



2015 Annual Report Of Sponsored Research

Office of Research and Creative Activities



O·R·C·A

Published by the
OFFICE of RESEARCH and CREATIVE ACTIVITIES (ORCA)
Brigham Young University

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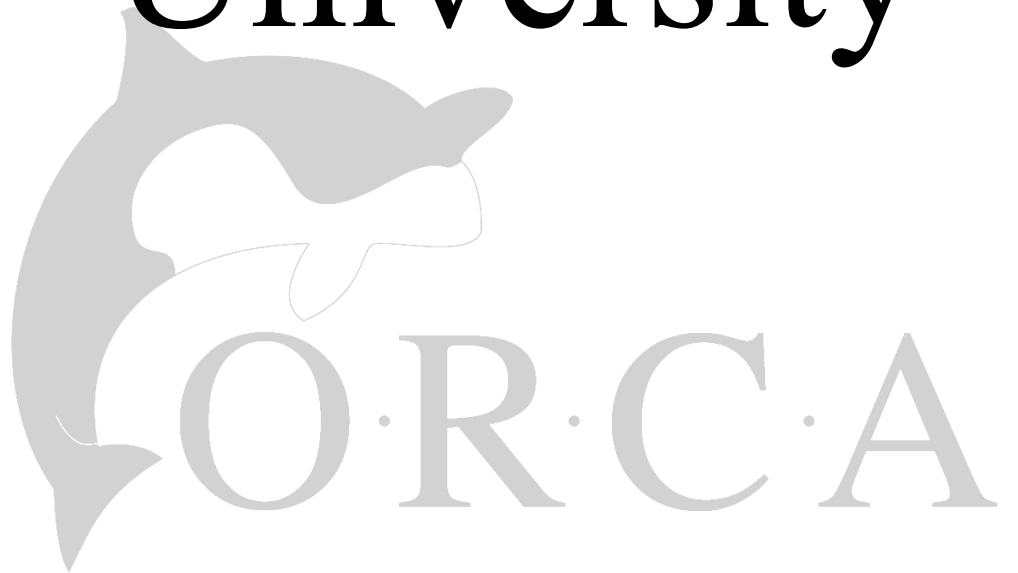
Preface

This report covers January 1, 2015 to December 31, 2015.

Included are a number of activities that are carried out by the Office of Research and Creative Activities (ORCA).

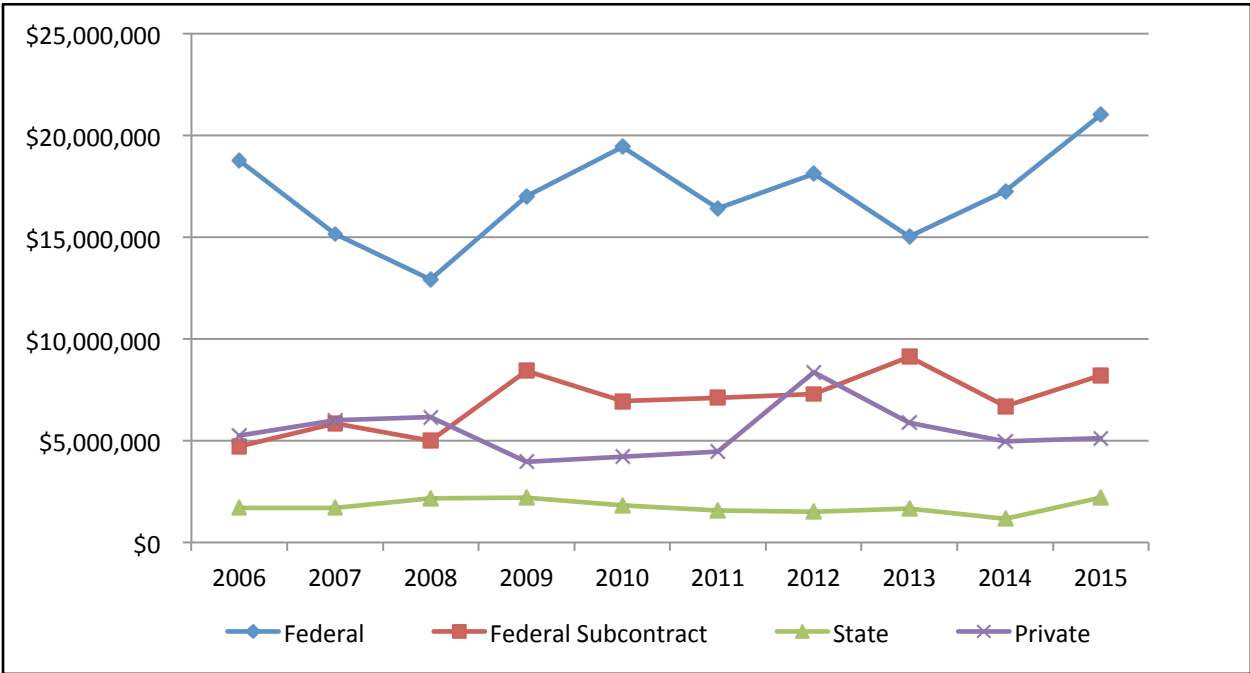
- ***Reports of Sponsored Programs:*** Sponsored programs at BYU are those funded by external sources through ORCA. They are largely research projects, but many include programs that are designed to develop or support instructional or service activities. Support for creative activities such as performance, artistic creations, etc., may also come through ORCA.
- ***Administrative Activities in Support of Research and Creative Activities:*** ORCA supports several university committees which oversee compliance with university, state, and federal regulations.
- ***Recognition for Research and Creative Activities:*** This category includes awards to faculty and students made by ORCA, the Graduate School, and some cooperative efforts involving departments, colleges, and central administration.

The University



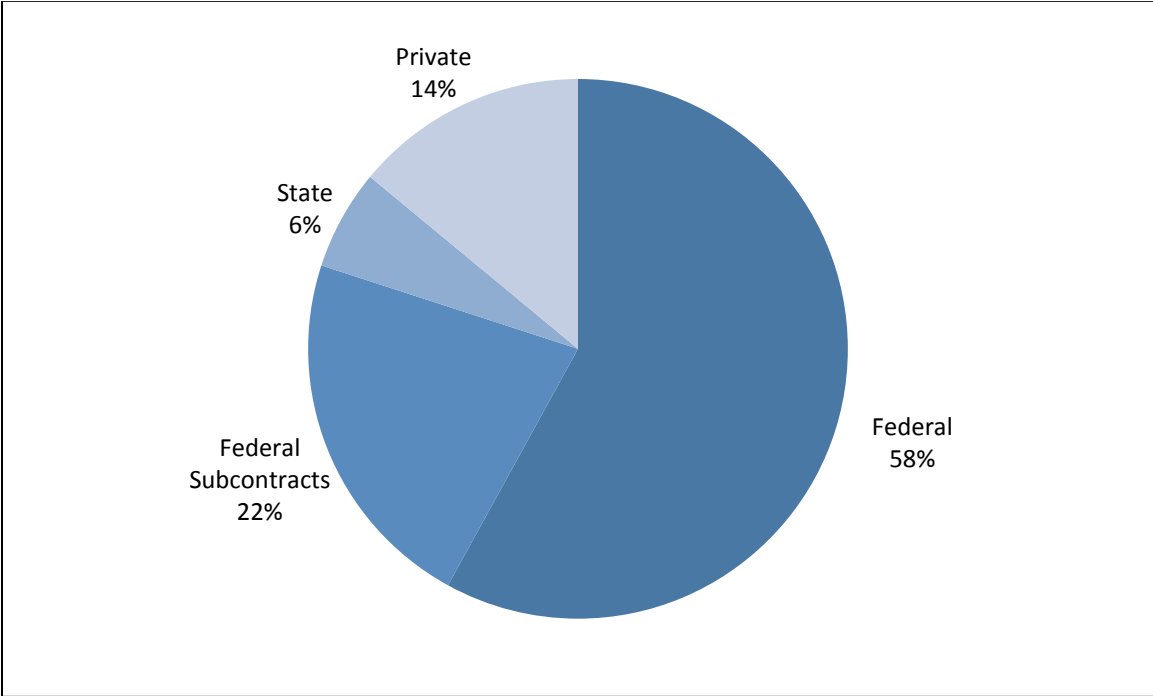
External Research Funding

Grants/Contracts						
Year	Federal	Federal Subcontracts	State	Private	Total	%Federal
2006	\$18,789,401	\$4,716,016	\$1,686,117	\$5,263,840	\$30,455,374	77%
2007	\$15,146,329	\$5,858,590	\$1,706,455	\$5,992,229	\$28,703,602	73%
2008	\$12,914,957	\$5,012,840	\$2,179,789	\$6,169,053	\$26,276,639	68%
2009	\$17,008,415	\$8,428,238	\$2,212,727	\$3,959,262	\$31,608,642	80%
2010	\$19,425,099	\$6,949,056	\$1,837,689	\$4,208,063	\$32,419,910	81%
2011	\$16,415,455	\$7,097,675	\$1,572,162	\$4,471,211	\$29,556,503	80%
2012	\$18,110,757	\$7,282,203	\$1,523,034	\$8,379,690	\$35,295,684	72%
2013	\$15,034,387	\$9,126,548	\$1,679,472	\$5,871,720	\$31,712,126	76%
2014	\$17,260,137	\$6,693,946	\$1,151,886	\$4,984,449	\$30,090,417	79%
2015	\$21,015,987	\$8,205,836	\$2,192,841	\$5,115,501	\$36,530,165	80%



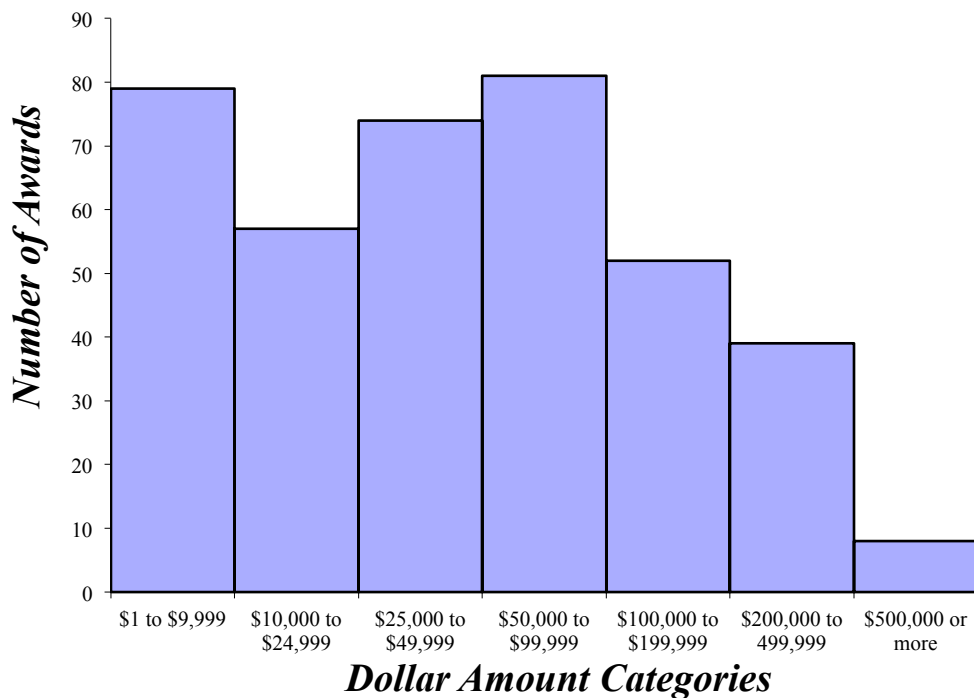
External Funds by Source—2015

Source	Amount	% of Total
Federal	\$21,015,987	58%
Federal Subcontracts	\$8,205,836	22%
State	\$2,192,841	6%
Private	\$5,115,501	14%
<i>Total Funding</i>	\$36,530,165	100%



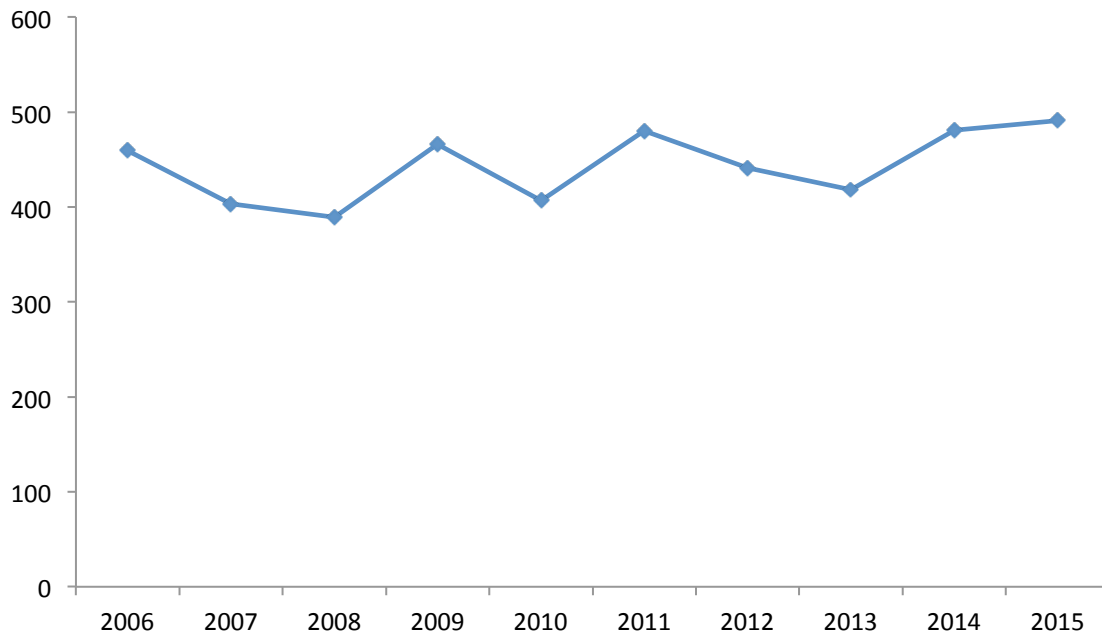
Grant/Contract Awards by Amount—2015

Dollar Amount Categories	# of Awards	% of Total Awards by #	\$ Awards	% of Total Awards by \$ Amount
\$1 to \$9,999	79	20%	\$369,391	1%
\$10,000 to \$24,999	57	15%	\$908,319	2%
\$25,000 to \$49,999	74	19%	\$2,699,016	7%
\$50,000 to \$99,999	81	21%	\$5,658,491	16%
\$100,000 to \$199,999	52	13%	\$7,015,297	19%
\$200,000 to \$499,999	39	10%	\$12,308,585	34%
more than \$500,000	8	2%	\$7,571,066	21%
Totals	390	100%	\$36,530,165	100%



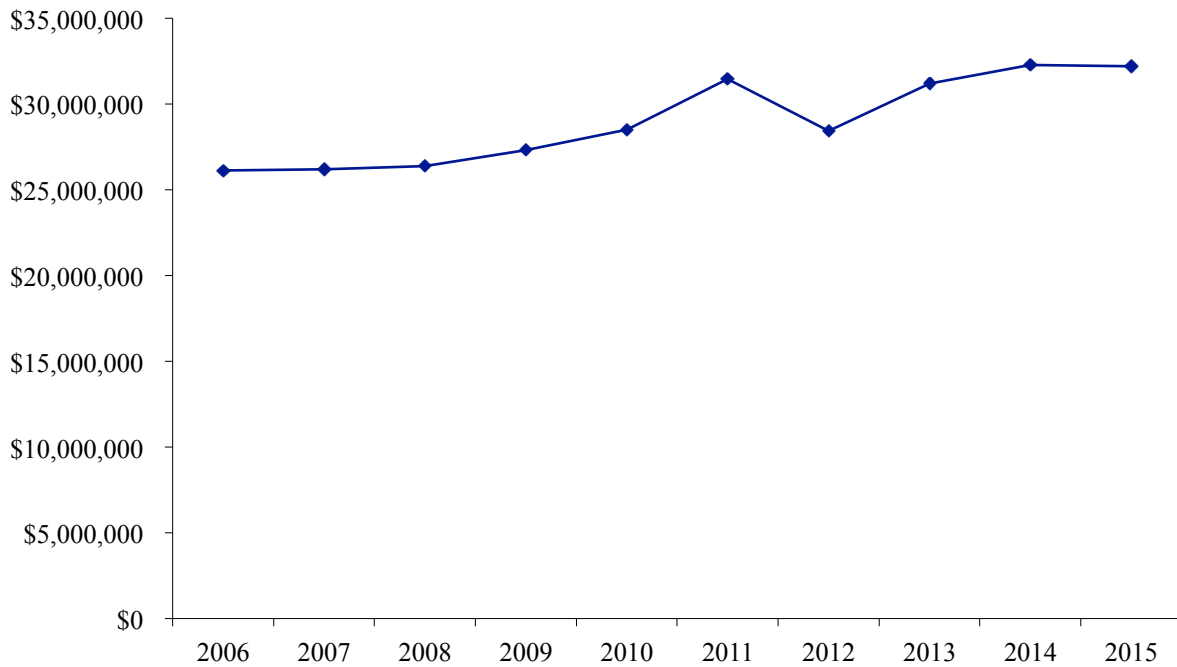
Proposals Submitted

Year	Proposals Submitted
2006	459
2007	403
2008	389
2009	466
2010	407
2011	480
2012	441
2013	418
2014	481
2015	491



Total Expenditures (Grants and Contracts)

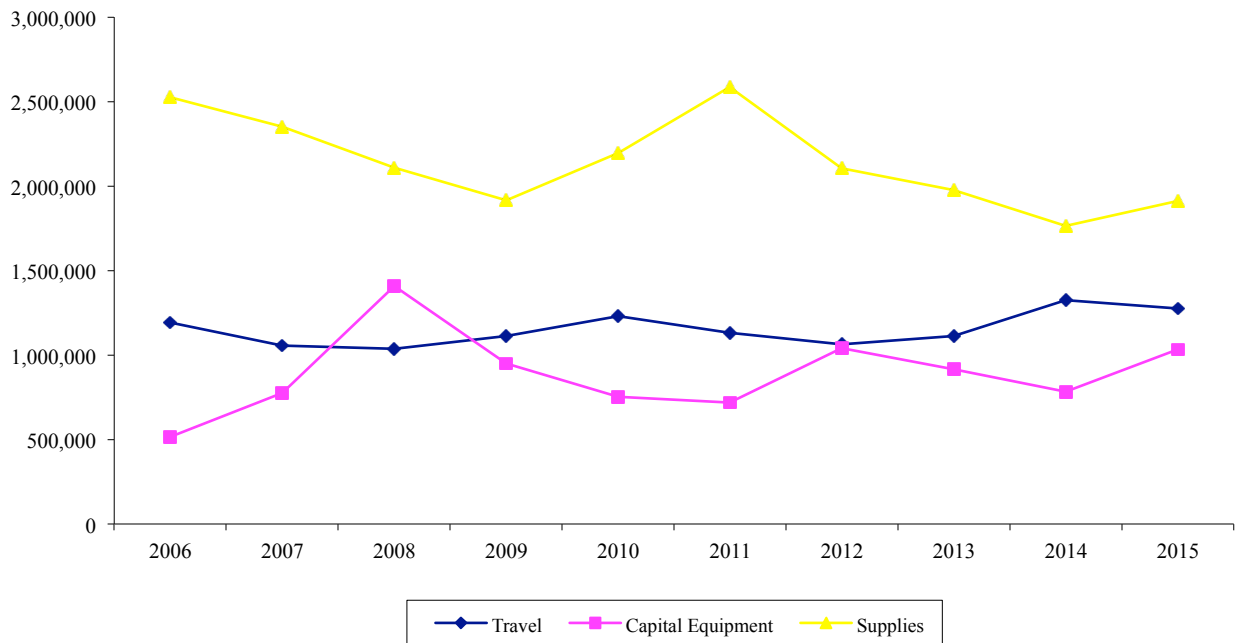
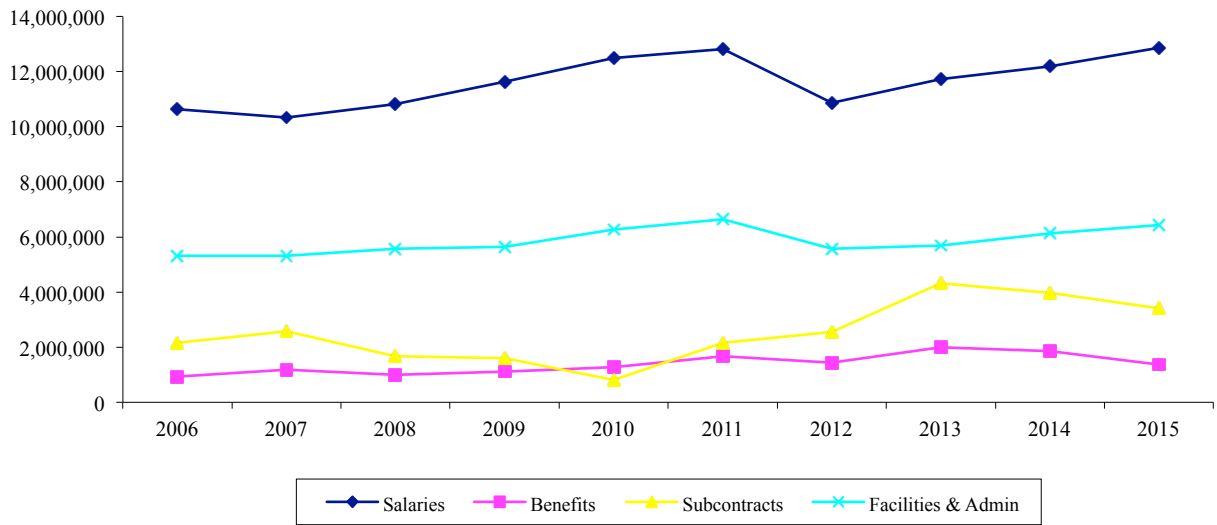
Year	Total Expenditures
2006	\$26,117,033
2007	\$26,178,686
2008	\$26,364,124
2009	\$27,299,213
2010	\$28,503,008
2011	\$31,443,918
2012	\$28,438,600
2013	\$31,184,980
2014	\$32,258,073
2015	\$32,177,342



2015 Research Contract/Grant Expenditures by Category

<i>Personnel Costs</i>	<i>Amount</i>
<i>Salaries & Wages</i>	
Administrative Salaries	898,839
Faculty Salaries	201,618
Faculty Sal-Visit-Health Ben	1,657,484
Faculty—Supplemental	2,632,432
Part-time Faculty Salaries	484,413
Other Wages	354,331
Staff Salaries	155,969
Student Contracts	3,066,294
Student Wages	3,401,249
Total Salaries & Wages	\$12,852,630
Fringe Benefits	1,367,421
Total Personnel Costs	\$14,220,052
<i>Other</i>	
Access Equipment	4,751
Advertising	303
Capital Equipment	1,034,585
Conference & Symposium Costs	281,671
Computer Serv-Campus	4,082
Consultants	413,541
Contract Services	736,752
Employee Development/Training	65,208
Equipment Repair & Maintenance	54,494
Exempt Account	-
Facilities Repair & Maintenance	184
Facilities & Administration	6,440,903
Hosting, Food, Entertainment	31,483
Non-Capital Equipment	107,311
Participant Stipends	181,186
Postage & Mailing	8,913
Printing & Copying	18,726
Program Income	(122,311)
Purchase Discounts Earned	(77)
Rental Expense	98,795
Research Fellowships	-
Research Publications Costs	13,365
Software Acquisitions/Support/Maintenance	22,249
Student Aid	1,942,415
Subcontracts	3,406,627
Supplies	1,909,903
Telecommunications	25,910
Travel	1,276,213
Uniforms/Costumes/Laundry	-
Utilities	108
Total Other Expenditures	\$17,957,291
Total Research Expenditures	\$32,177,342

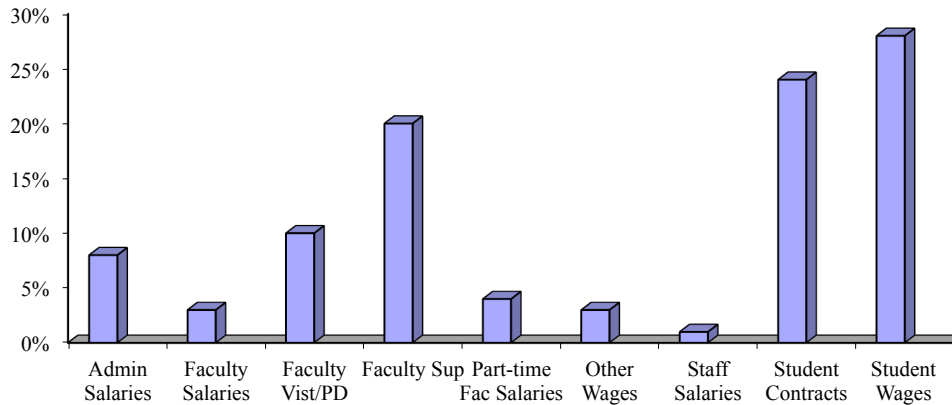
Research Dollars Expended (Grants and Contracts Only)



Salary and Wage Expenditures (Grants and Contracts Only)

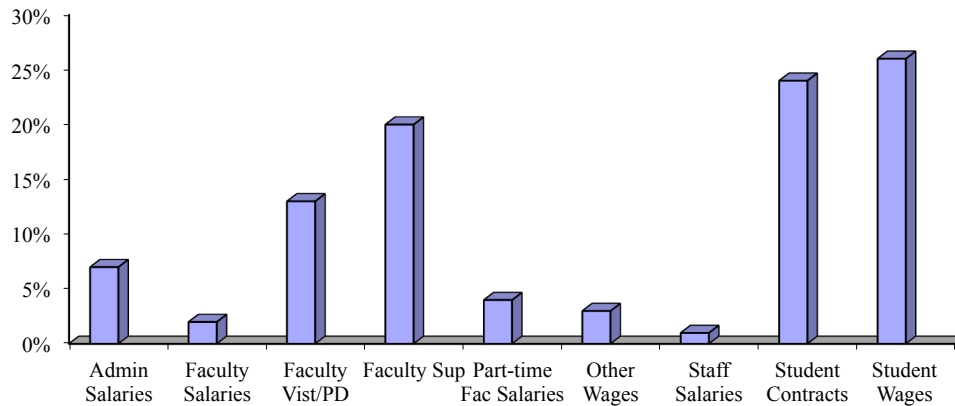
2014

Total: \$12,188,645



2015

Total: \$12,852,630

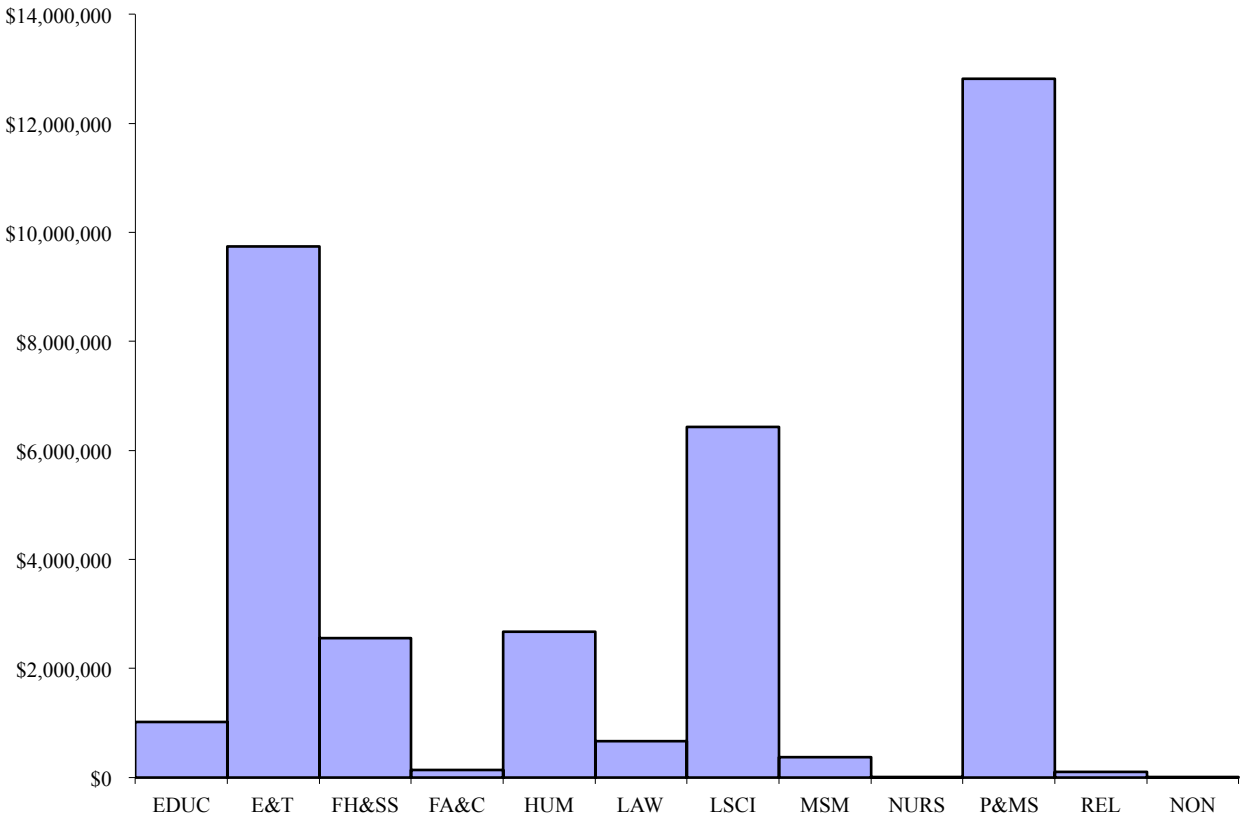




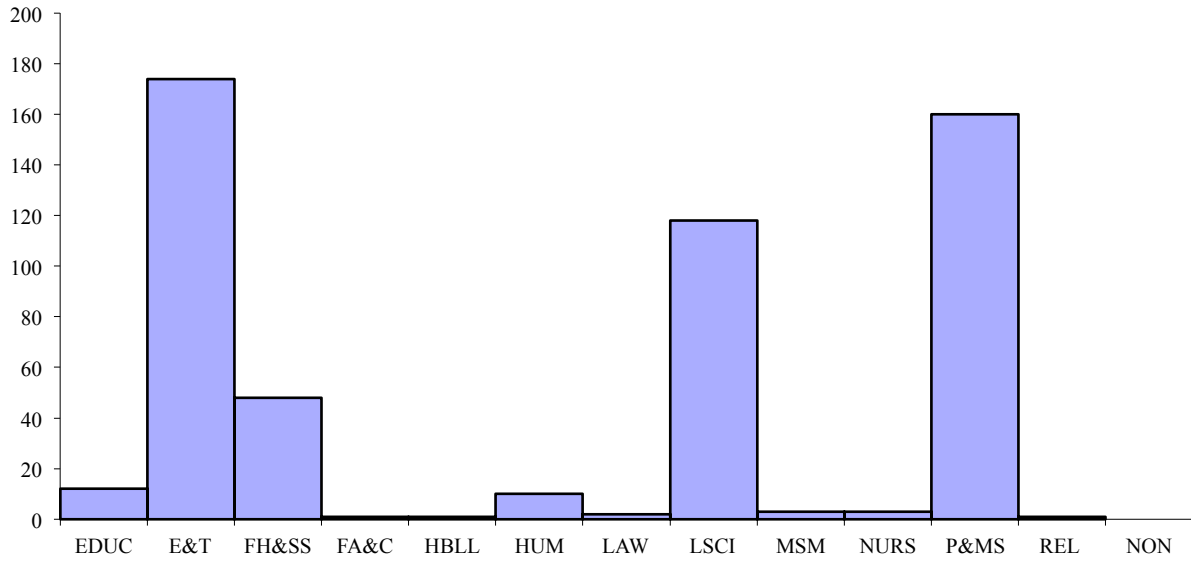
Information by College or School

Award Amount Totals 2015

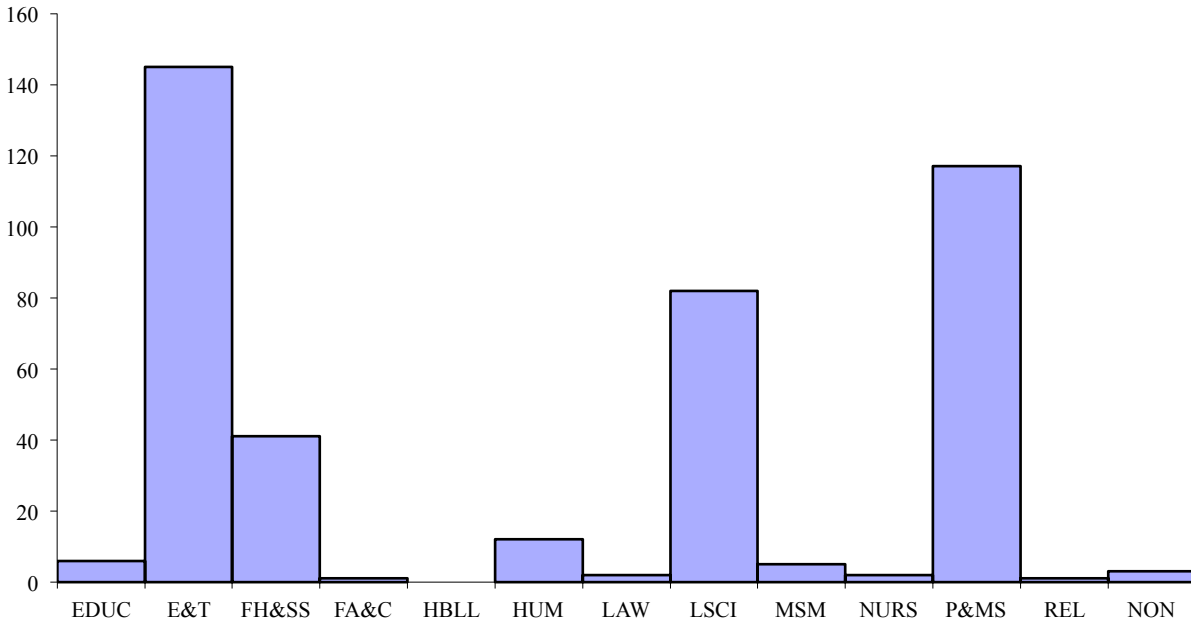
<i>College or School</i>	<i>Total</i>
Education	\$1,023,767
Engineering & Technology	\$9,743,373
Family, Home & Social Sciences	\$2,552,289
Fine Arts & Communications	\$137,798
Humanities	\$2,679,882
Law	\$670,637
Life Sciences	\$6,426,947
Marriot School of Management	\$372,600
Nursing	\$9,200
Physical & Mathematical Sciences	\$12,812,372
Religious Education	\$100,000
Harold B. Lee Library	\$0
Non-College Units (with HBLL on Graph)	\$1,300
<i>University Total</i>	\$36,530,165



Number of Proposals 2015



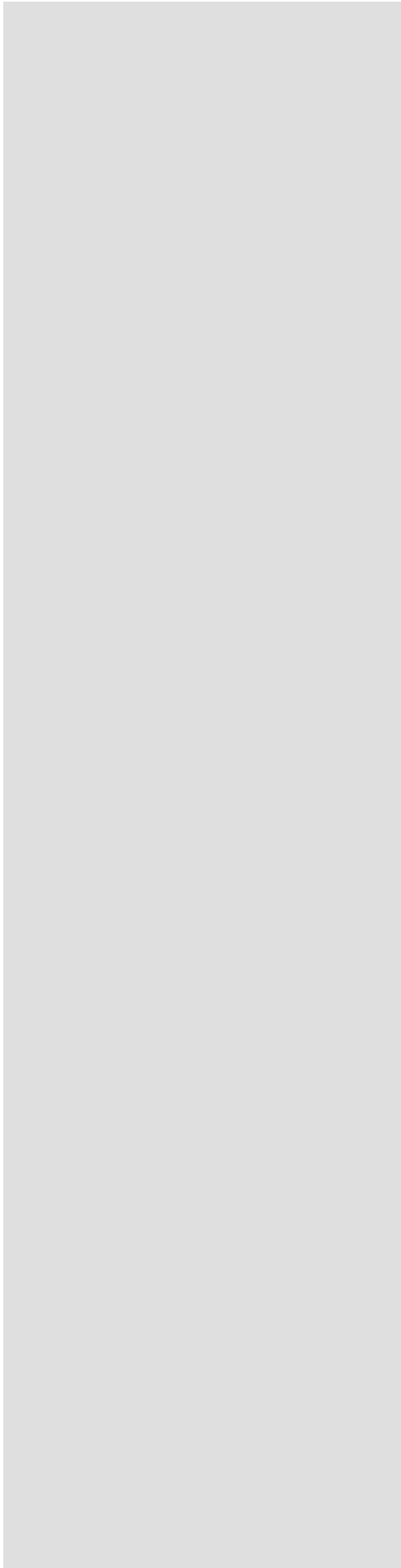
Number of Awards 2015



Research Contract/Grant Awards by College and Department 2015

<i>College and Department</i>	<i>Amount</i>
<u>Campus Life</u>	Campus Life \$0
<u>Education</u>	CITES 207,134
	Communication Disorders 0
	Counseling and Special Educ 404,106
	Education Leadership & Foundations 0
	Instructional Psychology 13,782
	Teacher Education 398,745
	TOTAL <u>\$1,023,767</u>
<u>Engineering & Technology</u>	Chemical Engineering 1,539,210
	Civil and Environmental Eng 1,102,929
	Electrical and Computer Eng 3,257,592
	Mechanical Engineering 3,460,148
	School of Technology 383,494
	TOTAL <u>\$9,743,373</u>
<u>Fine Arts & Communications</u>	Communications 137,798
	TOTAL <u>\$137,798</u>
<u>Family Home & Social Sciences</u>	Anthropology 0
	Economics 392,505
	Geography 99,948
	History 0
	Office of Public Archeology OPA 377,826
	Political Science 680,301
	Psychology 897,087
	School of Family Life 10,458
	Sociology 64,566
	Social Work 29,598
	TOTAL <u>\$2,552,289</u>

<i>College and Department</i>	<i>Amount</i>
<u>Humanities</u>	
Asian & Near East Languages	748,072
Linguistics	276,373
Center for Language Studies	1,210,989
English	0
Humanities, Classic & Comparative Lit	5,000
Spanish & Portuguese	439,448
TOTAL	\$2,679,882
<u>J. Reuben Clark Law School</u>	\$670,637
<u>Library</u>	\$0
<u>Life Sciences</u>	
Bean Museum	24,000
Biology	1,373,885
Exercise Science	536,930
Health Science	55,637
Microbiology & Molecular Biology	585,797
Nutrition, Dietetics, & Food Science	359,249
Physiology & Developmental Biology	698,484
Plant & Wildlife Sciences	2,792,965
TOTAL	\$6,426,947
<u>Marriott School of Management</u>	
Business Management	0
Global Management Center	269,900
Information Systems	98,790
Organizational Leadership-Strategy	0
Recreational Mngmnt & Youth Ldrshp	3,910
TOTAL	\$372,600
<u>Nursing</u>	\$ 9,200
<u>Office of Research & Creative Activities</u>	\$ 1,300
<u>Physical & Math Sciences</u>	
Chemistry and Biochemistry	6,492,497
Computer Science	2,539,575
Earth Science Museum	0
Geology	279,722
Mathematics	609,476
Mathematics Education	0
Physics & Astronomy	2,293,862
Statistics	597,240
TOTAL	\$12,812,372
<u>Religious Education</u>	
Ancient Scripture	100,000
TOTAL	\$100,000
Grand Total	\$36,530,165

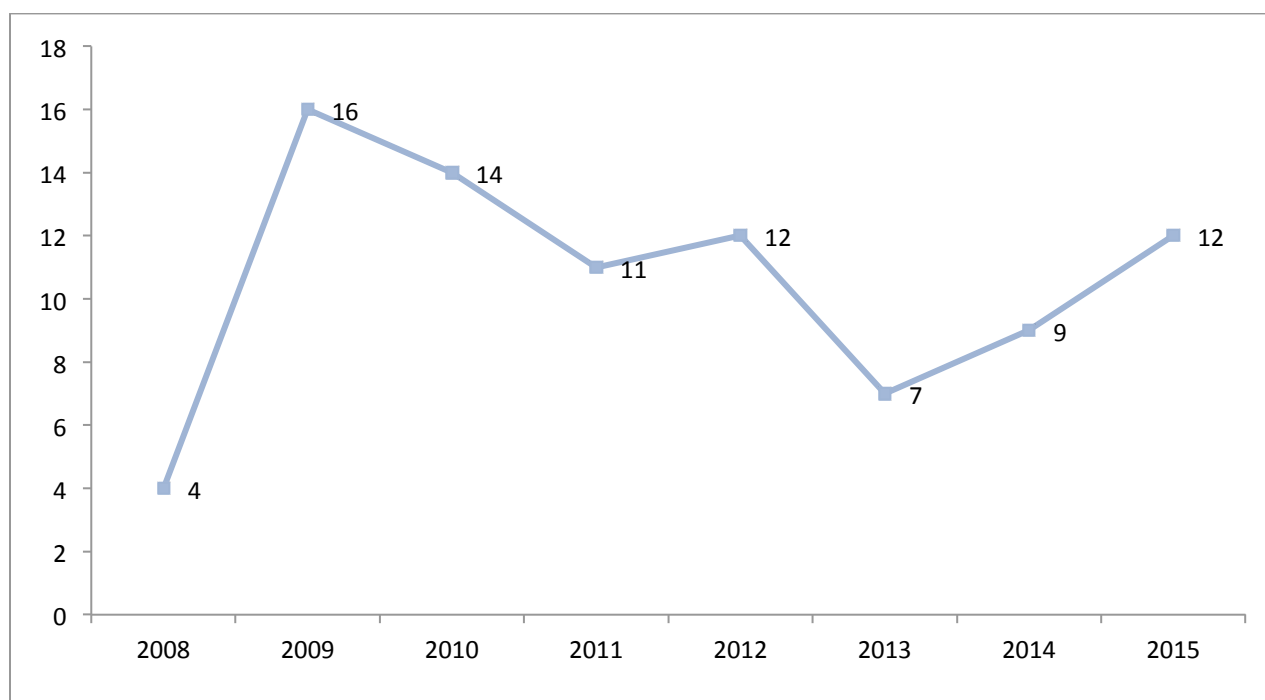


David O.
McKay
School
of Education

Summary of Sponsored Research (Grants & Contracts)

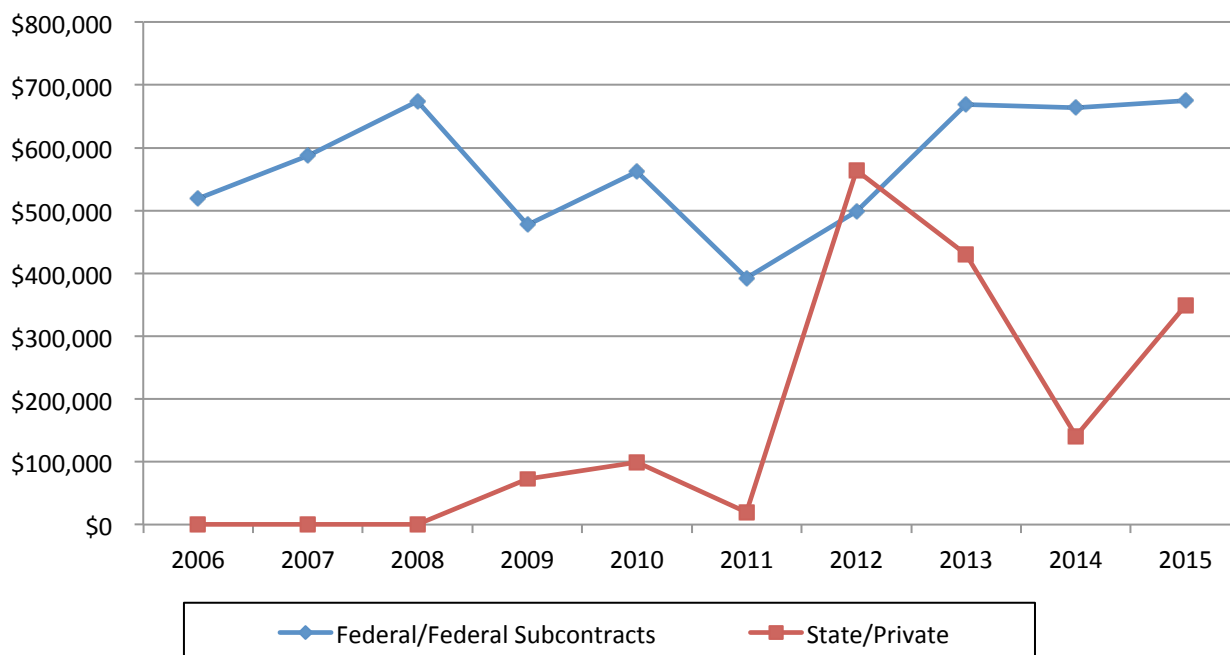
Department	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Center for Improvement of Teacher Education & Schooling	3	3	2	\$207,134
Communications Disorders	2	2	0	\$0
Counseling, Psychology & Special Education	2	2	3	\$404,106
Education Leadership & Foundations	0	0	0	\$0
Instructional Psychology & Technology	1	1	1	\$13,782
Teacher Education	3	4	1	\$398,745
Totals:	11	12	6	\$1,023,767

Proposal Submission Activity



External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2006	\$519,011	\$0	\$519,011
2007	\$587,279	\$0	\$587,279
2008	\$673,489	\$0	\$673,489
2009	\$477,479	\$72,832	\$550,311
2010	\$562,137	\$99,172	\$661,309
2011	\$392,300	\$19,700	\$412,000
2012	\$498,499	\$564,185	\$1,062,684
2013	\$669,318	\$430,120	\$1,099,438
2014	\$663,944	\$141,000	\$804,944
2015	\$675,327	\$348,440	\$1,023,767



David O. McKay School of Education 2015 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Beg Date</u>	<u>End Date</u>	<u>Account</u>	<u>Amount</u>	<u>Type</u>
Center for Improvement of Teacher Education & Schooling								
Caldarella, Paul		University of Kansas	A Multi-Site Efficacy Trial of the Class-wide Function-related Intervention Teams "CW-FIT": A Research to Practice Agenda for Students with At Risk for EBD.	7/1/2012	6/30/2016	R0302473	\$66,134	2
Flox, Cally		USOE	2015-16 BTSALP BYU Region Professional Development Plan	7/1/2015	9/30/2016	R0402268	\$141,000	3
Counseling, Psychology, & Special Education								
Allen, Kawika	w/ Richards, Scott	John Templeton Foundation	Bringing Spiritually Oriented Psychotherapies into the Healthcare Mainstream: A Preparatory Grant Proposal for an International Grant Competition	3/1/2015	2/28/2016	R0502209	\$103,720	4
Gibb, Gordon		USOE	Summer Mentor Teachers	7/1/2015	6/30/2016	R0302609	\$64,400	2
Hansen, Blake	w/ Caldarella, Paul	University of Kansas	A Multi-Site Efficacy Trial of the Class-wide Function-related Intervention Teams "CW-FIT": A Research to Practice Agenda for Students with At Risk for EBD.	7/1/2012	6/30/2016	R0302473	\$66,133	2
Richards, Scott		John Templeton Foundation	Bringing Spiritually Oriented Psychotherapies into the Healthcare Mainstream: A Preparatory Grant Proposal for an International Grant Competition	3/1/2015	2/28/2016	R0502209	\$103,720	4
Young, Richard	w/ Caldarella, Paul	University of Kansas	A Multi-Site Efficacy Trial of the Class-wide Function-related Intervention Teams "CW-FIT": A Research to Practice Agenda for Students with At Risk for EBD.	7/1/2012	6/30/2016	R0302473	\$66,133	2
Instructional Psychology & Technology								
Rich, Peter		Brown University (NSF)	Exploring Transfer Between Computing and Algebra through Bootstrap	9/1/2015	8/31/2016	R0302641	\$13,782	2
Teacher Education								
Pinnegar, Stefinee		Office of English Language Acquisition, USDEd	Simultaneous RENEWAL for the Education of English Learners through Professional Development for University Faculty and Public School Teachers	5/1/2012	8/31/2016	R0132022	\$398,745	1

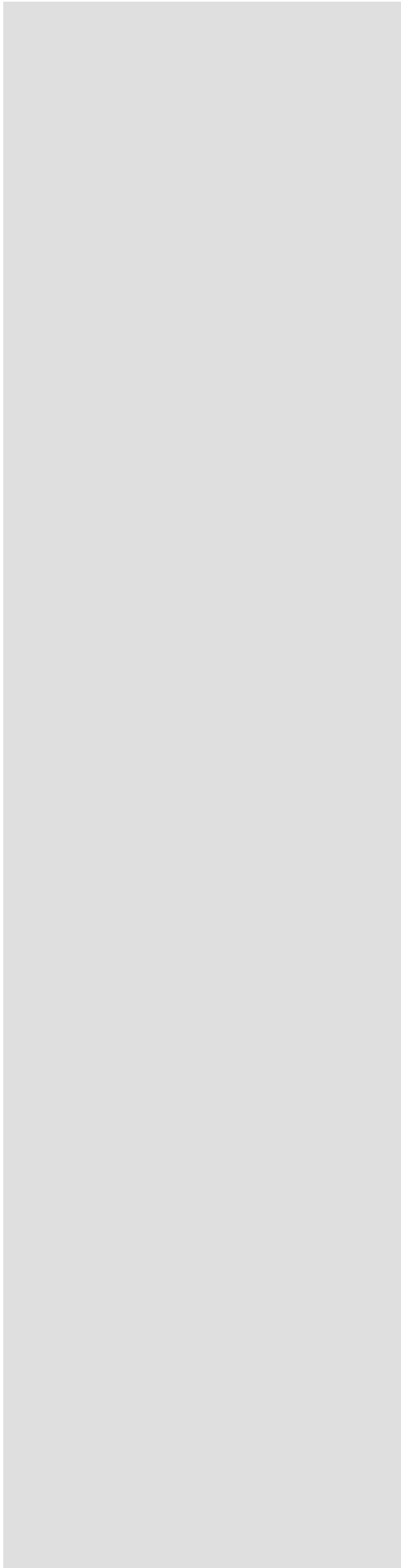
Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private

Department Totals		
Communication Disorders		\$0
Center for Improvement of Teacher Education and Schooling (CITES)		\$207,134
Continuing Education		\$0
Counseling Psychology & Special Education		\$404,106
Educational Leadership & Foundations		\$0
Instructional Psychology & Technology		\$13,782
Teacher Education		\$398,745
College Total:		\$1,023,767

Education

Source Breakdown of Grants and Contracts

<u>Sponsor</u>	<u>Number Awarded</u>	<u>Total Amount</u>
Federal		
Office of English Language Acquisition, USDEd	1	\$398,745
Total	1	\$398,745
Federal Subcontracts		
Brown University (NSF)	1	\$13,782
U of Kansas	1	\$198,400
USOE	1	\$64,400
Total	3	\$276,582
State		
USOE	1	\$141,000
Total	1	\$141,000
Private		
John Templeton Foundation	1	\$207,440
Total	1	\$207,440

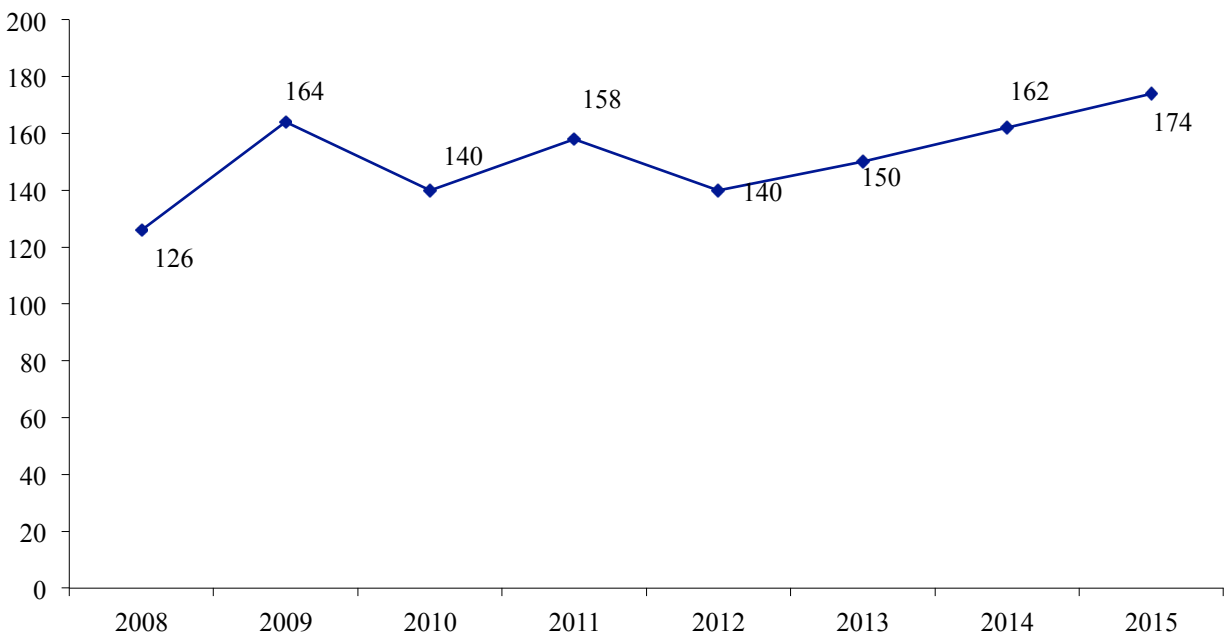


Fulton College of Engineering & Technology

Summary of Sponsored Research (Grants & Contracts)

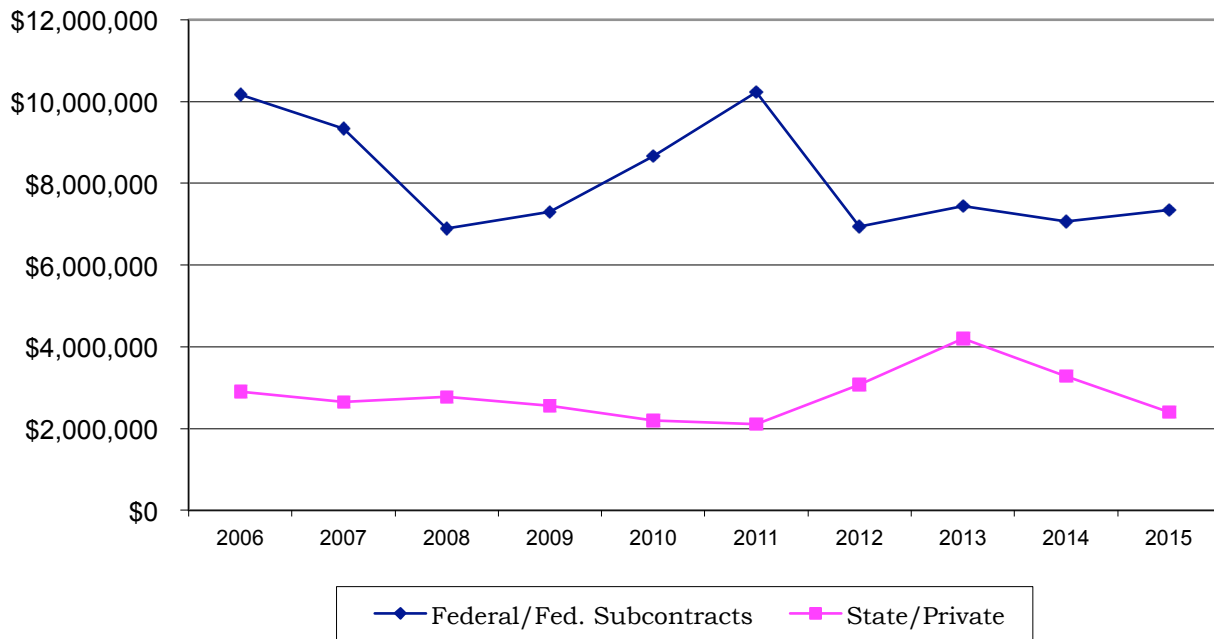
Department	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Civil & Environmental Engineering	13	33	23	\$1,102,929
Chemical Engineering	14	32	25	\$1,539,210
Electrical & Computer Engineering	13	47	52	\$3,257,592
Mechanical Engineering	27	80	61	\$3,460,148
School of Technology	3	4	6	\$383,494
Totals:	69	174	145	\$9,743,373

Proposal Submission Activity



External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2006	\$10,164,290	\$2,905,036	\$13,069,326
2007	\$9,329,809	\$2,657,764	\$11,987,573
2008	\$6,891,660	\$2,782,218	\$9,673,878
2009	\$7,297,402	\$2,562,693	\$9,860,095
2010	\$8,659,447	\$2,198,382	\$10,857,829
2011	\$10,224,839	\$2,108,091	\$12,332,930
2012	\$6,940,419	\$3,075,235	\$10,015,653
2013	\$7,446,524	\$4,208,437	\$11,654,961
2014	\$7,073,257	\$3,279,114	\$10,352,371
2015	\$7,345,708	\$2,397,665	\$9,743,373



College of Engineering & Technology 2015 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Beg Date</u>	<u>End Date</u>	<u>Account</u>	<u>Amount</u>	<u>Type</u>
<i>Civil & Environmental Engineering</i>								
Ames, Daniel		USU (NSF)	HydroShare: Interactive Software Infrastructure for Sustaining Collaborative Community Innovation in the Hydro Science	7/1/2012	6/30/2016	R0302479	\$91,631	2
Ames, Daniel		University of Texas at Austin (NSF)	EarthCube Building Blocks: Integrating Discrete and Continuous Data	9/15/2013	8/31/2016	R0302541	\$10,000	2
Ames, Daniel		CUAHSI (NSF)	Facilities Support: The CUAHSI Water Data Center	4/1/2013	3/31/2016	R0302554	\$30,343	2
Ames, Daniel		Elsevier Limited	Environmental Modeling & Software Editorial Assistant Support	8/31/2015	12/31/2018	R0570011	\$26,000	4
Balling, Richard	w/ Scott, Michael	AFOSR	An Integrated Isogeometric Approach to the Engineering Design and Optimization of Aircraft Structures	6/15/2014	6/14/2017	R0202420	\$67,009	1
Franke, Kevin		NSF	NSF I/UCRC C-UAS REU Supplements	3/1/2012	2/28/2017	R0112282	\$8,000	1
Franke, Kevin		UDOT	Simplified SPT Performance-Based Assessment of Liquefaction and Effects	3/6/2014	11/30/2016	R0402235	\$61,500	3
Franke, Kevin	w/ McLain, Tim	URS Federal Services, Inc.	C-UAS I/UCRC Membership Dues	3/4/2015	3/3/2016	R0602390	\$20,000	4
Guthrie, Spencer		UDOT	Development of a Concrete Bridge Deck Management Guide	1/14/2015	9/30/2018	R0402261	\$50,000	3
Guthrie, Spencer		Convergent Concrete Technologies	Performance of Nano-Lithium Sealers for Concrete Barrier Walls on Highways in Cold Regions	5/1/2013	12/31/2016	R0602415	\$2,100	4
Guthrie, Spencer		Convergent Concrete Technologies	Performance of Nano-Lithium Sealer for Concrete Barrier walls on Highways in Cold Regions	5/1/2013	12/31/2016	R0602415	\$2,100	4
Guthrie, Spencer		Tensar International Corp.	Evaluation of Geo-grid Reinforced Pavement Sections on Well's Draw R. Duchene County, Utah	5/20/2015	5/20/2016	R0602477	\$37,000	4
Guthrie, Spencer	w/ Mazzeo, Brian	University of Illinois (Illinois DOT US DOT)	Determining whether a deck with a microsilica or latex concrete overlay in place can be overlaid	1/1/2016	6/30/2016	R0302639	\$18,337	2
Hotchkiss, Rollin		Salt Lake Co. Public Works	Modeling of Jordan River Channel Repair at Winchester St.	11/5/2014	3/31/2015	R0492042	\$4,995	3

Jensen, David	w/ Scott, Michael	AFOSR	An Integrated Isogeometric Approach to the Engineering Design and Optimization of Aircraft Structures	6/15/2014	6/14/2017	RO202420	\$67,008	1
Richards, Paul		American Institute of Steel Construction	Shear and Bending Moment Demands for Beams in Concentrically Braced Frames	9/21/2015	7/31/2016	RO502223	\$10,000	4
Richards, Paul		CoreBrace, LLC	Experimental Testing of Buckling-Restrained Braces	5/7/2015	9/30/2017	RO602476	\$28,046	4
Rollins, Kyle		UDOT	Evaluation of Lateral Pile Resistance Near MSE Walls at a Dedicated Wall Site	12/2/2013	9/20/2016	RO402230	\$117,500	3
Rollins, Kyle		UDOT	New Zealand Soil Liquefaction/Pile Foundation Research	12/12/2013	12/31/2015	RO402262	\$7,000	3
Rollins, Kyle		University of Arkansas (Arkansas DOT)	Evaluating the Capacity of Deep Soils Foundation	11/10/2014	6/30/2016	RO470001	\$50,000	4
Saito, Mitsuro	w/ Schultz, Grant	UDOT	Analysis of Access Management Impacts	11/18/2015	6/30/2017	RO402275	\$32,500	3
Saito, Mitsuru		UDOT	Calibration of Automatic Performance Measures: Speed and Volume Data	10/9/2013	6/30/2016	RO402228	\$20,650	3
Schultz, Grant	w/ Saito, Mitsuro	UDOT	Calibration of Automatic Performance Measures: Speed and Volume Data	10/9/2013	6/30/2016	RO402228	\$20,650	3
Schultz, Grant		UDOT	Traffic and Safety Modeling 2015/2016	5/4/2015	9/30/2016	RO402264	\$119,998	3
Schultz, Grant		UDOT	Analysis of Access Management Impacts	11/18/2015	6/30/2017	RO402275	\$32,500	3
Scott, Michael		AFOSR	An Integrated Isogeometric Approach to the Engineering Design and Optimization of Aircraft Structures	6/15/2014	6/14/2017	RO202420	\$67,009	1
Williams, Gustavious		LANL	HIS Solids Characterization - Model Selection and TES	10/8/2013	9/30/2016	RO302535	\$101,053	2
Chemical Engineering								
Baxter, Larry		Office of Nuclear Energy (DOE)	Nuclear Energy University Programs Fellowships	11/1/2013	6/30/2022	RO202405	\$15,000	1
Baxter, Larry		Sustainable Energy Solutions (University of Wyoming/State of Wyoming)	Fossil Energy Research Network	4/1/2015	10/31/2015	RO470003	\$97,500	4
Baxter, Larry		SES	Cryogenic Carbon Capture	4/5/2009	9/1/2015	RO602280	\$100,000	4
Baxter, Larry		SES	Cryogenic CO2 Capture Research	4/5/2009	9/1/2015	RO602280	\$4,229	4

Cook, Alonzo		Acell, Inc.	Determining the Effects of UBM on the Process of Converting Muller Glia Cells into Photoreceptors and Porcine Urinary Bladder Matrix in Sciatic Nerve Regeneration	3/12/2015	3/11/2015	RO602474	\$27,000	4
Fletcher, Tom		US Forest Service	Exploration into the Effect of Terrain Slope on Fire Intensity	6/5/2015	9/30/2016	RO202454	\$30,000	1
Fletcher, Tom		University of Utah (DOE PSAAP II)	High Performance Computing on Oxyfired Combuster	3/1/2014	2/28/2016	RO302552	\$35,705	2
Fletcher, Tom		University of Utah (DOE)	High Performance Computing on Oxyfired Combuster	3/1/2014	2/28/2016	RO302552	\$94,131	2
Harb, John		NSF	EAGER: Viologen-catalyzed Electrochemical Conversion of Biomass for Sustainable Energy and Products	9/1/2015	8/31/2016	RO112281	\$50,000	1
Harb, John		CD-Adapco	Fundamental Modeling of Electrochemical Corrosion in Multiple Spatial Dimensions with Star CCM+	9/1/2013	8/31/2016	RO602420	\$40,000	4
Hedengren, John	w/ McLain, Timothy	NSF	I/UCRC: Center for Unmanned Aircraft Systems (C-UAS)	3/1/2012	2/28/2017	RO112200	\$16,000	1
Hedengren, John	w/ McLain, Timothy	NSF	I/UCRC Center for Unmanned Aircraft Systems annual support	9/1/2012	2/28/2017	RO112200	\$16,000	1
Hedengren, John	w/ Franke, Kevin	NSF	NSF I/UCRC C-UAS REU Supplements	3/1/2012	2/28/2017	RO112282	\$8,000	1
Hedengren, John		NSF	EAGER: Cyber-Manufacturing with Multi-echelon Control and Scheduling	1/1/2016	12/31/2017	RO112293	\$235,869	1
Hedengren, John		SINTEF Petroleum AS	Improved Model Support in Drilling Automation	2/11/2015	12/31/2015	RO602466	\$8,775	4
Hedengren, John		SINTEF Petroleum AS	Improved Model Support in Drilling Automation	2/11/2015	12/31/2015	RO602466	\$3,045	4
Thomas, Knotts		NSF	Modeling and Prediction of Protein and Protein/Ligand Behavior on Surfaces	3/1/11	2/29/16	RO112182	\$87,533	1
Lewis, Randy	w/ Harb, John	NSF	EAGER: Viologen-catalyzed Electrochemical Conversion of Biomass for Sustainable Energy and Products	9/1/2015	8/31/2016	RO112281	\$50,000	1
Lignell, David		University of Utah (DOE PSAAP II)	High Performance Computing on Oxyfired Combuster	3/1/2014	2/28/2016	RO302553	\$19,682	2
Lignell, David		University of Utah (DOE)	High Performance Computing on Oxyfired Combuster	3/1/2014	2/28/2016	RO302553	\$51,889	2
Memmtt, Matthew		Georgia Tech (DOE, INL)	Integral Inherently Sage Light Water Reactor	10/1/2014	2/1/2016	RO302603	\$41,488	2

Memcott, Matthew		Los Alamos National Security (LANL/DOE)	Multi-Sensor Gas Meters Market Research and Usability Assessment: LANL DHS SAVER Program	11/3/2015	9/30/2018	RO302640	\$8,891	2
Pitt, William	w/ Hawkins, Aaron	NIH	Multiplexed, Non-Amplified, Nucleic Acid-Based Identification of Multi-drug Resistant Pathogens Using an Integrated Optofluidic Platform	3/1/2015	2/29/2016	RO102068	\$345,772	1
Wheeler, Dean		LBNL (DOE)	Predicting Electrode Microstructure and Performance for Optimal Cell Fabrication	4/10/2013	4/1/2017	RO302504	\$28,951	2
Wheeler, Dean		LBNL (DOE)	Predicting Electrode Microstructure and Performance for Optimal Cell Fabrication	4/10/2013	4/1/2017	RO302504	\$25,000	2
Wheeler, Dean		LBNL (DOE)	Predicting Electrode Microstructure and Performance for Optimal Cell Fabrication	4/10/2013	4/1/2017	RO302504	\$98,750	2
Electrical & Computer Engineering								
Bangerter, Neal		VA	A Pilot Trial to Assess Low-Intensity Ultrasound in Osteoarthritis	9/1/2014	8/31/2016	RO202431	\$30,909	1
Bangerter, Neal		Stanford (NIH)	Osteoarthritis: Quantitative Evaluation of Whole Joint Disease with MRI	4/1/2015	1/31/2016	RO302613	\$72,200	2
Bangerter, Neal		Stanford (NIH)	Osteoarthritis: Quantitative Evaluation of Whole Joint Disease with MRI	4/1/2015	1/31/2016	RO302613	\$72,200	2
Beard, Randal	w/ McLain, Timothy	NSF	I/UCRC: Center for Unmanned Aircraft Systems (C-UAS)	3/1/2012	2/28/2017	RO112200	\$16,000	1
Beard, Randal	w/ McLain, Timothy	NSF	I/UCRC Center for Unmanned Aircraft Systems annual support	9/1/2012	2/28/2017	RO112200	\$16,000	1
Beard, Randal	w/ McLain, Timothy	AFRL (via NSF)	Interagency Membership Dues for C-UAS, NSF I/UCRC	9/1/2012	2/28/2017	RO112221	\$19,999	1
Beard, Randal	w/ McLain, Timothy	ARL	C-UAS I/UCRC Membership Dues	9/1/2012	2/28/2017	RO112221	\$10,000	1
Beard, Randal	w/ McLain, Timothy	NSF	I/UCRC Center for Unmanned Aircraft Systems- REU Supplement	3/1/2012	2/28/2017	RO112282	\$8,000	1
Beard, Randal	w/ McLain, Timothy	NSF	I/UCRC FRP: Network-Enabled Airborne Autonomy	9/15/2015	8/31/2016	RO112300	\$39,986	1
Beard, Randal		AFRL/RWK	A Novel Algorithm for Tracking Multiple Targets with Significant Background Clutter	9/30/2013	12/29/2016	RO202401	\$114,952	1
Beard, Randal	w/ McLain, Timothy	University of Florida (AFRL)	Aircraft Estimation and Control	3/10/2015	6/1/2018	RO302608	\$32,478	2

Beard, Randal		Utopia Compressor (Air Force)	Enabling Moving Target Hand-off in GPS-Denied Environments	6/8/2015	6/8/2016	R0302614	\$16,667	2
Beard, Randal	w/ McLain, Timothy	BP American Production	C-UAS NSF I/UCRC Membership Dues	5/3/2012	2/28/2017	R0602390	\$10,000	4
Beard, Randal	w/ McLain, Timothy	Insitu, Inc.	C-UAS NSF I/UCRC Membership Dues	5/3/2012	2/28/2017	R0602390	\$10,000	4
Hawkins, Aaron		NIH	Multiplexed, Non-Amplified, Nucleic Acid-Based Identification of Multidrug Resistant Pathogens Using an Integrated Optofluidic Platform	3/1/2015	2/29/2016	R0102068	\$345,773	1
Hawkins, Aaron		NSF	REU Supplement - Ultrasensitive Cancer Biomarker Detection on Biophotonic Chips	7/1/2012	6/30/2017	R0112213	\$6,000	1
Hawkins, Aaron		NSF	REU Supplement - Nanopore-gated on-chip trapping for single bioparticle sensing.	6/1/2014	5/31/2017	R0112285	\$6,000	1
Hawkins, Aaron		UC Santa Cruz (NIH)	Hybrid Integrated Molecular Analysis (HIMAS) for Point-of-Care Diagnostics	6/1/2012	5/31/2016	R0302466	\$101,000	2
Hawkins, Aaron		PerkinElmer Health Sciences, Inc.	All Planar Fabrication of Chip-based Microfluidics with Electrospray Emitters	2/5/2015	8/4/2016	R0602468	\$69,840	4
Hawkins, Aaron	w/ Lee, Milton	Torion / PerkinElmer	Hand-Held Thermal Gradient GC-MS System	6/1/2015	12/31/2016	R0602482	\$73,030	4
Hutchings, Brad	w/ Wirthlin, Michael	NSF	I/UCRC CHREC Phase II support	4/1/2013	3/31/2018	R0112266	\$13,334	1
Jeffs, Brian	w/ Warnick, Karl	NSF	Wide-Field L-band Focal Plane Array Beamformer for Pulsar, Diffuse Hydrogen, and Fast Transient Surveys on the GBT	9/1/2013	8/31/2016	R0112241	\$72,523	1
Jeffs, Brian		Cornell (NSF/USRA)	Digital Back End Conceptual Design for the Arecibo AO-40 Phased Array Feed	2/9/2015	8/31/2015	R0302606	\$9,977	2
Jeffs, Brian		Cornell (NSF/USRA)	Digital Back End Conceptual Design for the Arecibo AO-40 Phased Array Feed	2/9/2015	11/30/2015	R0302606	\$3,524	2
Jensen, Michael	w/ Beard, Randal	Utopia Compressor (Air Force)	Enabling Moving Target Hand-off in GPS-Denied Environments	6/8/2015	6/8/2016	R0302614	\$16,667	2
Lee, D.J.		Smart Vision Works International (USDA)	Improve Competitiveness of Specialty Crop Production through a New Product Quality Verification Method	9/1/2015	8/31/2017	R0302630	\$166,000	2

Lee, D.J.		ON Semiconductor	Vision-Based Automobile Pixel Lighting Control	3/12/2015	3/20/2015	RO602469	\$13,000	4
Long, David		NASA	An Improved, Enhanced-resolution, Gridded Passive Microwave ESDR for Monitoring Cryospheric and Hydrologic Time Series	3/15/2013	3/14//2017	RO162017	\$104,456	1
Long, David		NASA	Extending the Scatterometer Wind and Backscatter Climate Record	8/1/2014	7/31/2018	RO162020	\$59,953	1
Long, David		NASA	Extending the Scatterometer Wind and Backscatter Climate Record	8/1/2014	7/31/2018	RO162020	\$111,342	1
Long, David		University of Utah (NASA)	Utah NASA Space Grant Consortium 2015	4/10/2015	4/9/2016	RO302618	\$73,100	2
Long, David		JPL (NASA)	Location Accuracy Analysis for ISS-RapidScat Measurements	8/11/2015	8/10/2016	RO302629	\$30,050	2
Long, David		NIIVA Tech, Inc.	A Method, Apparatus, and System to Remotely Acquire Information from Volumes in a Snowpack	9/1/2015	4/30/2016	RO602494	\$19,050	4
Mazzeo, Brian	w/ Wheeler, Dean	LBNL (DOE)	Predicting Electrode Microstructure and Performance for Optimal Cell Fabrication	4/10/2013	4/1/2017	RO302504	\$28,951	2
Mazzeo, Brian		USU (USURF/SDL)	Technology Development of Lidar calibration instrumentation for Dugway Proving Ground	9/4/2015	12/18/2015	RO302635	\$7,500	2
Mazzeo, Brian		University of Illinois (Illinois DOT/ US DOT)	Determining whether a deck with a microsilica or latex concrete overlay in place can be overlaid	1/1/2016	6/30/2016	RO302639	\$18,337	2
Mazzeo, Brian	w/ Guthrie, Spencer	UDOT	Development of a Concrete Bridge Deck Management Guide	1/14/2015	9/30/2018	RO402261	\$50,000	3
Mazzeo, Brian	w/ Wheeler, Dean	LBNL (DOE)	Predicting Electrode Microstructure and Performance for Optimal Cell Fabrication	4/10/2013	4/1/2017	RO302504	\$25,000	2
Nelson, Brent	w/ Wirthlin, Michael	NASA Goddard (via NSF)	CHREC I/UCRC Membership	4/1/2013	3/31/2018	RO112266	\$20,005	1
Nelson, Brent	w/ Wirthlin, Michael	NSF	I/UCRC CHREC Phase II support	4/1/2013	3/31/2018	RO112266	\$13,333	1
Rice, Michael		US Army, PEO STRI	Preamble Assisted Equalization for Aeronautical Telemetry	3/6/2013	5/31/2015	RO202386	\$40,000	1
Rice, Michael		US Army	Preamble Assisted Equalization for Aeronautical Telemetry	3/6/2013	12/23/2015	RO202386	\$66,236	1

Rice, Michael		US Army	Preamble Assisted Equalization for Aeronautical Telemetry	3/6/2013	12/23/2015	RO202386	\$134,419	1
Rice, Michael		US Army	Preamble Assisted Equalization for Aeronautical Telemetry	3/6/2013	4/30/2016	RO202386	\$30,000	1
Schultz, Stephen		US Army	Optical Fiber Sensors for Non-Intrusive Voltage Measurements in HPM Targets	2/4/2013	3/31/2015	RO202384	\$16,892	1
Schultz, Stephen		US Army	Optical Fiber Sensors for Non-intrusive Voltage Measurements in HPM Targets (OINT)	2/4/2013	3/31/2015	RO202384	\$38,268	1
Schultz, Stephen		US Army, PEO STRI	Optical Fiber Sensors for Non-Intrusive Voltage Measurements in HPM Targets	2/4/2013	3/31/2016	RO202384	\$40,500	1
Schultz, Stephen		US Army, PEO STRI	Optical Fiber Sensors for Non-intrusive Voltage Measurements in HPM Targets (ONIT)	2/4/2013	3/31/2016	RO202384	\$21,586	1
Schultz, Stephen		US Army, PEO STRI	High Repetition-rate Shape Sensing using Fiber Bragg Gratings (HISS)	9/9/2015	9/8/2016	RO202462	\$103,976	1
Selfridge, Richard	w/ Schultz, Stephen	US Army	Optical Fiber Sensors for Non-Intrusive Voltage Measurements in HPM Targets	2/4/2013	3/31/2015	RO202384	\$16,891	1
Selfridge, Richard	w/ Schultz, Stephen	US Army	Optical Fiber Sensors for Non-intrusive Voltage Measurements in HPM Targets (OINT)	2/4/2013	3/31/2015	RO202384	\$38,268	1
Selfridge, Richard	w/ Schultz, Stephen	US Army, PEO STRI	Optical Fiber Sensors for Non-Intrusive Voltage Measurements in HPM Targets	2/4/2013	3/31/2016	RO202384	\$40,500	1
Selfridge, Richard	w/ Schultz, Stephen	US Army, PEO STRI	Optical Fiber Sensors for Non-intrusive Voltage Measurements in HPM Targets (ONIT)	2/4/2013	3/31/2016	RO202384	\$21,585	1
Selfridge, Richard	w/ Schultz, Stephen	US Army, PEO STRI	High Repetition-rate Shape Sensing using Fiber Bragg Gratings (HISS)	9/9/2015	9/8/2016	RO202462	\$103,975	1
Smalley, Daniel		TIPD LLC (AFRL)	TIPD Full-Parallax Phase II	8/1/2014	9/30/2016	RO302573	\$52,500	2
Smalley, Daniel		DAQRI	Near Eye Display	3/3/2015	3/3/2016	RO602467	\$325,000	4
Warnick, Karl	w/ McLain, Timothy	NSF	I/UCRC: Center for Unmanned Aircraft Systems (C-UAS)	3/1/2012	2/28/2017	RO112200	\$16,000	1

Warnick, Karl	w/ McLain, Timothy	NSF	I/UCRC Center for Unmanned Aircraft Systems annual support	9/1/2012	2/28/2017	RO112200	\$16,000	1
Warnick, Karl	w/ McLain, Timothy	AFRL (via NSF)	Interagency Membership Dues for C-UAS, NSF I/UCRC	9/1/2012	2/28/2017	RO112221	\$19,999	1
Warnick, Karl	w/ McLain, Timothy	ARL	C-UAS I/UCRC Membership Dues	9/1/2012	2/28/2017	RO112221	\$10,000	1
Warnick, Karl		NSF	Wide-Field L-band Focal Plane Array Beamformer for Pulsar, Diffuse Hydrogen, and Fast Transient Surveys on the GBT	9/1/2013	8/31/2016	RO112241	\$72,524	1
Warnick, Karl		University of Utah (NASA EPSCoR)	NASA EPSCoR RID Research Student Award: Compact Planar Phased Array Feeds and Array Tiles for Satellite	1/7/2015	10/17/2015	RO302604	\$7,500	2
Warnick, Karl	w/ Jeffs, Brian	Cornell (NSF/USRA)	Digital Back End Conceptual Design for the Arecibo AO-40 Phased Array Feed	2/9/2015	8/31/2015	RO302606	\$9,976	2
Warnick, Karl	w/ Jeffs, Brian	Cornell (NSF/USRA)	Digital Back End Conceptual Design for the Arecibo AO-40 Phased Array Feed	2/9/2015	11/30/2015	RO302606	\$3,523	2
Warnick, Karl	w/ McLain, Timothy	BP American Production	C-UAS NSF I/UCRC Membership Dues	5/3/2012	2/28/2017	RO602390	\$10,000	4
Warnick, Karl	w/ McLain, Timothy	Insitu, Inc.	C-UAS NSF I/UCRC Membership Dues	5/3/2012	2/28/2017	RO602390	\$10,000	4
Wirthlin, Michael		NASA	CHREC I/UCRC Membership	4/1/2013	3/31/2018	RO112266	\$20,005	1
Wirthlin, Michael		NSF	I/UCRC CHREC Phase II support	4/1/2013	3/31/2018	RO112266	\$13,333	1
Wirthlin, Michael		NSF	I/UCRC CHREC REU Supplement to RO112225	4/1/2013	3/31/2018	RO112286	\$16,000	1
Wirthlin, Michael		Cisco Systems, Inc.	Partial TMR Evaluation and Radiation Testing	4/6/2015	4/5/2017	RO602499	\$15,000	4
Mechanical Engineering								
Blotter, Jonathan	w/ Charles, Steven	NIH	Quantitative Characterization of Essential Tremor for Future Tremor Suppression	4/1/2015	3/31/2018	RO102069	\$141,082	1
Blotter, Jonathan	w/ Sommerfeldt, Scott	Varian Medical Systems	Noise Reduction of X-Ray Tubes and Heat Exchangers	5/1/2015	4/30/2016	RO602479	\$27,888	4
Bowden, Anton	w/ Fullwood, David	NSF	Piezoresistive Nanocomposite Sensors for Wide-range Strain: Applications in Biological Soft Tissue - REU Supplement	9/1/2012	8/31/2015	RO112219	\$5,000	1
Bowden, Anton		NSF	Mobile Gait Analysis Using Wearable Piezoresponsive Nanocomposite Sensors	9/1/2015	8/31/2018	RO112298	\$125,351	1

Bowden, Anton		Merit Medical Systems	Multi-Stage Expanding Stent	6/15/2015	6/15/2016	Ro602484	\$65,700	4
Charles, Steven		NIH	Quantitative Characterization of Essential Tremor for Future Tremor Suppression	4/1/2015	3/31/2018	Ro102069	\$141,083	1
Crockett, Julie		Moxtek, Inc.	Droplet Formation and Removal Characteristics on Superhydrophobic Nano and Microstructural Surfaces	7/1/2015	7/1/2016	Ro602481	\$11,783	4
Crockett, Julie		Twig and Wire	Wind Energy: Power Estimate for a Novel Vertical Axis Wind Turbine Design	12/14/2015	6/30/2016	Ro602500	\$9,900	4
French, David		Pratt & Whitney	Piloting Advanced Collaboration Tools for Engineering Design	1/30/2015	3/31/2015	Ro602464	\$24,167	4
Fullwood, David		NSF	Piezoresistive Nano-composite Sensors for Wide-range Strain: Applications in Biological Soft Tissue - REU Supplement	9/1/2012	8/31/2015	Ro112219	\$5,000	1
Fullwood, David		NSF	Microstructural Foundations of Magnesium Performance	9/1/2014	8/31/2017	Ro112260	\$5,000	1
Fullwood, David		NSF	GOALI: Deformation Microscopy of Retained Austenite Transformation in TRIP Steels	8/1/2015	7/31/2018	Ro112292	\$99,234	1
Fullwood, David		NSF	GOALI: Deformation Microscopy of Retained Austenite Transformation in TRIP Steels - Participant Support for Ro112292	8/1/2015	7/31/2018	Ro112294	\$667	1
Fullwood, David	w/ Bowden, Anton	NSF	Mobile Gait Analysis Using Wearable Piezoresponsive Nano-Composite Sensors	9/1/2015	8/31/2018	Ro112298	\$125,351	1
Fullwood, David		DOE	Grain Boundary - Dislocation Interactions in Polycrystals: Characterization and Simulation for the Effective Design of High-Ductility Structural Alloys	8/15/2014	8/14/2016	Ro202437	\$64,991	1
Gorell, Steven		Boeing	Development and Delivery of Aerospace Partners for the Advancement of Collaborative Engineering (AeroPACE)	12/6/2013	12/31/2016	Ro602430	\$14,100	4

Gorrell, Steven		Arnold Engineering & Development Center	Validation and Application of Firebolt 2.0 for Inlet-Fan Interaction	3/20/2014	9/30/2015	RO202414	\$50,000	1
Gorrell, Steven	w/ Maynes, Daniel	Concepts NREC	Optimizing the Design of a Stability Control Device in Turbopump Inducers	5/14/2014	5/31/2016	RO302560	\$26,137	2
Gorrell, Steven		Innovative Scientific Solutions, Inc. (AFRL)	Validation and Application of Firebolt 2.0 for Inlet-Fan Interaction	9/2/2015	12/31/2015	RO302637	\$15,000	2
Gorrell, Steven	w/ Salmon, John	Pratt & Whitney	Model Based Design	1/12/2015	12/31/2015	RO602465	\$35,000	4
Homer, Eric	w/ Fullwood, David	NSF	GOALI: Deformation Microscopy of Retained Austenite Transformation in TRIP Steels	8/1/2015	7/31/2018	RO112292	\$99,234	1
Homer, Eric	w/ Fullwood, David	NSF	GOALI: Deformation Microscopy of Retained Austenite Transformation in TRIP Steels - Participant Support for RO112292	8/1/2015	7/31/2018	RO112294	\$667	1
Homer, Eric	w/ Fullwood, David	DOE	Grain Boundary - Dislocation Interactions in Polycrystals: Characterization and Simulation for the Effective Design of High-Ductility Structural Alloys	8/15/2014	8/14/2016	RO202437	\$64,991	1
Howell, Larry		NASA	Monolithic Compliant Space Mechanisms Design Strategies	9/1/2013	8/31/2017	RO162018	\$66,750	1
Howell, Larry		NASA	Fundamentals of 3D Deployable Mechanisms in Space - NSTRF Fellowship, Alden Yellowhorse	8/1/2015	7/31/2019	RO162022	\$74,000	1
Iverson, Brian		NASA	Dynamic Control of Radiative Surface Properties with Origami-Inspired Design - NSTRF Fellowship, Rydge Mulford	8/1/2015	7/31/2019	RO162023	\$66,750	1
Iverson, Brian	w/ Crockett, Julie	Moxtek, Inc.	Droplet Formation and Removal Characteristics on Superhydrophobic Nano and Microstructural Surfaces	7/1/2015	7/1/2016	RO602481	\$11,783	4
Iverson, Brian		Iowa State University	High Aspect Ratio CNT Structures for Electrode Sensors	10/1/2015	5/31/2016	RO802039	\$7,000	4
Jones, Matthew		University of Utah (State of Utah)	Optimized Power Harvesting with Tunable Thermoelectric Generators	9/1/2015	8/31/2016	RO402277	\$36,500	3

Killpack, Marc		NASA	Model Predictive Control of an Underdamped, Pneumatically Actuated, Soft Robot with Flexible Links in Unmodeled Environments	9/5/2014	9/4/2017	RO162021	\$200,470	1
Killpack, Marc		NASA	Adaptive Control Methods for Soft Robots - NSTRF Fellowship, Joshua Wilson	8/1/2015	7/31/2017	RO162024	\$66,698	1
Killpack, Marc		General Dynamics Land Systems (ARL-RCTA)	Information-Based Soldier-Robot Interaction	1/21/2015	1/20/2016	RO302631	\$28,724	2
Killpack, Marc		General Dynamics Land Systems (ARL-RCTA)	Information-Based Soldier-Robot Interaction	1/21/2015	1/20/2016	RO302631	\$34,347	4
Killpack, Marc		Other Lab, Inc. (NASA)	Pneubotics: Membrane-based Robotics for Remote Material Handling	7/1/2015	12/31/2016	RO302634	\$197,442	2
Maynes, Daniel		ONR	Water Surface Skipping of Elastic Bodies	4/15/2013	12/31/2016	RO202390	\$27,000	1
Maynes, Daniel		Concepts NREC	Optimizing the Design of a Stability Control Device in Turbopump Inducers	5/14/2014	5/31/2016	RO302560	\$26,137	2
Maynes, Daniel		Concepts NREC	CFD Modeling of an heart pump	2/16/2015	4/17/2015	RO602473	\$8,000	4
Maynes, Daniel	w/ Crockett, Julie	Moxtek, Inc.	Droplet Formation and Removal Characteristics on Superhydrophobic Nano and Microstructural Surfaces	7/1/2015	7/1/2016	RO602481	\$11,782	4
McLain, Timothy		NSF	I/UCRC: Center for Unmanned Aircraft Systems (C-UAS)	3/1/2012	2/28/2017	RO112200	\$16,000	1
McLain, Timothy		NSF	I/UCRC Center for Unmanned Aircraft Systems annual support	9/1/2012	2/28/2017	RO112200	\$16,000	1
McLain, Timothy		AFRL (via NSF)	Interagency Membership Dues for C-UAS, NSF I/UCRC	9/1/2012	2/28/2017	RO112221	\$20,002	1
McLain, Timothy		ARL	C-UAS I/UCRC Membership Dues	9/1/2012	2/28/2017	RO112221	\$10,001	1
McLain, Timothy		NSF	I/UCRC Center for Unmanned Aircraft Systems- REU Supplement	3/1/2012	2/28/2017	RO112282	\$8,000	1
McLain, Timothy		NSF	I/UCRC FRP: Network-Enabled Airborne Autonomy	9/15/2015	8/31/2016	RO112300	\$39,986	1

McLain, Timothy		NSF	I/UCRC Phase I: Center for Unmanned Aircraft Systems	3/1/2012	2/28/2017	R0112302	\$199,562	1
McLain, Timothy		University of Florida (AFRL)	Aircraft Estimation and Control	3/10/2015	6/1/2018	R0302608	\$32,479	2
McLain, Timothy	w/ Beard, Randal	Utopia Compressor (Air Force)	Enabling Moving Target Hand-off in GPS-Denied Environments	6/8/2015	6/8/2016	R0302614	\$16,666	2
McLain, Timothy		URS Federal Services, Inc.	C-UAS I/UCRC Membership Dues	3/4/2015	3/3/2016	R0602390	\$20,000	4
McLain, Timothy		BP American Production	C-UAS NSF I/UCRC Membership Dues	5/3/2012	2/28/2017	R0602390	\$10,000	4
McLain, Timothy		Insitu, Inc.	C-UAS NSF I/UCRC Membership Dues	5/3/2012	2/28/2017	R0602390	\$10,000	4
Nelson, Tracy	w/ Miles, Michael	NSF	REU Supplement - GOALI: Crack Repair of Irradiated Stainless Steel by Friction Stir Processing	7/1/2014	6/30/2017	R0112283	\$2,500	1
Nelson, Tracy		Kawasaki Heavy Industries, Ltd.	Friction Stir I/UCRC Membership Dues	7/1/2014	6/16/2016	R0602451	\$15,000	4
Nelson, Tracy		EPRI	Investigation of Weld Related Cracking in Dissimilar Metal Welds	4/15/2015	1/15/2016	R0602485	\$44,987	4
Nelson, Tracy		GE Global	Simulating Inertial Friction Welding of Superalloys Using a Friction Stir Welding Machine	6/1/2015	12/31/2015	R0602489	\$54,000	4
Ning, Andrew	w/ Charles, Steven	NIH	Quantitative Characterization of Essential Tremor for Future Tremor Suppression	4/1/2015	3/31/2018	R0102069	\$141,082	1
Ning, Andrew		NSF	CyberSEES: Type 1: Collaborative Research: Large-Scale, Integrated, and Robust Wind Farm Optimization Enabled by Coupled Analytic Gradients	8/1/2015	8/31/2017	R0112295	\$199,935	1
Ning, Andrew		National Renewable Energy Laboratory (DOE)	Systems and Engineering of Wind Turbines and Plants	9/24/2014	9/23/2015	R0302576	\$9,973	2
Ning, Andrew		National Renewable Energy Laboratory (DOE)	Systems and Engineering of Wind Turbines and Plants	9/24/2014	12/31/2015	R0302576	\$20,000	2
Ning, Andrew	w/ Crockett, Julie	Twig and Wire	Wind Energy: Power Estimate for a Novel Vertical Axis Wind Turbine Design	12/14/2015	6/30/2016	R0602500	\$9,900	4

Red, Edward		NSF	I/UCRC BYU v-CAX Research Site, Center for e-Design	2/15/2011	1/31/2016	R0112181	\$18,333	1
Red, Edward		ARL (NSF)	US Army Research Lab I/UCRC Center for e-Design Membership	3/11/2015	1/31/2016	R0112278	\$48,724	1
Red, Edward		NSF	REU Supplement for I/UCRC Center for e-Design	2/15/2011	1/31/2016	R0112287	\$5,328	1
Red, Edward		PCC Airfoils	I/UCRC Center for e-Design Membership Dues	9/7/2011	1/31/2016	R0602349	\$7,500	4
Red, Edward		CD-Adapco	I/UCRC Center for e-Design Membership Dues	2/15/2011	1/31/2016	R0602349	\$15,000	4
Red, Edward		CD-Adapco	Center for e-Design I/UCRC Membership Dues	1/1/2011	12/31/2016	R0602349	\$7,500	4
Red, Edward		Pratt & Whitney	I/UCRC Center for e-Design Membership Dues	2/15/2011	1/31/2016	R0602349	\$10,000	4
Red, Edward	w/ French, David	Pratt & Whitney	Piloting Advanced Collaboration Tools for Engineering Design	1/30/2015	3/31/2015	R0602464	\$24,166	4
Red, Edward		Raytheon	PTC Creo Multi-User Capability Assessment	3/12/2015	5/29/2015	R0602470	\$15,000	4
Red, Edward		Boeing	Performance Validation of Multi-User CAD for Bid Designs and Design Specification Using Product Manufacturing Information	10/26/2015	1/30/2016	R0602493	\$90,000	4
Salmon, John	w/ Red, Edward	NSF	I/UCRC BYU v-CAX Research Site, Center for e-Design	2/15/2011	1/31/2016	R0112181	\$18,333	1
Salmon, John	w/ Red, Edward	NSF	REU Supplement for I/UCRC Center for e-Design	2/15/2011	1/31/2016	R0112287	\$5,328	1
Salmon, John	w/ Red, Edward	CD-Adapco	I/UCRC Center for e-Design Membership Dues	2/15/2011	1/31/2016	R0602349	\$15,000	4
Salmon, John	w/ Red, Edward	Pratt & Whitney	I/UCRC Center for e-Design Membership Dues	2/15/2011	1/31/2016	R0602349	\$10,000	4
Salmon, John	w/ French, David	Pratt & Whitney	Piloting Advanced Collaboration Tools for Engineering Design	1/30/2015	3/31/2015	R0602464	\$24,167	4
Salmon, John		Pratt & Whitney	Model Based Design	1/12/2015	12/31/2015	R0602465	\$35,000	4
Salmon, John		Spirit AeroSystems	Spirit AeroSystems KBE Applications projects	10/8/2015	10/8/2020	R0602486	\$40,000	4
Sorensen, Carl		Technology Service Corporation (AFRL/AFOSR)	University Engineering Design Challenge (Capstone)	8/15/2014	8/14/2016	R0302568	\$20,000	2

Sorensen, Carl		LANL	Capstone Project - Plastic Part Slicer	12/4/2015	5/30/2016	RO302646	\$20,000	2
Sorensen, Carl	w/ Nelson, Tracy	Kawasaki Heavy Industries, Ltd.	Friction Stir I/UCRC Membership Dues	7/1/2014	6/16/2016	RO602451	\$15,000	4
Sorensen, Carl		EPRI	Investigation of Weld Related Cracking in Dissimilar Metal Welds	4/15/2015	1/15/2016	RO602485	\$44,987	4
Sorensen, Carl	w/ Nelson, Tracy	GE Global	Simulating Inertial Friction Welding of Superalloys Using a Friction Stir Welding Machine	6/1/2015	12/31/2015	RO602489	\$54,000	4
School of Technology								
Hansen, Derek		NSF	Advancing Informal STEM Learning with Alternate Reality Games	10/1/2013	9/30/2016	RO112242	\$137,798	1
Lunt, Barry		Millenniata, Inc.	Manufacturability of Permanent Solid-State Memory	9/1/2014	4/30/2015	RO602456	\$500	4
Miles, Michael	w/ Fullwood, David	NSF	Microstructural Foundations of Magnesium Performance	9/1/2014	8/31/2017	RO112260	\$5,000	1
Miles, Michael		NSF	REU Supplement - GOALI: Crack Repair of Irradiated Stainless Steel by Friction Stir Processing	7/1/2014	6/30/2017	RO112283	\$2,500	1
Miles, Michael	w/ Fullwood, David	NSF	GOALI: Deformation Microscopy of Retained Austenite Transformation in TRIP Steels	8/1/2015	7/31/2018	RO112292	\$99,234	1
Miles, Michael	w/ Fullwood, David	NSF	GOALI: Deformation Microscopy of Retained Austenite Transformation in TRIP Steels - Participant Support for RO112292	8/1/2015	7/31/2018	RO112294	\$666	1
Shumway, Steven	w/ Hansen, Derek	NSF	Advancing Informal STEM Learning with Alternate Reality Games	10/1/2013	9/30/2016	RO112242	\$137,796	1

Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private

Department Totals	
Chemical Engineering	\$1,539,210
Civil & Environmental Engineering	\$1,102,929
Electrical & Computer Engineering	\$3,257,592
Mechanical Engineering	\$3,460,148
School of Technology	\$383,494
College Total:	\$9,743,373

Engineering & Technology

Source Breakdown of Grants and Contracts

Sponsor	Number Awarded	Total Amount
Federal		
AFOSR	1	\$201,026
AFRL (NSF)	1	\$60,000
AFRL/RWK	1	\$114,952
ARL	1	\$30,001
ARL (NSF)	1	\$48,724
Arnold Engineering & Development Center	1	\$50,000
DOE	1	\$129,982
NASA	9	\$770,424
NASA Goddard (via NSF)	1	\$20,005
NIH	2	\$1,114,792
NSF	24	\$2,174,238
Office of Nuclear Energy (DOE)	1	\$15,000
ONR	1	\$27,000
US Army	9	\$713,096
US Forest Service	1	\$30,000
VA	1	\$30,909
Total	56	\$5,530,149

Engineering & Technology

Source Breakdown of Grants and Contracts

Federal Subcontracts

Concepts NREC	1	\$52,274
Cornell (NSF/USRA)	2	\$27,000
CUAHSI (NSF)	1	\$30,343
General Dynamics Land Systems (ARL-RCTA)	1	\$28,724
Georgia Tech (DOE, INL)	1	\$41,488
Innovative Scientific Solutions, Inc. (AFRL)	1	\$15,000
JPL (NASA)	1	\$30,050
LANL	2	\$121,053
LBNL (DOE)	3	\$206,652
Los Alamos National Security (LANL/DOE)	1	\$8,891
National Renewable Energy Laboratory (DOE)	2	\$29,973
Other Lab, Inc. (NASA)	1	\$197,442
Smart Vision Works International (USDA)	1	\$166,000
Stanford (NIH)	2	\$144,400
Technology Service Corporation (AFRL/AFOSR)	1	\$20,000
TIPD LLC (AFRL)	1	\$52,500
U of Florida (AFRL)	1	\$64,957
U of Texas at Austin (NSF)	1	\$10,000
U of Utah (DOE)	4	\$201,407
U of Utah (NASA)	2	\$80,600
UC Santa Cruz (NIH)	1	\$101,000
University of Illinois (Illinois DOT/ US DOT)	1	\$36,674
USU (NSF)	1	\$91,631
USU (USURF/SDL)	1	\$7,500
Utopia Compression (Air Force)	1	\$50,000
Total	35	\$1,815,559

Engineering & Technology

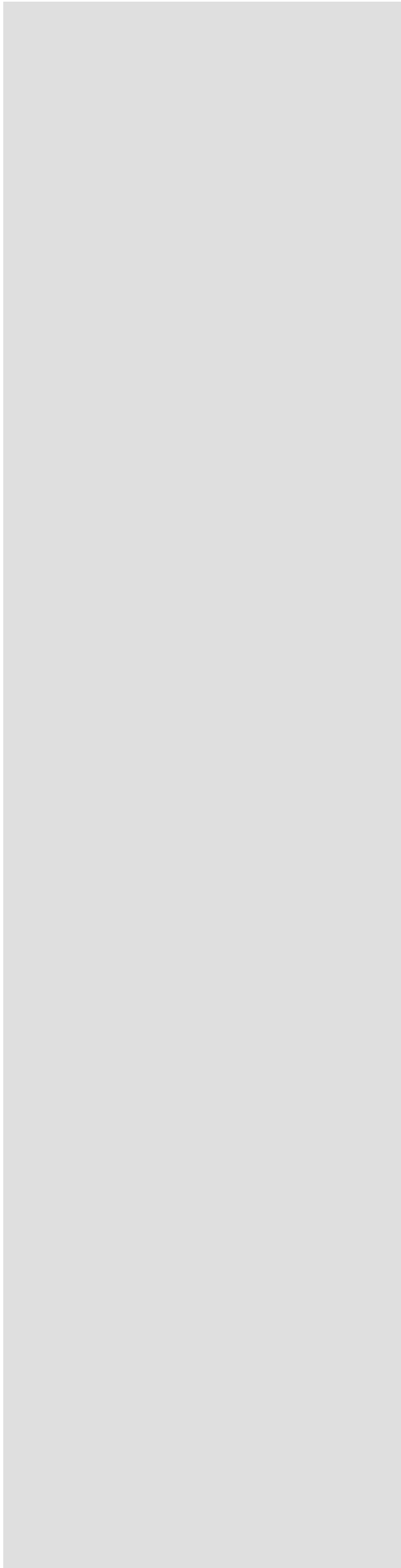
Source Breakdown of Grants and Contracts

State

Salt Lake Co. Public Works	1	\$4,995
U of Utah (State of Utah)	1	\$36,500
UDOT	7	\$512,298
Total	9	\$553,793

Private

Acell, Inc.	1	\$27,000
American Institute of Steel Construction	1	\$10,000
Boeing	2	\$104,100
BP American Production	1	\$30,000
CD-Adapco	3	\$77,500
Cisco Systems, Inc.	1	\$15,000
Concepts NREC	1	\$8,000
Convergent Concrete Technologies	2	\$4,200
CoreBrace, LLC	1	\$28,046
DAQRI	1	\$325,000
Elsevier Limited	1	\$26,000
EPRI	2	\$89,974
GE Global	1	\$108,000
General Dynamics Land Systems (ARL-RCTA)	1	\$34,347
Insitu, Inc.	1	\$30,000
Iowa State University	1	\$7,000
Kawasaki Heavy Industries, Ltd.	1	\$30,000
Merit Medical Systems	1	\$65,700
Millenniata, Inc.	1	\$500
Moxtek, Inc.	1	\$35,348
NIIVA Tech, Inc.	1	\$19,050
ON Semiconductor	1	\$13,000
PCC Airfoils	1	\$7,500
PerkinElmer Health Sciences, Inc.	1	\$69,840
Pratt & Whitney	3	\$162,500
Raytheon	1	\$15,000
SES	2	\$104,229
SINTEF Petroleum AS	2	\$11,820
Spirit AeroSystems	1	\$40,000
Sustainable Energy Solutions(U of WY/St of WY)	1	\$97,500
Tensar International Corp.	1	\$37,000
Torion / PerkinElmer	1	\$73,030
Twig and Wire	1	\$19,800
U of Arkansas (Arkansas DOT)	1	\$50,000
URS Federal Services, Inc.	1	\$40,000
Varian Medical Systems	1	\$27,888
Total	45	\$1,843,872

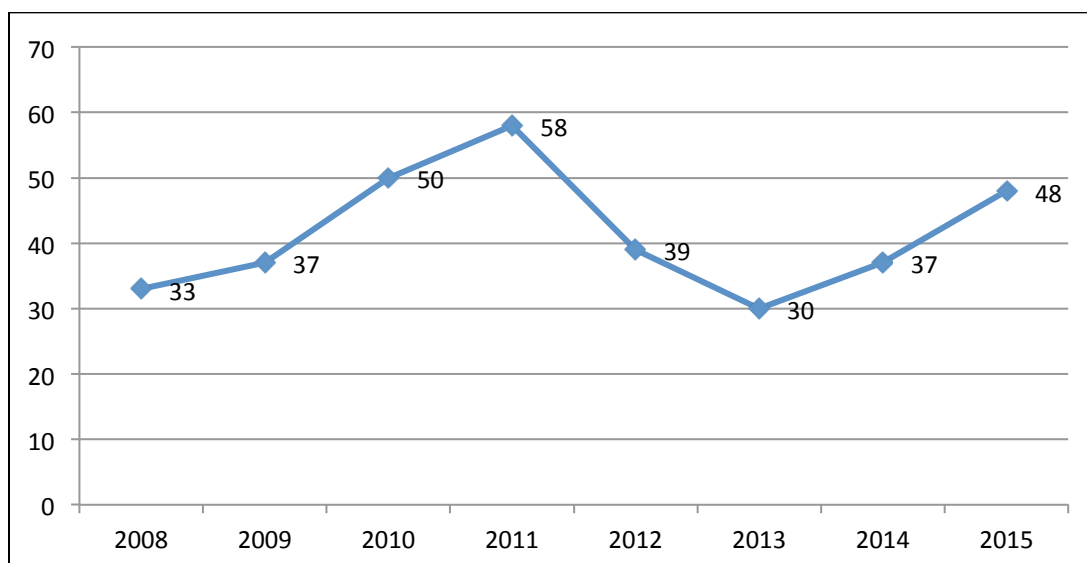


College of Family, Home & Social Sciences

Summary of Sponsored Research (Grants & Contracts)

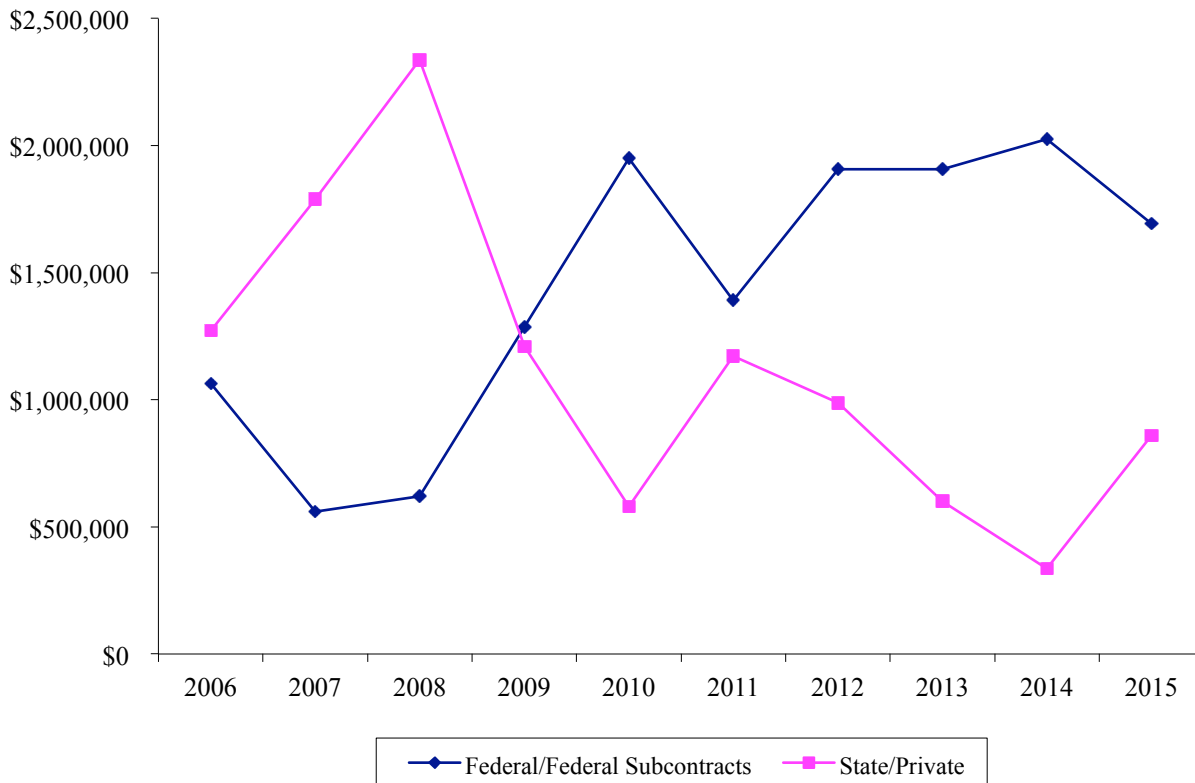
Department	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Anthropology	2	2	0	\$0
Center for Studies of the Family	0	0	0	\$0
Economics	2	3	4	\$392,505
Geography	0	0	2	\$99,948
History	1	1	0	\$0
Home & Family Living	0	0	0	\$0
Joseph Smith Field Institute	0	0	0	\$0
Marriage & Family Therapy	0	0	0	\$0
Marriage, Family & Human Development	0	0	0	\$0
Office of Public Archaeology	1	7	6	\$377,826
Political Science	7	9	11	\$680,301
Psychology	9	22	9	\$897,087
School of Family Life	1	1	2	\$10,458
Sociology	6	9	5	\$64,566
Social Work	1	1	2	\$29,598
Totals:	30	48	41	\$2,552,289

Proposal Submission Activity



External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2006	\$1,063,435	\$1,272,255	\$2,335,690
2007	\$558,863	\$1,787,919	\$2,346,782
2008	\$619,487	\$2,338,279	\$2,957,766
2009	\$1,287,523	\$1,209,318	\$2,496,841
2010	\$1,948,855	\$580,250	\$2,529,105
2011	\$1,391,892	\$1,172,630	\$2,564,522
2012	\$1,907,383	\$987,853	\$2,564,522
2013	\$1,908,007	\$600,123	\$2,377,935
2014	\$2,024,525	\$334,700	\$2,359,225
2015	\$1,692,729	\$859,560	\$2,552,289



Family, Home & Social Sciences 2015 Awards

PI	Co-PI	Sponsor	Title	Beg Date	End Date	Account	Amount	Type
Economics								
Condie, Scott		DHS	Financial Sector Situational Awareness Part 1: Stock Markets	8/21/2015	8/20/2017	R0202458	\$225,154	1
Pope, Arden		University of Louisville (NIH)	Endothelial Progenitor Cells and Particulate Air Pollution	9/23/2011	4/1/2016	R0302427	\$119,376	2
Price, Joseph		University of Wisconsin (USDA)	The impact of expanding the National School Meals Program on School Performance	7/1/2015	12/31/2016	R0302616	\$38,899	2
Price, Joseph		University of Iowa (SAMHSA)	Habit Formation and the Persistent Impact of WIC	11/15/2014	9/29/2015	R0302632	\$9,076	2
Geography								
Jensen, Ryan	w/Aanderud, Zachary	USU (NSF)	iUtah-innovative Urban Transitions and Arid Region Hydro-sustainability	8/1/2014	7/31/2015	R0302477	\$27,929	2
Jensen, Ryan	w/Aanderud, Zachary	USU (NSF)	Year 4: iUTAH-innovative Urban Transitions and Arid region Hydro-sustainability	8/1/2012	7/31/2016	R0302477	\$72,019	2
Office of Public Archeology								
Talbot, Richard		University of Alberta	Promontory Caves Scanning Project	9/7/2015	12/31/2015	R0570010	\$4,526	4
Talbot, Richard		US Forest Service	Cultural Resource Identification, Evaluation and Management	7/25/2013	7/30/2016	R0202399	\$76,000	1
Talbot, Richard		US Forest Service	Cultural Resources Identification, Evaluation and Management	7/25/2013	7/30/2016	R0202399	\$25,000	1
Talbot, Richard		UT DOGM	Price - Indian Canyon Survey	9/5/2014	10/31/2014	R0402060	\$4,600	3
Talbot, Richard		Stanley Consultanta (UDOT)	Provo Westside Connector Project	10/20/2014	12/31/2015	R0402266	\$258,200	3
Talbot, Richard		Inst. Of Prairie Arch, U. of Alberta	Promontory Collection	6/24/2013	12/31/2015	R0570000	\$9,500	4
Political Science								
Bowen, Donna Lee		TAMU (DoD)	Household Formation Systems, Marriage Markets and Societal Stability/Resilience	9/1/2014	8/31/2015	R0302575	\$7,262	2
Bowen, Donna Lee		TAMU (DoD)	Household Formation Systems, Marriage, Markets and Social Stability	9/1/2014	8/31/2015	R0302575	\$1,690	2

Bowen, Donna Lee		TAMU (DoD)	Household Formation Systems, Marriage Markets and Societal Stability/Resilience	9/1/2014	8/31/2016	R0302575	\$22,536	2
Hyer, Eric		University of Utah (DofEd)	NRC	8/14/2014	8/14/2016	R0302596	\$106,433	2
Hyer, Eric		University of Utah (DofEd)	FLAS	8/14/2014	8/14/2016	R0302597	\$319,500	2
Nielson, Daniel		College of William & Mary (USAID)	Where the Money Goes: Mapping Aid for Better Impact	10/1/2012	9/30/2015	R0302482	\$85,000	2
Nielson, Daniel		College of William & Mary (USAID)	Where the Money Goes: Mapping Aid for Better Impact	10/1/2012	9/30/2015	R0302482	\$50,045	2
Nielson, Daniel		College of William & Mary (USAID)	Where the Money Goes: Mapping Aid for Better Impact	10/1/2012	9/30/2017	R0302482	\$13,585	2
Pope, Jeremy		Deseret News	Leading National Indicators Related to Marriage, Parenting, and Public Policy	5/1/2015	9/21/2015	R0702015	\$41,500	4
Pope, Jeremy		Deseret News	Leading National Indicators Related to Marriage Parenting, and Public Policy	5/1/2015	12/31/2016	R0702015	\$1,500	4
Selway, Joel		University of Michigan (NSF)	An Interdisciplinary Approach to Understanding the Effectiveness of Aid-Funded Programs: Spatial Analysis of Development Outcomes	8/15/2015	7/31/2016	R0302645	\$31,250	2
Psychology								
Bigler, Erin		NIH via UCSD	A Psychiatric and Imaging Study of Pediatric Mild Traumatic Brain Injury	9/1/2011	6/30/2016	R0302450	\$61,279	2
Bigler, Erin		Nationwide Children's Hospital (NIH)	Predicting Outcomes of Pediatric Mild Trumatic Brain Injury	8/23/2013	5/31/2016	R0302540	\$67,804	2
Bigler, Erin		NeuroImaging	NeuroImaging	4/30/1991	12/31/2015	R0600381	\$500	4
Bigler, Erin		NeuroImaging	NeuroImaging	4/30/1991	12/31/2016	R0600381	\$500	4
Bigler, Erin		IHC	An MRI and EEG Study of Hyperbaric Oxygen in Post-Concussive Syndrome-HYBOBI2	1/15/2015	1/31/2017	R0602463	\$60,500	4
Carpenter, Bruce		Utah Dept of Corrections	Clinical Psychology - Utah State Prison	10/1/2013	9/30/2018	R0402227	\$400,000	3
Kirwan, Brock	w/ Anderson, Bonnie	NSF	The Force of Habit: Using MRI to Explain User's Habituation to Security Warnings	9/1/2014	8/31/2016	R0112267	\$19,395	1
Larson, Michael	w/ Bigler, Erin	IHC	An MRI and EEG Study of Hyperbaric Oxygen in Post-Concussive Syndrome-HYBOBI2	1/15/2015	1/31/2017	R0602463	\$60,500	4
Steffensen, Scott		NIH	Neuroplasticity with alcohol dependency	8/1/2015	7/31/2017	R0102059	\$96,600	1
Steffensen, Scott		NIH	Nicotine and Alcohol Co-Dependence	6/1/2014	5/31/2019	R0102066	\$130,009	1
School of Family Life								
Carroll, Jason	w/ Willoughby, Brian	Eastpoint Foundation	Understanding Pornography Use: Frequency and Duration	1/1/2015	12/31/2015	R0502207	\$1,000	4

Hawkins, Alan		University of Denver (ACF)	Secondary Analysis of Federal Strengthening Families Datasets	5/1/2015	9/29/2016	R0302619	\$8,458	2
Willoughby, Brian		Eastpoint Foundation	Understanding Pornography Use: Frequency and Duration	1/1/2015	12/31/2015	R0502207	\$1,000	4
Sociology								
Child, Curtis		VA	Assessing Process and Outcomes of the Veteran-Community Partnerships(VCP)project	10/1/2014	9/30/2015	R0202452	\$20,498	1
Sanders, Scott		Rural Sociological Society	Treasurer and Executive Director Appointment for the Society	2/8/2012	8/30/2015	R0502112	\$3,734	4
Ward, Carol		VA	Assessing Process and Outcomes of the Veteran-Community Partnerships(VCP)project	10/1/2014	9/30/2015	R0202453	\$23,622	1
Ward, Carol		Chief Dull Knife College (NASA)	Connecting Research to Student Success	7/1/2015	6/30/2016	R0302621	\$7,800	2
Ward, Carol		Chief Dull Knife College (NSF)	Evaluation of the CDKC Project: Research Engagement Across the Curricular Tracks	10/1/2015	9/30/2016	R0302636	\$8,912	2
Social Work								
Clark, Charlene		Utah Commission on Volunteers(Fed)	2015-16 AmeriCorps Program	8/15/2015	8/14/2016	R0302633	\$17,598	2
Limb, Gordon		Provo Canyon Behavioral Hospital	PCBH and School of Social Work Internship Partnership	1/10/2014	1/9/2024	R0602440	\$12,000	4

Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private

Department Totals	
Anthropology	\$0
Economics	\$392,505
Geography	\$99,948
History	\$0
School of Family Life	\$10,458
Joseph Fielding Smith Institute	\$0
Marriage & Family Therapy	\$0
Office of Public Archaeology	\$377,826
Political Science	\$680,301
Psychology	\$897,087
Social Work	\$29,598
Sociology	\$64,566
College Total:	\$2,552,289

Family, Home & Social Sciences

Source Breakdown of Grants and Contracts

Sponsor	Number Awarded	Total Amount
Federal		
DHS	1	\$225,154
NIH	2	\$226,609
NSF	1	\$19,395
US Forest Service	2	\$101,000
VA	2	\$44,120
Total	8	\$616,278
Federal Subcontracts		
Chief Dull Knife College (NASA)	1	\$7,800
Chief Dull Knife College (NSF)	1	\$8,912
College of William & Mary (USAID)	3	\$148,630
Nationwide Children's Hospital (NIH)	1	\$67,804
NIH via UCSD	1	\$61,279
TAMU (DoD)	3	\$31,488
U of Denver (ACF)	1	\$8,458
U of Iowa (SAMHSA)	1	\$9,076
U of Louisville (NIH)	1	\$119,376
U of Michigan (NSF)	1	\$31,250
U of Utah (DoED)	2	\$425,933
U of Wisconsin (USDA)	1	\$38,899
USU (NSF)	2	\$99,948
Utah Commission on Volunteers(Fed)	1	\$17,598
Total	20	\$1,076,451
State		
Stanley Consultants (UDOT)	1	\$258,200
UT DOGM	1	\$4,600
Utah Dept of Corrections	1	\$400,000
Total	3	\$662,800
Private		
Deseret News	2	\$43,000
Eastpoint Foundation	1	\$2,000
IHC	1	\$121,000
NeuroImaging	2	\$1,000
Provo Canyon Behavioral Hospital	1	\$12,000
Rural Sociological Society	1	\$3,734
U of Alberta	2	\$14,026
Total	10	\$196,760

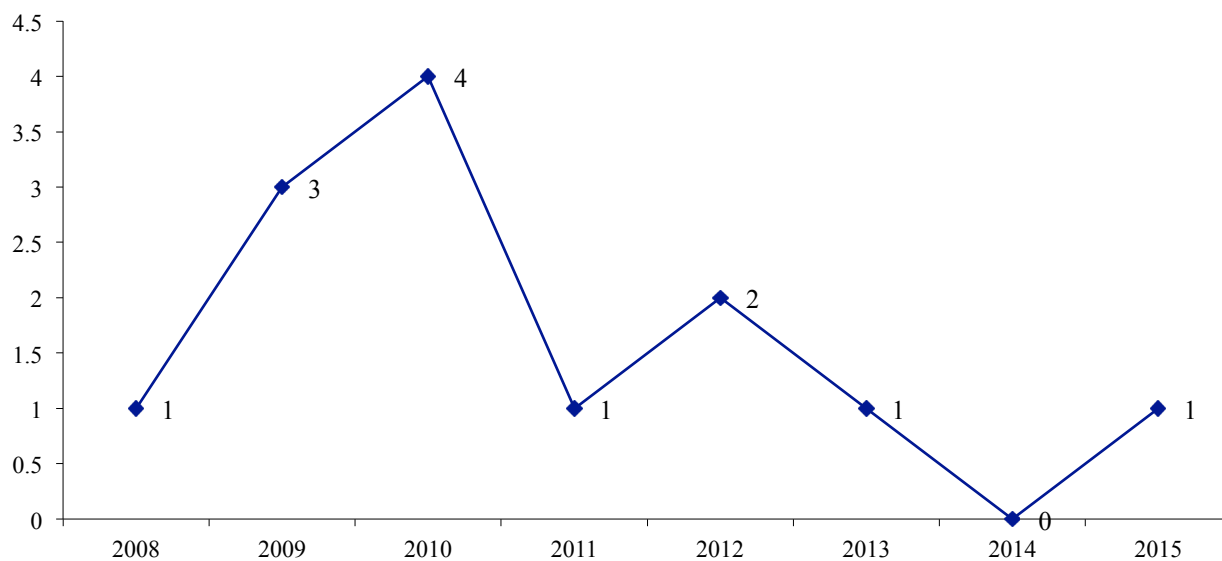


College of Fine Arts & Communications

Summary of Sponsored Research (Grants & Contracts)

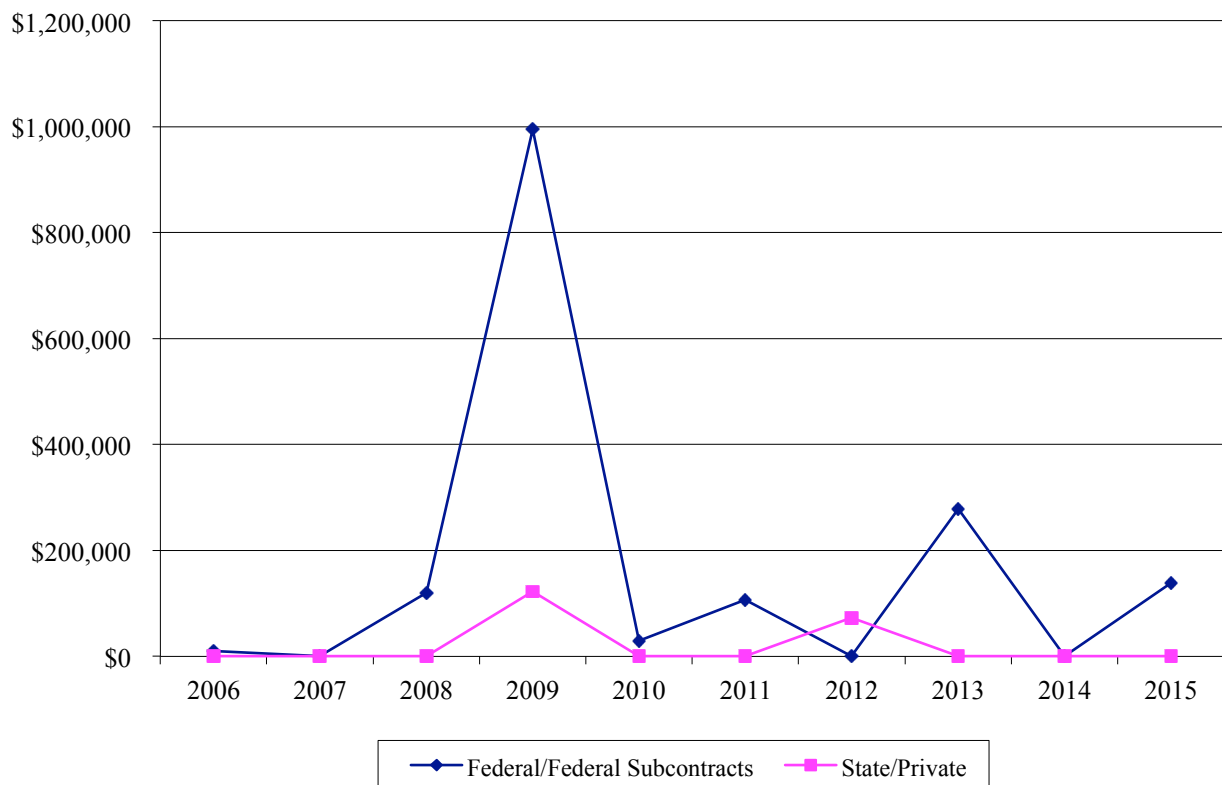
Department	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Art	0	0	0	\$0
Communications	0	0	1	\$137,798
Dance	1	1	0	\$0
Design	0	0	0	\$0
School of Music	0	0	0	\$0
Theatre & Media Arts	0	0	0	\$0
Totals:	1	1	1	\$137,798

Proposal Submission Activity



External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2006	\$10,000	\$0	\$10,000
2007	\$0	\$0	\$0
2008	\$120,000	\$0	\$0
2009	\$995,395	\$122,900	\$1,118,296
2010	\$30,000	\$0	\$0
2011	\$107,250	\$0	\$107,250
2012	\$0	\$72,500	\$72,500
2013	\$278,688	\$0	\$278,688
2014	\$0	\$0	\$0
2015	\$137,798	\$0	\$137,798



Fine Arts & Communications 2015 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Beg Date</u>	<u>End Date</u>	<u>Account</u>	<u>Amount</u>	<u>Type</u>
Communications								
Sheets, Jeff	w/ Hansen, Derek	NSF	Advancing Informal STEM Learning with Alternate Reality Games	10/1/2013	9/30/2016	R0112242	\$137,798	1

Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private

Department Totals	
Art	\$0
Communications	\$137,798
Dance	\$0
Design	\$0
School of Music	\$0
Theatre & Media Arts	\$0
College Total:	\$137,798

Fine Arts & Communications Source Breakdown of Grants and Contracts

<u>Sponsor</u>	<u>Number Awarded</u>	<u>Total Amount</u>
Federal		
NSF	1	\$137,798
	Total	\$137,798
Federal Subcontracts		
None		
	Total	
State		
None		
	Total	
Private		
None		
	Total	

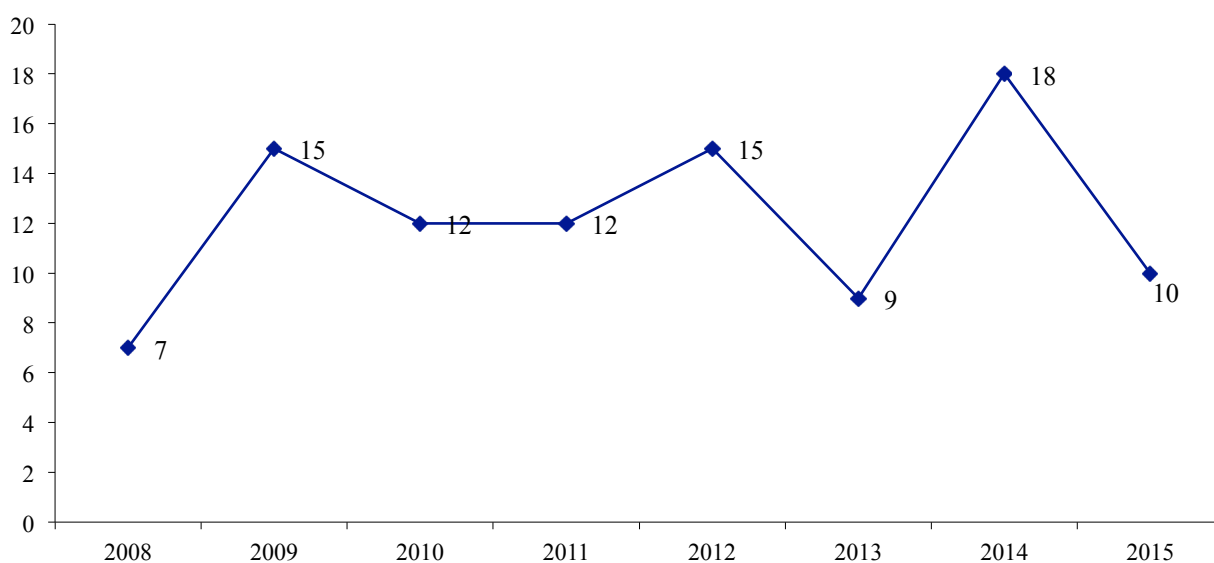


College of Humanities

Summary of Sponsored Research (Grants & Contracts)

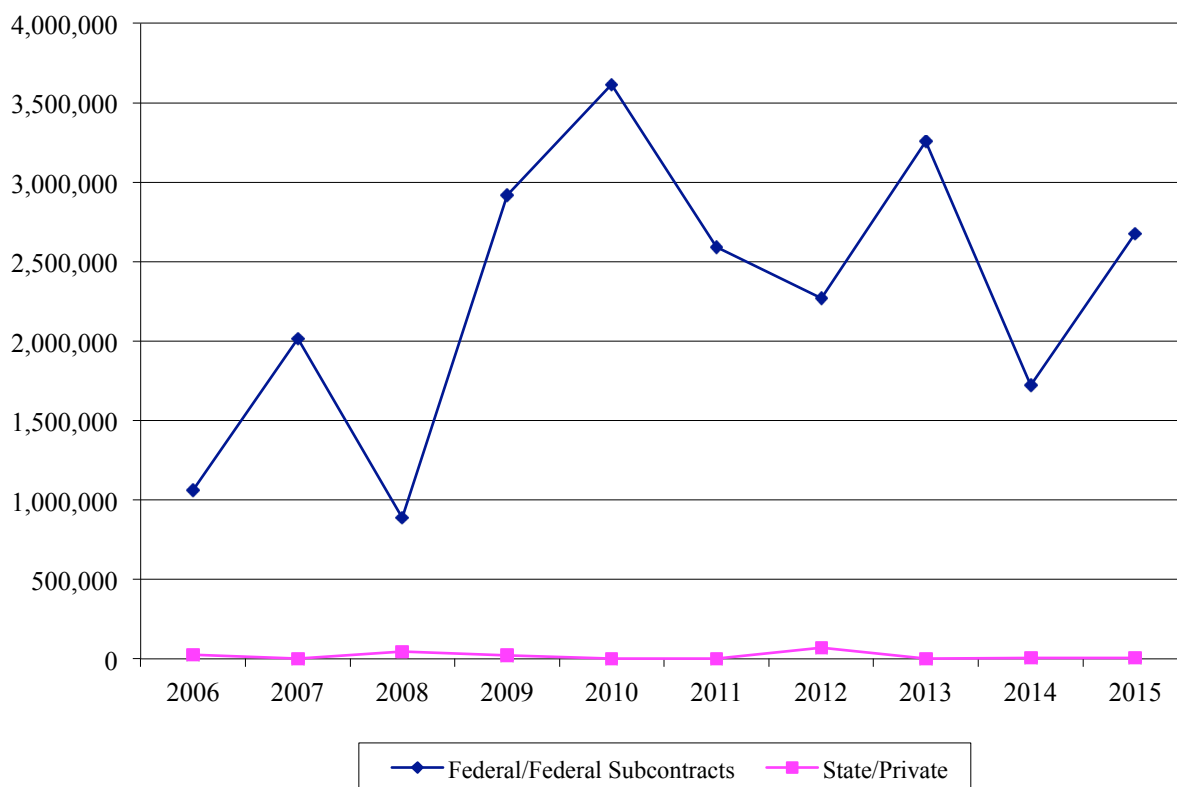
Department	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Asian & Near Eastern Languages	4	6	3	\$748,072
Center for Language Studies	0	0	2	\$1,210,989
English	2	2	0	\$0
French and Italian	0	0	0	\$0
German & Slavic Languages	0	0	0	\$0
Humanities, Classic & Comparative Literature	1	1	2	\$5,000
Linguistics	1	1	2	\$276,373
Philosophy	0	0	0	\$0
Spanish & Portuguese	0	0	3	\$439,448
Totals:	8	10	12	\$2,679,882

Proposal Submission Activity



External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2006	\$1,060,844	\$24,000	\$1,084,844
2007	\$2,016,930	\$0	\$2,016,930
2008	\$887,113	\$48,000	\$935,113
2009	\$2,916,487	\$20,477	\$2,936,964
2010	\$3,616,093	\$0	\$3,616,093
2011	\$2,591,182	\$0	\$2,591,182
2012	\$2,270,998	\$71,200	\$2,342,198
2013	\$3,255,497	\$3,420	\$3,258,917
2014	\$1,720,219	\$6,000	\$1,726,219
2015	\$2,674,882	\$5,000	\$2,679,882



Humanities 2015 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Beg Date</u>	<u>End Date</u>	<u>Account</u>	<u>Amount</u>	<u>Type</u>
<i>Asian & Near Eastern Languages</i>								
Belnap, Kirk		National Security Agency	BYU 2015 STARTALK Arabic Camp	3/31/2015	2/28/2016	R0202448	\$87,188	1
Bourgerie, Dana		NSA	BYU STARTALK Student Program	3/31/2015	2/28/2016	R0202447	\$90,000	1
Christensen, Matthew		IIE	Chinese Overseas Flagship Program 2015-16	6/1/2015	5/31/2016	R0302628	\$570,884	2
<i>Center for Language Studies</i>								
Christensen, Matthew		IIE	Flagship Language Acquisition Network	11/1/2014	9/29/2016	R0302589	\$625,418	2
Christensen, Matthew		Inst.for International Ed. through National Security	K-12 Program	11/1/2014	9/29/2016	R0302589	\$585,571	2
<i>Humanities, Classic & Comparative Literature</i>								
Oscarson, Christopher		Centre for International Mobility (CIMO)	Finnish Course Development	9/1/2015	8/31/2016	R0570007	\$2,500	4
Oscarson, Christopher		Centre for International Mobility (CIMO)	Finnish Course Development	9/1/2015	8/31/2016	R0570007	\$2,500	4
<i>Linguistics</i>								
Davies, Mark		NEH	Billion Word Extensions to the Corpus del Espanol and the Corpus do Potugues	5/1/2015	12/31/2017	R0202451	\$200,000	1
Rogers, Chris		NSF	Synchronic, Diachronic and Typological Description of Maku	9/1/2015	2/28/2017	R0112290	\$76,373	1
<i>Spanish & Portuguese</i>								
Lund, Christopher		University of Utah (DofEd)	Title VI NRC FLAS	8/14/2014	8/15/2016	R0302595	\$252,000	2
Lund, Christopher		University of Utah (DofEd)	Title VI NRC FLAS	8/14/2014	8/15/2016	R0302599	\$93,724	2
Lund, Christopher		University of Utah (DOE)	Title VI NRC FLAS (Latin American Studies)	8/14/2014	8/15/2016	R0302599	\$93,724	2

Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private

Department Totals		
Asian & Near Eastern Languages		\$748,072
Center for Language Studies		\$1,210,989
English		\$0
French & Italian		\$0
German & Slavic Languages		\$0
Hum, Classics & Comparative Lit		\$5,000
Humanities Research Center		\$0
Linguistics		\$276,373
Philosophy		\$0
Spanish & Portuguese		\$439,448
College Total:		<u>\$2,679,882</u>

Humanities

Source Breakdown of Grants and Contracts

Sponsor	Number Awarded	Total Amount
Federal		
NEH	1	\$200,000
NSA	2	\$177,188
NSF	1	\$76,373
Total	<u>4</u>	<u>\$453,561</u>
Federal Subcontracts		
IIE	3	\$1,781,873
U of Utah (DofEd)	3	\$439,448
Total	<u>6</u>	<u>\$2,221,321</u>
State		
None		
Total		
Private		
Centre for International Mobility (CIMO)	2	\$5,000
Total	<u>2</u>	<u>\$5,000</u>

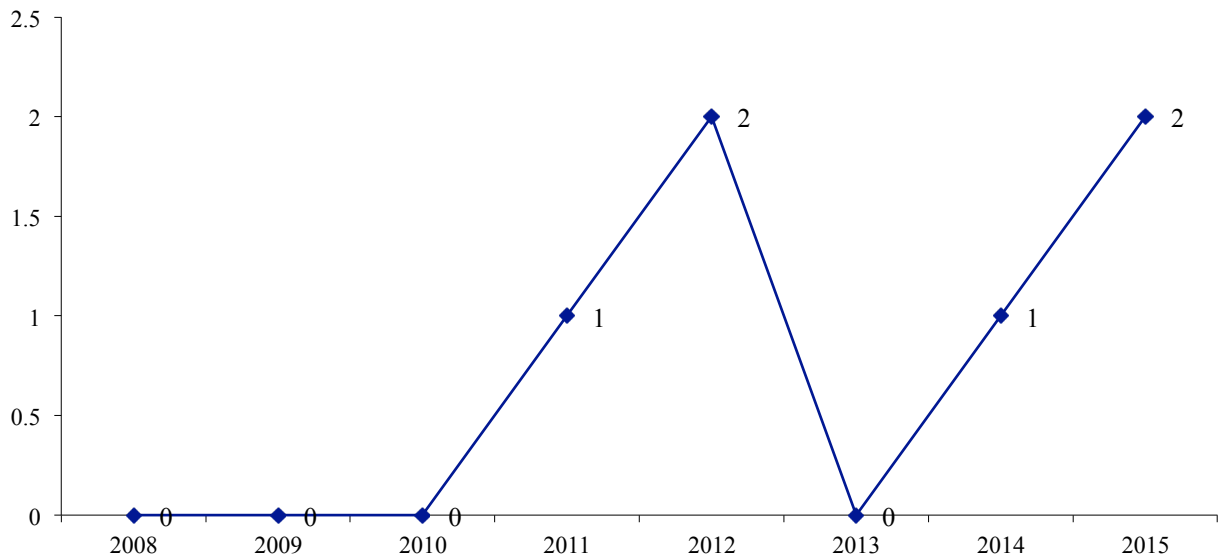


J. Reuben Clark Law School

Summary of Sponsored Research (Grants & Contracts)

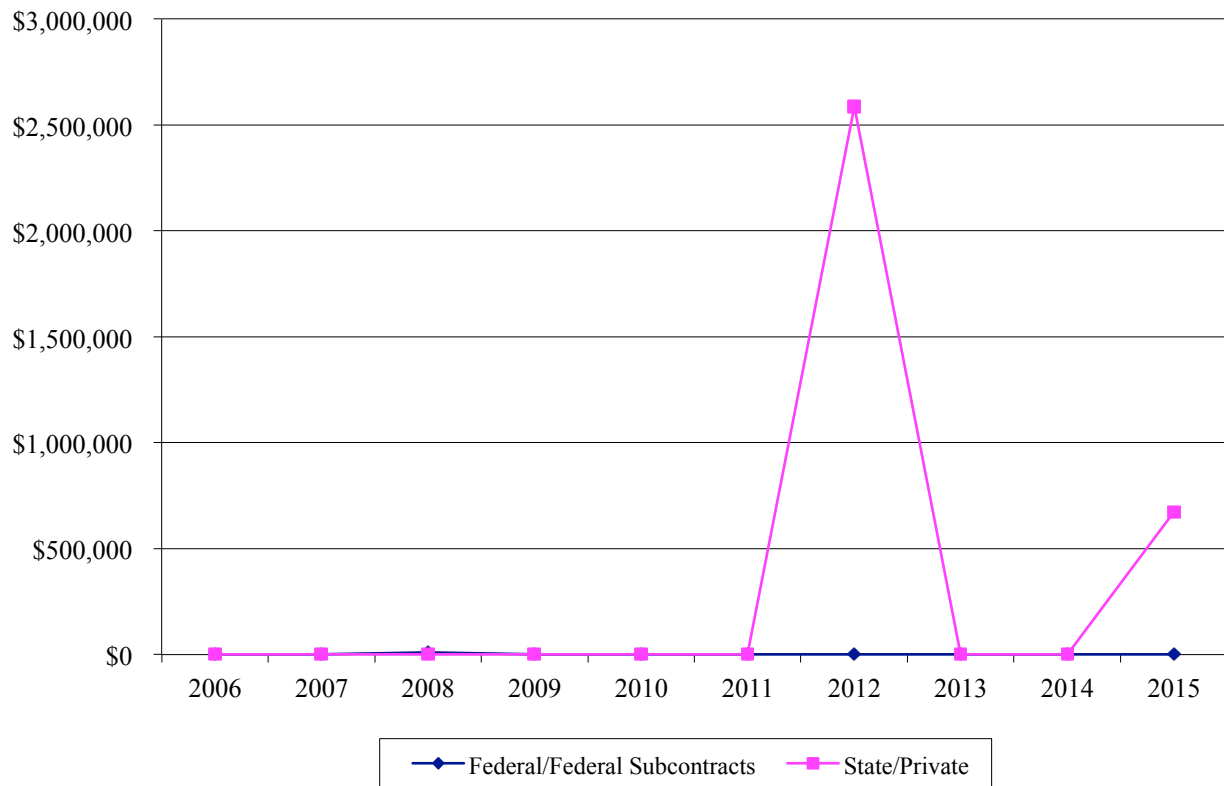
Department	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Law School	3	2	2	\$670,637
Totals:	3	2	2	\$670,637

Proposal Submission Activity



External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2006	\$0	\$0	\$0
2007	\$0	\$0	\$0
2008	\$10,000	\$0	\$10,000
2009	\$0	\$0	\$0
2010	\$0	\$0	\$0
2011	\$0	\$0	\$0
2012	\$0	\$2,588,209	\$2,588,209
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$670,637	\$670,637



J. Reuben Clark Law School 2015 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Beg Date</u>	<u>End Date</u>	<u>Account</u>	<u>Amount</u>	<u>Type</u>
<i>J. Reuben Clark Law School</i>								
Doxey, Gary	w/ Durham, Cole	IGE (Templeton Foundation)	Religion and the Rule of Law: Sustainable Reform in Southeast Asia	12/9/2014	3/31/2017	R0502208	\$321,318	4
Durham, Cole		IGE (Templeton Foundation)	Religion and the Rule of Law: Sustainable Reform in Southeast Asia	12/9/2014	3/31/2017	R0502208	\$321,319	4
Smith, Gordon		Kauffman Foundation	Travel Support for the Law and Entrepreneurial Action Conference - Provo, UT - Feb. 26 & 27, 2016	5/5/2015	9/1/2016	R0502212	\$28,000	4

Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private

Department Totals		
Law School		\$670,637
College Total:		\$670,637

J. Reuben Clark Law School

Source Breakdown of Grants and Contracts

Sponsor	Number Awarded	Total Amount
Federal		
None		
<i>Total</i>	<hr/>	
Federal Subcontracts		
None		
<i>Total</i>	<hr/>	
State		
None		
<i>Total</i>	<hr/>	
Private		
IGE (Templeton Foundation)	1	\$642,637
Kauffman Foundation	1	\$28,000
<i>Total</i>	2	\$670,637

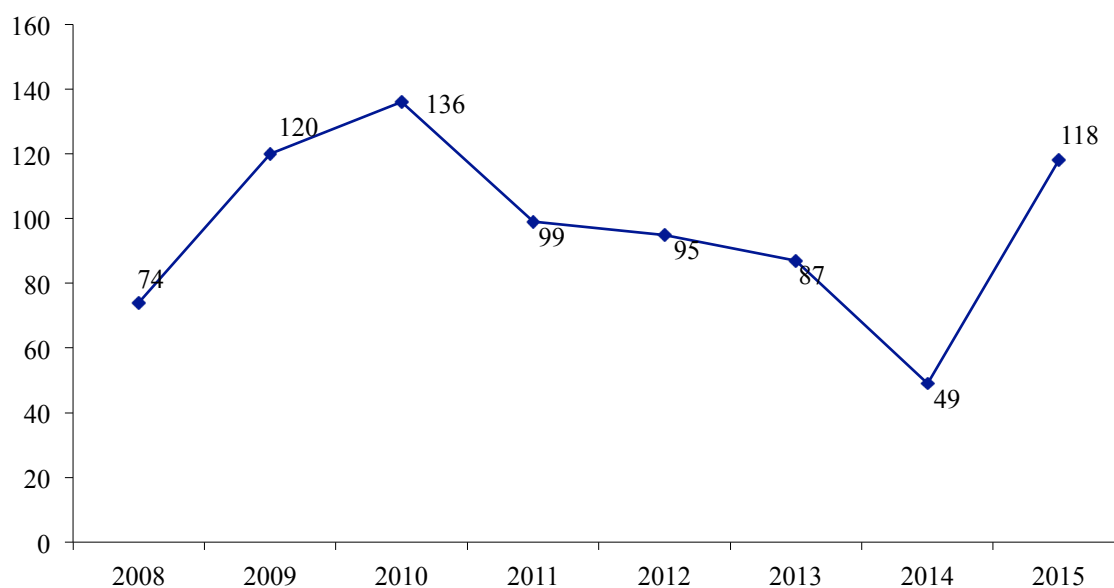


College of Life Sciences

Summary of Sponsored Research (Grants & Contracts)

Department	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Monte Bean Life Museum	0	0	1	\$24,000
Biology	20	45	24	\$1,373,885
Exercise Science	9	12	6	\$536,930
Health Science	2	1	4	\$55,637
Microbiology & Molecular Biology	10	14	9	\$585,797
Nutrition, Dietetics & Food Science	5	8	7	\$359,249
Physiology & Developmental Biology	10	16	3	\$698,484
Plant & Wildlife Sciences	20	36	40	\$2,792,965
Ezra T. Benson Institute	0	0	0	\$0
Totals:	76	118	82	\$6,426,947

Proposal Submission Activity



External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2006	\$2,763,746	\$1,054,773	\$3,818,519
2007	\$3,010,438	\$1,275,431	\$4,285,869
2008	\$3,661,543	\$1,432,866	\$5,094,409
2009	\$4,123,154	\$1,439,815	\$5,562,969
2010	\$3,803,488	\$1,598,562	\$5,402,050
2011	\$2,211,664	\$1,263,459	\$3,475,123
2012	\$6,426,283	\$1,727,334	\$8,163,617
2013	\$3,905,977	\$1,151,388	\$4,988,584
2014	\$6,442,140	\$1,125,358	\$7,567,498
2015	\$5,327,507	\$1,099,440	\$6,426,947



College of Life Sciences 2015 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Beg Date</u>	<u>End Date</u>	<u>Account</u>	<u>Amount</u>	<u>Type</u>
Monte Bean Life Science Museum								
St. Clair, Larry		NEBO School District	Education Partnership - BEAN Museum	1/1/2011	12/31/2016	R0502113	\$24,000	4
Biology								
Adams, Byron	w/Bybee, Seth	NSF	Phylogenomics, Revisionary Stematics, and Evolution of the Visual Systems in Dragonflies and Damselflies	2/15/2013	1/31/2018	R0112227	\$41,030	1
Adams, Byron		NSF	Increased Connectivity in a Polar Desert Resulting from Climate Warming: McMurdo Dry Valley LTER Program	4/15/2011	3/31/2016	R0302397	\$38,915	2
Belk, Mark		UDWR	Food web structure in Lake Powell: anticipating the invasion and spread of Quagga musse	5/1/2015	12/31/2016	R0402265	\$20,000	3
Belk, Mark		UDWR	Food Web Structure in Jordanelle reservoir: What happens to all those rainbow trout?	7/1/2015	12/31/2015	R0402270	\$11,000	3
Bybee, Seth		NSF	Phylogenomics, Revisionary, Systematic, and Evolution of the Visual System in Dragonflies and Damselflies	2/18/2015	1/31/2018	R0112227	\$161,151	1
Bybee, Seth		NSF	Phylogenomics, Revisionary, Systematic, and Evolution of the Visual System in Dragonflies and Damselflies	3/10/2015	1/31/2018	R0112227	\$24,875	1
Bybee, Seth		NSF	Phylogenomics, Revisionary Stematics, and Evolution of the Visual Systems in Dragonflies and Damselflies	2/15/2013	1/31/2018	R0112227	\$41,031	1
Gill, Richard		USGS	Climate Change in Dryland Regions	8/1/2012	4/30/2017	R0202367	\$7,012	1
Gill, Richard	w/Aanderud, Zachary	USU (NSF)	iUtah-innovative Urban Transitions and Arid Region Hydro-sustainability	8/1/2014	7/31/2015	R0302477	\$27,929	2
Gill, Richard	w/Aanderud, Zachary	USU(NSF)	Critical Zone Processes Mediating and Responding to Dust Generation and Transport	8/1/2012	7/31/2015	R0302477	\$18,292	2
Gill, Richard	w/Aanderud, Zachary	USU (NSF)	Year 4: iUTAH-innovative Urban Transitions and Arid region Hydro-sustainability	8/1/2012	7/31/2016	R0302477	\$72,019	2
Johnson, Jerald		American Livebearer Association	Character Displacement in four livebearing species of the genus <i>Peciliopsis</i>	6/1/2015	5/30/2018	R0502213	\$1,500	4
Johnson, Leigh		BLM	Cycladenia humils continuation project	7/15/2014	6/30/2019	R0202435	\$30,000	1
Johnson, Robert	w/ Stevens, Mikel	USDA Forest Service	Morphological and Genetic Characterization of Blue Penstemon	8/27/2015	4/30/2020	R0202455	\$17,501	1
Johnson, Robert	w/Stevens Mikel	Uintah County	Searching for New Penstemon Scariosus Populations	5/1/2015	12/31/2016	R0492043	\$2,480	3
Johnson, Robert	w/Stevens Mikel	American Penstemon Society	Morphological And Genetic Characterization of Blue Penstemon	5/1/2015	12/31/2016	R0502211	\$500	4

Kauwe, John		NIH	Pleiotropic and Interaction Effects on Alzheimer's Disease Risk and Progression	9/1/2012	12/31/2015	R0102062	\$266,350	1
Kauwe, John		NIH	Research Supplements to Promote Diversity in Health-Related Research - Alan Alohikea	9/15/2015	12/31/2017	R0102073	\$34,570	1
Kauwe, John		NIH	Research Supplements to Promote Diversity in Health-Related Research - Brooke Laoli Spencer	9/15/2015	12/31/2017	R0102074	\$34,570	1
Rogers, Duke		UDNR	Management Shrew Species	9/1/2015	8/31/2016	R0402271	\$10,000	3
Sites, Jack		NSF	DISSERTATION RESEARCH: Phylogeny, Biogeography, and Convergent Evolution in a Radiation of Southeast Asian Rock Geckos	5/1/2015	4/30/2017	R0112277	\$16,335	1
Sites, Jack		NSF	DISSERTATION RESEARCH: Phylogeny of the Liolaemus Montanus Group and High Resolution Species Delimitation in the L. Robustus Clad(Squamata, Liolaemidae)	5/1/2015	4/30/2017	R0112279	\$16,362	1
St. Clair, Larry		US Forest Service	Extend Air Quality Bio-monitoring System-South Unit-Ashley National Forest	9/7/2011	9/30/2016	R0202352	\$8,765	1
Whipple, Clint		Oklahoma U. (NSF)	The Genetic Architecture of Telling in Panicoid Cereals	6/1/2014	5/31/2018	R0302562	\$281,910	2
Whipple, Clint		Oklahoma U. (NSF)	The Genetic Architecture of Telling in Panicoid Cereals	6/1/2014	5/31/2018	R0302562	\$148,758	2
Whiting, Michael	w/Bybee, Seth	NSF	Phylogenomics, Revisionary Stematics, and Evolution of the Visual Systems in Dragonflies and Damselflies	2/15/2013	1/31/2018	R0112227	\$41,030	1
Exercise Science								
Davidson, Lance		NIH	Effects of Gastric Bypass Surgery and Sustained Weight Loss on Fracture Risk	4/26/2014	3/31/2015	R0102065	\$204,468	1
Davidson, Lance		NIH	Effects of Gastric Bypass Surgery and Sustained Weight Loss on Fracture Risk	4/1/2015	3/31/2016	R0102065	\$192,427	1
Feland, J. Brent		KT Health, LLC	Comparison of biomechanical changes in the lower extremity between walking and running using a sleeve/hinge knee brace and a new product produced by KT Tape, called KT Flex	7/1/2015	1/1/2016	R0602483	\$5,184	4
Hopkins, Ty		NATA (National Athletic Trainers' Association) Research & Education Foundation	Ankle Ligament Laxity and Movement Strategy Differences during a Forward/Side Jump between Healthy, Ankle Sprain Copers, and Chronic Ankle Instability	6/22/2015	12/31/2016	R0502218	\$2,500	4
Hunter, Iain		USA Track & Field	Analysis of Distance Running	1/1/2015	6/30/2016	R0502220	\$7,000	4
Seeley, Matthew	w/ Bowden, Anton	NSF	Mobile Gait Analysis Using Wearable Piezoresponsive Nano-Composite Sensors	9/1/2015	8/31/2018	R0112298	\$125,351	1
Health Science								
Barnes, Michael	w/Hanson, Carl	iKeepSafe	A Computational Health Science Assessment of Adolescent Unwanted Online Experience	7/29/2015	12/31/2015	R0502216	\$3,471	4
Crookston, Ben		University of Penn. (NIH)	Growth Recovery, Schooling & Cognitive Achievement: Evidence from Four Cohorts	6/1/2015	5/31/2016	R0302643	\$23,176	2

Hanson, Carl		iKeepSafe	A Computational Health Science Assessment of Adolescent Unwanted Online Experience	7/29/2015	12/31/2015	R0502216	\$3,472	4
Sloan, Chantel	w/ Heaton, Matthew	NIH - NIEHS	Modeling Environmental Impacts on Bronchiolitis in the Presence of Spatial Uncertainty	4/15/2015	3/31/2017	R0102070	\$22,398	1
Thygerson, Steven		IHC	Respirator Fit Testing	3/1/2012	2/28/2018	R0602385	\$3,120	4
Microbiology & Molecular Biology								
Griffitts, Joel		NSF	The Molecular Basis of Abortive Symbiosis	3/1/2011	2/29/2016	R0112180	\$128,873	1
Griffitts, Joel		NSF	CAREER: The Molecular Basis of Abortive Symbiosis	6/1/2006	2/29/2016	R0112273	\$35,434	1
Grose, Julianne		Rugters (USDA-NIFA)	IR-4 Minor Crop Pest Management Program-Biopesticide Research on Fire Blight of Apple	8/1/2015	7/31/2016	R0302648	\$5,000	2
Robison, Richard	w/ Hawkins, Aaron	NIH	Multiplexed, Non-Amplified, Nucleic Acid-Based Identification of Multidrug Resistant Pathogens Using an Integrated Optofluidic Platform	3/1/2015	2/29/2016	R0102068	\$345,772	1
Robison, Richard	w/ Austin, Daniel	NASA	Microorganism Survivability in High-velocity Impacts	6/15/2015	6/14/2018	R0162025	\$20,418	1
Robison, Richard	w/ Austin, Daniel	NASA	Microorganism Survivability in High-velocity Impacts	6/15/2015	6/14/2018	R0162025	\$37,500	1
Robison, Richard		sBIOMED, Inc.	Steriplex Efficacy Studies	6/17/2015	6/30/2016	R0602144	\$5,000	4
Robison, Richard		Solutions BioMed LLC	Antimicrobial Materials and Select Agents	6/17/2005	6/30/2016	R0602144	\$4,300	4
Robison, Richard		Solutions BioMed LLC	Antimicrobial Materials and Select Agents	6/17/2005	6/30/2016	R0602144	\$3,500	4
Nutrition, Diets, & Food Science								
Dunn, Michael		Western Dairy Center (USU)	Effect of LED Lighting on flavor and vitamin stability in skim and whole fluid milk	9/1/2015	8/31/2016	R0502214	\$18,000	4
Jefferies, Laura		Basic American Foods	Sensory Panel Projects 2015	1/1/2015	12/31/2015	R0602395	\$50,000	4
Jefferies, Laura		Basic American Foods	Sensory Panel Projects - 2016	1/1/2012	12/31/2016	R0602395	\$50,000	4
Pike, Oscar	w/Stewart, J. Ryan	Dine College (USDA)	Weaving a Complete Picture of a Traditional Navajo Food and Fiber Crop: Characterization of the Nutritional and Physical	9/1/2015	8/31/2017	R0302642	\$8,249	2
Pike, Oscar		LDS Welfare Svcs.	BYU Quality Food Laboratories	1/1/1991	12/31/2016	R0700031	\$160,000	4
Steele, Frost		Deseret Meats	Pathogen Analysis for Meat Products Produced by Deseret Meats	3/1/2001	12/31/2015	R0702001	\$45,000	4
Steele, Frost		Houston Welfare Cannery	Pathogen Analysis for Peanut Butter Products Produced at Houston Cannery	1/1/2012	12/31/2015	R0702001	\$28,000	4
Physiology & Developmental Biology								
Alder, Jonathan		NIH	Mechanisms of Telomere-Mediated Emphysema	7/1/2014	6/30/2016	R0102067	\$245,266	1
Edwards, Jeff	w/Steffensen, Scott	NIH	Neuroplasticity with alcohol dependency	8/1/2015	7/31/2017	R0102059	\$96,600	1

Edwards, Jeff	w/Steffensen, Scott	NIH	Nicotine and Alcohol Co-Dependence	6/1/2014	5/31/2019	Ro102066	\$130,009	1
Sudweeks, Sterling	w/Steffensen, Scott	NIH	Neuroplasticity with alcohol dependency	8/1/2015	7/31/2017	Ro102059	\$96,600	1
Sudweeks, Sterling	w/Steffensen, Scott	NIH	Nicotine and Alcohol Co-Dependence	6/1/2014	5/31/2019	Ro102066	\$130,009	1
Plant & Wildlife Sciences								
Aanderud, Zachary	w/ Carling, Greg	NSF	Collaborative Research: Investigation of the Fate and Transport of Dust-Borne Trace Metals and Solutes During Snowmelt	7/15/2015	6/30/2018	Ro112291	\$29,369	1
Aanderud, Zachary	w/Geary, Brad	USDA-ARS	Establishing a Microbial Community and Soil Biology Baseline for Potato Soil Health	9/1/2015	8/31/2016	Ro152011	\$25,430	1
Aanderud, Zachary	w/Geary, Brad	USDA-ARS	Establishing a Microbial Community and Soil Biology Baseline for Potato Soil Health	9/1/2015	8/31/2016	Ro152011	\$12,633	1
Aanderud, Zachary		USU (NSF)	iUtah-innovative Urban Transitions and Arid Region Hydro-sustainability	8/1/2014	7/31/2015	Ro302477	\$27,930	2
Aanderud, Zachary		USU(NSF)	Critical Zone Processes Mediating and Responding to Dust Generation and Transport	8/1/2012	7/31/2015	Ro302477	\$18,292	2
Aanderud, Zachary		USU (NSF)	Year 4: iUTAH-innovative Urban Transitions and Arid region Hydro-sustainability	8/1/2012	7/31/2016	Ro302477	\$72,021	2
Allen, Phil		USDA Forest Service	Cheatgrass Stand Failure in the Great Basin: Fungal Pathogens, Carbon Dynamics, and Fungistasis	7/29/2015	9/30/2017	Ro202457	\$36,322	1
Anderson, Val	w/Petersen, Steven	Air Force	Natural Resources Support	9/22/2014	9/21/2016	Ro202433	\$36,667	1
Anderson, Val	w/Petersen, Steven	UDWR	Scientific Manuscript Preparation	1/29/2015	9/30/2019	Ro402263	\$17,333	3
Chaston, John	w/Geary, Brad	USDA-ARS	Establishing a Microbial Community and Soil Biology Baseline for Potato Soil Health	9/1/2015	8/31/2016	Ro152011	\$25,430	1
Chaston, John	w/Geary, Brad	USDA-ARS	Establishing a Microbial Community and Soil Biology Baseline for Potato Soil Health	9/1/2015	8/31/2016	Ro152011	\$12,634	1
Coleman, Craig	w/Petersen, Steven	US Forest Service	Bristlecone Pine Forest Inventory and Assessment	6/30/2014	6/30/2017	Ro202426	\$8,804	1
Coleman, Craig		USDA Forest Service	Population genetic structure of Holmgren milkvetch: Extant vs. seed increase populations	8/19/2015	12/30/2017	Ro202459	\$17,160	1
Geary, Brad		USDA-ARS	Establishing a Microbial Community and Soil Biology Baseline for Potato Soil Health	9/1/2015	8/31/2016	Ro152011	\$37,901	1
Geary, Brad		USDA-ARS	Establishing a Microbial Community and Soil Biology Baseline for Potato Soil Health	9/1/2015	8/31/2016	Ro152011	\$25,430	1
Geary, Brad		USDA Forest Service	Buffelgrass Biocontrol in the Sonoran Desert with Foliar Fungal Pathogens and their Phytotoxic Metabolites	8/30/2013	12/31/2017	Ro202407	\$70,000	1
Geary, Brad		USDA-ARS	Establishing a Microbial Community and Soil Biology Baseline for Potato Soil Health	9/1/2015	8/31/2016	Ro152011	\$12,634	1
Hopkins, Bryan		USGS	Soil Analysis	9/26/2015	9/25/2020	Ro202463	\$17,000	1
Jellen, Eric		UNC Charlotte (NSF)	Sequencing the Hexaploid Oat Genome using Diploid References	8/1/2015	7/31/2016	Ro302627	\$211,394	2

Larsen, Randy		US Army	Technician Support for U.S. Army Dugway Proving Ground	9/9/2015	9/8/2020	R0190001	\$104,397	1
Larsen, Randy		URMCC	2015-2016 Strawberry Valley Sage Grouse Project	7/1/2014	7/31/2019	R0202428	\$65,000	1
Larsen, Randy	w/Petersen, Steven	Air Force	Natural Resources Support	9/22/2014	9/21/2016	R0202433	\$36,667	1
Larsen, Randy	w/Petersen, Steven	US Army (Hill AFB)	Natural Resources Program Support for Utah Test and Training Range	9/22/2014	9/21/2016	R0202433	\$48,875	1
Larsen, Randy		US BLM	BLM Utah Special Status and Other Special Wildlife Inventories in Utah	9/20/2014	9/30/2019	R0202436	\$158,602	1
Larsen, Randy	w/ McMillan, Brock	UDNR	Movements of Elk among Management Units: Random Dispersal or Source-Sink Dynamics	7/30/2015	7/30/2019	R0402272	\$83,491	3
Larsen, Randy	w/McMillan, Brock	UDWR	Research Examining the Effects of Habitat	10/28/2015	10/28/2019	R0402278	\$99,731	3
Larsen, Randy		Utah Chukar Foundation	Benefits, impacts, and proper spacing of guzzlers for chukars	2/18/2005	12/31/2015	R0502066	\$3,000	4
Maughan, Jeff	w/Jellen, Eric	UNC Charlotte (NSF)	Sequencing the Hexaploid Oat Genome using Diploid References	8/1/2015	7/31/2016	R0302627	\$211,393	2
McMillan, Brock	w/Larsen, Randy	US Army	Technician Support for U.S. Army Dugway Proving Ground	9/9/2015	9/8/2020	R0190001	\$104,396	1
McMillan, Brock	w/Petersen, Steven	Air Force	Natural Resources Support	9/22/2014	9/21/2016	R0202433	\$36,667	1
McMillan, Brock	w/Larsen, Randy	US BLM	BLM Utah Special Status and Other Special Wildlife Inventories in Utah	9/20/2014	9/30/2019	R0202436	\$158,601	1
McMillan, Brock		UDNR	Movements of Elk among Management Units: Random Dispersal or Source-Sink Dynamics	7/30/2015	7/30/2019	R0402272	\$83,491	3
McMillan, Brock		UDWR	Research Examining the Effects of Habitat	10/28/2015	10/28/2019	R0402278	\$99,731	3
Petersen, Steven		US Forest Service	Bristlecone Pine Forest Inventory and Assessment	6/30/2014	6/30/2017	R0202426	\$8,804	1
Petersen, Steven		Air Force	Natural Resources Support	9/22/2014	9/21/2016	R0202433	\$36,667	1
Petersen, Steven		US Army (Hill AFB)	Natural Resources Program Support for Utah Test and Training Range	9/22/2014	9/21/2016	R0202433	\$48,876	1
Petersen, Steven		US Fish & Wildlife	Spring Restoration on the Sheldon National Wildlife Refuge	8/1/2015	1/1/2018	R0202460	\$70,492	1
Petersen, Steven		UDWR	Scientific Manuscript Preparation	1/29/2015	9/30/2019	R0402263	\$17,334	3
Petersen, Steven		The Nature Conservancy	Mapping Marine and Terrestrial Conservation Areas in Cuba	9/1/2015	1/30/2016	R0502219	\$7,500	4
Robinson, Todd	w/Petersen, Steven	Air Force	Natural Resources Support	9/22/2014	9/21/2016	R0202433	\$36,666	1
Roundy, Bruce	w/Petersen, Steven	Air Force	Natural Resources Support	9/22/2014	9/21/2016	R0202433	\$36,666	1
Roundy, Bruce		US Fish & Wildlife	Using Soil Climate and Geospatial Environmental Characteristics to Determine Plant Resilience to Fire	1/1/2015	9/30/2017	R0202440	\$68,649	1
Roundy, Bruce		USDA Forest Service	SageSTEP Soil moisture station monitoring	4/29/2015	3/1/2019	R0202449	\$30,000	1
Roundy, Bruce	w/Petersen, Steven	UDWR	Scientific Manuscript Preparation	1/29/2015	9/30/2019	R0402263	\$17,333	3

Smith, Thomas		UDWR	Determining the Status and Trend for Desert Bighorn Sheep in the North San Rafael Swell and Green River Areas	1/1/2012	12/31/2016	R0402200	\$45,155	3
Smith, Thomas		Utah Zoological Society	Polar Bear Olfaction Study	1/1/2016	12/31/2016	R0502221	\$10,000	4
Smith, Thomas		Utah Zoological Society	Polar Bear Olfaction Study	1/1/2016	12/31/2016	R0502221	\$15,000	4
St. Clair, Sam	w/Aanderud, Zachary	USU (NSF)	iUtah-innovative Urban Transitions and Arid Region Hydro-sustainability	8/1/2014	7/31/2015	R0302477	\$27,929	2
St. Clair, Sam	w/Aanderud, Zachary	USU (NSF)	Year 4: iUTAH-innovative Urban Transitions and Arid region Hydro-sustainability	8/1/2012	7/31/2016	R0302477	\$72,019	2
St. Clair, Sam		UDWR	Assessment of disturbance size and ecological conditions on wildlife impacts of aspen regeneration in Utah	7/1/2015	8/31/2016	R0402267	\$59,334	3
Stevens, Mikel		USDA Forest Service	Morphological and Genetic Characterization of Blue Penstemon	8/27/2015	4/30/2020	R0202455	\$17,501	1
Stevens, Mikel		Uintah County	Searching for New Penstemon Scariosus Populations	5/1/2015	12/31/2016	R0492043	\$2,480	3
Stevens, Mikel		American Penstemon Society	Morphological And Genetic Characterization of Blue Penstemon	5/1/2015	12/31/2016	R0502211	\$500	4
Stewart, J. Ryan		Dine College (USDA)	Weaving a Complete Picture of a Traditional Navajo Food and Fiber Crop: Characterization of the Nutritional and Physical	9/1/2015	8/31/2017	R0302642	\$8,250	2
Terry, Richard		Penn. State (NSF)	Land, Water, and Territory: a 3,000-year Study of Niche Construction and Political History	2/14/2014	2/28/2015	R0302549	\$16,193	2
Udall, Joshua		USDA Forest Service	Modifications of Existing Big Sagebrush Project	6/24/2013	6/30/2018	R0202408	\$8,695	1
Udall, Joshua		USDA Forest Service	Modification of existing Big Sagebrush project	6/24/2013	6/30/2018	R0202408	\$38,646	1
Udall, Joshua		USDA Forest Service	Associating Genomic Properties to Adaptive Traits in Big SageBrush	6/24/2013	6/30/2018	R0202408	\$3,850	1
Udall, Joshua		Cotton, Inc.	PacBio Sequence of diploid Cotton(G. Herbaceum)	1/1/2016	12/31/2016	R0602491	\$30,000	4
Udall, Joshua		Cotton, Inc.	Graduate Fellowship	1/1/2016	12/31/2016	R0602498	\$50,000	4

Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private

Department Totals

Bean Museum	\$24,000
Biology	\$1,373,885
Microbiology & Molecular Biology	\$585,797
Exercise Science	\$536,930
Health Science	\$55,637
Nutrition, Dietetics & Food Science	\$359,249
Physiology & Developmental Biology	\$698,484
Plant & Wildlife Sciences	\$2,792,965

College Total:

\$3,475,123

Life Sciences

Source Breakdown of Grants and Contracts

Sponsor	Number Awarded	Total Amount
Federal		
Air Force	1	\$220,000
BLM	2	\$347,203
NASA	2	\$57,918
NIH	10	\$1,799,039
NSF	9	\$660,841
URMCC	1	\$65,000
US Army	1	\$208,793
US Army (Hill AFB)	1	\$97,751
US Fish & Wildlife	2	\$139,141
US Forest Service	2	\$26,373
USDA Forest Service	8	\$239,675
USDA-ARS	3	\$152,092
USGS	2	\$24,012
Total	39	\$4,037,838
Federal Subcontracts		
Dine College (USDA)	1	\$16,499
NSF	1	\$38,915
Oklahoma U. (NSF)	2	\$430,668
Penn. State (NSF)	1	\$16,193
Rugters (USDA-NIFA)	1	\$5,000
U of Penn. (NIH)	1	\$23,176
UNC Charlotte (NSF)	1	\$422,787
USU (NSF)	3	\$336,431
Total	11	\$1,289,669
State		
UDNR	2	\$176,982
UDWR	6	\$386,951
Uintah County	1	\$4,960
Total	9	\$568,893

Life Sciences

Source Breakdown of Grants and Contracts

Private

American Livebearer Association	1	\$1,500
American Penstemon Society	1	\$1,000
Basic American Foods	2	\$100,000
Cotton, Inc.	2	\$80,000
Deseret Meats	1	\$45,000
Houston Welfare Cannery	1	\$28,000
IHC	1	\$3,120
iKeepSafe	1	\$6,943
KT Health, LLC	1	\$5,184
LDS Welfare Svcs.	1	\$160,000
NATA Research & Education Foundation	1	\$2,500
NEBO School District	1	\$24,000
sBIOMED, Inc.	1	\$5,000
Solutions BioMed LLC	2	\$7,800
The Nature Conservancy	1	\$7,500
USA Track & Field	1	\$7,000
Utah Chukar Foundation	1	\$3,000
Utah Zoological Society	2	\$25,000
Western Dairy Center (USU)	1	\$18,000
Total	23	\$530,547

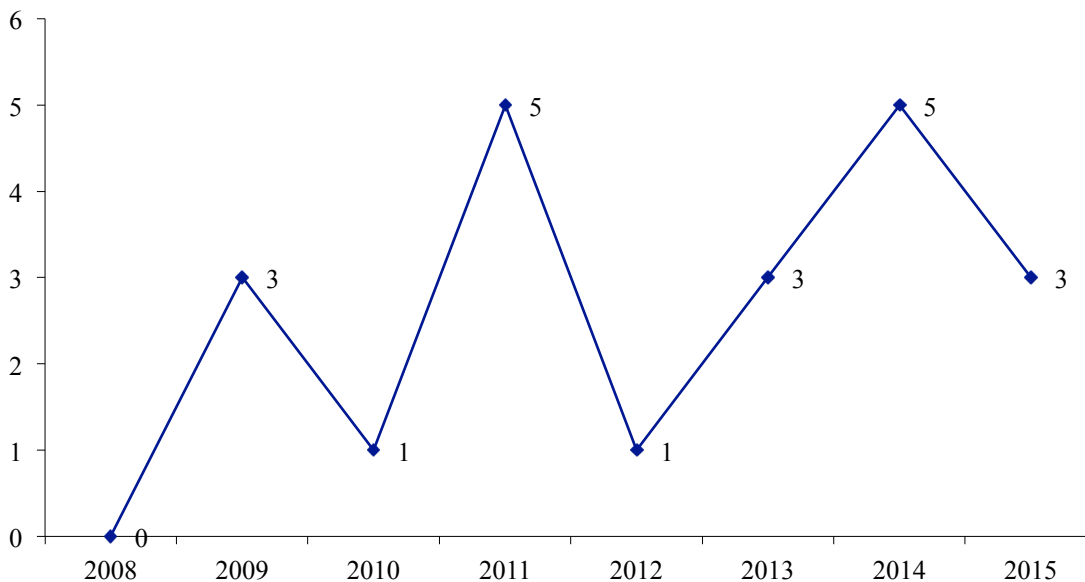


Marriott School of Management

Summary of Sponsored Research (Grants & Contracts)

Department	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
School of Accountancy	0	0	0	\$0
Aerospace Studies	0	0	0	\$0
Finance and Managerial Economics	0	0	0	\$0
Global Management Center	0	0	1	\$269,900
Information Systems	3	3	3	\$98,790
Marketing & Global Supply Chain	0	0	0	\$0
Military Science	0	0	0	\$0
Organizational Leadership Strategy	0	0	0	\$0
Romney Institute of Public Management	0	0	0	\$0
Recreational Management & Youth Leadership	0	0	1	\$3,910
Totals:	3	3	5	\$372,600

Proposal Submission Activity



External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2006	\$343,000	\$0	\$343,000
2007	\$343,000	\$7,000	\$350,000
2008	\$353,000	\$0	\$353,000
2009	\$560,495	\$0	\$560,495
2010	\$390,200	\$0	\$390,200
2011	\$175,321	\$155,800	\$331,121
2012	\$175,321	\$0	\$175,321
2013	\$167,256	\$270,767	\$438,023
2014	\$526,276	\$110,000	\$636,276
2015	\$358,690	\$13,910	\$372,600



Marriot School of Management 2015 Awards

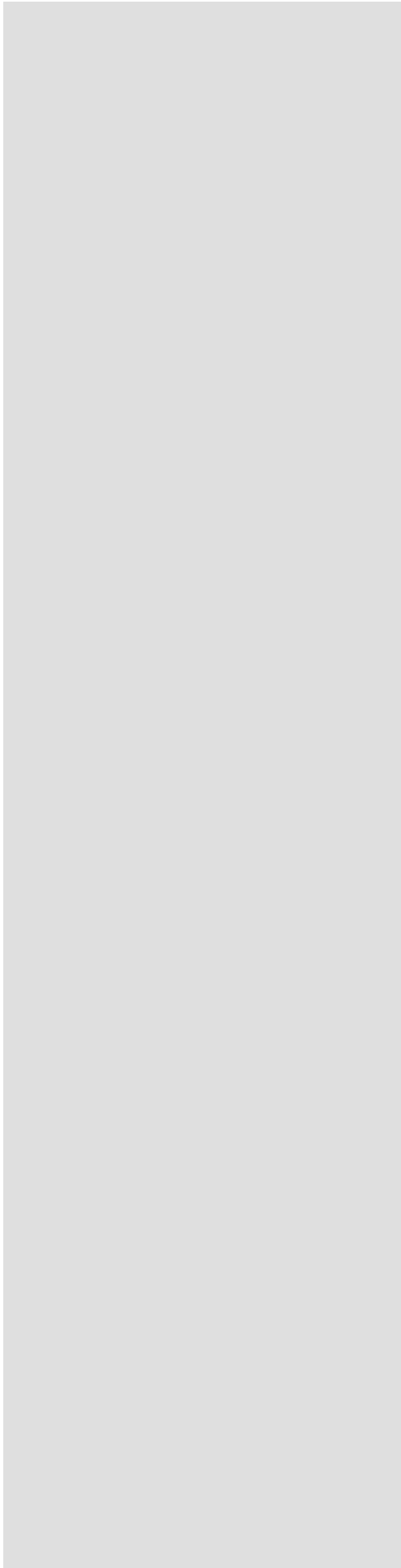
<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Beg Date</u>	<u>End Date</u>	<u>Account</u>	<u>Amount</u>	<u>Type</u>
Global Management Center								
Money, Bruce		DoED	BYU Center for International Business	10/1/2014	9/30/2016	Ro132023	\$134,950	1
Wood, Jon	w/ Money, Bruce	DoED	BYU Center for International Business	10/1/2014	9/30/2016	Ro132023	\$134,950	1
Information Systems								
Anderson, Bonnie		NSF	The Force of Habit: Using MRI to Explain User's Habituation to Security Warnings	9/1/2014	8/31/2016	Ro112267	\$19,395	1
Liddle, Stephen		NSF	I-Corps Sites: BYU I-Corps	3/1/2015	2/28/2018	Ro112274	\$50,000	1
Vance, Anthony	w/ Anderson, Bonnie	NSF	The Force of Habit: Using MRI to Explain User's Habituation to Security Warnings	9/1/2014	8/31/2016	Ro112267	\$19,395	1
Vance, Anthony		University of Pitt. (St. of PA)	Improving Security Behavior in End-Users During Performance of Routine Computer Tasks	5/1/2015	2/29/2016	Ro470002	\$10,000	4
Recreational Management & Youth Leadership								
Duerden, Mat		No. Carolina St. (SW Conservation Corps)	2014 Southwestern Conservation Corps Evaluation	10/1/2014	4/30/2015	Ro802037	\$3,910	4

Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private

Department Totals	
School of Accountancy	\$0
Aerospace Studies	\$0
Finance & Managerial Economics	\$0
Global Management Center	\$269,900
Information Systems	\$98,790
Marketing & Global Supply Chain	\$0
Military Science	\$0
Organizational Leadership-Strategy	\$0
Romney Institute of Public Management	\$0
Recreational Management & Youth Leadership	\$3,910
College Total:	\$372,600

Marriot School of Management Source Breakdown of Grants and Contracts

Sponsor	Number Awarded	Total Amount
Federal		
DoED	1	\$269,900
NSF	2	\$88,790
Total	3	\$358,690
Federal Subcontracts		
None		
Total		
State		
None		
Total		
Private		
No. Carolina St. (SW Conservation Corps)	1	\$10,000
U of Pitt. (St. of PA)	1	\$3,910
Total	2	\$13,910

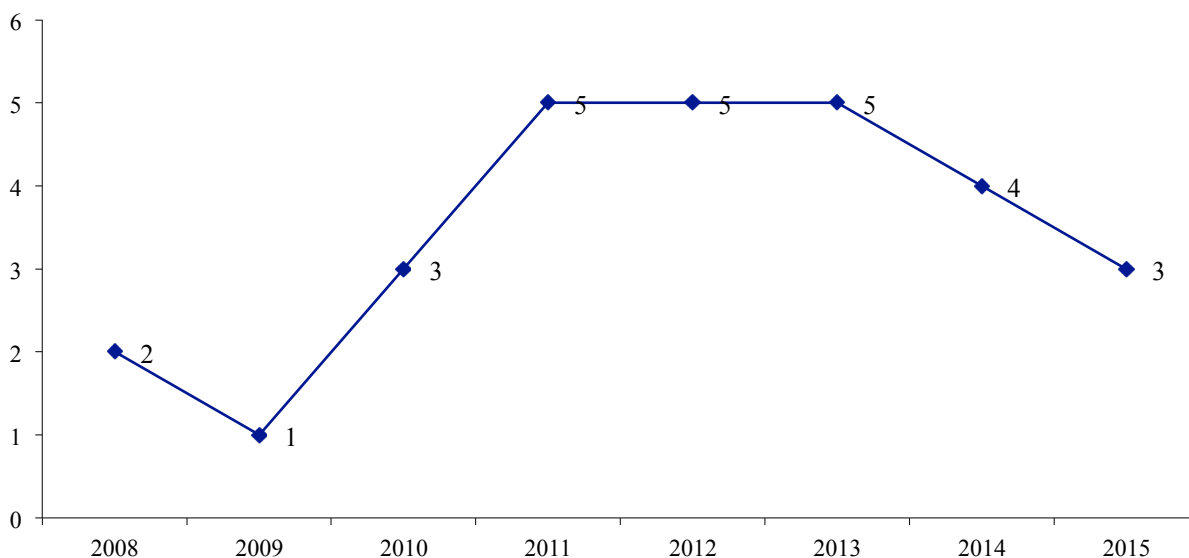


College of Nursing

Summary of Sponsored Research (Grants & Contracts)

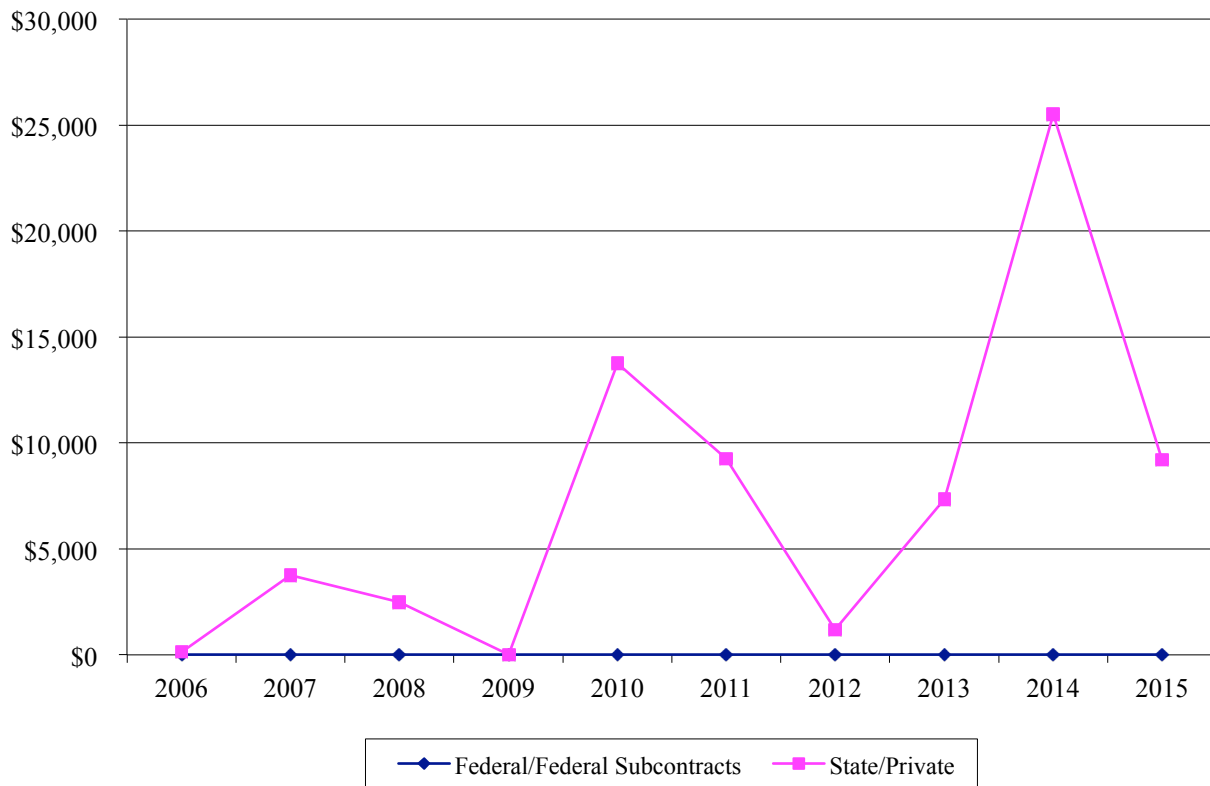
Department	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Nursing	3	3	2	\$9,200
Totals:	3	3	2	\$9,200

Proposal Submission Activity



External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2006	\$0	\$120	\$120
2007	\$0	\$3,750	\$3,750
2008	\$0	\$2,500	\$2,500
2009	\$0	\$0	\$0
2010	\$0	\$13,750	\$13,750
2011	\$0	\$9,250	\$9,250
2012	\$0	\$1,200	\$1,200
2013	\$0	\$7,350	\$7,350
2014	\$0	\$25,500	\$25,500
2015	\$0	\$9,200	\$9,200



Nursing 2015 Awards

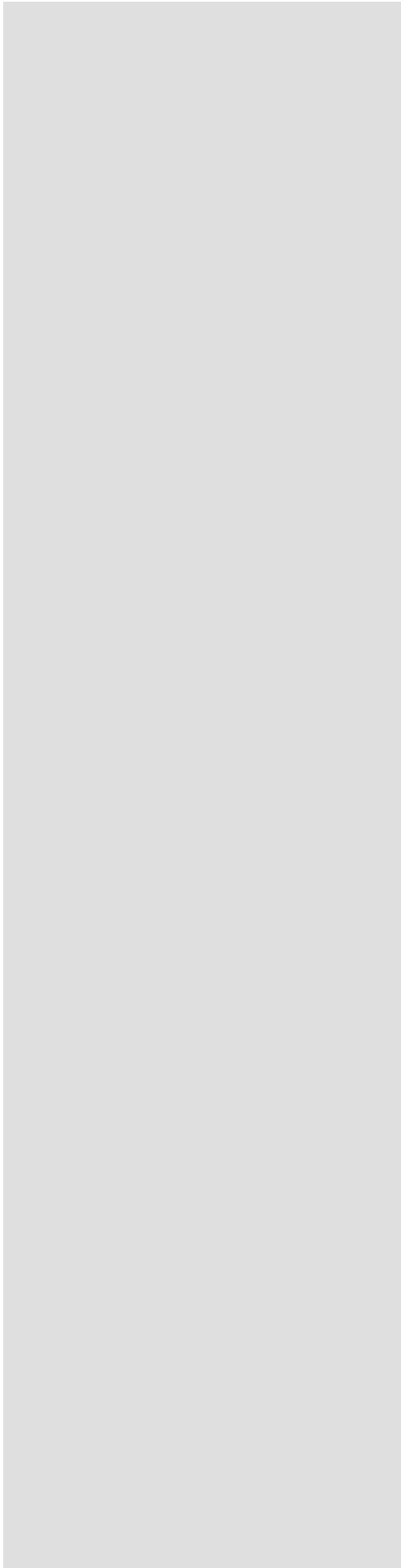
<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Beg Date</u>	<u>End Date</u>	<u>Account</u>	<u>Amount</u>	<u>Type</u>
Nursing								
Merrill, Katreena		Rehabilitation Nurses Foundation	Phase Two of a Novel Interdisciplinary Teamwork intervention at an Acute Rehabilitation Unit: Effect on Team Vitality and Patient Functional Outcomes	1/1/2016	12/31/2017	R0502224	\$4,200	4
Whitt, Karen		Informatics Education	Promoting Informatics Education by Increasing Students' Knowledge of E.H.R. Features and Safe Practices	4/1/2015	3/31/2015	R0502210	\$5,000	4

Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private

Department Totals		
Nursing	\$9,200	
College Total:	\$9,200	

Nursing Source Breakdown of Grants and Contracts

<u>Sponsor</u>	<u>Number Awarded</u>	<u>Total Amount</u>
Federal		
None		
<i>Total</i>		
Federal Subcontracts		
None		
<i>Total</i>		
State		
None		
<i>Total</i>		
Private		
Informatics Education	1	\$5,000
Rehabilitation Nurses Foundation	1	\$4,200
Total	2	\$9,200

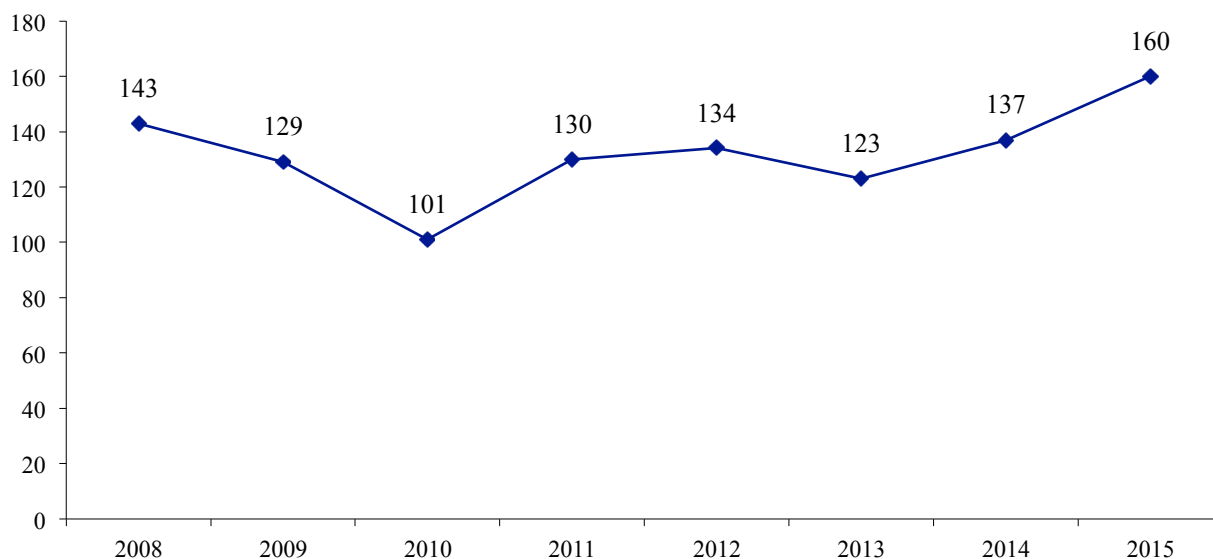


College of Physical & Mathematical Sciences

Summary of Sponsored Research (Grants & Contracts)

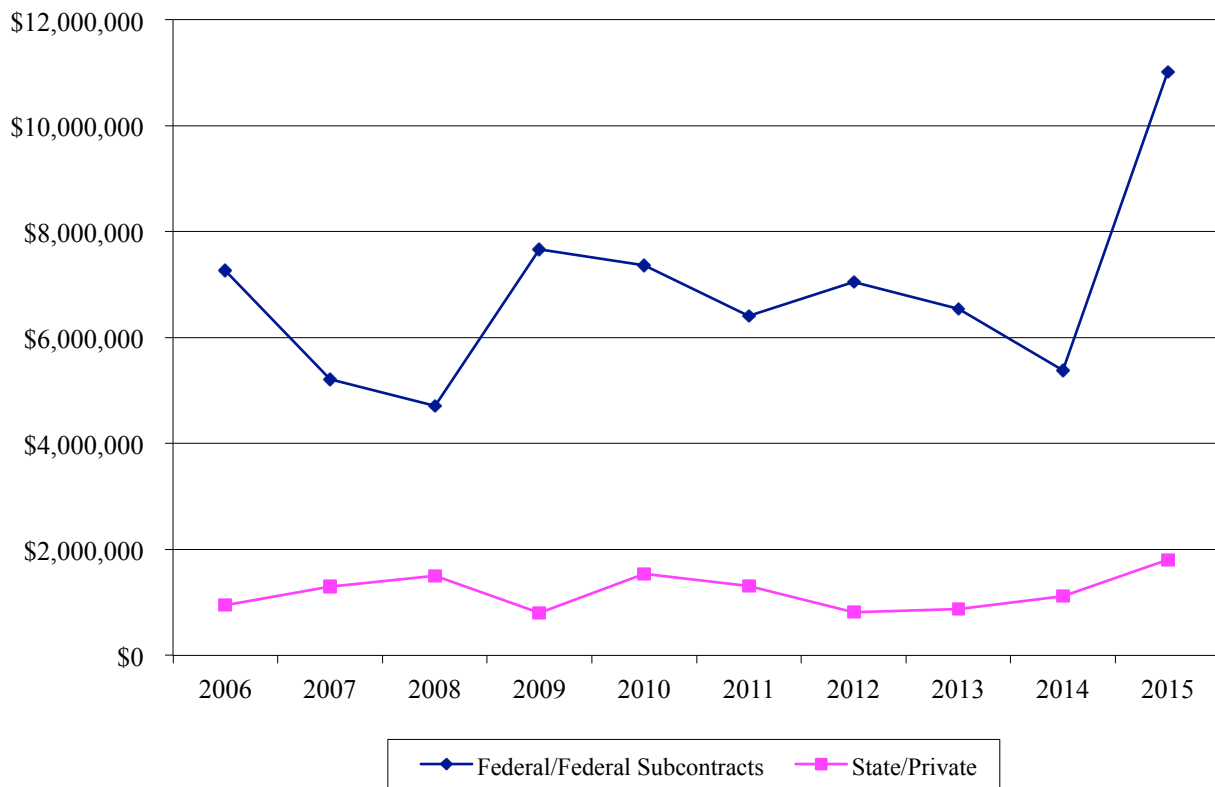
Department	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Chemistry & Biochemistry	26	65	41	\$6,492,497
Computer Science	13	31	28	\$2,539,575
Earth Science Museum	0	0	0	\$0
Geology	10	13	9	\$279,722
Mathematics	10	11	9	\$609,476
Mathematics Education	3	3	0	\$0
Physics & Astronomy	23	39	34	\$2,293,862
Statistics	6	7	8	\$597,240
Totals:	91	160	117	\$12,812,372

Proposal Submission Activity



External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2006	\$7,272,491	\$945,392	\$8,217,883
2007	\$5,218,139	\$1,294,580	\$6,512,719
2008	\$4,711,505	\$1,501,836	\$6,213,341
2009	\$7,661,633	\$802,947	\$8,464,580
2010	\$7,363,938	\$1,545,052	\$8,908,990
2011	\$6,410,182	\$1,313,108	\$7,723,290
2012	\$7,049,532	\$813,628	\$7,963,160
2013	\$6,548,760	\$878,540	\$7,408,208
2014	\$5,382,972	\$1,113,596	\$6,496,568
2015	\$11,009,182	\$1,803,190	\$12,812,372



Physical & Mathematical Sciences 2015 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Beg Date</u>	<u>End Date</u>	<u>Account</u>	<u>Amount</u>	<u>Type</u>
Chemistry & Biochemistry								
Andersen, Joshua		NIH/NCI	The Regulation and Targeting of Cell Survival Pathways in Cancer	12/22/2015	11/30/2018	R0102075	\$431,999	1
Austin, Daniel		NASA	Microorganism Survivability in High-velocity Impacts	6/15/2015	6/14/2018	R0162025	\$20,418	1
Austin, Daniel		NASA	Microorganism Survivability in High-velocity Impacts	6/15/2015	6/14/2018	R0162025	\$37,500	1
Austin, Daniel		NASA	Experimental Studies of Chemical reactions induced by high-velocity molecular impacts	9/18/2015	9/17/2017	R0162026	\$2,207,954	1
Austin, Daniel		NASA	Experimental Studies of Chemical reactions induced by high-velocity molecular impacts	9/18/2015	9/17/2017	R0162026	\$921,136	1
Austin, Daniel	w/ Lee, Milton	Torion / PerkinElmer	Hand-Held Thermal Gradient GC-MS System	6/1/2015	12/31/2016	R0602482	\$73,030	4
Castle, Steven		American Chemical Society	Microwave-promoted Tin-free and Initiator-free Cyclizations of Iminyl and Aminyl Radicals	7/1/2015	8/31/2017	R0502215	\$110,000	4
Christensen, Ken		NIH/NIAID	pH and glucose sensing in Trypanosoma brucei glycosomes	8/1/2015	11/30/2016	R0102071	\$183,936	1
Ess, Daniel		Rice University (NIH)	Asymmetric N-H/N -alkyl olefin aziridinations and ring-opening transformations	6/1/2015	3/31/2016	R0302615	\$26,474	2
Ess, Daniel	w/ Michaelis, David	ACS / PRF	Early/Late Heterobimetallic Complexes for Catalytic Alkene and Alkyne Functionalization	4/1/2016	8/31/2018	R0502222	\$55,000	4
Ess, Daniel		Chevron	Optimization of Homogeneous Alpha Olefin Catalysts	12/26/2013	12/26/2015	R0602446	\$40,000	4
Farnsworth, Paul		PerkinElmer Health Sciences, Inc.	Ion Transport in the Nexion ICPMS	1/1/2016	12/31/2016	R0602496	\$57,000	4
Graves, Steve		University of Utah	Serum Peptidomic Research	9/1/2015	4/30/2016	R0802038	\$5,000	4
Hansen, Jaron		UT State Univ (Utah State - Energy Development)	Sustainable Bioenergy from Produced Water	9/1/2015	8/31/2016	R0402276	\$30,000	3
Hansen, Jaron	w/ Harrison, Roger	Maxim Incorporated Products, Inc.	Gas Absorber Characterization	11/1/2014	6/30/2015	R0602471	\$7,500	4
Harrison, Roger		ASU - WAESO (NSF)	Cavitands for Binding Contaminants	9/1/2015	8/31/2016	R0302638	\$378	2
Harrison, Roger		Thermo Fisher (DIONEX)	Macrocycles Based Ion Chromatography	10/10/2006	6/30/2015	R0602198	\$40,500	4
Harrison, Roger		Maxim Incorporated Products, Inc.	Gas Absorber Characterization	11/1/2014	6/30/2015	R0602471	\$7,500	4

Lee, Milton		Torion / PerkinElmer	Hand-Held Thermal Gradient GC-MS System	6/1/2015	12/31/2016	R0602482	\$73,030	4
Linford, Matthew		Moxtek, Inc.	Moxtek Research Support (Record 2 of 2 - see record 1196) - set up under Moxtek umbrella agreement	4/29/2015	8/31/2015	R0602413	\$40,535	4
Linford, Matthew		Moxtek, Inc.	Moxtek Research Support	4/29/2013	12/31/2015	R0602413	\$40,535	4
Linford, Matthew		Moxtek, Inc.	Moxtek Research Support	4/29/2013	12/31/2015	R0602413	\$40,617	4
Linford, Matthew		Corning Incorporated	Glass Surface Functional Group and Composition Analysis Methods	4/1/2015	6/31/16	R0602472	\$70,000	4
Linford, Matthew		Restek Corporation	Development of SPME Methods and Procedures with Novel SPME Fibers	6/1/2015	4/30/2016	R0602480	\$65,000	4
Linford, Matthew		Insilixa	Surface Chemistry Research	9/1/2015	12/31/2015	R0602490	\$32,450	4
Linford, Matthew	w/ Lunt, Barry	Millenniata, Inc.	Manufacturability of Permanent Solid-State Memory	9/1/2014	4/30/2015	R0602456	\$500	4
Michaelis, David		ACS / PRF	Early/Late Heterobimetallic Complexes for Catalytic Alkene and Alkyne Functionalization	4/1/2016	8/31/2018	R0502222	\$55,000	4
Price, Joshua		NIH	Predictive Structure- Based Guidelines for Identifying Optimal PEGylation Sites within Proteins	9/1/2015	8/31/2018	R0102072	\$345,600	1
Savage, Paul		VA Medical Center - Nashville	Synthesis of Biotinylated Immunostimulatory Compounds	1/1/2015	12/31/2017	R0202446	\$3,000	1
Savage, Paul		VA Medical Center - Nashville	Synthesis of Biotinylated Immunostimulatory Compounds	1/1/2015	12/31/2017	R0202446	\$3,000	1
Savage, Paul		Scripps (NIH)	Molecular Pharmacology of NKT Cells Agonists	6/1/2015	5/31/2016	R0302611	\$120,540	2
Savage, Paul		The Washington University	Synthesis of Cationic Steroid Compounds for Detection of Bacterial Infections	7/1/2015	6/30/2016	R0302644	\$37,500	2
Savage, Paul		Immudex	Immune Responses to Lipid Variants of Glycolipids	4/1/2015	12/31/2015	R0570008	\$6,000	4
Savage, Paul		Cannon Industries	Characterization of Formulations of CBD in Non-ionic Surfactants	7/1/2015	8/31/2015	R0602488	\$1,200	4
Savage, Paul		N8 Medical	Collection Account for Royalty Payments	5/12/2014	12/31/2015	R0802005	\$12,500	4
Savage, Paul		N8 Medical	Collection Account for Royalty Payments	5/12/2014	12/31/2015	R0802005	\$12,500	4
Savage, Paul		N8 Medical	Collection Account for Royalty Payments	5/12/2014	12/31/2015	R0802005	\$12,500	4
Stowers, Kara		State of UT - Office of Energy Development	Developing a Carbon- Nanotube-Based Technology for CO2 Capture and Conversion	9/1/2015	8/31/2016	R0402273	\$125,000	3
Watt, Richard		Clene Nanomedicine Inc	Evaluation of Potential Interactions Between Cuprizon and Gold Including Au ¹⁺ and Au ³⁺ and the nanosuspension, CNM-Au8	10/1/2015	3/31/2016	R0602495	\$5,481	4

Willardson, Barry		NIH	Mechanisms of Assembly of Photoreceptor G Protein Complexes	5/3/1999	12/31/2016	R0102053	\$360,500	1
Woodfield, Brian		UC Davis (DOE)	Energetics of Nanomaterials	2/15/2015	2/14/2016	R0302617	\$60,000	2
Woodfield, Brian		Cosmas, Inc	Fisher-Tropsch Catalyst Preparation Methods, Characterizations, and Testing	4/7/2014	9/1/2016	R0602459	\$76,690	4
Woolley, Adam		NIH	Integrated microfluidic devices for preterm birth biomarker measurement Phase Changing Sacrificial Layer Microfluids for Enhanced Protein Analysis	4/1/2006	5/31/2016	R0102023	\$291,721	1
Woolley, Adam	w/ Hawkins, Aaron	NIH	Multiplexed, Non-Amplified, Nucleic Acid-Based Identification of Multi-drug Resistant Pathogens Using an Integrated Optofluidic Platform	3/1/2015	2/29/2016	R0102068	\$345,773	1
Computer Science								
Clement, Mark	w/Bybee, Seth	NSF	Phylogenomics, Revisionary Stematics, and Evolution of the Visual Systems in Dragonflies and Damselflies	2/15/2013	1/31/2018	R0112227	\$41,030	1
Farrell, Ryan		LLNL	Object Recognition in Imagery and Video	3/3/2015	9/30/2015	R0302605	\$67,965	2
Farrell, Ryan	w/ Killpack, Marc	General Dynamics Land Systems (ARL-RCTA)	Information-Based Soldier-Robot Interaction	1/21/2015	1/20/2016	R0302631	\$28,723	2
Farrell, Ryan	w/Killpack, Marc	General Dynamics Land Systems (ARL-RCTA)	Information-Based Soldier-Robot Interaction	1/21/2015	1/20/2016	R0302631	\$34,347	2
Farrell, Ryan		LLNL (DOE/NNSA)	Object Recognition in Imagery and Video (Phase 2)	12/28/2015	12/31/2016	R0302647	\$89,109	2
Giraud-Carrier, Christophe	w/Hanson, Carl	iKeepSafe	A Computational Health Science Assessment of Adolescent Unwanted Online Experience	7/29/2015	12/31/2015	R0502216	\$3,472	4
Goodrich, Michael	w/ McLain, Timothy	NSF	I/UCRC: Center for Unmanned Aircraft Systems (C-UAS)	3/1/2012	2/28/2017	R0112200	\$16,000	1
Goodrich, Michael	w/ McLain, Timothy	NSF	I/UCRC Center for Unmanned Aircraft Systems annual support	9/1/2012	2/28/2017	R0112200	\$16,000	1
Goodrich, Michael	w/ McLain, Timothy	AFRL (via NSF)	Interagency Membership Dues for C-UAS, NSF I/UCRC	9/1/2012	2/28/2017	R0112221	\$19,999	1
Goodrich, Michael	w/ McLain, Timothy	ARL	C-UAS I/UCRC Membership Dues	9/1/2012	2/28/2017	R0112221	\$10,000	1
Goodrich, Michael		University of Central Florida (ARL)	RCTA - H8 Dynamics of HR Military Teams & Organizations	7/1/2010	6/30/2015	R0302358	\$10,657	2
Goodrich, Michael		OSRF (DARPA)	Swarm Robotics Seedling	6/1/2015	12/31/2015	R0302610	\$24,997	2

Goodrich, Michael	w/ Killpack, Marc	General Dynamics Land Systems (ARL-RCTA)	Information-Based Soldier-Robot Interaction	1/21/2015	1/20/2016	R0302631	\$28,724	2
Goodrich, Michael	w/Killpack, Marc	General Dynamics Land Systems (ARL-RCTA)	Information-Based Soldier-Robot Interaction	1/21/2015	1/20/2016	R0302631	\$34,347	2
Goodrich, Michael	w/ McLain, Timothy	BP American Production	C-UAS NSF I/UCRC Memebership Dues	5/3/2012	2/28/2017	R0602390	\$10,000	4
Goodrich, Michael	w/ McLain, Timothy	Insitu, Inc.	C-UAS NSF I/UCRC Memebership Dues	5/3/2012	2/28/2017	R0602390	\$10,000	4
Jones, Michael		NSF	CHS: Medium: Design Tools for Physical Computational Objects	8/1/2014	7/31/2018	R0112262	\$139,030	1
Mercer, Eric		NSF	Static Analysis of Dynamic Parallel Program	4/15/2013	3/31/2017	R0112230	\$100,651	1
Mercer, Eric		NSF	Static Analysis of Dynamic Parallel Program	4/15/2013	3/31/2017	R0112230	\$102,678	1
Ringger, Eric	w/ Seppi, Kevin	NSF	Collaborative: Closing the User-Model Loop for Understanding Topics in Large Document Collections	8/1/2014	7/31/2018	R0112264	\$69,661	1
Ringger, Eric	w/ Seppi, Kevin	NSF	Collaborative Research: Closing the User-Model Loop for Understanding Topics in Large Document Collections	8/1/2014	7/31/2018	R0112264	\$71,751	1
Seamons, Kent	w/ Red, Ed	NSF	I/UCRC BYU v-CAX Research Site, Center for e-Design	2/15/2011	1/31/2016	R0112181	\$18,333	1
Seamons, Kent		NSF	TWC: Small: Middleware for Certificate-Based Authentication	9/1/2015	8/31/2018	R0112296	\$248,450	1
Seamons, Kent	w/ Red, Ed	Pratt & Whitney	I/UCRC Center for e-Design Membership Dues	2/15/2011	1/31/2016	R0602349	\$10,000	4
Seamons, Kent	w/ Red, Ed	NSF	REU Supplement for I/UCRC Center for e-Design	2/15/2011	1/31/2016	R0112287	\$5,328	1
Seamons, Kent	w/ Red, Ed	CD-Adapco	I/UCRC Center for e-Design Membership Dues	2/15/2011	1/31/2016	R0602349	\$15,000	4
Sederberg, Tom	w/ Liddle, Stephen	NSF	I-Corps Sites: BYU I-Corps	3/1/2015	2/28/2018	R0112274	\$50,000	1
Seppi, Kevin	w/ Jones, Michael	NSF	CHS: Medium: Design Tools for Physical Computational Objects	8/1/2014	7/31/2018	R0112262	\$139,029	1
Seppi, Kevin		NSF	Collaborative: Closing the User-Model Loop for Understanding Topics in Large Document Collections	8/1/2014	7/31/2018	R0112264	\$69,661	1
Seppi, Kevin		NSF	Collaborative Research: Closing the User-Model Loop for Understanding Topics in Large Document Collections	8/1/2014	7/31/2018	R0112264	\$71,751	1
Warnick, Sean	w/ Hedengren, John	NSF	EAGER: Cyber-Manufacturing with Multi-echelon Control and Scheduling	1/1/2016	12/31/2017	R0112293	\$235,869	1

Warnick, Sean	w/ Condie, Scott	DHS	Financial Sector Situational Awareness Part 1: Stock Markets	8/21/2015	8/20/2017	R0202458	\$225,153	1
Warnick, Sean		DHS	Mission Impact Situational Awareness Tool for Distributed Operations Management of Cyber-Physical-Human Critical Infrastructures	8/28/2015	8/27/2017	R0202461	\$273,410	1
Zappala, Daniel	w/ Seamons, Kent	NSF	TWC: Small: Middleware for Certificate-Based Authentication	9/1/2015	8/31/2018	R0112296	\$248,450	1
Geology								
Britt, Brooks		US National Park Svc	Digital and GIS Mapping of Carnegie Quarry	9/1/2015	9/30/2017	R0202456	\$18,448	1
Britt, Brooks		NPS	Digital and GIS mapping of Carnegie Quarry at Dinosaur National Monument	9/1/2015	9/30/2017	R0202456	\$2,010	1
Carling, Greg		NSF	Collaborative Research: Investigation of the Fate and Transport of Dust-Borne Trace Metals and Solutes During Snowmelt	7/15/2015	6/30/2018	R0112291	\$29,369	1
Carling, Greg	w/Aanderud, Zachary	USU (NSF)	Critical Zone Processes Mediating and Responding to Dust Generation and Transport	8/1/2012	7/31/2015	R0302477	\$18,292	2
Carling, Greg		UT Div. of Forestry, Fire and State Lands	Characterizing harmful effects of dust emissions from the dry lakebed of Great Salt Lake relative to other regional dust sources	7/1/2015	6/30/2016	R0402269	\$39,717	3
Carling, Greg		So. Davis Sewer Dist.	Utah Lake Sediment Chemistry Study	10/29/2015	2/28/2017	R0492044	\$56,638	3
Hudson, Samuel		ConocoPhillips Company	Fluvial Architecture and Connectivity of the Frontier Formation - Quantitative Outcrop Characterization and Stasis Modeling to Better Predict Lateral Continuity of a Tight Reservoir	9/1/2015	12/31/2016	R0602492	\$31,250	4
McBride, John		University of Illinois (DOE)	Assessment of the Geological Carbon Sequestration Options in the Illinois Basin: Phase II and Phase III	12/18/2007	12/17/2017	R0302254	\$48,227	2
Nelson, Steve	w/ Carling, Greg	NSF	Collaborative Research: Investigation of the Fate and Transport of Dust-Borne Trace Metals and Solutes During Snowmelt	7/15/2015	6/30/2018	R0112291	\$29,369	1
Radebaugh, Jani		ASU (NASA)	Research Opportunities in Space and Earth Sciences-2013	9/15/2014	9/14/2017	R0302601	\$6,402	2
Mathematics								
Barrett, Wayne		DTRA	Spectral Graph Theory, Tree Decompositions, and Pseudospectral Graph Theory	5/15/2015	5/14/2018	R0202450	\$75,000	1
Conner, Gregory		Simons Foundation	Wild Topology, Attractors. And Algebraic invariants	9/1/2012	8/31/2017	R0502163	\$7,000	4

Fisher, Todd		Simons Foundation	Entropy for Smooth Dynamical Systems	9/1/2012	8/31/2017	R0502162	\$7,000	4
Forcade, Rodney	w/ Hart, Gus	Duke (ONR)	Topological Decompositions and Spectral Sampling Algorithms for Element Substitution in Critical Technologies	7/1/2013	3/31/2016	R0302530	\$317,188	2
Humpherys, Jeff	w/ Barrett, Wayne	DTRA	Spectral Graph Theory, Tree Decompositions, and Pseudospectral Graph Theory	5/15/2015	5/14/2018	R0202450	\$75,000	1
Jenkins, Paul		Simons Foundation	Weakly Holomorphic Modular Forms	9/1/2013	8/31/2016	R0502182	\$7,000	4
Lu, Kening		NSF	Collaborative Research: Topics in Infinite-Dimensional and Stochastic Dynamical Systems	7/15/2014	6/30/2017	R0112256	\$58,252	1
Nielsen, Pace		Simons Foundation	Computational Number Theory: Covering Systems, Probability, and Sieves	9/1/2014	8/31/2016	R0502199	\$7,000	4
Purcell, Jessica		NSF	CAREER: Hyperbolic Geometry of Knots and Links	6/1/2013	5/31/2018	R0112231	\$49,036	1
Swenson, Eric		Simons Foundation	Group Boundary Dynamics	7/1/2011	8/31/2016	R0502143	\$7,000	4
Physics & Astronomy								
Allred, David		U of Utah (NASA)	Critical First Steps towards Allowing Aluminum's Far UV reflectance to shine forth in the Broadband VUV for Space-based Instruments	4/10/2015	4/9/2016	R0302620	\$7,522	2
Allred, David		ASU - WAESO (NSF)	Materials Science Studies Important for Space Research	5/1/2015	8/31/2015	R0302625	\$378	2
Bergeson, Scott		NSF	Laser Cooling Ions in an Ultracold Neutral Plasma	9/15/2014	8/31/2016	R0112270	\$70,020	1
Bergeson, Scott		NSF	Collaborative Research: Plasma Physics at Small Coulomb Logarithms: Equilibration Studies in a Strongly-coupled Dual-species Ultracold Neutral Plasma	9/15/2015	8/31/2018	R0112301	\$135,000	1
Bergeson, Scott		Air Force (AFOSR)	Reaching Higher Gamma in Ultracold Neutral Plasmas through Disorder-induced Heating Control	6/1/2012	5/31/2016	R0202364	\$120,000	1
Colton, John		State of UT - Office of Energy Development	Bioinorganic Nanoparticles for Improved Solar and Fuel Cells (student Cameron Olsen)	9/1/2015	8/31/2016	R0402274	\$15,000	3
Davis, Robert		NSF	Robust High Porosity Filter for Circulating Tumor Cell Enrichment	9/15/2015	2/28/2017	R0112299	\$199,898	1
Davis, Robert	w/ Vanfleet, Richard	Moxtek, Inc.	X-ray Windows and Filters (Project 17)	1/4/2012	6/30/2016	R0602313	\$58,500	4
Davis, Robert	w/ Lunt, Barry	Millenniata, Inc.	Manufacturability of Permanent Solid-State Memory	9/1/2014	4/30/2015	R0602456	\$500	4

Davis, Robert	w/ Vanfleet, Richard	GE Global	2015 BYU GEGR Neural Probe Collaboration	5/8/2015	8/30/2015	R0602475	\$10,000	4
Durfee, Dallin		ASU - WAESO (NSF)	Improved Methods of Ion Interferometry	5/1/2015	8/31/2015	R0302624	\$378	2
Gee, Kent		NSF	Developing New Methods for Obtaining Energy-based Acoustic Quantities	9/1/2015	8/31/2018	R0112297	\$94,999	1
Gee, Kent		ONR	Wavepacket-based Source Characterization of Military Jet Aircraft Noise	7/1/2014	6/30/2016	R0202423	\$73,907	1
Gee, Kent		Blue Ridge Research and Consulting (AFRL)	Correlating Tactical Jet Noise Characteristics with Community Annoyance	8/5/2015	3/31/2016	R0302626	\$36,595	2
Hart, Gus		Duke (ONR)	Topological Decompositions and Spectral Sampling Algorithms for Element Substitution in Critical Technologies	7/1/2013	3/31/2016	R0302530	\$317,188	2
Hirschmann, Eric	w/ Neilsen, David	NSF	Collaborative Research: Loud, Bright, and Hot Binary Mergers	9/1/2013	8/31/2016	R0112239	\$59,228	1
Leishman, Timothy	w/ Gee, Kent	NSF	Developing New Methods for Obtaining Energy-based Acoustic Quantities	9/1/2015	8/31/2018	R0112297	\$94,999	1
Leishman, Timothy		Michigan State U (NIH)	Gender Differences and Speech Accommodation in Occupational Settings	4/1/2014	3/31/2016	R0302551	\$2,971	2
Leishman, Timothy		Michigan State U (NIH)	Gender Differences and Speech Accommodation in Occupational Settings	4/1/2014	3/31/2016	R0302551	\$81,350	2
Leishman, Timothy		ISRM	Research in Music	7/1/2012	11/30/2016	R0502164	\$50,000	4
Leishman, Timothy	w/ Sommerfeldt, Scott	Caterpillar, Inc	Acoustic Modeling of Resonators and Development of a Multi-Driver Volume Velocity Source	1/1/2014	12/31/2015	R0602437	\$42,705	4
Leishman, Timothy		Trioz	Performance Evaluation of Trioz Loudspeaker Systems	6/15/2015	8/31/2015	R0602478	\$35,986	4
Moody, Joseph		ASU - WAESO (NSF)	Is the Sinusoidal Period of Mrk 501 Indicative of a Binary Black Hole?	5/1/2015	8/31/2015	R0302622	\$378	2
Neilsen, David		NSF	Collaborative Research: Loud, Bright, and Hot Binary Mergers	9/1/2013	8/31/2016	R0112239	\$59,229	1
Neilsen, David		Indiana University (NASA)	Fully Relativistic Simulations of Black Holes and Neutron Stars with Global Magnetic Fields	3/1/2013	2/29/2016	R0302507	\$12,874	2
Neilsen, David		Indiana University (NASA)	Fully Relativistic Simulations of Black Holes and Neutron Stars with Global Magnetic Fields	3/1/2013	2/29/2016	R0302507	\$35,365	2
Neilsen, Tracianne	w/ Gee, Kent	NSF	Developing New Methods for Obtaining Energy-based Acoustic Quantities	9/1/2015	8/31/2018	R0112297	\$94,998	1
Neilsen, Tracianne	w/ Gee, Kent	ONR	Wavepacket-based Source Characterization of Military Jet Aircraft Noise	7/1/2014	6/30/2016	R0202423	\$73,907	1

Peatross, Justin		University of Nebraska (AFR)	Relativistic Optics - Interactions of Electrons with Laser Light at Highly Relativistic Intensities	9/30/2014	8/31/2016	R0302602	\$8,000	2
Sommerfeldt, Scott	w/ Gee, Kent	NSF	Developing New Methods for Obtaining Energy-based Acoustic Quantities	9/1/2015	8/31/2018	R0112297	\$94,999	1
Sommerfeldt, Scott		Caterpillar, Inc	Acoustic Modeling of Resonators and Development of a Multi-Driver Volume Velocity Source	1/1/2014	12/31/2015	R0602437	\$42,705	4
Sommerfeldt, Scott		Varian Medical Systems	Noise Reduction of X-Ray Tubes and Heat Exchangers	5/1/2015	4/30/2016	R0602479	\$27,888	4
Spencer, Ross		PerkinElmer Health Sciences, Inc.	Interface Design Improvements for NexION ICP-MS: Computational Simulation of Ion Transmission and Shock Behavior Through ICP-MS Interface	2/1/2015	9/30/2015	R0602462	\$37,231	4
Transtrum, Mark		TA Instruments	TA Instruments Software for Fitting ITC Data	12/1/2015	11/30/2016	R0602501	\$35,000	4
Turley, R. Steven		NSF	REU Site: Physics Research at Brigham Young University	5/1/2015	4/30/2018	R0112284	\$59,035	1
Turley, R. Steven		NSF	REU Site: Physics Research at Brigham Young University	5/1/2015	4/30/2018	R0112289	\$34,848	1
Turley, R. Steven	w/ Allred, David	U of Utah (NASA)	Critical First Steps towards Allowing Aluminum's Far UV reflectance to shine forth in the Broadband VUV for Space-based Instruments	4/10/2015	4/9/2016	R0302620	\$7,521	2
Van Huele, Jean-Francois	w/ Turley, R. Steven	NSF	REU Site: Physics Research at Brigham Young University	5/1/2015	4/30/2018	R0112284	\$59,035	1
Van Huele, Jean-Francois	w/ Turley, R. Steven	NSF	REU Site: Physics Research at Brigham Young University	5/1/2015	4/30/2018	R0112289	\$34,847	1
Van Huele, Jean-Francois		ASU - WAESO (NSF)	Quantum Dynamics	5/1/2015	8/31/2015	R0302623	\$378	2
Vanfleet, Richard		Moxtek, Inc.	X-ray Windows and Filters (Project 17)	1/4/2012	6/30/2016	R0602313	\$58,500	4
Vanfleet, Richard		GE Global	2015 BYU GEGR Neural Probe Collaboration	5/8/2015	8/30/2015	R0602475	\$10,000	4
Statistics								
Berrett, Candace	w/ Heaton, Matthew	NIH - NIEHS	Modeling Environmental Impacts on Bronchiolitis in the Presence of Spatial Uncertainty	4/15/2015	3/31/2017	R0102070	\$22,398	1
Berrett, Candace	w/ Heaton, Matthew	NSF	Scalable Statistical Validation and Uncertainty Quantification for Large-Spatio Temporal Datasets	8/1/2014	7/31/2017	R0112269	\$22,333	1
Berrett, Candace		USU (DOE)	RF Sensing and Signal Processing for Monitoring Proliferation Activity	8/1/2014	6/30/2017	R0302607	\$15,000	2
Dahl, David		NIH	Nonparametric Bayesian	7/1/2012	4/30/2016	R0102061	\$350,928	1

			Approaches to Modeling Protein Structure, Second Year of Four Years					
Heaton, Matthew		NIH - NIEHS	Modeling Environmental Impacts on Bronchiolitis in the Presence of Spatial Uncertainty	4/15/2015	3/31/2017	R0102070	\$22,398	1
Heaton, Matthew		NSF	Scalable Statistical Validation and Uncertainty Quantification for Large-Spatio Temporal Datasets	8/1/2014	7/31/2017	R0112269	\$22,334	1
Nielsen, Perpetua	w/ Bowen, Donna Lee	TAMU (DoD)	Household Formation Systems, Marriage Markets and Societal Stability/Resilience	9/1/2014	8/31/2015	R0302575	\$7,261	2
Nielsen, Perpetua	w/ Bowen, Donna Lee	TAMU (DoD)	Household Formation Systems, Marriage, Markets and Social Stability	9/1/2014	8/31/2015	R0302575	\$1,690	2
Nielsen, Perpetua	w/ Bowen, Donna Lee	TAMU (DoD)	Household Formation Systems, Marriage Markets and Societal Stability/Resilience	9/1/2014	8/31/2016	R0302575	\$22,535	2
Reese, Shane	w/ Heaton, Matthew	NSF	Scalable Statistical Validation and Uncertainty Quantification for Large-Spatio Temporal Datasets	8/1/2014	7/31/2017	R0112269	\$22,333	1
Reese, Shane	w/ Berrett, Candace	USU (DOE)	RF Sensing and Signal Processing for Monitoring Proliferation Activity	8/1/2014	6/30/2017	R0302607	\$15,000	2
Tolley, Dennis	w/ Lee, Milton	Torion / PerkinElmer	Hand-Held Thermal Gradient GC-MS System	6/1/2015	12/31/2016	R0602482	\$73,030	4

Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private

Department Totals	
Chemistry & Biochemistry	\$6,492,497
Computer Science	\$2,539,575
Earth Science Museum	\$0
Geology	\$279,722
Mathematics	\$609,476
Mathematics Education	\$0
Physics & Astronomy	\$2,293,862
Statistics	\$597,240
College Total:	\$12,812,372

Physical & Mathematical Sciences

Source Breakdown of Grants and Contracts

Sponsor	Number Awarded	Total Amount
Federal		
AFRL (via NSF)	1	\$19,999
Air Force (AFOSR)	1	\$120,000
ARL	1	\$10,000
DHS	2	\$498,563
DTRA	1	\$150,000
NASA	4	\$3,187,008
NIH	8	\$2,355,253
NPS	1	\$2,010
NSF	23	\$2,967,833
ONR	1	\$147,814
US National Park Svc	1	\$18,448
VA Medical Center-Nashville	2	\$6,000
Total	46	\$9,482,928
Federal Subcontracts		
ASU - WAESO (NSF)	5	\$1,890
ASU (NASA)	1	\$6,402
Blue Ridge Research and Consulting (AFRL)	1	\$36,595
Duke (ONR)	1	\$634,376
General Dynamics Land Systems (ARL-RCTA)	2	\$126,141
Indiana University (NASA)	2	\$48,239
LLNL	1	\$67,965
LLNL (DOE/NNSA)	1	\$89,109
Michigan State U (NIH)	2	\$84,321
OSRF (DARPA)	1	\$24,997
Rice University (NIH)	1	\$26,474
Scripps (NIH)	1	\$120,540
TAMU (DoD)	3	\$31,486
The Washington University	1	\$37,500
U of Central Florida (ARL)	1	\$10,657
U of Illinois (DOE)	1	\$48,227
U of Nebraska (AFR)	1	\$8,000
U of Utah (NASA)	1	\$15,043
UC Davis (DOE)	1	\$60,000
USU (DOE)	1	\$30,000
USU (NSF)	1	\$18,292
Total	30	\$1,526,254

Physical & Mathematical Sciences

Source Breakdown of Grants and Contracts

State

So. Davis Sewer Dist.	1	\$56,638
State of UT - Office of Energy Development	2	\$140,000
USU (Utah State - Energy Development)	1	\$30,000
UT Div. of Forestry, Fire and State Lands	1	\$39,717
Total	5	\$266,355

Private

ACS / PRF	1	\$110,000
American Chemical Society	1	\$110,000
BP American Production	1	\$10,000
Cannon Industries	1	\$1,200
Caterpillar, Inc	1	\$85,410
CD-Adapco	1	\$15,000
Chevron	1	\$40,000
Clene Nanomedicine Inc	1	\$5,481
ConocoPhillips Company	1	\$31,250
Corning Incorporated	1	\$70,000
Cosmas, Inc	1	\$76,690
GE Global	1	\$20,000
iKeepSafe	1	\$3,472
Immudex	1	\$6,000
Insilixa	1	\$32,450
Insitu, Inc.	1	\$10,000
ISRM	1	\$50,000
Maxim Incorporated Products, Inc.	1	\$15,000
Millenniata, Inc.	1	\$1,000
Moxtek, Inc.	4	\$238,687
N8 Medical	3	\$37,500
PerkinElmer Health Sciences, Inc.	2	\$94,231
Pratt & Whitney	1	\$10,000
Restek Corporation	1	\$65,000
Simons Foundation	5	\$35,000
TA Instruments	1	\$35,000
Thermo Fisher (DIONEX)	1	\$40,500
Torion / PerkinElmer	1	\$219,090
Trioz	1	\$35,986
U of Utah	1	\$5,000
Varian Medical Systems	1	\$27,888
Total	36	\$1,536,835

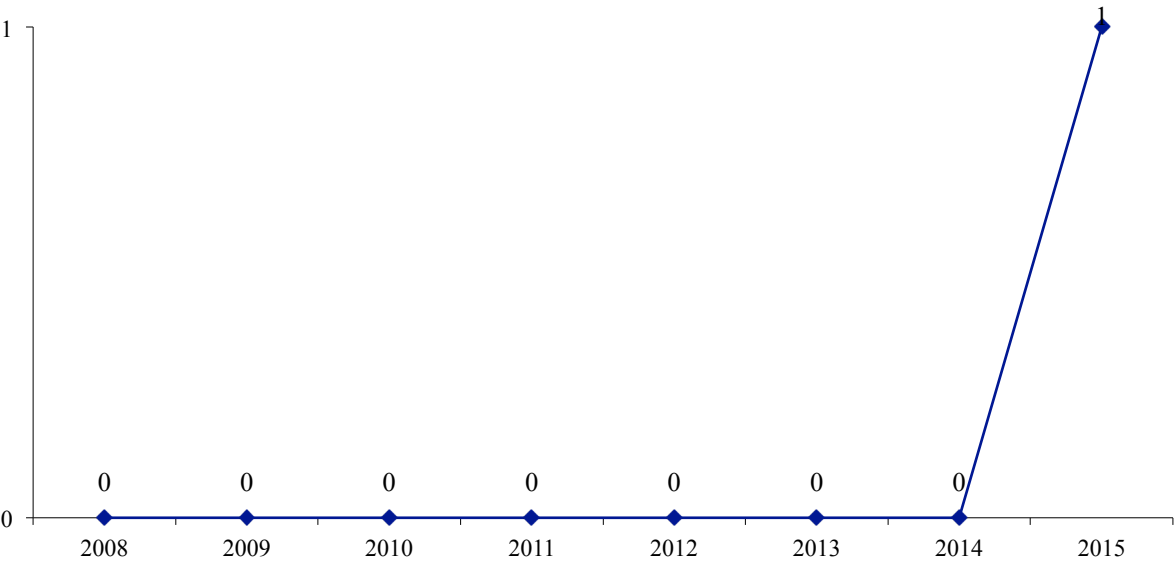


Religious Education

Summary of Sponsored Research (Grants & Contracts)

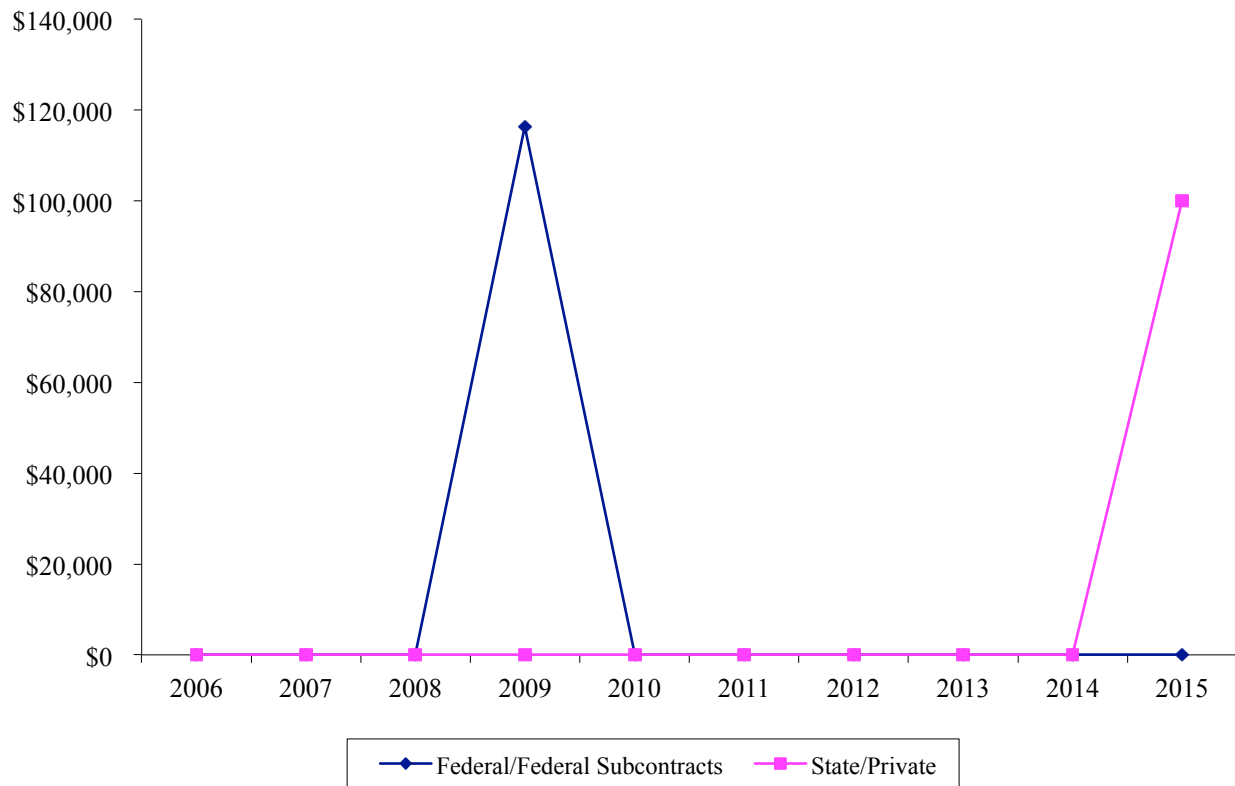
Department	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Ancient Scripture	1	1	1	\$100,000
Church History & Doctrine	0	0	0	\$0
Totals:	1	1	1	\$100,000

Proposal Submission Activity



External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2006	\$0	\$0	\$0
2007	\$0	\$0	\$0
2008	\$0	\$0	\$0
2009	\$116,385	\$0	\$116,385
2010	\$0	\$0	\$0
2011	\$0	\$0	\$0
2012	\$0	\$0	\$0
2013	\$0	\$0	\$0
2014	\$0	\$0	\$0
2015	\$0	\$100,000	\$100,000



Religious Education 2015 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Beg Date</u>	<u>End Date</u>	<u>Account</u>	<u>Amount</u>	<u>Type</u>
<i>Ancient Scripture</i>								
Hilton, John		Hewlett Foundation	Efficacy of OER	7/13/2015	7/13/2017	R0502217	\$100,000	4

Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private

Department Totals		
Ancient Scripture	\$100,000	
Church History & Doctrine	\$0	
College Total:	\$100,000	

Religious Education Source Breakdown of Grants and Contracts

<u>Sponsor</u>	<u>Number Awarded</u>	<u>Total Amount</u>
Federal		
None		
	<i>Total</i>	
Federal Subcontracts		
None		
	<i>Total</i>	
State		
None		
	<i>Total</i>	
Private		
Hewlett Foundation	1	\$100,000
	<i>Total</i>	\$100,000

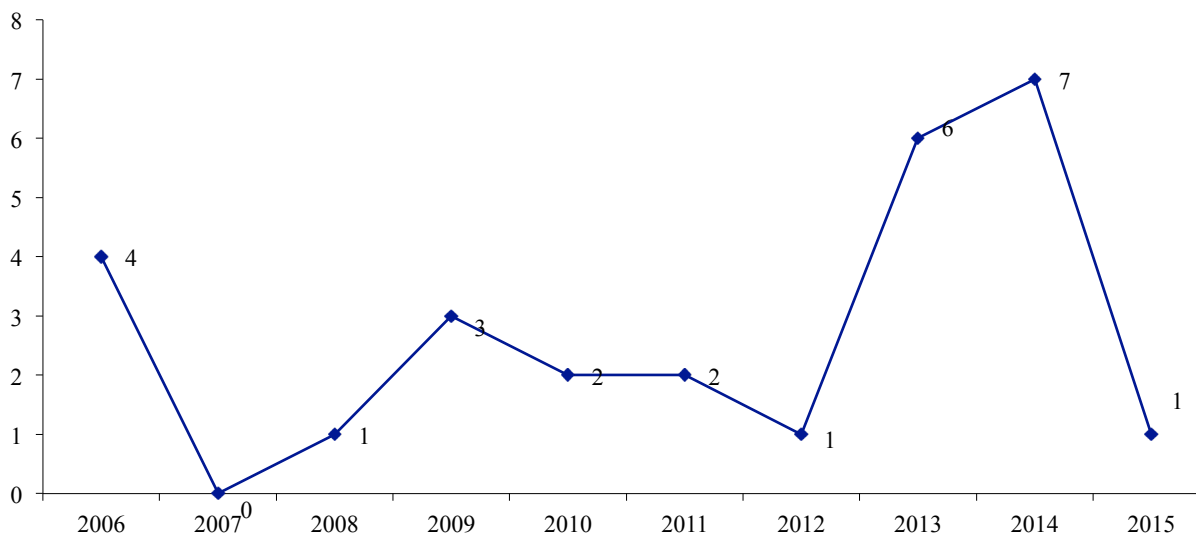


Non-College Units

Summary of Sponsored Research (Grants & Contracts)

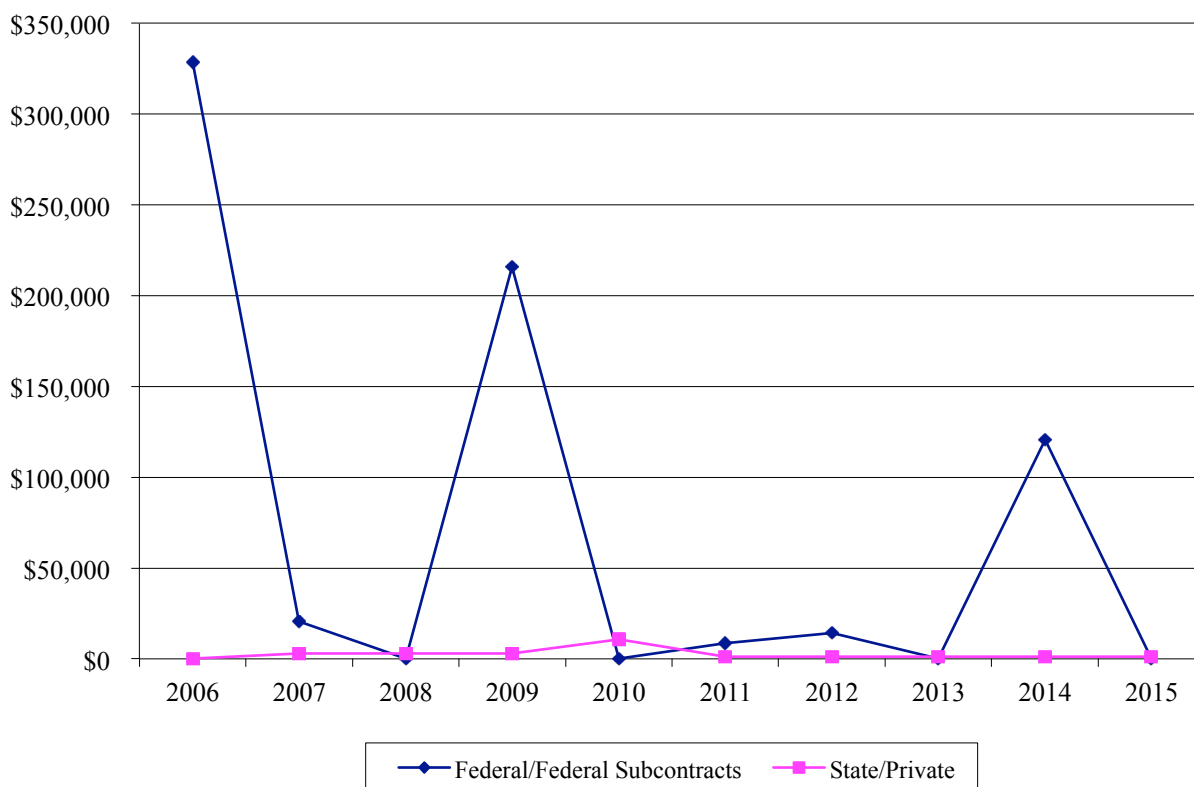
Department	# of Proposals Submitted	# of Awards	Dollars Awarded
Academic Internship	0	0	\$0
Admissions & Records	0	0	\$0
Associate Academic Vice President	0	0	\$0
Campus Life	0	0	\$0
Center for Instructional Design	0	0	\$0
Center for Service and Learning	0	0	\$0
Church Educational System	0	0	\$0
Faculty Center	0	0	\$0
General Education & Honors	0	0	\$0
Harold B. Lee Library	1	0	\$0
Information Technology Services	0	0	\$0
Neal A. Maxwell Institute for Religious Scholarship	0	0	\$0
Jacobsen Center	0	0	\$0
Media Services	0	0	\$0
Office of Research and Creative Activities	0	3	\$1,300
Technology Transfer	0	0	\$0
University Accessibility Center	0	0	\$0
University Computing Services	0	0	\$0
TOTALS	1	3	\$1,300

Proposals Submitted



External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2006	\$328,500	\$0	\$328,500
2007	\$20,718	\$3,100	\$23,818
2008	\$0	\$3,028	\$3,028
2009	\$215,853	\$2,849	\$218,702
2010	\$0	\$10,584	\$10,584
2011	\$8,500	\$1,335	\$9,835
2012	\$14,281	\$1,380	\$15,661
2013	\$0	\$1,047	\$1,047
2014	\$120,816	\$1,066	\$121,816
2015	\$0	\$1,300	\$1,300



Non-College Units 2015 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Beg Date</u>	<u>End Date</u>	<u>Account</u>	<u>Amount</u>	<u>Type</u>
Office of Research & Creative Activities								
Garrett, Sandra		Lost Paws	Vet Practicum	1/1/2007	12/31/2015	R0602182	\$300	4
Garrett, Sandra		Lost Paws	Vet Practicum	1/1/2007	12/31/2015	R0602182	\$600	4
Garrett, Sandra		Lost Paws	Vet Practicum	1/1/2007	12/31/2018	R0602182	\$400	4

Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private

Department Totals

Academic Internship	\$0
Admissions & Records	\$0
Associate Academic Vice President	\$0
Campus Life	\$0
Center for Instructional Design	\$0
Center for Service and Learning	\$0
Church Educational System	\$0
Faculty Center	\$0
General Education & Honors	\$0
Harold B. Lee Library	\$0
Information Technology Services	\$0
Neal A. Maxwell Institute for Religious Scholarship	\$0
Office of Research and Creative Activities	\$1,300
Jacobsen Center	\$0
Media Services	\$0
Technology Transfer	\$0
University Accessibility Center	\$0
University Computing Services	\$0
College Total:	\$1,300

Non-College Units

Source Breakdown of Grants and Contracts

Sponsor	Number Awarded	Total Amount
Federal		
None		
<i>Total</i>	<hr/>	
Federal Subcontracts		
None		
<i>Total</i>	<hr/>	
State		
None		
<i>Total</i>	<hr/>	
Private		
Lost Paws	3	\$1,300
<i>Total</i>	3	\$1,300



Administrative Support of Compliance Committees & Regulations

Compliance and Certification

There are a number of federal, states, and university regulations which are intended to ensure the safety and well-being of those associated with research and creative activities at academic institutions.¹ The Office of Research and Creative Activities specifically supports three university committees and provides other certifications as needed. The following pages contain a record of official actions taken by these committees during the January 2015 through December 2015 time period. In addition to those official actions, the committee—their individual chairs and members—and the staff of ORCA actively reviewed facilities developed and updated policy, and education the university research community on pertinent issues. The following is a brief description of each committee. Their 2015 membership and activities are on subsequent pages.

The Institutional Review Board (IRB) determines that risks to human subjects involved in research are “minimized by appropriate safeguards; that risks are reasonable in relation to anticipated benefits; informed consent is sought from subjects and documented; and that selection of subjects is equitable and guided by consideration for appropriate safeguards for any subjects likely to be vulnerable to undue influences” (Federal Regulations).

At BYU, all research (funded or unfunded) must meet the guidelines and be appropriately reviewed and approved. Since regulations encompass everything from interviews and questionnaires to medical practices, faculty and students should work closely with this committee.

The Institutional Animal Care and Use Committee (IACUC) is required by federal regulation and is intended to ensure appropriate housing, care, and humane treatment of animals used in research or other academic activities. It formally approves the maintenance of all such animals for research projects and also reviews any use of laboratory animals on campus. ORCA supports this committee and maintains the university’s “Assurance” status with federal agencies. The “Assurance” document is actually a way of accrediting BYU to maintain and work with laboratory animals.

The Institutional Biosafety Committee (IBC) supervises the use of recombinant DNA and other biological safety and hazard issues at BYU. Such use might involve constructing and handling DNA molecules in organisms. The Institutional Biosafety Committee must review all proposed experiments and approve such in advance of actual work. As with the other committees listed above, IBC has jurisdiction over any recombinant DNA experiments on campus—be they a part of funded or unfunded research or part of instructional activities.

¹ Appendix 2 contains a list illustrating the number and kind of regulations with which we must comply.

The Institutional Review Board (IRB)

Research involving human subjects requires approval of the university's IRB committee. This committee works closely with departmental or college communities and administrators.

The actions of the IRB committee for 2015 are summarized by the following table.

IRB Protocol Activity 2015

College	New Protocols
McKay School of Education	82
Fulton College of Engineering & Technology	16
Fine Arts & Communications	14
Family Home & Social Sciences	113
Humanities	54
LSCI	59
LAW	1
Marriott School of Management	28
Nursing	21
Physical & Mathematical Sciences	20
Religious Education	2
Non-College Units	18
TOTALS	428

There were also 478 re-reviews and other administrative actions.

The Institutional Animal Care & Use Committee (IACUC)

The IACUC is a required university committee that oversees animal care and use, whether in research or instructional programs.

The actions of the IACUC committee for 2015 are summarized by the following table.

IACUC Protocol Activity 2015

College	New Approvals	Continuing	Pending
E&T	2	1	0
FHSS	1	5	0
LSCI	22	60	0
P&MS	1	2	0
ORCA	0	2	0
TOTALS	26	70	0

The Institutional Biosafety Committee (IBC)

The Biosafety Committee supervises the use of recombinant DNA and other biological safety and hazard issues within the university to insure that the federal guidelines pertaining to this activity are satisfied. The committee is also responsible for the supervision of all infectious materials used on campus in order to insure that local, state, and federal rules and regulations are understood and observed.

There were 10 new projects reviewed by the Biosafety Committee during the 2015 year.



Faculty Recognition

Faculty Recognition

Each year the Office of Research and Creative Activities honors one or more faculty who have furthered the progress of research at BYU. Their accomplishments may be in development of their own sponsored research projects or in service to others in support of research.

The Technology Transfer Office also selects one or more individuals who have contributed to the process of transferring research results to societal uses. Both awards are presented at the annual Sponsored Research Luncheon.

The list below includes the most recent winners as well as the winners of the past three years. This group of past winners works with ORCA in selecting those to be recognized the next year.

ORCA

<i>Year</i>	<i>Recipient</i>
2015	John Kauwe
2014	R. Kirk Belnap
2013	Ramona Hopkins
2012	Tom Fletcher
2011	Scott Sommerfeldt

Intellectual Properties

<i>Year</i>	<i>Recipient</i>
2015	Steven Graves
2014	Anton E. Bowden
2013	Charles Knutson
2012	Tom Sederberg
2011	Daniel Simmons

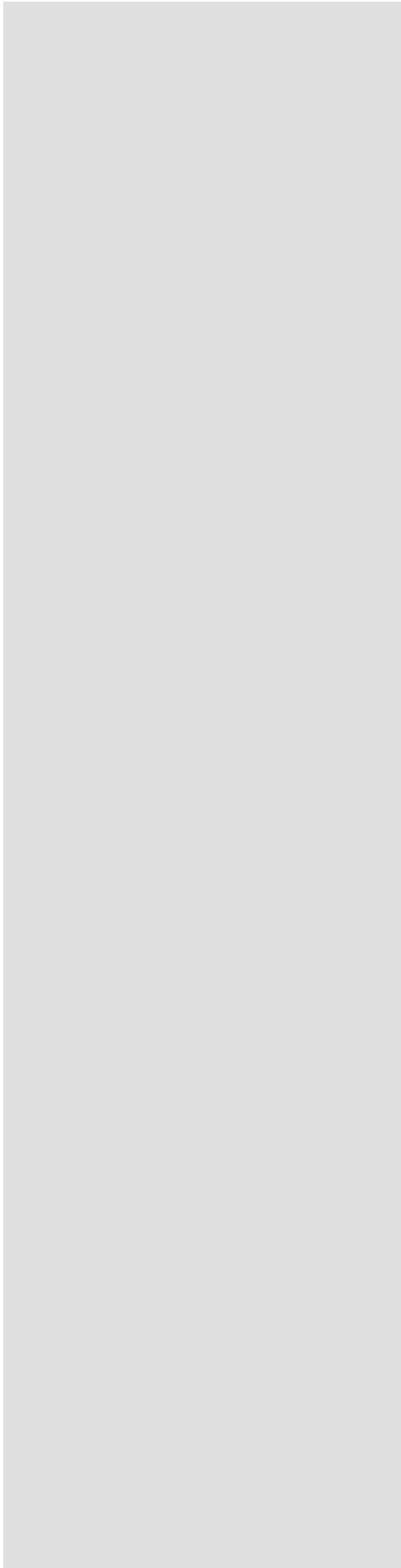
2015 Mentoring Environment Grant Recipients

The grant proposals are first reviewed at the department and college levels. Following those reviews, a group of faculty representing various disciplines across campus gives a final review where they compare protocols to each other based on how well they incorporate the desired goals and elements of a mentored environment. The awards range in value according to the proposal and are given in January to be worked on throughout the calendar year. Final reports are received from the faculty the next year.

<u>Recipient</u>	<u>Department</u>	<u>College</u>
Jacob Hickman	ANTHRO	FHSS
Kevin Schafer	SW	FHSS
Chad Jensen	PSYCH	FHSS
Daniel Nielson	POLISCI	FHSS
Joel Selway	POLISCI	FHSS
Cynthia Finlayson	ANTHRO	FHSS
Scott Steffensen	PSYCH	FHSS
Rebecca Lundwall	PSYCH	FHSS
Harold Miller	PSYCH	FHSS
Joseph Price	ECON	FHSS
James Higley	PSYCH	FHSS
Angela Bradford	SFL	FHSS
Samuel Nielson	ART	FA&C
Edward Carter	COMM	FA&C
Mark Graham	ART	FA&C
Kristoffer Boyle	COMM	FA&C
Karlen Luthy	NURS	NURS
Linda Mabey	NURS	NURS
Lacey Eden	NURS	NURS
Neil Peterson	NURS	NURS
Kent Blad	NURS	NURS
Karen Whitt	NURS	NURS
Debra Edmunds	NURS	NURS
Dan Dewey	LING	HUM
Leslee Thorne-Murphy	ENG	HUM
Nicholas Mason	ENG	HUM
Patrick Madden	ENG	HUM

Michelle James	G&SL	HUM
Jonathan Balzotti	ENG	HUM
Bradford Berges	M&MB	LSCI
Michael Whiting	BIO	LSCI
John Kauwe	BIO	LSCI
Jeff Edwards	P&DB	LSCI
Jeffrey Tessem	ND&FS	LSCI
Laura Bridgewater	M&MB	LSCI
Brian Poole	M&MB	LSCI
Richard Robison	M&MB	LSCI
Scott Weber	M&MB	LSCI
Seth Bybee	BIO	LSCI
Sam StClair	P&WS	LSCI
Bruce Bailey	ES	LSCI
David Thomson	P&DB	LSCI
Jerald Johnson	BIO	LSCI
Ryan Stewart	P&WS	LSCI
Jamie Jensen	BIO	LSCI
Jeffrey Barrow	P&DB	LSCI
Julianne Grose	M&MB	LSCI
Barry Willardson	CHMBIO	P&MS
Steven Castle	CHMBIO	P&MS
Dan Ventura	CS	P&MS
Robert Davis	P&A	P&MS
Kent Gee	P&A	P&MS
Richard Vanfleet	P&A	P&MS
Shane Reese	STATS	P&MS
Eric Hirschmann	P&A	P&MS
Seth Holladay	CS	P&MS
Peter Rich	IP&T	EDUC
Jennifer Wimmer	TED	EDUC
Ross Larsen	IP&T	EDUC
Timothy Smith	CP&SE	EDUC
Richard West	IP&T	EDUC
Stephen Schultz	ECEn	E&T
Andrew Ning	ME	E&T
Alonzo Cook	CHEME	E&T

Geoffrey Wright	TECH	E&T
Matthew Memmott	CHEME	E&T
Paul Stancil	LAW	LAW
David Day	L. Tom Perry Special Collections (LIB)	LIB
James Gaskin	IS	MSM
Gerrit Dirkmaat	CH&D	REL



Student Recognition

2015 ORCA Grant Recipients

This group is selected by a process resembling the faculty pursuit of external research funding. Students prepare proposals for undergraduate research or creative projects and select faculty mentors. A group of faculty and administrators carefully evaluate all proposals and select those deemed outstanding. The \$1,800 grants are awarded in winter semester and a report on the work is due within a year. These reports are tabulated as the Brigham Young University Journal of Undergraduate Research and Creative Activities, which is published on the Internet under the ORCA homepage (<http://orca.byu.edu>).

<u>Department</u>	<u>Faculty Mentor</u>	<u>Student</u>
Anthropology	Jacob Hickman	Mary Cook
Anthropology	Paul Stavast	Taralea Forster
Anthropology	Jacob Hickman	Richard Gettys
Anthropology	Gregory Thompson	Nicole Rose
Anthropology	Jacob Hickman	Daniel Cardoza
Anthropology	Jacob Hickman	Austin Gillett
Anthropology	Gregory Thompson	Rachel Schwartz
Anthropology	Gregory Thompson	Hailey Leavitt
Anthropology	Gregory Thompson	Jessica Andrus
Asian & Near Eastern Languages	Mark Peterson	Moen Jeong
Asian & Near Eastern Languages	Kirk Belnap	Chase Adams
Biology	John Kauwe	Emily Sears
Biology	John Kauwe	Brian Davis
Biology	Riley Nelson	Sarah Brown
Biology	John Kauwe	Mark Wadsworth
Biology	Seth Bybee	Preston Arnold
Biology	John Kauwe	Josue Gonzalez
Biology	Seth Bybee	Yelena Pacheco
Biology	John Kauwe	Alton Sorensen
Biology	John Kauwe	Ariel Hippen
Biology	Stephen Piccolo	Parker Hollingsworth
Biology	Jack Sites	Greg Taylor
Biology	John Kauwe	Eleni Tukuafu
Biology	Riley Nelson	Samantha Smith
Chemical Engineering	Alonzo Cook	Brady Vance
Chemical Engineering	Alonzo Cook	Ryan Gillis
Chemical Engineering	Alonzo Cook	Jordan Eatough
Chemical Engineering	Alonzo Cook	Matthew Landeen
Chemical Engineering	Alonzo Cook	Tyler Hendricks
Chemical Engineering	Alonzo Cook	Robert Fuller
Chemical Engineering	Bradley Bundy	Steven Stanley

Chemistry & Biochemistry	Daniel Ess	Samuel Roberts
Chemistry & Biochemistry	Daniel Ess	Steven Butler
Chemistry & Biochemistry	Joshua Andersen	Ryan Hyatt
Chemistry & Biochemistry	Barry Willardson	William Ludlam
Chemistry & Biochemistry	Jennifer Nielson	Kyle Long
Chemistry & Biochemistry	Joshua Andersen	Laura Oh
Chemistry & Biochemistry	John Price	Michael Porter
Chemistry & Biochemistry	Adam Woolley	Kaitlyn Brower
Chemistry & Biochemistry	Jaron Hansen	Braden Myers
Chemistry & Biochemistry	John Price	Elise Wilson
Church History & Doctrine	Michael MacKay	Louisa Greear
Church History & Doctrine	Gregory Wilkinson	Kaitlyn Jensen
Church History & Doctrine	Gregory Wilkinson	Rabia Rabia
Church History & Doctrine	Michael MacKay	Donovan Gregory
Civil & Environmental Engineering	W. Spencer Guthrie	Tenli Waters
Civil & Environmental Engineering	Paul Richards	Trevor Jones
Communications Disorders	Martin Fujiki	Maille Coombs
Communications Disorders	Barbara Culatta	Kalan Andersen
Computer Science	Mark Clement	Spring Cullen
Computer Science	Daniel Zappala	Scott Heidbrink
Computer Science	Kent Seamons	Joshua Lowe
Computer Science	Daniel Zappala	Hector Jimenez
Counseling and Psychological Services	Phillip Rash	Zachary White
Counseling, Psychology & Special Education	Timothy Smith	Stefani Smith
Counseling, Psychology & Special Education	Blake Hansen	McKenzie Giles
Counseling, Psychology & Special Education	Blake Hansen	Kristi Hoover
Dance	Nathan Balsler	Crysta Powell
Dance	Nathan Balsler	Logan McGill
Design	James Swensen	Emily Snow
Design	Paul Adams	Sarah Wight
Design	Justin Kunz	Bradley Duke
Design	Daniel Barney	Sarah Waldron
Design	Kelly Loosli	Dylan Hoffman
Economics	Scott Condie	Robert Buss
Economics	Richard Evans	Evan Magnusson
Economics	Kerk Phillips	Isaac Swift
Economics	Brigham Frandsen	Alexander Poulsen
Economics	David Sims	Bryan Seegmiller
Economics	Richard Evans	Kramer Quist
Economics	James McDonald	Daniel Walton
Education Leadership & Foundations	Macleans Geo-Jaja	Melissa Tingey

Education Leadership & Foundations	Macleans Geo-Jaja	Lisa Francis
Electrical & Computer Engineering	David Long	David Lindell
Electrical & Computer Engineering	Aaron Hawkins	Matthew Hamblin
English	Stephen Tuttle	Joshua Sabey
English	Dawan Coombs	Stephen Nothum
English	Jason Kerr	Jenna Carson
English	Dawan Coombs	Colleen McQuay
English	Brandie Siegfried	Victoria Fox
English	Rick Duerden	Catherine Hollingsworth
English	Jon Balzotti	Elisabeth Muldowney
Exercise Science	Ty Hopkins	Brian Wiseman
Exercise Science	Robert Hyldahl	Amanda Gier
Exercise Science	Sarah Ridge	Andrea Henriksen
Exercise Science	Matthew Seeley	Alyssa Evans
Exercise Science	Robert Hyldahl	Ryan Matekel
Exercise Science	Robert Hyldahl	Seth Hampton
Finance & Managerial Economics	Karl Diether	Steven Fortney
French & Italian	Anca Sprenger	Mihai Scrobotovici
French & Italian	Daryl Lee	Danielle Stanford
French & Italian	Daryl Lee	Taylor Madsen
French & Italian	Daryl Lee	Charlotte Coleman
Geology	Eric Christiansen	Michael Jensen
Geology	Ron Harris	Scott Zylstra
Geology	Gregory Carling	Tucker Chapman
German & Slavic Languages	Laura Catharine Smith	Kyle Baird
German & Slavic Languages	Laura Catharine Smith	Erik Arnold
German & Slavic Languages	Robert McFarland	Dianne Isom
Harold B. Lee Library	Gerrit van Dyk	Jeremy Ingersoll
Harold B. Lee Library	Quinn Galbraith	Sean Miner
Health Science	Randy Page	Grace Mitton
Health Science	James Johnston	Rebecca Bradshaw
History	Paul Kerry	Ryan Blank
Humanities	Christopher Oscarson	Chelsea Francis
Information Systems	Jeffrey Jenkins	Parker Williams
Information Systems	Mark Keith	Thong Pham
Information Systems	Thomas Meservy	Aaron Sainsbury
Instructional Psychology & Technology	Peter Rich	Kyle Clements
J. Reuben Clark Law School	Brigham Daniels	Hugo Fraga
Linguistics	Marvin Gardner	Shane Peterson
Linguistics	Cynthia Hallen	Preston Christensen
Linguistics	Janis Nuckolls	Diana Sun

Linguistics	David Eddington	Stephanie Hedges
Linguistics	Dirk Elzinga	Trenton Hyer
Linguistics	William Eggington	Emily Russavage
Marketing & Global Supply Chain	Ryan Elder	Wade Wade
Mathematics	Jeffrey Humpherys	Alexander Zaitzeff
Mechanical Engineering	Brian Iverson	Carson Storey
Mechanical Engineering	Christopher Mattson	McCall Barger
Mechanical Engineering	Brian Jensen	Bradley Hanks
Mechanical Engineering	Christopher Mattson	Braden Hancock
Mechanical Engineering	Christopher Mattson	Gerrit Noorda
Mechanical Engineering	Brian Jensen	Dallin Lindstrom
Mechanical Engineering	Eric Homer	Jonathan Priedeman
Mechanical Engineering	Marc Killpack	Phillip Hyatt
Mechanical Engineering	Mark Colton	Austin Rogers
Mechanical Engineering	Julie Crocket	Mikkel Unrau
Mechanical Engineering	Brian Iverson	Benjamin Brownlee
Mechanical Engineering	Matthew Jones	Joshua Schmidt
Mechanical Engineering	Andrew Ning	Nicolas Bons
Mechanical Engineering	Anton Bowden	Boston Barham
Microbiology & Molecular Biology	Brad Berges	Jacob Hatch
Microbiology & Molecular Biology	Julianne Grose	Cameron Sargent
Microbiology & Molecular Biology	William McCleary	Matthew Phillips
Microbiology & Molecular Biology	Scott Weber	Kemais Ehlers
Microbiology & Molecular Biology	Bradford Berges	Tyler White
Microbiology & Molecular Biology	Scott Weber	Kurt Williams
Microbiology & Molecular Biology	Laura Bridgewater	Andrew Rees
Microbiology & Molecular Biology	Bradford Berges	Trevor Wienclaw
Microbiology & Molecular Biology	Brad Berges	Gregory Low
Microbiology & Molecular Biology	William McCleary	Tanner Dean
Microbiology & Molecular Biology	Brent Nielsen	Rebecca Winner
Music	Claudine Bigelow	Caryn Jackson
Music	Robert Brandt	David Seay
Music	Ron Saltmarsh	Dallas Crane
Music	David Brown	Logan Anderson
Music	Alexander Woods	Molly Cowley
Nursing	Lacey Eden	Alli Simmons
Nursing	Stacie Hunsaker	Torrie Robinson
Nursing	Renea Beckstrand	Jamie Cassinat
Nursing	Karen Whitt	McKenna Hughes
Nursing	Karen Whitt	Chalese Adams
Nursing	Katreena Merrill	Brianna Berg

Nursing	Stacie Hunsaker	Erika Brown
Nursing	Katreena Merrill	Braidee Adams
Nursing	Barbara Heise	Emma Robinson
Nursing	James Kohl	Kaitlyn Jackman
Nursing	Janelle Macintosh	Adelynn Schafer
Nursing	Bret Lyman	Kalene Mears
Nursing	Julie Valentine	Kelsie Pead
Nutrition, Dietetics & Food Science	Jeffery Tessem	Amanda Hobson
Nutrition, Dietetics & Food Science	Jeffery Tessem	Benjamin Bitner
Nutrition, Dietetics & Food Science	Jason Kenealey	Joshua Peterson
Nutrition, Dietetics & Food Science	Jeffery Tessem	Kyle Kener
Nutrition, Dietetics & Food Science	Jeffery Tessem	Jordan Tingey
Nutrition, Dietetics & Food Science	Jeffery Tessem	Carrie Draney
Organizational Leadership-Strategy	Paul Godfrey	Cameron Zenger
Organizational Leadership-Strategy	Jeff Bednar	Rolf Dixon
Organizational Leadership-Strategy	David Kryscynski	Grant Russell
Philosophy	Travis Anderson	Chloe Halsey
Philosophy	Gordon Mower	William McMurray
Philosophy	Dennis Packard	Dallin Robison
Physics & Astronomy	Kent Gee	Kevin Leete
Physics & Astronomy	Dallin Durfee	McKinley Pugh
Physics & Astronomy	David Nielsen	Forrest Glines
Physics & Astronomy	John Colton	Kyle Miller
Physics & Astronomy	Robert Davis	Steven Noyce
Physics & Astronomy	Justin Peatross	David Squires
Physics & Astronomy	Dallin Durfee	Adam Kingsley
Physics & Astronomy	Steven Turley	Benjamin Smith
Physics & Astronomy	Steven Turley	Stephanie Thomas
Physics & Astronomy	Mark Transtrum	Alexander Shumway
Physics & Astronomy	Scott Bergeson	Alex Erikson
Physiology & Developmental Biology	Jonathan Wisco	Nate Hainsworth
Physiology & Developmental Biology	Jonathan Wisco	Craig Clayton
Physiology & Developmental Biology	Jonathan Wisco	Mark Roth
Physiology & Developmental Biology	Michael Stark	Bradley Haynes
Physiology & Developmental Biology	Arminda Suli	Hannah Waddel
Physiology & Developmental Biology	Jonathan Wisco	Michael Gillespie
Physiology & Developmental Biology	Jonathan Wisco	Harrison Snyder
Physiology & Developmental Biology	Jeff Edwards	Tyler Hammond
Physiology & Developmental Biology	Jonathan Wisco	Jakob Gamboa
Physiology & Developmental Biology	Jonathan Wisco	Brandon Herrington
Physiology & Developmental Biology	Jeff Edwards	Michael Christensen

Physiology & Developmental Biology	Jonathan Wisco	Adam Jorgensen
Plants & Wildlife Sciences	John Chaston	Alec Judd
Plants & Wildlife Sciences	Bradley Geary	Rufus Sweeney
Plants & Wildlife Sciences	Bradley Geary	Preston Hatch
Plants & Wildlife Sciences	John Chaston	Toree Lammel
Plants & Wildlife Sciences	Joshua Udall	Zachary Liechty
Plants & Wildlife Sciences	Brad Geary	Madsen Sullivan
Plants & Wildlife Sciences	John Chaston	Kyle Olsen
Plants & Wildlife Sciences	Eric Jellen	Evan Braithwaite
Political Science	Darren Hawkins	Taylor Rawson
Political Science	Joel Selway	Laura Boyer
Political Science	Jeremy Pope	Morgan Williams
Political Science	Michael Barber	MichaelSean Covey
Political Science	Darren Hawkins	Daehyeon Kim
Political Science	Michael Barber	Sean Stephenson
Political Science	Chris Karpowitz	John Griffith
Political Science	Joel Selway	Carly Madsen
Political Science	Michael Barber	Hayden Galloway
Political Science	Darren Hawkins	Matthew Young
Political Science	Daniel Nielson	Robert Francis Katherine Westmoreland
Political Science	Chris Karpowitz	James Martherus
Political Science	Quin Monson	Caroline Black
Political Science	Donna Bowen	Alejandra Gimenez
Political Science	Quin Monson	Devin Bradshaw
Psychology	Scott Steffensen	Seth Spencer
Psychology	Brock Kirwan	Nathan Alder
Psychology	Michael Larson	Devin Petersen
Psychology	Tyler Pedersen	Kaylie Carbine
Psychology	Michael Larson	Bryce Owen
Psychology	Brock Kirwan	Tyshae David
Psychology	Michael Larson	Riley Barrington
Psychology	Dee Higley	Jacob Tengelsen
Psychology	Robert Ridge	Kayla Alder
Psychology	Brock Kirwan	Chelsea Romney
Psychology	Michael Larson	Eli Schriever
Psychology	Scott Steffensen	Randall Beck
Psychology	Michael Larson	Jordan Sgro
Psychology	Wendy Birmingham	Tyler Ekins
Psychology	Scott Steffensen	Anna Banks
Psychology	Steven Luke	

Psychology	Jeffrey Reber	Taylor Davies
Psychology	Brock Kirwan	Storm Atwood
Psychology	Wendy Birmingham	Emily Hartung
Psychology	Scott Steffensen	Taylor Woodward
Psychology	Scott Steffensen	Zachary Gardner
Psychology	Scott Steffensen	Krisana Finlay
Psychology	James Higley	Andrew Aston
Psychology	James Higley	Stephen Anderson
Psychology	Michael Larson	Travis Johnson
Psychology	Scott Steffensen	Ian Armstrong
Psychology	James Higley	Hannah Page
Psychology	Michael Larson	Katherine Slinn
Psychology	Christopher Kirwan	Cassie Widdison
Psychology	Scott Steffensen	Andrew Lamprecht
Religious Education	Dana Pike	Justin Moses
Religious Education	David Seely	Juan Pinto
Religious Education	Kerry Muhlestein	Bethany Jensen
Romney Institute of Public Management	Bradley Agle	Tyson Tharp
School of Family Life	Larry Nelson	Brandon Clifford
School of Family Life	David Nelson	Landon Hale
School of Family Life	Sarah Coyne	Madison Memmott
School of Family Life	Brian Willoughby	Bonnie Young
School of Family Life	David Nelson	Audrey Gunnell
School of Family Life	Larry Nelson	Hannah Brau
School of Family Life	David Nelson	Stacy Call
School of Technology	David Morgan	Carrie Etherington
School of Technology	David Morgan	Nichole Cross
School of Technology	Derek Hansen	KuoChih Lo
School of Technology	Derek Hansen	Kyle Bryant
School of Technology	Dale Rowe	Sarah Cunha
Sociology	Kristie Phillips	Shelby McNeil
Sociology	Mikaela Dufur	Daniela Barriga
Sociology	Mikaela Dufur	Camila Trujillo
Sociology	Bejamin Gibbs	Ian Peacock
Sociology	Renata Forste	Benjamin Fife
Sociology	Jacob Rugh	Conrad Ashby
Sociology	Curtis Child	Paul Bauman
Sociology	Mikaela Dufur	ShaNae Foster
Sociology	Renata Forste	Caleb Porter
Spanish & Portuguese	Jeffrey Turley	India Johnson
Spanish & Portuguese	James Krause	Cai Olsen

Theatre & Media Arts
Theatre & Media Arts
Theatre & Media Arts
Theatre & Media Arts
Theatre & Media Arts
Theatre & Media Arts
Theatre & Media Arts

Mary Farahnakian
Tom Lefler
Tom Lefler
Tim Threlfall
Lindsay Livingston
Lindsay Livingston
George Nelson

Rebekah Jackson
Matthew Siemers
Nick Ritter
Preston Yates
Kristin Perkins
Pearl Corry
Kira Stone



Appendix 1

The Office of Research & Creative Activities

Purpose. The office exists to support students, staff, faculty, and the BYU administration in their efforts to encourage and support research, creative activities, and other expressions of academic scholarship.

Functional Organization. The office is organized to provide service to organized research and creative activities and to provide supportive leadership to such policy matters as appropriate. The office is under the direction of the Associate Academic Vice President for Research and Graduate Studies. The staff consists of a Directory, an Associate Director, a Research Administrator, and office staff.

The office has a close relationship with the Technology Transfer Office and the Creative Works Office for coordination of certain pre-award contacts, with the Accounting Office for post-award grant and contract accounting, and with the Faculty Personnel Office for payment of research compensation.

Personnel.

Title: Personnel

Director:	Gary R. Reynolds
Associate Director:	Gene Larson
Research Administrator:	Debbie Silversmith
Research Administrator:	Marilyn Webb
IRB Administrator:	Sandee Aina
Office Manager/Secretary:	Rachel Teki
IACUC/Mentoring Secretary:	Hannah Miller, Sarah Webb
Part-time Secretaries:	Ginger Dahl, Natalie Moeller, Bethany Winn
Web Site Administrator:	Daniel Lee

Office Functions.

- 1) Policy Review and Development
 - ◆ Monitor research accounts in conjunction with Financial Services to assure compliance with contract requirements, government regulations, and BYU policy.
 - ◆ Review and update BYU policies relative to research.
- 2) Opportunity and Expertise Matching
 - ◆ Represent the university's research program to other research organizations, funding agencies, and other universities.
 - ◆ Match-making (requests for proposals and faculty).

- ◆ Monitor requests for proposals and deadlines.
 - ◆ Disseminate information on funding opportunities to faculty.
 - ◆ Maintain up-to-date reference files of funding sources, agency directories, and BYU faculty research.
 - ◆ Distribute a monthly newsletter containing funding opportunities and other information to faculty members on campus.
- 3) Proposal Preparation and Submission
- ◆ Coordinate the preparation of large, inter-collegiate, and inter-institutional research proposals.
 - ◆ Assist with proposal budgets and processing for signatures.
 - ◆ Assist in developing process/software for budgets and forms.
 - ◆ Copy, mail, log, and file proposals.
- 4) Negotiating and Interacting with Sponsors
- ◆ Negotiate and manage grants and contracts.
 - ◆ Interface with sponsoring agencies to maintain awareness of research funding trends.
 - ◆ Represent the university's research programs to other research organizations, funding agencies, and other universities.
- 5) Compliance with Federal and Other Requirements
- ◆ Monitor government regulations pertaining to federal grants and contracts.
 - ◆ Work with the Inventory Office to manage government property to assure compliance with federal regulations.
 - ◆ Assure compliance with reporting requirements and manage closeout documentation.
 - ◆ Oversee three compliance committees and assist them through secretarial support for meetings, correspondence, and proposal approval.
- 6) Negotiating and Interfacing with Subcontractors and Independent Contractors/Consultants
- ◆ Negotiate terms of agreement or subcontract.
 - ◆ Monitor agency regulations and BYU policy and procedures for stipulations concerning subcontracts and/or independent consultants/contractors.
 - ◆ Prepare contracts, amendments, payment documents, and initiate processing through the university.
 - ◆ Administer contractual terms between prime contractor (BYU) and subcontractors and or/consultants.
 - ◆ Approve payment of invoices from subcontractors and consultants.
 - ◆ Educate principal investigators.
- 7) Project and Account Management (Post-Award)
- ◆ Control assignment of account numbers and coordinate activation with Financial Services.
 - ◆ Certify expenditure documents on research accounts.
 - ◆ Monitor research accounts in conjunction with Financial Services to assure compliance with contract requirements, government regulations, and BYU policy.
 - ◆ Manage government property to assure compliance with federal regulations.
 - ◆ Assist Financial Services with audits of project accounts.
 - ◆ Assure compliance with reporting requirements and manage closeout documents.
 - ◆ Act as a liaison between researchers, other university offices, and sponsors to facilitate and administrate management of projects.
 - ◆ Administer the activities of the office dealing with the management of research contracts.
 - ◆ Prepare paperwork and correspond with faculty to request payment of salaries and supplemental research compensation of research accounts.
- 8) Financial Management

- ◆ Establish research accounts.
 - ◆ Document cost sharing.
 - ◆ Process cost transfers.
 - ◆ Document and report time and effort.
 - ◆ Compile and publish monthly and yearly financial reports.
 - ◆ Invoice and manage funds from sponsors.
 - ◆ Monitor university compliance with appropriate federal and state regulations.
 - ◆ Assist with completion of annual audits.
 - ◆ Compile, maintain, and distribute reports on waived indirect costs.
- 9) Student Mentoring Program
- ◆ Host Annual Sponsored Research Achievement Luncheon and present Sponsored Research Achievement Award.
 - ◆ Conduct Undergraduate Research and Creative Activities Scholarship competition.
 - ◆ Conduct Environments for Mentoring Grants competition.
 - ◆ Build library database of mentored environments from across campus.
 - ◆ Represent the university in national, regional, and state research organizations.
 - ◆ Administer recognition awards.
 - ◆ Assist in coordinating graduate fellowships.
- 10) Policy Review and Development
- ◆ Develop policies and procedures to foster research.
 - ◆ Publish policy brochures for dissemination to campus community.
 - ◆ Update BYU policies relevant to research and creative activities in the electronic handbook.
- 11) University Negotiations/Trouble Shooting
- ◆ Participate in DHHS indirect costs justification.
 - ◆ Review/respond to internal and external audits.
 - ◆ Direct negotiations with sponsors/federal agencies on problems such as termination or nonpayment of invoices.
- 12) Management of Undergraduate Research and Creative Activities Program
- ◆ Work with the honors program and existing college and departmental programs to assure students of opportunities to participate and receive recognition for their efforts.
 - ◆ Approve proposals, award fellowships, and administer scholarships.
 - ◆ Approve research employment and indirect cost recognition.
 - ◆ Attend the National Undergraduate Research Administration meetings.
 - ◆ Identify and assist existing efforts through financial incentives, recognition, and formal participation in a university-wide program.
- 13) Office Management
- ◆ Assist in budget management and accounting of office accounts.
 - ◆ Put together an annual report of university research activities.
 - ◆ Monitor and compile Full-time Equivalency reports.
 - ◆ Type and distribute a monthly Funding Activity Report (FAR).
 - ◆ Generate summer salary and supplemental research payments.
 - ◆ Assist in preparation of reports and paperwork.
 - ◆ Produce the Annual Report of Scholarly Productivity.
 - ◆ Produce the Journal of Undergraduate Research and Creative Activities on the Internet.
 - ◆ Maintain ORCA homepage (<http://orca.byu.edu>).



Appendix 2

Compliance Obligations (As Per Federal Statute or Regulation)

The following pages list those areas where formal compliance to federal statutes and regulations is required to participate in federal funding. The full list is included to illustrate the range of possible certification or other compliance. Specific grants and contracts may involve only a subset of these compliance obligations.

Regulatory Framework

- Office of Management and Budget
 - Circular No. A-21
 - Circular No. A-110
 - Circular No. A-133
- Federal Acquisition Regulations (FAR)
- Defense Federal Acquisition Regulations (DFAR)
- Department of Energy Acquisition Regulations (DEAR)
- USAID Acquisition Regulations (AIDAR)
- HIPPA
- FFATA
- ITAR/EAR
- RCR – NSF
- E-Verify
- The Coordinated Review Process-Executive Order 12372
- Rights to Inventions Made by Nonprofit Organizations and Small Business Firms
- Compliance Information for Specific Circumstances
 - Facilities Management
 - Historic Preservation
 - Paperwork Reduction Act

Individual Rights

- Antidiscrimination
 - Civil Rights Act of 1964—Title VI
 - Employment of the Handicapped-Rehabilitation Act of 1973
 - Americans with Disabilities Act
 - Title IX—Sex Discrimination
 - Age Discrimination
 - Equal Employment Opportunity
 - Affirmative Action for Special Disabled and Vietnam Era Veterans
 - Utilization of Women-Owned Small Business
 - Utilization of Labor Surplus Area Concerns
 - Utilization of Small and Small Disadvantaged Business Concerns

Privacy

- Privacy Act of 1974
- Freedom of Information Act
- Confidentiality of Patient Records

Protection Issues

- Environmental Protection
 - Clean Air Act and Clean Water Act
 - Hazardous Materials
- Protection of Living Organisms
 - Human Subjects Compliance
 - Use of Animals in Research
 - Marine Mammal Act
 - Research Involving Recombinant DNA Molecules

Employee Directives

- Drug-free Workplace
- Drug-free Work Force
- Drug-free Schools and Campuses Act
- Lobbying
- Occupation Safety and Health
- David Bacon Act
- Walsh-Healey Public Contracts Act
- Service Contract Act
- Contract Work Hours and Safety Standards Act of 1962

Fraud, Waste, and Abuse

- Misconduct in Science
- Procurement Integrity
- Debarment and Suspension
- Covenant Against Contingent Fees
- Anti-Kickback Act of 1986
- Officials Not to Benefit

Specific Administrative Requirements

- General Requirements
 - Buy American Act
 - Fly American Act
 - Competition in Contracting
 - Export Administration Act and Arms Export Control Act
 - Insurance-Immunity from Tort Liability
 - Prompt Payment
 - Non-delinquency of Federal Debt
 - Certificate of Current Cost and Pricing Data
 - Acknowledgment of Federal Grant Support (Stevens Amendment)