Testing Archaeological Sites."

Wesch, Michael, Ou, Xinming (Simon) (Computing and Information Sciences), and Vaile, Robert S. (Information Security & Compliance), National Science Foundation, \$139,969, "TWC SBE TTP: Medium: Collaborative: Bringing Anthropology into Cybersecurity."

#### **STATISTICS**

Bello, Nora M., Merial Limited, \$44,892, "Consulting Services Agreement."

Bello, Nora M., DeRouchey, Joel M. (Animal Sciences and Industry), Dritz, Steven S. (Diagnostic Medicine/Pathobiology), Goodband, Robert D. (AnimalSciences and Industry), Tokach, Michael D. (Animal Sciences and Industry), and Woodworth, Jason (Animal Sciences and Industry), Micronutrients, \$4,410, "The Effects of SID Lysine and Intellibond C(TBCC) Feeding Strategy in Finishing Pigs on Growth Performance, Carcass Characteristics and Economics."

**Bello, Nora M., KuKanich, Katherine** (Clinical Sciences), **Rankin, Amy** (Clinical Sciences), and **Schermerhorn, Thomas** (Clinical Sciences), Morris Animal Foundation, "The Effects of Ophthalmic Prednisolone and Diclofenac on Diabetes Mellitus Regulation in Dogs."

Bello, Nora M., Davis, Elizabeth G. (Clinical Sciences), Delph, Katherine M. (Veterinary Medical Teaching Hospital), Ewen, Catherine L.(DiagnosticMedicine/Pathobiology), Pohlman, Lisa
M. (Diagnostic Medicine/Pathobiology), and Wilkerson, Melinda (Diagnostic Medicine/Pathobiology), Zoetis LLC, "Research Protocol Agreement: Evaluation of Immunologic Response following Oral Vaccination with a USDA-approved, Attenuated, Live, Streptococcus Equi Vaccine."

**Gadbury, Gary L., Ade, Carl** (Kinesiology OLD), and **Barstow, Thomas J.** (Kinesiology), National Aeronautics and Space Administration, "Determining the Effect of Space Flight on the Incidence of Cardiovascular Risk Factors and Disease."

**Murray, Leigh W., Peterman, Robert J.** (Civil Engineering), and **Riding, Kyle** (Civil Engineering), Precast/Prestressed Concrete Institute, \$1,540, "Determination of Acceptance Criteria for Prestressing Strand in Pretensioned Applications."

Yao, Weixin, Simons Foundation, \$35,000, "Nonparametric and Semiparametric Models."

# **COLLEGE OF BUSINESS ADMINISTRATION**

# MANAGEMENT

Kovar, Stacy E., Multi-Sponsor, \$1,000, "MBA Practicum."

# MARKETING

**Deeter-Schmelz, Dawn R.,** Kansas State University Foundation, \$10,000, "National Strategic Sales Institute."

# **COLLEGE OF EDUCATION**

# **CIVIL ENGINEERING**

**Janke, Rhonda R.,** US Environmental Protection Agency, \$12,906, "From Garbage to Gourmet: Sustainable Waste Prevention and Mushroom Cultivation from Used Coffee Grounds."

# CURRICULUM AND INSTRUCTION

Allen, David B., Bennett, Andrew G. (Mathematics), Martinie, Sherri, and Rumsey, Chepina W., US Department of Education, "Project Quest, Leadership for the Pursuit of Excellence in Mathematics Education."

Allen, David S., Shroyer, Margaret G., and Spears, Jacqueline D. (Dean of Education), Kansas Board of Regents, "Supporting Transitions."

Allen, David S., Bennett, Andrew G. (Mathematics), Brown, Jonathan
H. (Mathematics), Martinie, Sherri, and Rumsey, Chepina W., US Department of Education,
"Improving Mathematics Instructions through Lesson Study (MILeS)."

Martinie, Sherri, Allen, David S., Bennett, Andrew G. (Mathematics), Brown, Jonathan H. (Mathematics), and Rumsey, Chepina W., US Department of Education, "Improving Mathematics Instructions through Lesson Study (MILeS)."

Martinie, Sherri, Allen, David B., Bennett, Andrew G. (Mathematics), and Rumsey, Chepina W., US Department of Education, "Project Quest, Leadership for the Pursuit of Excellence in Mathematics Education."

Rumsey, Chepina W., Allen, David S., Bennett, Andrew G. (Mathematics), Brown, Jonathan H. (Mathematics), and Martinie, Sherri, US Department of Education, "Improving Mathematics Instructions through Lesson Study (MILeS)."

**Rumsey, Chepina W., Allen, David B., Bennett, Andrew G.** (Mathematics), and **Martinie, Sherri**, US Department of Education, "Project Quest, Leadership for the Pursuit of Excellence in Mathematics Education."

**Shroyer, Margaret G., Allen, David S.**, and **Spears, Jacqueline D.** (Dean of Education), Kansas Board of Regents, "Supporting Transitions."

**DEAN OF CONTINUING EDUCATION Rankin, Charles I.,** US Department of Education, "Midwest Equity Assistance Center."

#### **DEAN OF EDUCATION**

Dalton, Andrew, and Herrera, Socorro G., US Department of Education, \$420,472, "KANCO 2."

**Havlicek, Barbara J.,** Kansas Foundation for Agriculture in the Classroom, \$141,679, "Kansas Foundation for Agriculture in the Classroom."

Havlicek, Barbara J., Multi-Sponsor, \$2,286, "Council for Public School Improvement."

Havlicek, Barbara J., Multi-Sponsor, \$73,062, "Educational Computer Assistance."

Havlicek, Barbara J., Schools for Quality Education, Inc., \$7,000, "Schools for Quality Education."

Herrera, Socorro G., and Mercer, Debbie K., Ministry of Education, Ecuador, \$997,990, " R.E.A.C.H. Language Project."

Herrera, Socorro G., US Department of Education, \$468,370, "DESTINY 2."

Herrera, Socorro G., and Dalton, Andrew, US Department of Education, "KANCO 2."

Herrera, Socorro G., US Department of Education, \$293,922, "Project KORE."

Herrera, Socorro G., USD 497, Lawrence, \$10,000, "USD 497 ELL Support."

Martinie, Sherri, Allen, David B. (Curriculum and Instruction), Bennett, Andrew G. (Mathematics), and Rumsey, Chepina W. (Curriculum and Instruction), US Department of Education, \$138,109, "Project Quest, Leadership for the Pursuit of Excellence in Mathematics Education."

Mercer, Debbie K., and Herrera, Socorro G., Ministry of Education, Ecuador, "R.E.A.C.H. Language Project."

**Middendorf, B. Jan,** Kansas Board of Regents, \$33,440, "Kansas Board of Regents (KBOR) on Behalf of the Data Research and Planning Unit for Evaluation Services."

**Middendorf, B. Jan,** National Science Foundation, \$74,000, "Adapting Socio-ecological Systems to Increased Climate Variability."

**Middendorf, B. Jan,** National Science Foundation, \$116,139, "Evaluation Services, Track 1 Experimental Program to Stimulate Competitive Research (EPSCoR)."

**Middendorf, B. Jan,** National Science Foundation, \$26,272, "External Evaluation of Iowa NSF EPSCoR."

**Middendorf, B. Jan,** National Science Foundation, \$281,074, "Research in Disabilities Education Synthesis Project (RDE-SP)."

**Middendorf, B. Jan,** US Department of Health and Human Services, \$28,000, "Medicare Rural Hospital Flexibility Program (FLEX)."

**Middendorf, B. Jan,** US Department of Health and Human Services, \$12,000, "Project ATTAIN: Increasing Participation of Xavier Students in the NIH Workforce - Evaluation."

**Middendorf, B. Jan,** US Department of Labor, \$260,000, "Butler Community College TAACCCT Proposal."

**Middendorf, B. Jan,** US Department of Labor, \$150,000, "Soaring to Success - North Idaho College - Evaluation."

**Procter, David E., Kahl, Daniel W.** (Agriculture and Natural Resources), **Peterson, Hikaru H.** (Agricultural Economics), and **Procter, Sandra B.** (Human Nutrition), US Department of Agriculture, \$59,942, "Increasing Healthful Food Choice and Strengthening Rural Grocery Stores through Nutritional Education and Labeling."

Rankin, Charles I., US Department of Education, \$651,270, "Midwest Equity Assistance Center."

Rumsey, Chepina W., Allen, David S. (Curriculum and Instruction), Bennett, Andrew G. (Mathematics), Brown, Jonathan H. (Mathematics), and Martinie, Sherri(Curriculum and Instruction), US Department of Education, \$133,287, "Improving Mathematics Instructions through Lesson Study (MILeS)."

## Scott, Harvey M., Amachawadi, Raghavendra G. (Diagnostic

Medicine/Pathobiology), **Drouillard, James S.** (Animal Sciences and Industry), **Nagaraja, Tiruvoor G.**(Diagnostic Medicine/Pathobiology), and **Tokach, Michael D.** (Animal Sciences and Industry), US Department of Agriculture, "Alternatives to Antibiotics in Animal Agriculture: Impacts on Antimicrobial of Enteric Bacteria." Spears, Jacqueline D., Allen, David S. (Curriculum and Instruction), and Shroyer, Margaret G. (Curriculum and Instruction), Kansas Board of Regents, \$145,370, "Supporting Transitions."

**Spears, Jacqueline D., Andresen, Daniel A.** (Computing and Information Sciences), **Neilsen, Mitchell L.** (Computing and Information Sciences), and **Zhang, Naiqian**(Biological and Agricultural Engineering), National Science Foundation, \$114,364, "Infusing System Design and Sensor Technology in Education."

**Thurston, Linda P.,** National Science Foundation, \$15,069, "Evaluating Broadening Participation in Computing Alliances (BPC) Program."

**Thurston, Linda P., Grauer, Bette** (Dean of Engineering), **Mason, April** (Office of the Provost), **Montelone, Beth A.** (Dean of Arts and Sciences), and **Wiley, Zelia Z.** (Dean of Agriculture and Director of AES), National Science Foundation, \$250,000, "Pathways to STEM: Kansas Louis Stokes Alliance for Minority Participation."

**Zacharakis, Jeffrey T.,** American Association for Adult & Continuing Education, \$10,500, "Adult Education Quarterly Editorship."

## EDUCATIONAL LEADERSHIP

Devin, Mary E., US Department of Education, \$19,500, "Kansas Educational Leadership Institute."

Rankin, Charles I., US Department of Education, "Midwest Equity Assistance Center."

Zacharakis, Jeffrey T., American Association for Adult & Continuing Education, "Adult Education Quarterly Editorship."

#### SPECIAL EDUCATION, COUNSELING, AND STUDENT AFFAIRS Hughey, Judith K., US Department of Education, \$27,026, "Summer Academy for School Counselors."

# **COLLEGE OF ENGINEERING**

# ADVANCED MANUFACTURING INSTITUTE

**Jones, Taylor S.,** KEMA, LLC, \$20,000, "Phase I-Evaluate Potential for Phosphate Recovery from Ethanol Plant Byproduct Stream through Bobierrite Precipitation."

Jones, Taylor S., Kramer, Bradley A., and Tucker, Jeffrey W., Multi- Sponsor, "Advanced Manufacturing Institute - Manufacturing Learning Center."

**Kramer, Bradley A., Jones, Taylor S.**, and **Tucker, Jeffrey W.**, Multi- Sponsor, \$797,000, "Advanced Manufacturing Institute - Manufacturing Learning Center."

**Kramer, Bradley A.,** and **Tucker, Jeffrey W.**, US Department of Commerce, "Kansas State University Olathe Innovation Accelerator University Center Program Grant."

**Tucker, Jeffrey W.,** Kansas Department of Commerce, \$50,000, "KDOC Innovation Growth Program."

**Tucker, Jeffrey W.,** and **Kramer, Bradley A.** (Industrial and Manufacturing Systems Engineering), Kansas State University Olathe, \$120,000, "Kansas State University Olathe Innovation Accelerator University Center Program Grant Matching Funds."

Tucker, Jeffrey W., Jones, Taylor S., and Kramer, Bradley A., Multi- Sponsor, "Advanced Manufacturing Institute - Manufacturing Learning Center."

**Tucker, Jeffrey W.,** and **Kramer, Bradley A.**, US Department of Commerce, \$385,000 (includes \$100,000 from In Kind Contribution KSU IC, and \$35,000 from In Kind Contribution KSU Olathe), "Kansas State University Olathe Innovation Accelerator University Center Program Grant."

# ARCHITECTURAL ENGINEERING AND CONSTRUCTION SCIENCE

**Keen, Julia A.,** and **Jones, Byron W.** (National Gas Machinery Laboratory), Am. Soc. Heating, Refrigerating & Air-Cond Engineers, Inc., \$37,730, "Role of HVAC Systems in the Transmission of Infectious Agents in Buildings and Intermodal Transportation."

# **BIOLOGICAL AND AGRICULTURAL ENGINEERING**

Barnes, Philip L., Kluitenberg, Gerard J. (Agronomy), Nelson, Nathan O. (Agronomy), Roozeboom, Kraig L. (Agronomy), Tomlinson, Peter J. (Agronomy), andWilliams, Jeffery R. (Agricultural Economics), 4R Nutrient Stewardship, \$26,258, "Minimizing Phosphorus Loss with 4R Stewardship and Cover Crops."

Barnes, Philip L., Devlin, Daniel L. (Ks Ctr for Ag Rsrces & the Env / Ks Water Rsrce Rsrch Inst), Graber, Ronald W. (Ks Ctr for Ag Rsrces & the Env / Ks Water Rsrce Rsrch Inst), Keane, Timothy D. (Landscape Architecture/Regional and Community Planning), and Sheshukov, Aleksey Y., US Department of Agriculture, "Ephemeral Gully Assessment and Adoption of Preventive Measures to Reduce Erosion in Cultivated Croplands."

**Ebert, Kerri L.,** and **Hadley, Gregg L.**, US Department of Agriculture, "Kansas SARE - Kansas 2014 State PDP Chapter 1 Program."

**Ebert, Kerri L.,** and **Hadley, Gregg L.** (Agriculture and Natural Resources), US Department of Agriculture, "Kansas SARE - Kansas 2014 State PDP Chapter 3 Program."

**Hutchinson, Stacy L., Harrington Jr, John A.** (Geography), and **Rice, Charles W.** (Agronomy), National Science Foundation, "Understanding Climate Change in the Great Plains: Source, Impact, and Mitigation."

Hutchinson, Stacy L., Devlin, Daniel L. (Ks Ctr for Ag Rsrces & the Env / Ks Water Rsrce Rsrch Inst), Middendorf, Gerad D. (Sociology, Anthropology, and Social Work), and Mladenov, Natalie (Civil Engineering), US Department of the Interior, \$97,087, "Water Research for the Fort Riley Net Zero Initiative."

Maghirang, Ronaldo G., and Steichen, James M., US Department of Agriculture, \$20,000, "Measurement and Modeling of Fugitive Dust from Off-Road DOD Activities."

**Maghirang, Ronaldo G.,** US Department of Agriculture, \$9,000, "Mechanistic Modeling of Wind Barriers and Grain Commingling Using CFD and DEM."

**Sheshukov, Aleksey Y., Caldas, Marcellus M.** (Geography), **Daniels, Melinda** (Geography), and **Heier Stamm, Jessica L.** (Industrial and Manufacturing Systems Engineering), National Science Foundation, \$232,000, "CNH: Coupled Climate, Cultivation, and Culture in the Great Plains: Understanding Water Supply and Water Quality in a Fragile Landscape."

**Sheshukov, Aleksey Y., Barnes, Philip L., Devlin, Daniel L.** (Ks Ctr for Ag Rsrces & the Env / Ks Water Rsrce Rsrch Inst), **Graber, Ronald W.** (Ks Ctr for Ag Rsrces & the Env / Ks Water Rsrce Rsrch Inst), and **Keane, Timothy D.** (Landscape Architecture/Regional and Community Planning), US Department of Agriculture, \$34,000, "Ephemeral Gully Assessment and Adoption of Preventive Measures to Reduce Erosion inCultivated Croplands."

**Steichen, James M.,** and **Maghirang, Ronaldo G.**, US Department of Agriculture, "Measurement and Modeling of Fugitive Dust from Off-Road DOD Activities."

**Wang, Donghai,** Heartland Plant Innovations, Inc., \$11,000, "Seed Characterization to Enable Development and Implementation of a Doubled Haploid Breeding System for Sorghum."

**Wang, Donghai,** and **Tesso, Tesfaye** (Agronomy), Kansas Grain Sorghum Commission, \$17,500, "Development and Utilization of Sorghum as Feedstock for Biofuel Production."

**Wang, Donghai, Peterson, Jeffrey M.** (Agricultural Economics), **Pfromm, Peter H.** (Chemical Engineering), and **Rezac, Mary E.** (Chemical Engineering), National Science Foundation, "IGERT: From Crops to Commuting: Integrating the Social, Technological, and Agricultural Aspects of Renewable and Sustainable Biorefining (I-STAR)."

**Wang, Donghai,** The United Sorghum Checkoff Program Board, \$140,000, "Fully Utilizing Non-Structural Carbohydrates in Sweet Sorghum via Diffusion Process."

Wang, Donghai, US Department of Agriculture, \$55,000, "Spectroscopic Measurement of Biological Materials."

**Wang, Donghai,** US Department of Transportation, \$37,995, "Commercialization of Identity Preserved Grain Sorghum with Optimized Endosperm Matrices for Enhanced Bioethanol Conversion and High Lysine DDG Feed and Food Value."

Zhang, Naiqian, Andresen, Daniel A. (Computing and Information Sciences), Neilsen, Mitchell L. (Computing and Information Sciences), and Spears, Jacqueline D. (Dean of Education), National Science Foundation, \$114,364, "Infusing System Design and Sensor Technology in Education."

## **CENTER FOR HAZARDOUS SUBSTANCE RESEARCH**

**Erickson, Larry E.,** and **Pahwa, Anil** (Electrical and Computer Engineering), Black & Veatch Corporation, \$20,000, "Building a World of Difference with Solar Powered Charge Stations for Electric Vehicles."

**Erickson, Larry E., Davis, Lawrence C.** (Biochemistry), **Hettiarachchi, Ganga M.** (Agronomy), and **Roozeboom, Kraig L.** (Agronomy), North Atlantic Treaty Organiztion (NATO), \$1,343, "Phytotechnology with Biomass Production for Cleaning Up Former Military Sites."

**Leven, Blase A., US** Department of Defense, \$65,500, "Non-Lethal Weapons Maritime Environmental Memorandum of Agreement and Job Aid, Joint Non-Lethal Weapons Program (JNLWP) Quantico, VA."

**Leven, Blase A., Hettiarachchi, Ganga M.** (Agronomy), and **Martin, Sabine E.** (Geology), US Environmental Protection Agency, \$37,500, "Sustainable Local Gardening Redevelopment at Brownfields Sites."

**Leven, Blase A.,** US Environmental Protection Agency, \$2,150,000, "Technical Assistance to Brownfield Communities in US EPA Regions 5, 6, 7, and 8."

# CHEMICAL ENGINEERING

**Amama, Placidus B.,** American Chemical Society, \$110,000, "Size-Controlled Catalyst Nanoparticles Supported on Superacid-derived Carbon Nanotube Foams for Synthesis of Clean Fuels."

**Berry, Vikas,** MEMC Electronic Materials Inc., \$37,774, "Growth and Transfer of Large-Area Graphene on Silicon and Silica Substrates and its Surface Engineering."

**Berry, Vikas,** US Department of Defense, \$50,000, "Tapered Graphene Nanoribbons of Controlled Tapering Angle: Structurally Tuning the Charge-carrier Properties."

**Edgar, James H.,** and **Geuther, Jeffrey A.** (Mechanical and Nuclear Engineering), US Department of Homeland Security, \$114,306, "ARI-MA: Collaborative Research: Hexagonal Boron Nitride Based Neutron Detectors."

**Erickson, Larry E.,** and **Hohn, Keith L.**, National Science Foundation, "REU Site: Earth, Wind, and Fire: Sustainable Energy in the 21st Century."

**Erickson, Larry E., Carter, David A.** (Kansas Industrial Extension Services), **Hohn, Keith L., Miller, Ruth D.** (Electrical and Computer Engineering),**Snead, Bruce C.**(Kansas Industrial Extension Services), and **Snyder, Kristina E.** (Kansas Industrial Extension Services), US Department of State, "Summer Institute on Environmental Stewardship."

**Hohn, Keith L.,** INVISTA, \$87,857, "Impact of Amines on Catalytic Dehydration of 2,3butanediol to 1,3-butadiene."

**Hohn, Keith L., Champion, Benjamin** (Office of the Provost), and **Madl, Ronald L.** (Grain Science and Industry), Kansas Soybean Commission, \$3,820, "Promoting Cooking Oil-to-Biodiesel Process on K-State University Campus."

**Hohn, Keith L.,** and **Erickson, Larry E.**, National Science Foundation, \$109,186, "REU Site: Earth, Wind, and Fire: Sustainable Energy in the 21st Century."

**Hohn, Keith L.,** Pipeline Research Council International, Inc., \$25,430, "Modeling of NSCR Performance with Exhaust Mixtures from Natural Gas-Fueled Engines."

Hohn, Keith L., and Vadlani, Praveen V. (Grain Science and Industry), US Department of Defense, \$72,000, "Novel Biomass Conversion Process for Production of Butylenes."

Hohn, Keith L., Carter, David A. (Kansas Industrial Extension Services), Erickson, Larry E., Miller, Ruth D. (Electrical and Computer Engineering), Snead, Bruce C.(Kansas Industrial Extension Services), and Snyder, Kristina E. (Kansas Industrial Extension Services), US Department of State, "Summer Institute on Environmental Stewardship."

**Pfromm, Peter H., Peterson, Jeffrey M.** (Agricultural Economics), **Rezac, Mary E.**, and **Wang, Donghai** (Biological and Agricultural Engineering), National Science Foundation, "IGERT: From Crops to Commuting: Integrating the Social, Technological, and Agricultural Aspects of Renewable and Sustainable Biorefining (I-STAR)."

**Rezac, Mary E., Peterson, Jeffrey M.** (Agricultural Economics), **Pfromm, Peter H.**, and **Wang, Donghai** (Biological and Agricultural Engineering), National Science Foundation, \$648,192, "IGERT: From Crops to Commuting: Integrating the Social, Technological, and Agricultural Aspects of Renewable and Sustainable Biorefining (ISTAR)."

**Rezac, Mary E.,** and **Bergtold, Jason S.** (Agricultural Economics), National Science Foundation, \$217,200, "REU Site: Summer Academy in Sustainable BioEnergy."

#### **CIVIL ENGINEERING**

**Dissanayake, Sunanda,** Kansas Department of Transportation, \$65,000, "Calibrating the HSM Rural Multi-Lane Model for Kansas Highways."

**Dissanayake, Sunanda,** and **Hallaq, Tom** (School of Journalism and Mass Communications), Kansas Department of Transportation, \$22,545, "Effect of Vehicle Color and Background Visability for Improving Safety on Rural Kansas Highways."

**Dissanayake, Sunanda,** Kansas Department of Transportation, \$69,000, "Gravel Road Paving Guidelines."

**Esmaeily, Asadollah,** and **Rasheed, Hayder A.**, Kansas Department of Transportation, "Ultimate Shear Capacity of Circular Columns Using the Modified Compression Field Theory."

**Hossain, Mustaque A.,** Kansas Department of Transportation, \$20,000, "Administration of KDOT/KTRAN Program."

**Hossain, Mustaque A.,** Kansas Department of Transportation, \$68,000, "Durable Recycled Superpave Mixes in Kansas."

**Hossain, Mustaque A.,** Kansas Department of Transportation, \$78,000, "Friction Management on KDOT Highways."

**Hossain, Mustaque A.,** and **Stokes, Robert W.**, US Department of Transportation, \$349,380, "Region VII University Transportation Center (UTC)."

**Mladenov, Natalie,** National Science Foundation, \$49,537, "The Role of Dust on Snow and Other Aeolian Inputs in Soil Formation and Biogeochemical Cycling in Barren, Alpine Catchments."

**Mladenov, Natalie, Devlin, Daniel L.** (Ks Ctr for Ag Rsrces & the Env / Ks Water Rsrce Rsrch Inst), **Hutchinson, Stacy L.** (Biological and Agricultural Engineering), and**Middendorf, Gerad D.** (Sociology, Anthropology, and Social Work), US Department of the Interior, \$48,544, "Water Research for the Fort Riley Net Zero Initiative."

**Peterman, Robert J.,** and **Riding, Kyle**, Logan Structural Research Foundation, "Determination of Acceptance Criteria for Prestressing Strand."

**Peterman, Robert J., Murray, Leigh W.** (Statistics), and **Riding, Kyle**, Precast/Prestressed Concrete Institute, "Determination of Acceptance Criteria for Prestressing Strand in Pretensioned Applications."

**Rasheed, Hayder A.,** and **Esmaeily, Asadollah**, Kansas Department of Transportation, \$61,000, "Ultimate Shear Capacity of Circular Columns Using the Modified Compression Field Theory."

**Riding, Kyle,** Kansas Department of Transportation, \$68,000, "Best Practices for Concrete Pumping."

**Riding, Kyle,** and **Peterman, Robert J.**, Logan Structural Research Foundation, \$10,000, "Determination of Acceptance Criteria for Prestressing Strand."

**Riding, Kyle, Murray, Leigh W.** (Statistics), and **Peterman, Robert J.**, Precast/Prestressed Concrete Institute, \$13,860, "Determination of Acceptance Criteria for Prestressing Strand in Pretensioned Applications."

**Riding, Kyle,** US Department of Transportation, \$102,331, "Freeze-Thaw Performance of Concrete Railroad Ties."

Steward, David R., Devlin, Daniel L. (Ks Ctr for Ag Rsrces & the Env / Ks Water Rsrce Rsrch Inst), Golden, Bill B. (Agricultural Economics), Holman, Johnathon D. (Southwest Research Extension Center), Lamm, Freddie R. (Northwest Research Extension Center), Pagadala, P. V.
Vara (Agronomy), Schlegel, Alan J. (Southwest Research Extension Center), and Swamy, Aavudai Anandhi (Agronomy), US Department of Agriculture, "Improving Water Productivity and New Water Management Technologies to Sustain Rural Economies - KSU."

Stokes, Robert W., Land Institute, \$54,940, "Non-legume Sources of Nitrogen Fixation."

**Stokes, Robert W.,** and **Hossain, Mustaque A.**, US Department of Transportation, "Region VII University Transportation Center (UTC)."

**Stokes, Robert W.,** US Department of Transportation, \$100,000, "Traffic Assistance Services for Kansas (TASK) Program (FY 2012 - 2014)."

# **COMPUTING AND INFORMATION SCIENCES**

Amtoft, Torben, Banerjee, Anindya, Hatcliff, John M., Ou, Xinming (Simon), and Robby, -, US Department of Defense, "Evidence-based Trust in Large-Scale MLS Systems."

Andresen, Daniel A., Brown, Susan J. (Biology), Caragea, Doina, Gruenbacher, Don
M. (Electrical and Computer Engineering), Hutchinson, J. M. Shawn (Geography), Schulz, Noel
N. (Electrical and Computer Engineering), Scoglio, Caterina M. (Electrical and Computer
Engineering), and Vasserman, Eugene, National Science Foundation, \$174,690, "CC-NIE Network
Infrastructure: KGAP: Bridging the Gap on Network Flexibility and Performance for Genomics and
Data-Intensive Research at Kansas State University."

Andresen, Daniel A., Neilsen, Mitchell L., Spears, Jacqueline D. (Dean of Education), and Zhang, Naiqian (Biological and Agricultural Engineering), National Science Foundation, "Infusing System Design and Sensor Technology in Education."

Andresen, Daniel A., National Science Foundation, \$65,798, "Prairie Light: Next Generation Networking for Mid-Continent Science."

Andresen, Daniel A., Hatcliff, John M., Ranganath, Venkatesh, Robby, -, Vasserman, Eugene, and Warren, Steven (Electrical and Computer Engineering), US Department of Health and Human Services, "Development of a Prototype Healthcare Intranet for Improved Health Outcomes."

Banerjee, Anindya, Amtoft, Torben, Hatcliff, John M., Ou, Xinming (Simon), and Robby, -, US Department of Defense, "Evidence-based Trust in Large-Scale MLS Systems."

Caragea, Doina, Andresen, Daniel A., Brown, Susan J. (Biology), Gruenbacher, Don M. (Electrical and Computer Engineering), Hutchinson, J. M. Shawn (Geography), Schulz, Noel N. (Electrical and Computer Engineering), Scoglio, Caterina M. (Electrical and Computer Engineering), and Vasserman, Eugene, National Science Foundation, "CC-NIE Network Infrastructure: KGAP: Bridging the Gap on Network Flexibility and Performance for Genomics and Data-Intensive Research at Kansas State University."

**Caragea, Doina, Das, Sanjoy** (Electrical and Computer Engineering), **Kluitenberg, Gerard J.** (Agronomy), and **Welch, Stephen M.** (Agronomy), National Science Foundation, \$16,853, "TRMS: Agroecological Annotation of Gene Function and Computational Analysis of Gene Networks."

**Chalin, Patrice, Hatcliff, John M.**, and **Warren, Steven** (Electrical and Computer Engineering), National Science Foundation, "FDA SIR: Risk Assessment Techniques for Apps and Devices Within Interoperable Medical Frameworks."

**DeLoach, Scott A., Hatcliff, John M., Ou, Xinming (Simon)**, and **Robby, -**, US Department of Defense, "Enhancing the Cybersecurity and Information Assurance Research and Education Infrastructure of Kansas State University."

**DeLoach, Scott A.,** and **Ou, Xinming (Simon)**, US Department of Defense, \$187,722, "Understanding and Quantifying the Impact of Moving Target Defenses on Computer Networks." Gustafson, David A., GTM Sportswear, \$12,903, "CIS Internship Program (GTM)."

Gustafson, David A., NetApp, Inc., \$28,508, "CIS Internship Program."

**Hatcliff, John M., Chalin, Patrice**, and **Warren, Steven** (Electrical and Computer Engineering), National Science Foundation, \$64,000, "FDA SIR: Risk Assessment Techniques for Apps and Devices Within Interoperable Medical Frameworks."

Hatcliff, John M., DeLoach, Scott A., Ou, Xinming (Simon), and Robby, -, US Department of Defense, "Enhancing the Cybersecurity and Information Assurance Research and Education Infrastructure of Kansas State University."

Hatcliff, John M., Amtoft, Torben, Banerjee, Anindya, Ou, Xinming (Simon), and Robby, -, US Department of Defense, \$150,000, "Evidence-based Trust in Large-Scale MLS Systems."

Hatcliff, John M., Andresen, Daniel A., Ranganath, Venkatesh, Robby, -, Vasserman, Eugene, and Warren, Steven (Electrical andComputer Engineering), US Department of Health and Human Services, \$85,000, "Development of a Prototype Healthcare Intranet for Improved Health Outcomes."

**Hsu, William H.,** iQ Gateway LLC, \$10,000, "Computational Information and Knowledge Management: Data Mining, Analytics, and Information Extraction and Integration Tasks."

**Hsu, William H., Sayre, Eleanor C.** (Physics), and **Vasserman, Eugene**, National Science Foundation, \$173,267, "Collaborative Research: Community Implementation: WIDER: Data Explorer and Assessment Resources for Faculty."

Neilsen, Mitchell L., Andresen, Daniel A., Spears, Jacqueline D. (Dean of Education), and Zhang, Naiqian (Biological and Agricultural Engineering), National Science Foundation, \$343,091, "Infusing System Design and Sensor Technology in Education."

**Neilsen, Mitchell L.,** Sandia National Laboratories, \$50,000, "Interface Development for Thermal Battery Models."

**Neilsen, Mitchell L.,** US Department of Agriculture, \$35,000, "Enhancement of Software Tools for Predicting Embankment Erosion of Earthen Dams."

**Ou, Xinming (Simon),** National Science Foundation, \$90,379, "CAREER: Reasoning about Uncertainty in Cybersecurity."

**Ou, Xinming (Simon), Vaile, Robert S.** (Information Secuirty & Compliance), and **Wesch, Michael** (Sociology, Anthropology, and Social Work), National Science Foundation, \$419,907, "TWC SBE TTP: Medium: Collaborative: Bringing Anthropology into Cybersecurity."

**Ou, Xinming (Simon), DeLoach, Scott A., Hatcliff, John M.**, and **Robby, -**, US Department of Defense, \$605,650, "Enhancing the Cybersecurity and Information Assurance Research and Education Infrastructure of Kansas State University."

**Ou, Xinming (Simon), Amtoft, Torben, Banerjee, Anindya, Hatcliff, John M.**, and **Robby, -**, US Department of Defense, "Evidence-based Trust in Large- Scale MLS Systems."

**Ou, Xinming (Simon),** and **DeLoach, Scott A.**, US Department of Defense, "Understanding and Quantifying the Impact of Moving Target Defenses on Computer Networks."

Ranganath, Venkatesh, Andresen, Daniel A., Hatcliff, John M., Robby, -, Vasserman, Eugene, and Warren, Steven (Electrical and Computer Engineering), US Department of Health and Human Services, "Development of a Prototype Healthcare Intranet for Improved Health Outcomes."

**Robby, -, DeLoach, Scott A., Hatcliff, John M.**, and **Ou, Xinming (Simon)**, US Department of Defense, "Enhancing the Cybersecurity and Information Assurance Research and Education Infrastructure of Kansas State University."

**Robby, -, Amtoft, Torben, Banerjee, Anindya, Hatcliff, John M.**, and **Ou, Xinming (Simon)**, US Department of Defense, "Evidence-based Trust in Large- Scale MLS Systems."

Robby, -, Andresen, Daniel A., Hatcliff, John M., Ranganath, Venkatesh, Vasserman, Eugene, and Warren, Steven (Electrical and Computer Engineering), US Department of Health and Human Services, "Development of a Prototype Healthcare Intranet for Improved Health Outcomes."

**Singh, Gurdip,** Kansas State University Foundation, \$8,000, "Mounday PhD Graduate Fellowship Support."

**Singh, Gurdip,** National Science Foundation, \$299,027, "National Science Foundation - Intergovermental Personnel Act."

**Vasserman, Eugene,** National Science Foundation, \$88,402, "CAREER: Safety and Security for Next-generation World-scale Real-time Medical Systems."

Vasserman, Eugene, Andresen, Daniel A., Brown, Susan J. (Biology), Caragea,
Doina, Gruenbacher, Don M. (Electrical and Computer Engineering), Hutchinson, J. M.
Shawn (Geography), Schulz, Noel N. (Electrical and Computer Engineering), and Scoglio, Caterina
M. (Electrical and Computer Engineering), National Science Foundation, "CC-NIE Network
Infrastructure: KGAP: Bridging the Gap on Network Flexibility and Performance for Genomics and
Data-Intensive Research at Kansas State University."

**Vasserman, Eugene, Hsu, William H.**, and **Sayre, Eleanor C.** (Physics), National Science Foundation, "Collaborative Research: Community Implementation: WIDER: Data Explorer and Assessment Resources for Faculty."

Vasserman, Eugene, Andresen, Daniel A., Hatcliff, John M., Ranganath, Venkatesh, Robby, -, and Warren, Steven (Electrical and Computer Engineering), US Department of Health and Human Services, "Development of a Prototype Healthcare Intranet for Improved Health Outcomes."

#### **DEAN OF ENGINEERING**

English, John R., Kansas State University Foundation, "Professor Research Support."

**Grauer, Bette, Mason, April** (Office of the Provost), **Montelone, Beth A.** (Dean of Arts and Sciences), **Thurston, Linda P.** (Dean of Education), and **Wiley, Zelia Z.** (Dean of Agriculture and Director of AES), National Science Foundation,\$200,000, "Pathways to STEM: Kansas Louis Stokes Alliance for Minority Participation."

Larson, Nancy J., Multi-Sponsor, \$378, "KINEX Multi-Sponsor."

# ELECTRICAL AND COMPUTER ENGINEERING

**Das, Sanjoy, Caragea, Doina** (Computing and Information Sciences), **Kluitenberg, Gerard J.** (Agronomy), and **Welch, Stephen M.** (Agronomy), National Science Foundation, \$91,485, "TRMS: Agroecological Annotation of Gene Function and Computational Analysis of Gene Networks."

**Day, Dwight D., Barstow, Thomas J.** (Kinesiology OLD), **Gruenbacher, Don M., Kuhn, William B., Natarajan, Balasubramaniam, Sobering, Timothy J.** (Vice President Electronics Design Laboratory), and **Warren, Steven**, Kansas Board of Regents, "Biosensor Networks and Telecommunication Subsystems for Long-duration Missions, EVA Suits, and Robotic Precursor Scout Missions."

**Day, Dwight D., Barstow, Thomas J.** (Kinesiology OLD), **Gruenbacher, Don M., Kuhn, William B., Natarajan, Balasubramaniam, Sobering, Timothy J.** (Vice President Electronics Design Laboratory), and **Warren, Steven**, National Aeronautics and Space Administration, "Developing BioSensor Networks and Telecommunication Sub-systems for Long-duration Missions, EVA Suits, and Robotic Precursor Scout Missions - Coordinated Research Spanning Early-stage Innovations through Game Changing Technologies."

**Gruenbacher, Don M., Barstow, Thomas J.** (Kinesiology OLD), **Day, Dwight D., Kuhn, William B., Natarajan, Balasubramaniam, Sobering, Timothy J.** (Vice President Electronics Design Laboratory), and **Warren, Steven**, Kansas Board of Regents, "Biosensor Networks and Telecommunication Subsystems for Long-duration Missions, EVA Suits, and Robotic Precursor Scout Missions."

Gruenbacher, Don M., and Schulz, Noel N., Kansas State University Foundation, "Power Affiliates."

**Gruenbacher, Don M., Barstow, Thomas J.** (Kinesiology OLD), **Day, Dwight D., Kuhn, William B., Natarajan, Balasubramaniam, Sobering, Timothy J.** (Vice President Electronics Design Laboratory), and **Warren, Steven**, National Aeronautics and Space Administration, "Developing BioSensor Networks and Telecommunication Sub-systems for Long-duration Missions, EVA Suits, and Robotic Precursor Scout Missions - Coordinated Research Spanning Early-stage Innovations through Game Changing Technologies."

**Gruenbacher, Don M., Andresen, Daniel A.** (Computing and Information Sciences), **Brown, Susan J.** (Biology), **Caragea, Doina** (Computing and Information Sciences), **Hutchinson, J. M. Shawn** (Geography), **Schulz, Noel N., Scoglio, Caterina M.**, and **Vasserman, Eugene** (Computing and Information Sciences), National Science Foundation, "CC-NIE Network Infrastructure: KGAP: Bridging the Gap on Network Flexibility and Performance for Genomics and Data-Intensive Research at Kansas StateUniversity." Kuhn, William B., Barstow, Thomas J. (Kinesiology OLD), Day, Dwight D., Gruenbacher, Don M., Natarajan, Balasubramaniam, Sobering, Timothy J. (Vice President Electronics Design Laboratory), and Warren, Steven, Kansas Board of Regents, \$15,750, "Biosensor Networks and Telecommunication Subsystems for Long-duration Missions, EVA Suits, and Robotic Precursor Scout Missions."

Kuhn, William B., Barstow, Thomas J. (Kinesiology OLD), Day, Dwight D., Gruenbacher, Don M., Natarajan, Balasubramaniam, Sobering, Timothy J. (Vice President Electronics Design Laboratory), and Warren, Steven, National Aeronautics and Space Administration, \$196,262, "Developing BioSensor Networks and Telecommunication Sub-systems for Long-duration Missions, EVA Suits, and Robotic Precursor Scout Missions - Coordinated Research Spanning Early-stage Innovations through Game Changing Technologies."

Kuhn, William B., US Department of Energy, \$56,301, "Characterization of Thin Film on LTCC Technologies."

Miller, Ruth D., Spaulding, Gregory L. (Mechanical and Nuclear Engineering), and Wang, Youqi (Mechanical and Nuclear Engineering), National Renewable Energy Laboratory, \$12,716, "Kansas State University Wind Turbine Design Team."

Miller, Ruth D., US Department of Energy, \$36,945, "Wind Turbine Data SystemsSupport."

Miller, Ruth D., Carter, David A. (Kansas Industrial Extension Services), Erickson, Larry E. (Chemical Engineering), Hohn, Keith L. (Chemical Engineering), Snead, Bruce C. (Kansas Industrial Extension Services), and Snyder, Kristina E. (Kansas Industrial Extension Services), US Department of State, "Summer Institute on Environmental Stewardship."

**Mirafzal, Behrooz,** National Science Foundation, \$400,000, "CAREER: Toward Grid-Interactive Converters with Diagnostic, Remedial, and Lifetime Prognostic Features for the Next Generation of Power Grids."

Natarajan, Balasubramaniam, Barstow, Thomas J. (Kinesiology OLD), Day, Dwight D., Gruenbacher, Don M., Kuhn, William B., Sobering, Timothy J. (Vice President Electronics Design Laboratory), and Warren, Steven, Kansas Board of Regents, "Biosensor Networks and Telecommunication Subsystems for Long-duration Missions, EVA Suits, and Robotic Precursor Scout Missions."

Natarajan, Balasubramaniam, Barstow, Thomas J. (Kinesiology OLD), Day, Dwight D., Gruenbacher, Don M., Kuhn, William B., Sobering, Timothy J. (Vice President Electronics Design Laboratory), and Warren, Steven, National Aeronautics and Space Administration, "Developing BioSensor Networks and Telecommunication Sub-systems for Long-duration Missions, EVA Suits, and Robotic Precursor Scout Missions - Coordinated Research Spanning Early-stage Innovations through Game Changing Technologies."

**Pahwa, Anil,** and **Erickson, Larry E.** (Center for Hazardous Substance Research), Black & Veatch Corporation, \$20,000, "Building a World of Difference with Solar Powered Charge Stations for Electric Vehicles."

**Pahwa, Anil,** National Science Foundation, \$31,927, "Workshop on CPS Education with Emphasis on the Power Grid."

**Prakash, Punit, Bossmann, Stefan** (Chemistry), **Narayanan, Sanjeevkumar** (Diagnostic Medicine/Pathobiology), and **Troyer, Deryl L.** (Anatomy and Physiology), National Science Foundation, \$180,235, "MRI: Development of an Integrated Image-guided Thermal Therapy Platform."

**Prakash, Punit,** Novian Health, Inc., \$14,749, "Theoretical Modeling of the Novilase Interstitial Laser Therapy System for Treatment of Breast Tumors."

Schulz, Noel N., and Gruenbacher, Don M., Kansas State University Foundation, \$111,621, "Power Affiliates."

Schulz, Noel N., Andresen, Daniel A. (Computing and Information Sciences), Brown, Susan
J. (Biology), Caragea, Doina (Computing and Information Sciences), Gruenbacher, Don
M., Hutchinson, J. M. Shawn (Geography), Scoglio, Caterina M., and Vasserman,
Eugene (Computing and InformationSciences), National Science Foundation, \$149,734, "CC-NIE
Network Infrastructure: KGAP: Bridging the Gap on Network Flexibility and Performance for
Genomics and Data-Intensive Research at Kansas State University."

Scoglio, Caterina M., Andresen, Daniel A. (Computing and Information Sciences), Brown, Susan J. (Biology), Caragea, Doina (Computing and Information Sciences), Gruenbacher, Don
M., Hutchinson, J. M. Shawn (Geography), Schulz, Noel N., and Vasserman, Eugene (Computing and Information Sciences), National Science Foundation, "CC-NIE Network Infrastructure: KGAP: Bridging the Gap on Network Flexibility and Performance for Genomics and Data-Intensive Research at Kansas State University."

**Scoglio, Caterina M.,** US Department of Agriculture, \$5,000, "Network Based Modeling of Arthropods, Humans, and Animals to Better Understand Vector-Borne Disease Transmission."

Warren, Steven, Barstow, Thomas J. (Kinesiology OLD), Day, Dwight D., Gruenbacher, Don M., Kuhn, William B., Natarajan, Balasubramaniam, and Sobering, Timothy J. (Vice President Electronics Design Laboratory), Kansas Board of Regents, "Biosensor Networks and Telecommunication Subsystems for Long-duration Missions, EVA Suits, and Robotic Precursor Scout Missions."

Warren, Steven, Barstow, Thomas J. (Kinesiology OLD), Day, Dwight D., Gruenbacher, Don M., Kuhn, William B., Natarajan, Balasubramaniam, and Sobering, Timothy J. (Vice President Electronics Design Laboratory), NationalAeronautics and Space Administration, "Developing BioSensor Networks and Telecommunication Sub-systems for Long-duration Missions, EVA Suits, and Robotic Precursor Scout Missions - Coordinated Research Spanning Early-stage Innovations through Game Changing Technologies."

**Warren, Steven, Barstow, Thomas J.** (Kinesiology OLD), and **Schinstock, Dale E.** (Mechanical and Nuclear Engineering), National Aeronautics and Space Administration, \$72,929, "Standardized "Pre-flight" Exercise Tests to Predict Performance during Extravehicular Activities in a Lunar Environment."

Warren, Steven, Chalin, Patrice (Computing and Information Sciences), and Hatcliff, John M. (Computing and Information Sciences), National Science Foundation, \$16,000, "FDA SIR: Risk Assessment Techniques for Apps and Devices Within Interoperable Medical Frameworks."

Warren, Steven, Andresen, Daniel A. (Computing and Information Sciences), Hatcliff, John M. (Computing and Information Sciences), Ranganath, Venkatesh (Computing and Information Sciences), Robby, - (Computing and Information Sciences), and Vasserman, Eugene (Computing and Information Sciences), US Department of Health and Human Services, \$15,000, "Development of a Prototype Healthcare Intranet for Improved Health Outcomes."

# INDUSTRIAL AND MANUFACTURING SYSTEMS ENGINEERING

**Ben-Arieh, David H., Chang, Shing I.**, and **Rys, Malgorzata J.**, US Department of Veterans Affairs, "Enhancing our Virtual Learning Environment."

**Ben-Arieh, David H.,** US Department of Veterans Affairs, \$85,961, "Telemental Health Appointment Optimization."

**Chang, Shing I., Ben-Arieh, David H.**, and **Rys, Malgorzata J.**, US Department of Veterans Affairs, \$68,577, "Enhancing our Virtual Learning Environment."

**Easton, Todd W.,** Navajo Nation Oil and Gas Company, \$30,000, "Optimizing Energy Planning for Navajo Nation Oil and Gas Company."

**Easton, Todd W.,** U.S. Stone Industries, LLC, \$7,500, "Agreement Between US Stone Industries LLC and Kansas State University."

**Heier Stamm, Jessica L., Caldas, Marcellus M.** (Geography), **Daniels,Melinda** (Geography), and **Sheshukov, Aleksey Y.** (Biological and Agricultural Engineering), National Science Foundation, \$116,000, "CNH: Coupled Climate, Cultivation, and Culture in the Great Plains: Understanding Water Supply and Water Quality in a Fragile Landscape."

**Kramer, Bradley A.,** and **Tucker, Jeffrey W.** (Advanced Manufacturing Institute), Kansas State University Olathe, "Kansas State University Olathe Innovation Accelerator University Center Program Grant Matching Funds."

**Kramer, Bradley A.,** National Science Foundation, \$21,000, "Workshop/Collaborative Research: 2014 NSF CAREER Proposal Writing Workshop."

Lei, Shuting, National Science Foundation, \$5,000, "Defect Free and Robust Microstructuring Using Femtosecond Axicon-lens-focused Beam (FAB) with Application Focus in Thin Film Solar Cell Manufacturing."

Lei, Shuting, US Department of Defense, \$15,000, "FEM Simulation of the Dynamic Heating Process in Laser Assisted Machining."

**Pei, Zhijian,** National Science Foundation, \$554,141, "National Science Foundation - Intergovernmental Personnel Act."

# **Rys, Malgorzata J., Ben-Arieh, David H.**, and **Chang, Shing I.**, US Department of Veterans Affairs, "Enhancing our Virtual Learning Environment."

# INSTITUTE FOR ENVIRONMENTAL RESEARCH

**McCullough, Elizabeth A.,** Battelle Memorial Institute, \$24,600, "The Effect of Environmental and Storage Conditions on the Insulation Provided by PCU Jackets."

# KANSAS INDUSTRIAL EXTENSION SERVICES

**Carter, David A., Erickson, Larry E.** (Chemical Engineering), **Hohn, Keith L.** (Chemical Engineering), **Miller, Ruth D.** (Electrical and Computer Engineering), **Snead, Bruce C.**, and **Snyder, Kristina E.**, US Department of State, "Summer Institute on Environmental Stewardship."

**Carter, David A.,** and **Snyder, Kristina E.**, US Department of State, \$153,454, "Summer Institute on Environmental Stewardship - FY2014."

**Carter, David A.,** and **Larson, Nancy J.**, US Environmental Protection Agency, "Intern Programs Partner to Reassess P2 Implementation and Study Related Motivating Drivers."

**Goode, Barbara L.,** US Environmental Protection Agency, \$18,529, "Environmental Sustainability for the Salina, Kansas Community Level II."

Hamel, Ryan J., and Larson, Nancy J., US Department of Agriculture, \$40,000, "Food Recovery Challenge Meets Rural Kansas."

Hanson, Brian R., and Snead, Bruce C., US Environmental Protection Agency, "National Radon Program Services."

Hanson, Brian R., and Snead, Bruce C., US Environmental Protection Agency, "Radon Projects for Kansas."

Larson, Nancy J., Kansas Health Foundation, \$25,000, "The Proper Place for Pharmacy Waste."

Larson, Nancy J., Multi-Sponsor, \$768, "KINEX Multi-Sponsor."

Larson, Nancy J., and Hamel, Ryan J., US Department of Agriculture, "Food Recovery Challenge Meets Rural Kansas."

Larson, Nancy J., US Department of Agriculture, \$5,670, "Product Stewardship Institute, Inc.."

Larson, Nancy J., and Carter, David A., US Environmental Protection Agency, \$53,165, "Intern Programs Partner to Reassess P2 Implementation and Study Related Motivating Drivers."

Snead, Bruce C., Carter, David A., Erickson, Larry E. (Chemical Engineering), Hohn, Keith
L. (Chemical Engineering), Miller, Ruth D. (Electrical and Computer Engineering), and Snyder,
Kristina E., US Department of State, "Summer Institute on Environmental Stewardship."

**Snead, Bruce C.,** and **Hanson, Brian R.**, US Environmental Protection Agency, \$150,000, "National Radon Program Services."

**Snead, Bruce C.,** and **Hanson, Brian R.**, US Environmental Protection Agency, \$192,000 (includes \$68,000 from Contractual / In Kind Costs), "Radon Projects for Kansas."

**Snead, Bruce C.,** US Environmental Protection Agency, \$2,900, "Radon-Kit Project for KS Schools."

**Snead, Bruce C.,** US Environmental Protection Agency, \$9,000 (includes \$4,000 from Engineering Dept.), "Training for the Nebraska State Radon Program 2013-14."

Snyder, Kristina E., Carter, David A., Erickson, Larry E. (Chemical Engineering), Hohn, Keith
L. (Chemical Engineering), Miller, Ruth D. (Electrical and Computer Engineering), and Snead,
Bruce C., US Department of State, \$199,024, "Summer Institute on Environmental Stewardship."

**Snyder, Kristina E.,** and **Carter, David A.**, US Department of State, "Summer Institute on Environmental Stewardship - FY2014."

# MECHANICAL AND NUCLEAR ENGINEERING

**Bellinger, Steven L., McGregor, Douglas S.**, and **Shultis, J. Kenneth**, US Department of Defense, "Advanced Trenched Structure for Solid-State Neutron Detectors."

**Betz, Amy R.,** and **Derby, Melanie M.**, National Science Foundation, \$78,832, "EAGER: Control and Mitigation of Frost Formation using Mixed Hydrophilic and Hydrophobic Surfaces."

**Derby, Melanie M.,** and **Betz, Amy R.**, National Science Foundation, "EAGER: Control and Mitigation of Frost Formation using Mixed Hydrophilic and Hydrophobic Surfaces."

**Geuther, Jeffrey A.,** Sandia National Laboratories, \$47,024, "Voluntary Security Enhancements for the Research and Test Reactor at Kansas State University."

**Geuther, Jeffrey A.,** US Department of Energy, \$57,890, "Reactor Cooling System Upgrades at Kansas State University TRIGA Reactor."

**Geuther, Jeffrey A.,** and **Edgar, James H.** (Chemical Engineering), US Department of Homeland Security, \$76,204, "ARI-MA: Collaborative Research: Hexagonal Boron Nitride Based Neutron Detectors."

**Hosni, Mohammad H.,** US Department of Defense, \$10,000, "University Engineering Alliance Summit."

Lease, Kevin B., National Aeronautics and Space Administration, \$25,000, "Cure Management for Bonded Composite Repair."

**McGregor, Douglas S.,** Schlumberger Technology Corporation, \$50,000, "SIC Materials for Neutron Detectors."

**McGregor, Douglas S., Bellinger, Steven L.**, and **Shultis, J. Kenneth**, US Department of Defense, \$368,705, "Advanced Trenched Structure for Solid-State Neutron Detectors."

**McGregor, Douglas S.,** US Department of Defense, \$384,007, "Replacement Technology for 3He-Gas Filled Neutron Detectors."

**McGregor, Douglas S.,** and **Shultis, J. Kenneth**, US Department of Defense, \$307,175, "Wearable Detection Device (WDD) - Low Visibility Gamma Neutron Sensor."

**McGregor, Douglas S.,** and **Shultis, J. Kenneth**, US Department of Energy, \$75,000, "Technical Assistance on Compact Fission Chamber Development."

McGregor, Douglas S., US Navy, \$102,038, "High Efficiency Solid State Neutron Detector."

**Schinstock, Dale E., Barstow, Thomas J.** (Kinesiology OLD), and **Warren, Steven** (Electrical and Computer Engineering), National Aeronautics and Space Administration, \$48,619, "Standardized "Pre-flight" Exercise Tests to Predict Performance during Extravehicular Activities in a Lunar Environment."

Shultis, J. Kenneth, Bellinger, Steven L., and McGregor, Douglas S., US Department of Defense, "Advanced Trenched Structure for Solid-State Neutron Detectors."

Shultis, J. Kenneth, and McGregor, Douglas S., US Department of Defense, "Wearable Detection Device (WDD) - Low Visibility Gamma Neutron Sensor."

Shultis, J. Kenneth, and McGregor, Douglas S., US Department of Energy, "Technical Assistance on Compact Fission Chamber Development."

**Singh, Gurpreet,** National Science Foundation, \$268,202, "Investigating the Structure and Thermal Damage Resistance of Molecular Precursor Derived Ceramics for High Power Laser Radiometery."

**Spaulding, Gregory L., Miller, Ruth D.** (Electrical and Computer Engineering), and **Wang, Youqi**, National Renewable Energy Laboratory, "Kansas State University Wind Turbine Design Team."

**Wang, Youqi,** National Aeronautics and Space Administration, \$43,000, "Stress Prediction for 3D Woven Preforms and Composites."

**Wang, Youqi, Miller, Ruth D.** (Electrical and Computer Engineering), and **Spaulding, Gregory L.**, National Renewable Energy Laboratory, \$4,239, "Kansas State University Wind Turbine Design Team."

**Wang, Youqi,** Textile Engineering and Manufacturing, Inc., \$50,000, "3D Woven Preform Design Code Simulation and Development."

**Wang, Youqi,** US Department of Defense, \$250,000, "Ballistic Strength and Optimal Design of Single and Multi-Layer 3-D Fabrics."

# NATIONAL GAS MACHINERY LABORATORY

**Jones, Byron W.,** and **Keen, Julia A.** (Architectural Engineering and Construction Science), Am. Soc. Heating, Refrigerating & Air-Cond Engineers, Inc., \$37,730, "Role of HVAC Systems in the Transmission of Infectious Agents in Buildings and Intermodal Transportation."

# **COLLEGE OF HUMAN ECOLOGY**

# APPAREL, TEXTILES, AND INTERIOR DESIGN

**Kaup, Migette L.,** and **Doll, Gayle** (Dean of Human Ecology), US Department of Health and Human Services, "PEAK 2.0 Evaluation."

# **DEAN OF HUMAN ECOLOGY**

**Buckwalter, John,** Great Plains IDEA Alliance, \$270,016, "Comprehensive Fiscal Sponsorship Agreement - Great Plains Interactive Distance Education Alliance."

**Buckwalter, John,** and **Olsen, Charlotte S.** (School of Family Studies and Human Services), US Department of Health and Human Services, "Kansas Bridges to the Future."

**Doll, Gayle,** and **Kaup, Migette L.** (Apparel, Textiles, and Interior Design), US Department of Health and Human Services, \$179,270 (includes \$19,832 from In-Kind Support), "PEAK 2.0 Evaluation."

Moxley, Virginia M., AG\*IDEA, \$42,271, "AG\*IDEA Lead Institute."

# HOSPITALITY MANAGEMENT AND DIETETICS

**Kwon, Junehee,** J. Willard and Alice S. Marriott Foundation, \$8,000, "Exploration and Improvement of Hospitality Undergraduate Students' Attitudes and Perceptions toward Hospitality Careers in China (Han Wen)."

**Kwon, Junehee,** Retired Army Medical Specialist Corps Assoc., Inc., \$1,991, "Feasibility and Effectiveness of Healthy Menu Changes for Non-trainee Military Dining Facilities (Bethany Deschamps)."

**Kwon, Junehee, Aramouni, Fadi M.** (Animal Sciences and Industry), **Roberts, Kevin R.**, **Sauer, Kevin L.**, **Shanklin, Carol W.** (Dean of Graduate School), and **Sneed, Jeannie**, US Department of Agriculture, "Continuation of the Center of Excellence for Food Safety Research in Child Nutrition Programs."

**Roberts, Kevin R., Aramouni, Fadi M.** (Animal Sciences and Industry), **Kwon, Junehee, Sauer, Kevin L., Shanklin, Carol W.** (Dean of Graduate School), and **Sneed, Jeannie**, US Department of Agriculture, \$800,000, "Continuation of the Center of Excellence for Food Safety Research in Child Nutrition Programs."

Sauer, Kevin L., Aramouni, Fadi M. (Animal Sciences and Industry), Kwon, Junehee, Roberts, Kevin R., Shanklin, Carol W. (Dean of Graduate School), and Sneed, Jeannie, US Department of Agriculture, "Continuation of the Center of Excellence for Food Safety Research in Child Nutrition Programs."

**Sauer, Kevin L.,** US Department of Agriculture, \$17,651, "Mitigating Risks of Foodborne Illness Associated with Handling Leafy Greens in Retail Foodservice Establishments Serving Aging Populations."

**Sneed, Jeannie, Aramouni, Fadi M.** (Animal Sciences and Industry), **Kwon, Junehee, Roberts, Kevin R.**, **Sauer, Kevin L.**, and **Shanklin, Carol W.** (Dean of Graduate School), US Department of Agriculture, "Continuation of the Center of Excellence for Food Safety Research in Child Nutrition Programs."

# HUMAN NUTRITION

Adhikari, Koushik, and Olson, Valerie R., Kansas State University Foundation, \$1,230, "Descriptive Analysis of Oat-Fed Beef for a Local Kansas Beef Cattle Farmer."

Adhikari, Koushik, Kidd, Tandalayo, and Muturi, Nancy W. (School of Journalism and Mass Communications), US Department of Agriculture, "Community-Based Participatory Research (CBPR) Model in Preventing Overweight and Obesity Among 6th-8th Grade Youth in Low-Income Racial/Ethnic Communities."

**Chambers IV, Edgar,** and **Garcia, Jane M.** (School of Family Studies and Human Services), Kansas State University Foundation, "Quality of Life Considerations: Striving for Best Practices with Thickened Beverages in Nutrition Care of Older Adults (Courtney Chacon)."

**Chambers IV, Edgar,** and **Chambers, Delores H.**, US Department of Agriculture, \$103,787, "Development and Evaluation of Science-Based Messages to Improve Consumers' Storage, Handling, and Preparation of Poultry and Poultry Products."

**Chambers IV, Edgar,** and **Park, Sunghun** (Horticulture, Forestry and Recreation Resources), US Department of Agriculture, \$2,830, "Development of Calcium-Enhanced Lettuce."

**Chambers IV, Edgar, Chambers, Delores H.**, and **Koppel, Kadri**, World Coffee Research, \$100,000, "SensCAFE (SENSory Coffee Analysis Flavor Evaluation)."

**Chambers, Delores H.,** and **Chambers IV, Edgar**, US Department of Agriculture, "Development and Evaluation of Science-Based Messages to Improve Consumers' Storage, Handling, and Preparation of Poultry and Poultry Products."

**Chambers, Delores H., Chambers IV, Edgar**, and **Koppel, Kadri**, World Coffee Research, "SensCAFE (SENSory Coffee Analysis Flavor Evaluation)."

Haub, Mark D., Isagenix International, LLC, \$6,125, "Determining the Impact of Meal Replacement Products on Human Blood Glucose Levels."

Haub, Mark D., Penford Food Ingredients Co., \$23,850, "Resistant Starch on Glucose Metabolism, Insulin, and Gut Fermentation."

**Higgins, Mary L., Bhadriraju, Subramanyam** (Grain Science and Industry), **Lilja, Nina** (International Agricultural Programs), **Maier, Dirk E.** (Grain Science and Industry), and **Washburn, Shannon G.** (Communications), US Agency for International Development, \$473,742 (includes \$29,975 from Oklahoma State University, \$221,099 from University of Illinois-UC, and \$35,168 from University of Nebraska-Lincoln), "Feed the Future Innovation Lab for the Reduction of Post-Harvest Loss." **Kidd, Tandalayo, Adhikari, Koushik**, and **Muturi, Nancy W.** (School of Journalism and Mass Communications), US Department of Agriculture, \$456,810, "Community-Based Participatory Research (CBPR) Model in Preventing Overweight and Obesity Among 6th-8th Grade Youth in Low-Income Racial/Ethnic Communities."

**Koppel, Kadri,** and **Chambers IV, Edgar**, Kansas State University Foundation, \$5,001, "Beef Study in Texas A&M and SAC."

**Koppel, Kadri, Alavi, Sajid** (Grain Science and Industry), **Aldrich, Greg** (Grain Science and Industry), **Churchill, Frances** (Grain Science and Industry), **Hancock, Joe D.**(Animal Sciences and Industry), **Jones, Cassandra K.** (Grain Science and Industry), and **Miller, Christopher L.** (Grain Science and Industry), The United Sorghum Checkoff Program Board, \$20,349, "Introducting New Profit Streams for Grain Sorghum: Milling Characteristics and Inclusion Considerations for Use in Pet Foods."

**Koppel, Kadri, Chambers IV, Edgar**, and **Chambers, Delores H.**, World Coffee Research, "SensCAFE (SENSory Coffee Analysis Flavor Evaluation)."

**Melgarejo, L Tonatiuh,** Nestlé Purina PetCare Global Resources, Inc., \$165,625, "Advancing Feline Oral Health."

**Mendoza, Bertha,** Kansas Department for Children and Families, \$3,430, "Incredible Years Facilitation."

**Olson, Valerie R.,** and **Adhikari, Koushik**, Kansas State University Foundation, "Descriptive Analysis of Oat-Fed Beef for a Local Kansas Beef Cattle Farmer."

**Procter, Sandra B., Kahl, Daniel W.** (Agriculture and Natural Resources), **Peterson, Hikaru H.** (Agricultural Economics), and **Procter, David E.** (Center for Engagement and Community Development), US Department of Agriculture, \$64,937, "Increasing Healthful Food Choice and Strengthening Rural Grocery Stores through Nutritional Education and Labeling."

**Procter, Sandra B.,** and **Peters, Paula** (Director of Cooperative Extension), US Department of Agriculture, "Kansas Food Assistance Nutrition Education Plan."

**Rosenkranz, Richard R., Dzewaltowski, David A.** (Kinesiology), and **Rosenkranz, Sara**, Kansas Health Foundation, \$78,804, "Girl Scouts Wellness Policy to Practice."

**Rosenkranz, Sara, Dzewaltowski, David A.** (Kinesiology), and **Rosenkranz, Richard R.**, Kansas Health Foundation, "Girl Scouts Wellness Policy to Practice."

## KINESIOLOGY

**Barstow, Thomas J., Ade, Carl** (Kinesiology OLD), and **Gadbury, Gary L.** (Statistics), National Aeronautics and Space Administration, \$100,000, "Determining the Effect of Space Flight on the Incidence of Cardiovascular Risk Factors and Disease."

**Barstow, Thomas J.,** National Aeronautics and Space Administration, \$5,000, "Physiological Responses During Simulated Partial-Gravity Ambulation (Ryan Broxterman)."

**Dzewaltowski, David A., Rosenkranz, Richard R.** (Human Nutrition), and **Rosenkranz, Sara** (Human Nutrition), Kansas Health Foundation, \$19,701, "Girl Scouts Wellness Policy to Practice."

**Musch, Timothy I.,** and **Poole, David C.** (Anatomy and Physiology), American Physiological Society, "2014 Undergraduate Summer Research Fellowship for Angela Glean."

**Poole, David C.,** and **Musch, Timothy I.**, American Physiological Society, \$165, "2014 Undergraduate Summer Research Fellowship for Angela Glean."

#### SCHOOL OF FAMILY STUDIES AND HUMAN SERVICES

Anderson, Jared R., Durtschi, Jared A., and Stith, Sandra M., US Department of Agriculture, "KSU/USAF 2013 FAP Research Project."

Britt, Sonya L., Crawford Jr, Duane W. (Dean of Graduate School), Kaus, Jodi L. (Student Financial Assistance), Robb, Clifford A., and Shanklin, Carol W. (Dean of Graduate School), Council of Graduate Schools, "Enhancing Student Financial Education at Kansas State University."

**DeLuccie, Mary L.,** US Department of Agriculture, \$6,166, "Federal Aid in Support of the Child and Adult Care Food Program."

**Durtschi, Jared A., Anderson, Jared R.**, and **Stith, Sandra M.**, US Department of Agriculture, "KSU/USAF 2013 FAP Research Project."

**Garcia, Jane M.,** and **Chambers IV, Edgar** (Human Nutrition), Kansas State University Foundation, \$5,000, "Quality of Life Considerations: Striving for Best Practices with Thickened Beverages in Nutrition Care of Older Adults (Courtney Chacon)."

**Griffin, Charles L.,** and **Jager, Shanna K.**, Kansas Department for Children and Families, \$500,000, "Technical Support for DCF Strategic Development, Faith-based and Community Initiatives."

Hadley, Gregg L., Buhler, Forrest A. (Agriculture and Natural Resources), and Henton, Charlene M. (Agriculture and Natural Resources), US Department of Agriculture, "Planning Successful Farm and Ranch Successions."

Jager, Shanna K., and Griffin, Charles L., Kansas Department for Children and Families, "Technical Support for DCF Strategic Development, Faith-based and Community Initiatives."

Johannes, Elaine M., Kansas Department of Health and Environment, \$53,709, "Kansas Adolescent Health Needs Assessment and Strategic Plan Pilot Project."

Johannes, Elaine M., US Department of Defense, \$83,650, "Kansas 2014 Operation: Military Kids (OMK)."

**Kiss, D. Elizabeth,** and **Riportella, Roberta**, US Department of Agriculture, "Multistate Extension Education and Outreach Project on the Marketplace Exchange of the Affordable Care Act."

**O'Conner, Nancy T.,** and **Vennum, Amber V.**, Greater Manhattan Community Foundation, "Adaptation of Working on What Works to a High School Context."

**Olsen, Charlotte S.,** and **Buckwalter, John** (Dean of Human Ecology), US Department of Health and Human Services, \$217,831, "Kansas Bridges to the Future."

**Riportella, Roberta,** and **Kiss, D. Elizabeth**, US Department of Agriculture, \$90,000, "Multistate Extension Education and Outreach Project on the Marketplace Exchange of the Affordable Care Act."

**Robb, Clifford A., Britt, Sonya L., Crawford Jr, Duane W.** (Dean of Graduate School), **Kaus, Jodi L.** (Student Financial Assistance), and **Shanklin, Carol W.** (Dean of Graduate School), Council of Graduate Schools, "Enhancing Student Financial Education at Kansas State University."

Schumm, Walter R., Witherspoon Institute, \$22,683, "Secondary Analysis of Data Related to Same-Sex Couples or Parents."

Stith, Sandra M., Anderson, Jared R., and Durtschi, Jared A., USDepartment of Agriculture, \$1,215,350, "KSU/USAF 2013 FAP Research Project."

**Vennum, Amber V.,** and **O'Conner, Nancy T.**, Greater Manhattan Community Foundation, \$3,000, "Adaptation of Working on What Works to a High School Context."

**VerBrugge (Glasscock), Marlene K.,** US Department of Agriculture, \$454,545, "4-H Military Partnerships: 4-H Army Youth Development Project."

**VerBrugge (Glasscock), Marlene K.,** US Department of Agriculture, \$1,636,364, "Air Force/4-H Military Partnership and Outreach and Support."

**VerBrugge (Glasscock), Marlene K., US** Department of Agriculture, \$543,731, "Children, Youth, and Families At-Risk 4-H Military Partnership Project."

**VerBrugge (Glasscock), Marlene K.,** US Department of Agriculture, \$500,000, "DoD-USDA Partnership: Child Youth Deployment Support Project."

**VerBrugge (Glasscock), Marlene K.,** US Department of Defense, \$650,000, "Hired! Program Stipend - Child, Youth and School Services Army Youth-Development Projects."

**VerBrugge (Glasscock), Marlene K.,** US Department of Defense, \$1,027,273, "Navy/4-H Military Partnership and Outreach and Support."

**VerBrugge (Glasscock), Marlene K.,** US Department of Defense, \$28,218, "Operation: Military Kids (OMK) Bridge Contract."

**Wiles, Bradford B., Bolton, Debra** (Southwest Area Office), and **Leatherman, John C.** (Agricultural Economics), US Department of Health and Human Services, "Behavioral Health Information Pilot Communities: Kansas State University and Finney County Community Health Coalition."

# **COLLEGE OF VETERINARY MEDICINE**

# ANATOMY AND PHYSIOLOGY

Anji, Antje, and Kumari, Meena, US Department of Health and Human Services, "Ethanol-Induced NMDA R1 mRNA Stabilization."

**Blecha, Frank, Rowland, Raymond R. R.** (Diagnostic Medicine/Pathobiology), and **Sang, Yongming**, US Department of Agriculture, "Antiviral Regulation Underlying the Activation Status of Porcine Monocytic Innate Immune Cells."

Blecha, Frank, Richardson, Ralph C. (Dean of Veterinary Medical Center), and Shi, Jishu N., Zoetis LLC, "International Veterinary Collaboration for China DVM Program."

**Fong, Peying,** US Department of Health and Human Services, \$285,000, "CFTR Regulation of Thyroid Transport."

**Gehring, Ronette, Apley, Michael D.** (Clinical Sciences), and **DeDonder, Keith D.** (Diagnostic Medicine/Pathobiology), Merial Limited, "A Pharmacokinetic/Pharmacodynamic Investigation of Gamithromysin in the Treatment of Naturally Occurring Bovine Respiratory Disease in Feedlot Cattle Comparing Minimal Inhibitory Concentration and Concentration-time Kill Curve Techniques."

Gehring, Ronette, Apley, Michael D. (Clinical Sciences), Kukanich, Stanley P., and Riviere, Jim, US Department of Agriculture, "Food Animal Residue Avoidance Databank (FARAD)."

**Kenney, Michael J., Davis, Elizabeth G.** (Clinical Sciences), and **Nguyen, Thu A.** (Diagnostic Medicine/Pathobiology), Merial Limited, \$5,280, "2014 Merial Veterinary Research Scholars Program."

**Kenney, Michael J.,** US Department of Health and Human Services, \$36,688, "BRITE Veterinary Student Program."

**Kenney, Michael J., Davis, Elizabeth G.** (Clinical Sciences), and **Nguyen, Thu A.** (Diagnostic Medicine/Pathobiology), US Department of Health and Human Services, \$17,142, "Short Term Training in Health Professional Schools."

**Kenney, Michael J.,** US Department of Health and Human Services, \$598,619, "Sympathetic Neural Regulation and Aging: Medullary Mechanisms and Strategies."

Kukanich, Stanley P., Apley, Michael D. (Clinical Sciences), Gehring, Ronette, and Riviere, Jim, US Department of Agriculture, "Food Animal Residue Avoidance Databank (FARAD)."

**Kumari, Meena,** and **Anji, Antje**, US Department of Health and Human Services, \$34,800, "Ethanol-Induced NMDA R1 mRNA Stabilization."

Marcus, Daniel C., and Wangemann, A. Philine, US Department of Health and Human Services, "Fluid Transport in Inner Ear Development."

**Monteiro-Riviere, Nancy A.,** Mars, Inc., \$225,404, "Alternative Methods for Ingredient Evaluation."

**Musch, Timothy I.,** and **Poole, David C.** (Kinesiology), American Physiological Society, "2014 Undergraduate Summer Research Fellowship for Angela Glean."

**Poole, David C.,** and **Musch, Timothy I.** (Kinesiology), American Physiological Society, \$335, "2014 Undergraduate Summer Research Fellowship for Angela Glean."

**Riviere, Jim, Apley, Michael D.** (Clinical Sciences), **Gehring, Ronette**, and **Kukanich, Stanley P.**, US Department of Agriculture, \$263,076, "Food Animal Residue Avoidance Databank (FARAD)."

**Sang, Yongming, Blecha, Frank**, and **Rowland, Raymond R. R.** (Diagnostic Medicine/Pathobiology), US Department of Agriculture, \$499,436, "Antiviral Regulation Underlying the Activation Status of Porcine Monocytic Innate Immune Cells."

**Shi, Jishu N.,** Biomune Company, \$41,236, "Efficacy Evaluation of Ceva Fowlpox-MG Vaccine for Protection Against MG in Chicken at 16 Weeks after Vaccination."

Shi, Jishu N., Blecha, Frank, and Richardson, Ralph C. (Dean of Veterinary Medical Center), Zoetis LLC, "International Veterinary Collaboration for China DVM Program."

**Tamura, Masaaki,** US Department of Health and Human Services, \$49,994, "Novel Nontoxic Peptide Nanoparticle-based Targeted Gene Therapy for Lung Cancer."

**Troyer, Deryl L.,** and **Bossmann, Stefan** (Chemistry), Kansas Board of Regents, \$60,000, "Detection of Early (Subclinical) Mastitis in Dairy Cows to Improve Milk Production."

**Troyer, Deryl L.,** Kansas State University Foundation, \$100,000, "Detection & Targeted Therapy of Cancer."

**Troyer, Deryl L.,** and **Bossmann, Stefan** (Chemistry), Kansas State University Research Foundation, \$75,000, "Protease Assays."

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**Vanlandingham, Dana L.,** and **Higgs, Stephen** (Biosecurity Research Institute), US Department of Health and Human Services, \$1,042, "WEEV Vaccine Development."

**Wilkerson, Melinda,** and **Ewen, Catherine L.**, National Pork Board, \$97,675, "The Contribution of Adaptive Immunity to Porcine Reproduction and Respiratory Syndrom Virus Infection."

Wilkerson, Melinda, Bello, Nora M. (Statistics), Davis, Elizabeth G. (Clinical Sciences), Delph, Katherine M. (Veterinary Medical Teaching Hospital), Ewen, Catherine L., and Pohlman, Lisa M., Zoetis LLC, "Research Protocol Agreement: Evaluation of Immunologic Response following Oral Vaccination with a USDA-approved, Attenuated, Live, Streptococcus Equi Vaccine."

**Zhang, Weiping,** Program for Appropriate Technology in Health (PATH), \$194,379, "A Toxoid Vaccine Against Heat-Stable Enterotoxin of E. Coli."

**Zhang, Weiping,** and **Fang, Ying**, US Department of Agriculture, "Innovative Strategies to Enhance PRRSV Specific Innate and Mucosal Immunity: Implication for Development of Broadly Protective PRRS Vaccine."

**Zhang, Weiping,** US Department of Health and Human Services, \$170,376, "A Broadly Protective Vaccine for Enterotoxigenic Escherichia Coli (ETEC)."

**Zhang, Weiping,** US Department of Health and Human Services, \$412,500, "A Subunit Vaccine for Enterotoxigenic E. coli Associated Traveler's Diarrhea."

## VETERINARY DIAGNOSTIC LABORATORY

Anderson, Gary A., Pfizer, Inc., \$8,710, "Service Protocol Agreement: Evaluation of the 1 Year Duration of Immunity of the WNV Innovator VEWT + Rabies Vaccine - Rabies Challenge (Addendum to MSA Exhibit A-12)."

Anderson, Gary A., US Department of Agriculture, \$30,000, "NAHLN: KS."

Anderson, Gary A., US Department of Agriculture, \$11,417, "Swine Surveillance."

Lubbers, Brian, and Van Der Merwe, Deon (Diagnostic Medicine/Pathobiology), US Department of Health and Human Services, "KSVDL Vet-LRN Veterinary Diagnostic Laboratory Program."

# VETERINARY MEDICAL TEACHING HOSPITAL

Delph, Katherine M., Bello, Nora M. (Statistics), Davis, Elizabeth G. (Clinical Sciences), Ewen, Catherine L. (Diagnostic Medicine/Pathobiology), Pohlman, Lisa M.(Diagnostic Medicine/Pathobiology), and Wilkerson, Melinda (Diagnostic Medicine/Pathobiology), Zoetis LLC, "Research Protocol Agreement: Evaluation of Immunologic Response following Oral Vaccination with a USDA-approved, Attenuated, Live, Streptococcus Equi Vaccine."

Fingland, Roger B., Friends of the Sunset Zoo, \$2,000, "Sunset Zoo Internship Program."

# KANSAS COOPERATIVE EXTENSION SERVICE

# AGRICULTURE AND NATURAL RESOURCES

**Buhler, Forrest A., Hadley, Gregg L.**, and **Henton, Charlene M.**, US Department of Agriculture, "Planning Successful Farm and Ranch Successions."

Hadley, Gregg L., US Department of Agriculture, \$433,847, "Kansas Agricultural Mediation Service."

**Hadley, Gregg L.,** and **Ebert, Kerri L.** (Biological and Agricultural Engineering), US Department of Agriculture, \$32,750, "Kansas SARE - Kansas 2014 State PDP Chapter 3 Program."

**Hadley, Gregg L., Buhler, Forrest A.**, and **Henton, Charlene M.**, US Department of Agriculture, \$49,824, "Planning Successful Farm and Ranch Successions."

**Hadley, Gregg L.,** US Department of Agriculture, \$45,887, "Renewable Resources Extension Act Program (RREA Formula Funds)."

Henton, Charlene M., Buhler, Forrest A., and Hadley, Gregg L., US Department of Agriculture, "Planning Successful Farm and Ranch Successions."

Kahl, Daniel W., Peterson, Hikaru H. (Agricultural Economics), Procter, David E. (Center for Engagement and Community Development), and Procter, Sandra B. (Human Nutrition), US Department of Agriculture, "Increasing Healthful Food Choice and Strengthening Rural Grocery Stores through Nutritional Education and Labeling."

## AGRONOMY

**Eberle, William M., Presley, DeAnn R.**, and **Ruiz Diaz Suarez, Dorivar A.**, Kansas Department of Health and Environment, "Compost Site Development and Operation and Compost Operator Educational and Technical Assistance."

**Presley, DeAnn R., Eberle, William M.**, and **Ruiz Diaz Suarez, Dorivar A.**, Kansas Department of Health and Environment, \$21,677, "Compost Site Development and Operation and Compost Operator Educational and Technical Assistance."

**Ruiz Diaz Suarez, Dorivar A., Eberle, William M.**, and **Presley, DeAnn R.**, Kansas Department of Health and Environment, "Compost Site Development and Operation and Compost Operator Educational and Technical Assistance."

Shoup, Douglas E., Janssen, Keith A., and Thompson, Curtis R., Multi- Sponsor, "Field Herbicidal Evaluations."

# **COUNTY AGENTS - METROPOLITAN SECTOR**

Maass, Sarah E., and Stone, Barbara J. (Four-H Youth Development), Philips Electronics North America Corporation, "Magic of Electricity."

## DIRECTOR OF COOPERATIVE EXTENSION

**Lindquist, Jack W.,** and **Davis, Alvin N.**, Kansas Agriculture and Rural Leadership, Inc., \$222,964, "Kansas Agriculture and Rural Leadership, Inc.."

**Peters, Paula,** and **Floros, John D.** (Dean of Agriculture and Director of AES), University of Missouri, \$60,625, "Memorandum of Agreement."

**Peters, Paula,** and **Procter, Sandra B.** (Human Nutrition), US Department of Agriculture, "Kansas Food Assistance Nutrition Education Plan."

#### EXTENSION FAMILY AND CONSUMER SCIENCES

**Peters, Paula**, and **Procter, Sandra B.** (Human Nutrition), US Department of Agriculture, \$2,489,822, "Kansas Food Assistance Nutrition Education Plan."

## FOUR-H YOUTH DEVELOPMENT

**Keatley, Sarah L.,** and **Stone, Barbara J.**, National 4-H Council, "Challenging Kansas Youth to be the Solution to Feed the World Food Security."

Keatley, Sarah L., and Stone, Barbara J., National 4-H Council, \$7,500, "Kansas 4-H Commodity Carnival."

**Stone, Barbara J.,** and **Keatley, Sarah L.**, National 4-H Council, \$15,000, "Challenging Kansas Youth to be the Solution to Feed the World Food Security."

**Stone, Barbara J.,** and **Wiebers, Justin A.**, National 4-H Council, \$42,933, "Contract between Kansas State University and National 4-H Council (Contractor is Justin Wiebers)."

Stone, Barbara J., and Keatley, Sarah L., National 4-H Council, "Kansas 4-H Commodity Carnival."

**Stone, Barbara J.,** and **Maass, Sarah E.** (County Agents - Metropolitan Sector), Philips Electronics North America Corporation, \$15,000, "Magic of Electricity."

**Stone, Barbara J.,** US Department of Agriculture, \$145,000, "Empowering Kansas Youth to Improve Their Physical Health."

**Stone, Barbara J.,** US Department of Justice, \$82,000, "Kansas 4-H Tech Wizards: 4-H National Mentoring Program."

**Wiebers, Justin A.,** and **Stone, Barbara J.**, National 4-H Council, "Contract between Kansas State University and National 4-H Council (Contractor is Justin Wiebers)."

## KANSAS FOREST SERVICE

Atchison, Robert L., US Department of Agriculture, \$118,362, "NRCS Technical Service Provider."

**Beck, William J.,** and **Biles, Larry E.**, US Environmental Protection Agency, \$43,090, "Riparian Forest Management Technical Assistance and Coordination SFY14-SFY16."

**Biles, Larry E.,** Kansas Department of Agriculture, \$78,061, "Reparian Forest Buffer Restoration VII."

**Biles, Larry E.,** Kansas Department of Agriculture, \$50,977, "Riparian Forest Buffer Restoration V."

**Biles, Larry E.,** Kansas Department of Agriculture, \$17,172, "Riparian Forest Buffer Restoration VI."

**Biles, Larry E.,** Kansas Department of Agriculture, \$24,153, "Riparian Forest Buffer Restoration XIII."

Biles, Larry E., US Department of Agriculture, \$20,000, "2012 Forest Legacy Administration."

**Biles, Larry E.,** US Department of Agriculture, \$3,041,689 (includes \$1,077,455 from Kansas Rural Fire Districts), "2013 Consolidated Payment Grant."

Biles, Larry E., US Department of Agriculture, \$20,000, "2014 Forest Legacy Administration."

Biles, Larry E., US Department of Agriculture, \$29,162, "Conservation Reserve Program 2014."

**Biles, Larry E.,** and **Beck, William J.**, US Environmental Protection Agency, "Riparian Forest Management Technical Assistance and Coordination SFY14-SFY16."

## NORTHEAST AREA OFFICE

Duncan, Stewart R., Cotton, Inc., \$3,800, "Cotton Variety Performance Tests for Kansas."

**Duncan, Stewart R., Ciampitti, Ignacio** (Agronomy), **Haag, Lucas A.** (Northwest Area Office), **Peterson, Dallas E.** (Agronomy), and **Shoup, Douglas E.** (Southeast Area Office), Kansas Soybean Commission, "K-State Soybean Production Schools for Kansas."

Duncan, Stewart R., Multi-Sponsor, \$52,984, "Crop and Soils Multisponsor Programs."

## NORTHWEST AREA OFFICE

Haag, Lucas A., Adee, Eric A. (Agronomy), Ciampitti, Ignacio (Agronomy), Cramer, Gary L. (Agronomy), Golden, Bill B. (Agricultural Economics), Holman, Johnathon D. (Southwest

Research Extension Center), **Kisekka, Isaya** (Southwest Research Extension Center), **Kluitenberg, Gerard J.** (Agronomy), **Lamm, Freddie R.** (Northwest Research Extension Center), **O'Brien, Daniel M., Roozeboom, Kraig L.** (Agronomy), and **Schlegel, Alan J.** (Southwest Research Extension Center), Kansas Grain Sorghum Commission, "Comparison of Yield, Water Use, and Profitability of Grain Sorghum and Drought-Tolerant Corn in Dryland and Limited Irrigation Systems in Central Kansas."

Haag, Lucas A., Ciampitti, Ignacio (Agronomy), Duncan, Stewart R. (Northeast Area Office), Peterson, Dallas E. (Agronomy), and Shoup, Douglas E. (Southeast Area Office), Kansas Soybean Commission, "K-State Soybean Production Schools for Kansas."

**O'Brien, Daniel M.,** and **Lamm, Freddie R.** (Northwest Research Extension Center), Kansas Corn Commission, "Yield of Two Hybrid Maturities as Affected by Management Allowed Depletion Level."

O'Brien, Daniel M., Adee, Eric A. (Agronomy), Ciampitti, Ignacio (Agronomy), Cramer, Gary L. (Agronomy), Golden, Bill B. (Agricultural Economics), Haag, Lucas A., Holman, Johnathon D. (Southwest Research Extension Center), Kisekka, Isaya (Southwest Research Extension Center), Kluitenberg, Gerard J. (Agronomy), Lamm, Freddie R. (Northwest Research Extension Center), Roozeboom, Kraig L. (Agronomy), and Schlegel, Alan J. (Southwest Research Extension Center), Kansas Grain Sorghum Commission, "Comparison of Yield, Water Use, and Profitability of Grain Sorghum and Drought-Tolerant Corn in Dryland and Limited Irrigation Systems in Central Kansas."

Olson, Brian L., Multi-Sponsor, \$1,575, "Field Evaluaion for Various Industry Products."

#### SOUTHEAST AREA OFFICE

Farney, Jaymelynn, Multi-Sponsor, \$1,000, "Replacement Heifer Project - Multi-Sponsor Project."

Shoup, Douglas E., Adee, Eric A. (Agronomy), Nelson, Randall (Agronomy), and Ruiz Diaz Suarez, Dorivar A. (Agronomy), Kansas Soybean Commission, "Evaluation of Micronutrients for High Yield Soybean Production Using Small Plot and Strip Trial Research."

Shoup, Douglas E., Ciampitti, Ignacio (Agronomy), Duncan, Stewart R. (Northeast Area Office), Haag, Lucas A. (Northwest Area Office), and Peterson, Dallas E.(Agronomy), Kansas Soybean Commission, \$6,029, "K-State Soybean Production Schools for Kansas."

**Shoup, Douglas E.,** Multi-Sponsor, \$13,956, "Weed Science Research at Southeast Area Extension Office."

Shoup, Douglas E., Devlin, Daniel L. (Ks Ctr for Ag Rsrces & the Env / Ks Water Rsrce Rsrch Inst), Middendorf, Gerad D. (Sociology, Anthropology, and Social Work), Presley, DeAnn
R. (Agronomy), Rice, Charles W. (Agronomy), Ruiz Diaz Suarez, Dorivar
A. (Agronomy), Shroyer, James P. (Agronomy), Swamy, Aavudai
Anandhi(Agronomy), Tomlinson, Peter J. (Agronomy), and Waggoner, Justin (Southwest Area Office), US Department of Agriculture, \$21,277, "Resillence and Vulnerability of Beef Cattle Production in the Southern Great Plains under Changing Climate, Land Use and Markets."

# SOUTHWEST AREA OFFICE

**Aguilar, Jonathan P.,** Kansas Department of Agriculture, \$4,000, "Irrigation Water Probe Sensor Demonstration Project."

Aguilar, Jonathan P., Devlin, Daniel L. (Ks Ctr for Ag Rsrces & the Env / Ks Water Rsrce Rsrch Inst), Kisekka, Isaya (Southwest Research Extension Center), and Lin, Xiaomao (Agronomy), US Department of the Interior, "Kansas Water Resources Research Institute."

**Bolton, Debra, Leatherman, John C.** (Agricultural Economics), and **Wiles, Bradford B.** (School of Family Studies and Human Services), US Department of Health and Human Services, "Behavioral Health Information Pilot Communities: Kansas State University and Finney County Community Health Coalition."

**Dumler, Troy, Adee, Eric A.** (Agronomy), **Roozeboom, Kraig L.** (Agronomy), and **Schlegel, Alan J.** (Southwest Research Extension Center), Kansas Corn Commission, "Irrigation Management of Emerging Drought-Tolerant Corn Hybrids."

Martin, Kent L., Multi-Sponsor, \$7,000, "Chemical Evaluation."

Mendoza, Bertha, Kansas Department for Children and Families, "Incredible Years Facilitation."

**Waggoner, Justin, Jaeger, John R.** (Agricultural Research Center-Hays), **Olson, K C** (Animal Sciences and Industry), **Stevenson, Jeffrey S.** (Animal Sciences and Industry), and **Weaber, Robert L.** (Animal Sciences and Industry), Multimin USA, Inc., "The Effect of Multimin Injectable Trace Mineral Solution on Semen Quality of Young Breeding Beef Bulls."

Waggoner, Justin, Devlin, Daniel L. (Ks Ctr for Ag Rsrces & the Env / Ks Water Rsrce Rsrch Inst), Middendorf, Gerad D. (Sociology, Anthropology, and Social Work), Presley, DeAnn
R. (Agronomy), Rice, Charles W. (Agronomy), Ruiz Diaz Suarez, Dorivar
A. (Agronomy), Shoup, Douglas E. (Southeast Area Office), Shroyer, James
P. (Agronomy), Swamy, Aavudai Anandhi (Agronomy), and Tomlinson, Peter J. (Agronomy), US Department of Agriculture, \$21,277, "Resillence and Vulnerability of Beef Cattle Production in the Southern Great Plains under Changing Climate, Land Use and Markets."

**Zukoff, Sarah N.,** Monsanto Company, \$32,400, "Characterizing Resistance Evolution to Pyrethroid Insecticides."

# **OFFICE OF THE PRESIDENT**

# **BEACH ART MUSEUM**

**Duke, Linda A.,** Kansas Humanities Council, \$8,872, "Take Shelter: Flint Hills Native Stone Subterranean Structures."

# **OFFICE OF THE PRESIDENT**

Schulz, Kirk H., Kansas Department of Commerce, \$5,000,000, "Kansas Animal Agrosecurity 2025 and Beyond."

# **OFFICE OF THE PROVOST**

#### CENTER FOR ENGAGEMENT AND COMMUNITY DEVELOPMENT

**Procter, David E.,** National Issues Forums Institute, \$15,000, "Communicty Conversations about Mental Health."

**Procter, David E., Kahl, Daniel W.** (Agriculture and Natural Resources), **Peterson, Hikaru H.** (Agricultural Economics), and **Procter, Sandra B.** (Human Nutrition), US Department of Agriculture, \$249,757, "Increasing Healthful Food Choice and Strengthening Rural Grocery Stores through Nutritional Education and Labeling."

# DEAN OF CONTINUING EDUCATION

Maes, Sue C., Ministry of Education, Ecuador, \$9,987,444, "Go Teacher Program."

# **DEAN OF GRADUATE SCHOOL**

**Crawford Jr, Duane W., Britt, Sonya L.** (School of Family Studies and Human Services), **Kaus, Jodi L.** (Student Financial Assistance), **Robb, Clifford A.** (School of Family Studies and Human Services), and **Shanklin, Carol W.**, Council of Graduate Schools, "Enhancing Student Financial Education at Kansas State University."

Lease, Kevin B., National Aeronautics and Space Administration, \$49,683, "Kansas Space Grant Consortium."

**Polson, Cheryl J.,** US Department of Defense, \$231,058, "Brigade Spouse Courses at Fort Leavenworth."

Shanklin, Carol W., Britt, Sonya L. (School of Family Studies and Human Services), Crawford Jr, Duane W., Kaus, Jodi L. (Student Financial Assistance), and Robb, Clifford A. (School of Family Studies and Human Services), Council of Graduate Schools, \$40,000, "Enhancing Student Financial Education at Kansas State University."

Shanklin, Carol W., Aramouni, Fadi M. (Animal Sciences and Industry), Kwon,
Junehee (Hospitality Management and Dietetics), Roberts, Kevin R. (Hospitality Management and Dietetics), Sauer, Kevin L. (Hospitality Management and Dietetics), and Sneed,
Jeannie (Hospitality Management and Dietetics), US Department of Agriculture, "Continuation of the Center of Excellence for Food Safety Research in Child Nutrition Programs."

# **INFORMATION SECUIRTY & COMPLIANCE**

Vaile, Robert S., Ou, Xinming (Simon) (Computing and Information Sciences), and Wesch, Michael (Sociology, Anthropology, and Social Work), National Science Foundation, \$139,969, "TWC SBE TTP: Medium: Collaborative: Bringing Anthropology into Cybersecurity."

# **OFFICE OF THE PROVOST**

**Champion, Benjamin, Hohn, Keith L.** (Chemical Engineering), and **Madl, Ronald L.** (Grain Science and Industry), Kansas Soybean Commission, \$3,820, "Promoting Cooking Oil-to-Biodiesel Process on K-State University Campus."

**Dyer, Ruth A.,** Kansas State University Foundation, \$8,710, "Spainhour Faculty Chair for KAWSE."

Mason, April, Kansas State University Foundation, \$28,537, "Pickett Chair."

Mason, April, Grauer, Bette (Dean of Engineering), Montelone, Beth A. (Dean of Arts and Sciences), Thurston, Linda P. (Dean of Education), and Wiley, Zelia Z. (Dean of Agriculture and Director of AES), National Science Foundation, \$300,000, "Pathways to STEM: Kansas Louis Stokes Alliance for Minority Participation."

# SCHOOL OF LEADERSHIP STUDIES

**Fine, Leigh E.,** University of California - Los Angeles, \$1,395, "The Effects of Sexual Identity and Institutional Factors on LGBT College Student Outcomes: A Quantitative Approach."

**Tolar, Mary H.,** Caroline Peine Charitable Foundation, \$5,000, "Campus-Community Partnership Award Program."

Tolar, Mary H., Corporation for National and Community Service, \$4,053, "Get Hands On."

Tolar, Mary H., Kansas State Department of Education, \$600, "Kansas Mentors."

Tolar, Mary H., Manhattan Area Chamber of Commerce, \$50,000, "Leadership Manhattan."

# SALINA COLLEGE OF TECHNOLOGY AND AVIATION

## SALINA APPLIED AVIATION RESEARCH CENTER

**Barnhart, Richard K.,** and **Blanks, Mark T.**, Westar Energy, "Aerial Inspection and Suveying Techniques of Power Infrastructure."

**Blanks, Mark T.,** US Department of Transportation, \$100,000, "Small Unmanned Aircraft Systems Standards Validation Project."

**Blanks, Mark T.,** and **Barnhart, Richard K.**, Westar Energy, \$57,993, "Aerial Inspection and Suveying Techniques of Power Infrastructure."

## SALINA ARTS, SCIENCE AND BUSINESS

**Brockway, Kathy J., Norlin, David D.**, and **Stephens, Gregory F.**, City of Salina, KS, "CECD Equipment Incentive - North Salina Community Development."

Norlin, David D., Brockway, Kathy J., and Stephens, Gregory F., City of Salina, KS, "CECD Equipment Incentive - North Salina Community Development."

**Stephens, Gregory F., Brockway, Kathy J.**, and **Norlin, David D.**, City of Salina, KS, \$500, "CECD Equipment Incentive - North Salina Community Development."

# SALINA COLLEGE ADVANCEMENT

Schierlman, Dixie L., Greater Salina Community Foundation, \$1,500, "GSCF Support of Wellness Program."

# VICE PRESIDENT FOR ACADEMIC SERVICES AND TECHNOLOGY

# **VICE PRESIDENT FOR ACADEMIC SERVICES AND TECHNOLOGY Stafford, Kenneth R.,** US Department of Agriculture, \$3,850, "Acquisition of Goods and Services #58-5430-3-017."

# VICE PRESIDENT FOR ADMINISTRATION AND FINANCE

#### **KSU POLICE DEPARTMENT**

Stubbings, Donald C., Wal-Mart Foundation, \$500, "Walmart Foundation Grant."

Stubbings, Donald C., Wal-Mart Foundation, \$1,000, "Walmart Foundation Grant - 2013."

# VICE PRESIDENT FOR RESEARCH

## **BIOSECURITY RESEARCH INSTITUTE**

Higgs, Stephen, State of Kansas, \$5,000,000, "Launching NBAF Research in BRI."

**Higgs, Stephen,** US Department of Health and Human Services, \$13,764, "The Role of Mosquito Saliva in Chikungunya Virus Transmission and Dissemination."

**Higgs, Stephen,** and **Vanlandingham, Dana L.** (Diagnostic Medicine/Pathobiology), US Department of Health and Human Services, \$19,791, "WEEV Vaccine Development."

## NATIONAL AGRICULTURAL BIOSECURITY CENTER

**Beardsley, Craig A.,** and **Burton, Kenneth R.**, US Department of HomelandSecurity, "Development of Guidance to Ensure a Risk-Informed Planning Process and Appropriate Decision Making for Use by State, Local, Tribal and Territorial (SLTT) Government Entities in Creation of Emergency Operation Plans to Defend Food and Agriculture Infrastructure."

**Beardsley, Craig A.,** and **Burton, Kenneth R.**, US Department of Homeland Security, "Lessons Learned / Food Shield App."

**Burton, Kenneth R.,** and **Beardsley, Craig A.**, US Department of HomelandSecurity, \$135,000, "Development of Guidance to Ensure a Risk-Informed Planning Process and Appropriate Decision Making for Use by State, Local, Tribal and Territorial (SLTT) Government Entities in Creation of Emergency Operation Plans to Defend Food and Agriculture Infrastructure."

**Burton, Kenneth R.,** and **Beardsley, Craig A.**, US Department of Homeland Security, \$13,134, "Lessons Learned / Food Shield App."

# OFFICE OF THE VICE PRESIDENT FOR RESEARCH

**Bossmann, Stefan, Narayanan, Sanjeevkumar** (Diagnostic Medicine/Pathobiology), **Prakash, Punit** (Electrical and Computer Engineering), and **Troyer, Deryl L.** (Anatomy and Physiology), National Science Foundation, "MRI: Development of an Integrated Image-guided Thermal Therapy Platform." **Geisbrecht, Brian V.,** US Department of Health and Human Services, "The Multiple States of IpaB Shigella Type III Secretion."

**Geisbrecht, Erika R.,** US Department of Health and Human Services, "Mechanisms Underlying Muscle Development in Drosophila AR060788."

Greene, Kathleen V., National Science Foundation, "McNair Scholars Program."

**Guikema, James A.,** National Science Foundation, \$136,000, "National Science Foundation Graduate Research Fellowship Award."

Li, Jun, National Science Foundation, "Nanotechnology for Renewable Energy."

**Peterson, Jeffrey M., Bergtold, Jason S.** (Agricultural Economics), and **Kulcsar, Laszlo** (Sociology, Anthropology, and Social Work), National Science Foundation, "Farmers' Decisions to Grow Crops for Fuel."

**Rice, Charles W., Harrington Jr, John A.** (Geography), and **Hutchinson, Stacy L.** (Biological and Agricultural Engineering), National Science Foundation, "Understanding Climate Change in the Great Plains: Source, Impact, and Mitigation."

Trewyn, R. W., Kansas State University Foundation, \$12,677, "BGS BRI Peine Chair Account."

# VICE PRESIDENT ELECTRONICS DESIGN LABORATORY

Huddleston, David E., and Taylor, Russell D., US Department of Energy, "1-D Linear Array Neutron Detector Electronics Development Phase II."

**Sobering, Timothy J., Barstow, Thomas J.** (Kinesiology OLD), **Day, Dwight D.** (Electrical and Computer Engineering), **Gruenbacher, Don M.** (Electrical and Computer Engineering), **Kuhn, William B.** (Electrical and Computer Engineering), **Natarajan, Balasubramaniam** (Electrical and Computer Engineering), and **Warren, Steven** (Electrical and Computer Engineering), Kansas Board of Regents, \$1,050, "Biosensor Networks and Telecommunication Subsystems for Long-duration Missions, EVA Suits, and Robotic Precursor Scout Missions."

**Sobering, Timothy J., Barstow, Thomas J.** (Kinesiology OLD), **Day, Dwight D.** (Electrical and Computer Engineering), **Gruenbacher, Don M.** (Electrical and Computer Engineering), **Kuhn, William B.** (Electrical and Computer Engineering), **Natarajan, Balasubramaniam** (Electrical and Computer Engineering), and **Warren, Steven** (Electrical and Computer Engineering), National Aeronautics and Space Administration, \$13,084, "Developing BioSensor Networks and Telecommunication Sub-systems for Long-duration Missions, EVA Suits, and Robotic Precursor Scout Missions - Coordinated Research Spanning Early-stage Innovations through Game Changing Technologies."

Sobering, Timothy J., US Department of Defense, \$175,000, "Extended Lifetime Electronics."

**Taylor, Russell D.,** and **Huddleston, David E.**, US Department of Energy, \$175,834, "1-D Linear Array Neutron Detector Electronics Development Phase II."

# VICE PRESIDENT FOR STUDENT LIFE AND DEAN OF STUDENTS

#### **DEPARTMENT OF HOUSING**

Wessel, Tonya R., Kansas Health Foundation, \$1,000, "Work Well Kansas."

#### EDUCATIONAL AND PERSONAL DEVELOPMENT

**Booker, Monshonda,** US Department of Education, \$236,925, "Kansas State University - Salina Upward Bound Program-Central Kansas."

Bosco, Pat J., Kauffman Scholars, Inc., "IEP Kauffman Scholars Program - ISP."

**Greene, Kathleen V.,** Multi-Sponsor, \$990, "Ronald E. McNair Post Baccalaureate Achievement Program - Travel."

Greene, Kathleen V., National Science Foundation, \$20,734, "McNair Scholars Program."

**Greene, Kathleen V.,** US Department of Education, \$233,513, "Ronald E. McNair PostBaccalaureate Achievement Program."

**Greene, Kathleen V.,** US Department of Education, \$273,483, "Student Support Services at KSU-Manhattan."

Greene, Kathleen V., US Department of Education, \$210,533, "Student Support Services at KSU-Salina."

## KSU CHILD DEVELOPMENT CENTER, INC.

**Parker, Leslie M.,** US Department of Agriculture, \$3,000, "Kansas Child Care Wellness Program (KCCWP)."

**Ring, Debra J.,** Kansas Child Care Training Opportunities, Inc, \$30,267, "Kansas Child Care Training Opportunities."

**Ring, Debra J.,** US Department of Education, \$104,539, "Child Care Access Means Parents at K-State."

#### **NEW STUDENT SERVICES**

Lehning, Emily M., Kansas State University Foundation, \$15,000, "Phillips 66 Shield Scholars Fund."

**Lehning, Emily M.,** Kansas State University Foundation, \$34,940, "Suder Foundation FIRST SCHOLARS FUND."

## STUDENT FINANCIAL ASSISTANCE

Kaus, Jodi L., Britt, Sonya L. (School of Family Studies and Human Services), Crawford Jr, Duane W. (Dean of Graduate School), Robb, Clifford A. (School of Family Studies and Human Services), and Shanklin, Carol W. (Dean of Graduate School), Council of Graduate Schools, "Enhancing Student Financial Education at Kansas State University."

## UNIVERSITY COUNSELING SERVICES

Mailey, Chaz D., City of Manhattan, KS, \$34,000, "Youth Oriented Alcohol Abuse Prevention Program."

# VICE PRESIDENT FOR STUDENT LIFE AND DEAN OF STUDENTS

Bosco, Pat J., Conoco, Inc., \$15,000, "ConocoPhillips SPIRIT Scholars Administration."

**Bosco, Pat J.,** and **Cortez, Anita R.**, Kansas State University Foundation, \$46,000, "Edgerley-Franklin Urban Leadership Scholars Program."