



# 2011 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

# Table of Contents

Preface.....	3
The University .....	4
Information by College or School.....	13
David O. McKay School of Education .....	18
Engineering & Technology.....	23
Family, Home & Social Sciences .....	36
Fine Arts & Communications .....	43
Humanities .....	47
J. Reuben Clark Law School.....	53
Life Sciences.....	57
Marriott School of Management.....	66
Nursing.....	71
Physical & Mathematical Sciences.....	76
Religious Education .....	88
Non-College Units .....	93
Administrative Support of Compliance Committees and Regulations .....	98
Faculty Recognition .....	103
Student Recognition.....	108
Appendix 1.....	117
Appendix 2.....	121

# Preface

This report covers January 1, 2011 to December 31, 2011.

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.

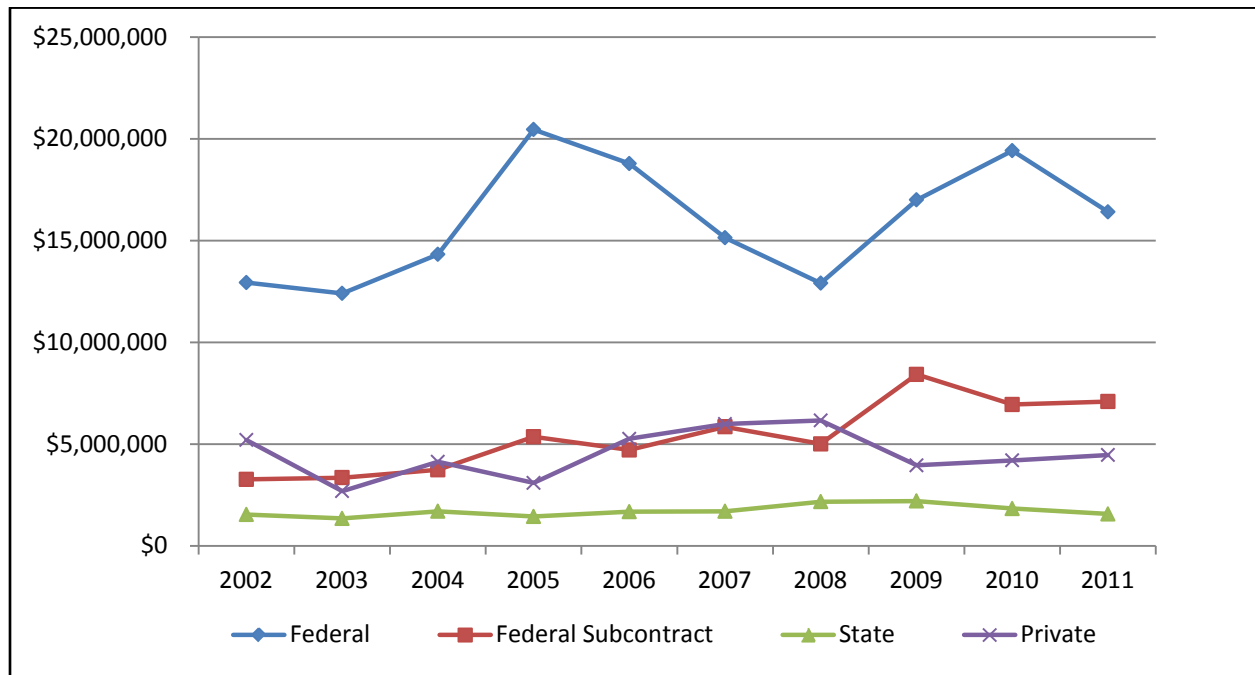
# The University



O·R·C·A

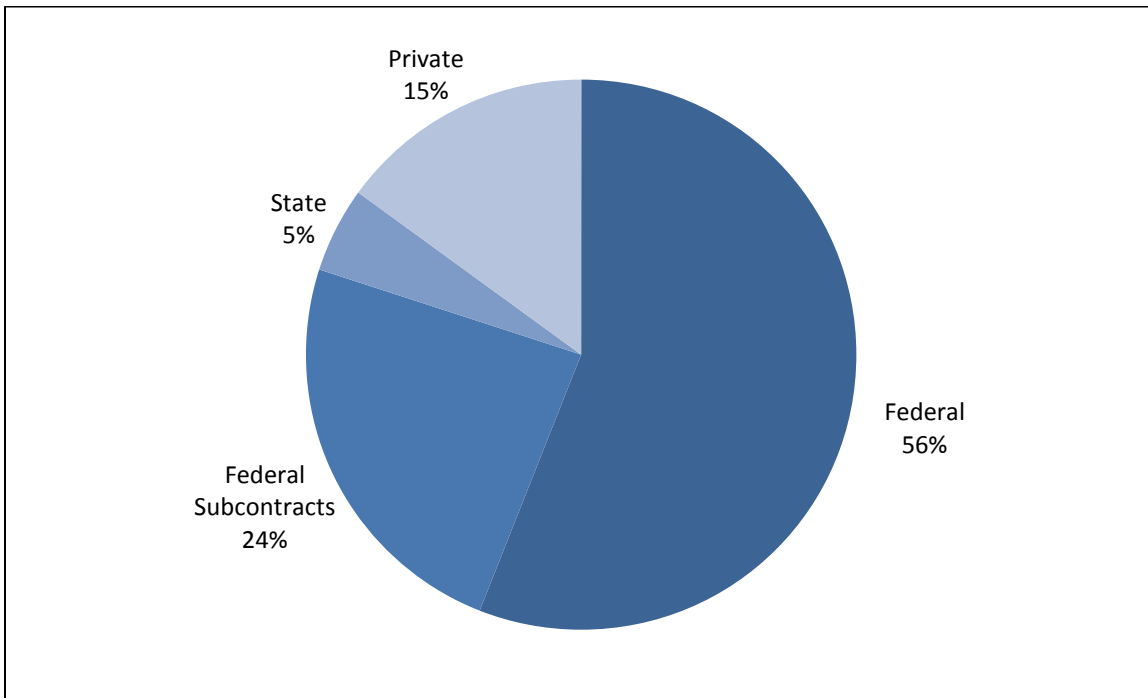
# External Research Funding

Grants/Contracts						
Year	Federal	Federal Subcontract	State	Private	Total	%Federal
2002	\$12,942,472	\$3,271,259	\$1,547,471	\$5,210,390	\$22,971,592	71%
2003	\$12,412,311	\$3,359,540	\$1,352,811	\$2,694,628	\$19,819,290	80%
2004	\$14,330,621	\$3,741,503	\$1,708,839	\$4,137,035	\$23,917,998	76%
2005	\$20,464,956	\$5,366,648	\$1,449,466	\$3,098,213	\$30,379,283	85%
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%



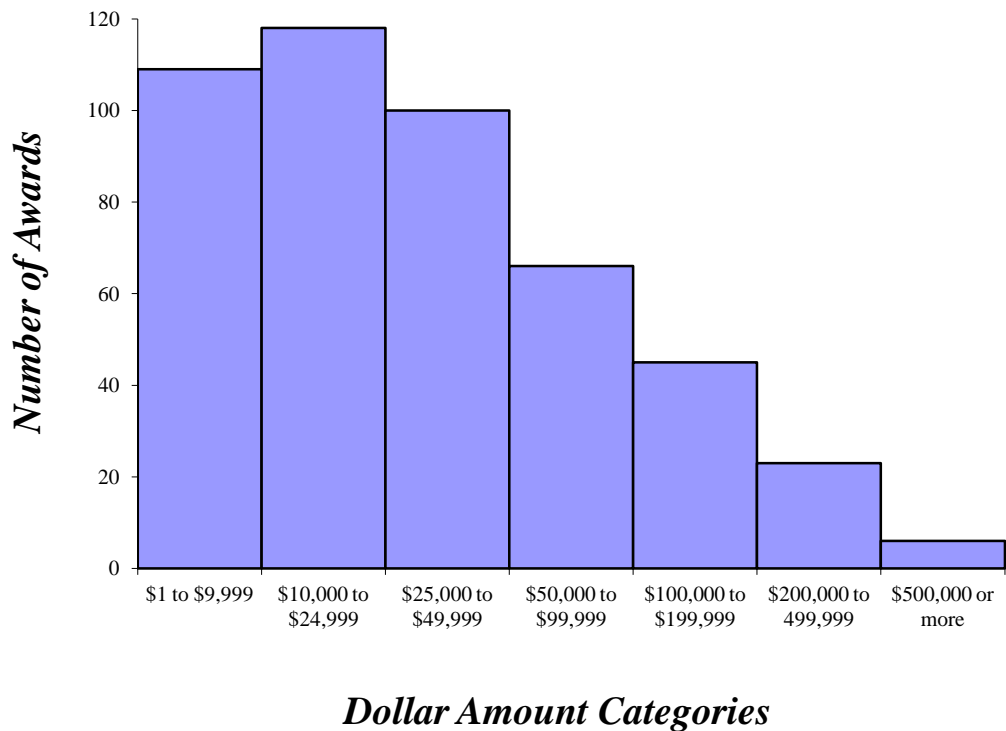
# External Funds by Source–2011

Source	Amount	% of Total
Federal	\$16,415,455	56%
Federal Subcontracts	\$7,097,675	24%
State	\$1,572,162	5%
Private	\$4,471,211	15%
<i>Total Funding</i>	\$29,556,503	100%

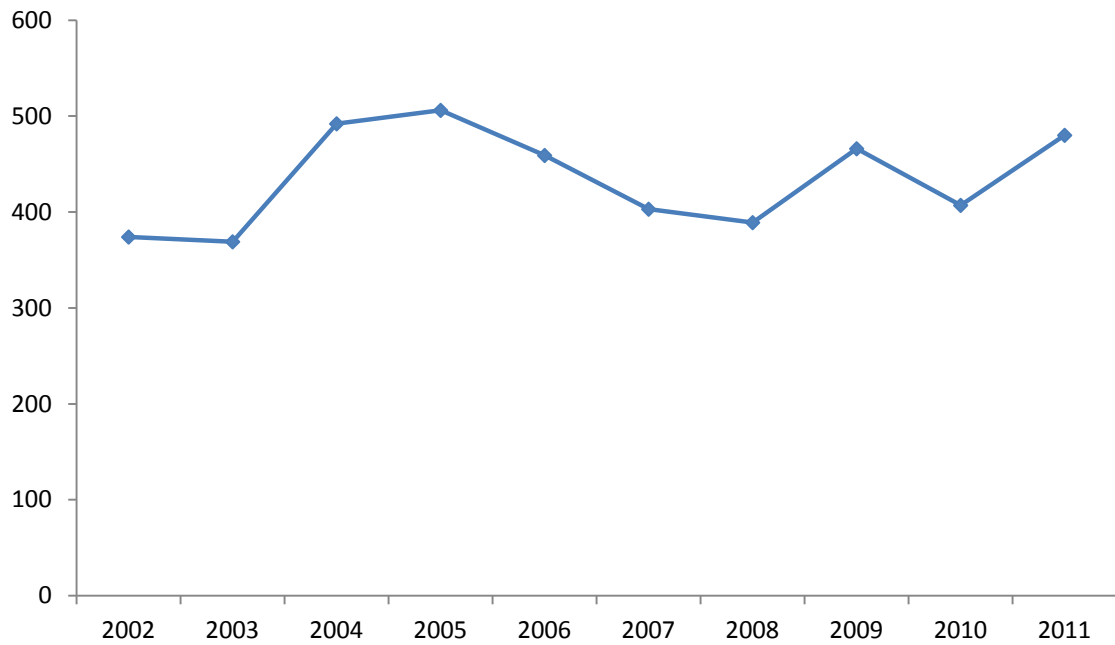


# Grant/Contract Awards by Amount—2011

Dollar Amount Categories	# of Awards	% of Total Awards by #	\$ Awards	% of Total Awards by \$ Amount
\$1 to \$9,999	109	23%	\$482,318	2%
\$10,000 to \$24,999	118	25%	\$1,911,132	6%
\$25,000 to \$49,999	100	21%	\$3,621,696	12%
\$50,000 to \$99,999	66	14%	\$4,576,257	15%
\$100,000 to \$199,999	45	10%	\$5,686,354	19%
\$200,000 to \$499,999	23	5%	\$7,037,887	24%
more than \$500,000	6	1%	\$6,240,859	21%
<b>Totals</b>	<b>467</b>	<b>100%</b>	<b>\$29,556,503</b>	<b>100%</b>



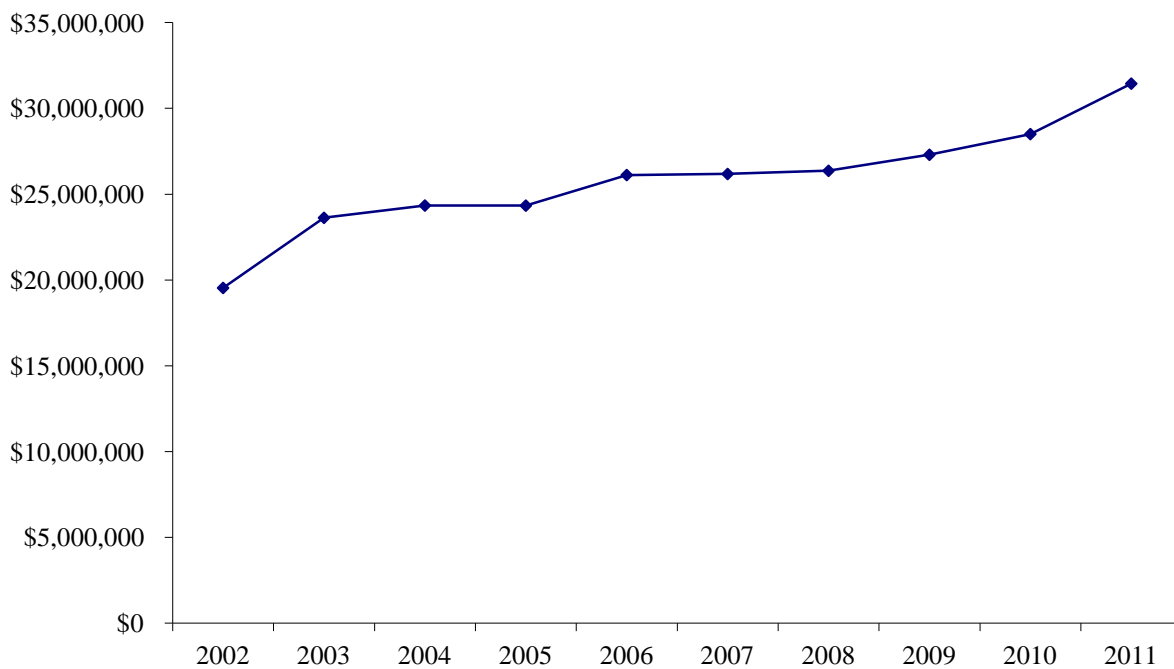
# Proposals Submitted





# Total Expenditures (Grants and Contracts)

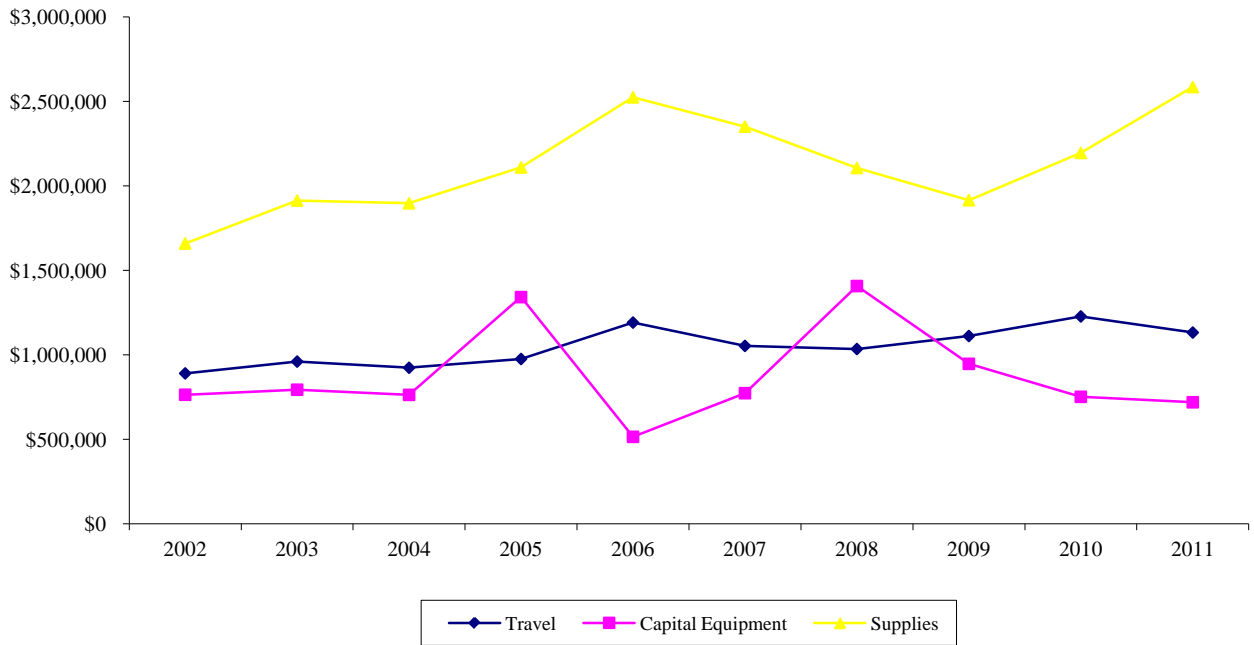
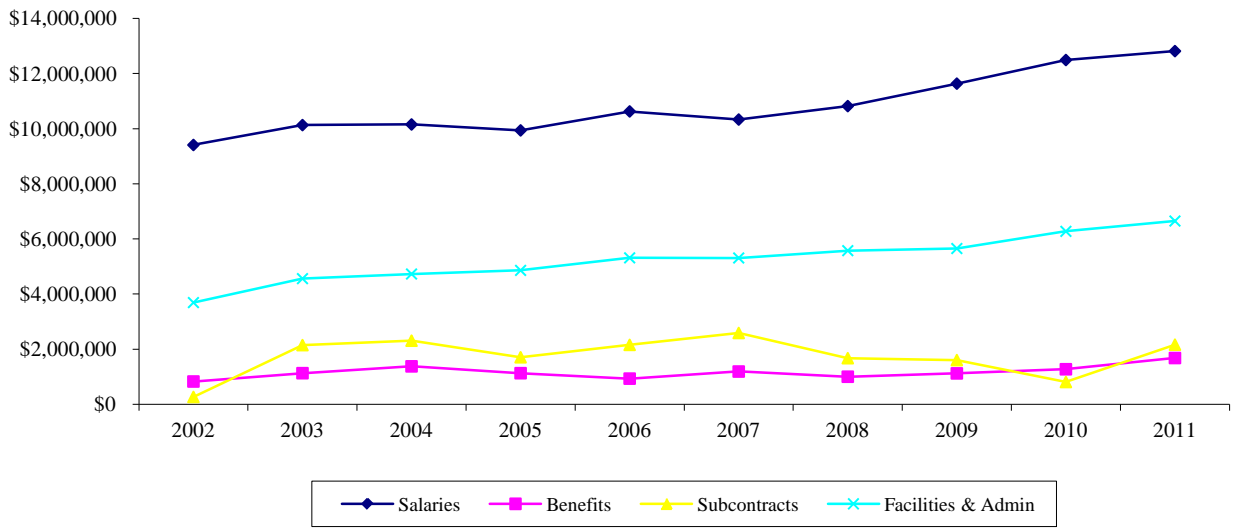
Year	Total Expenditures
2002	\$19,536,264
2003	\$23,623,643
2004	\$24,339,292
2005	\$24,334,391
2006	\$26,117,033
2007	\$26,178,686
2008	\$26,364,124
2009	\$27,299,213
2010	\$28,503,008
2011	\$31,443,918



# 2011 Research Contract/Grant Expenditures by Category

<i>Personnel Costs</i>	<i>Amount</i>
<i>Salaries &amp; Wages</i>	
Administrative Salaries	737,105
Faculty Salaries	151,427
Faculty Sal-Visit-Health Ben	1,264,743
Faculty—Supplemental	2,392,897
Part-time Faculty Salaries	491,531
Other Wages	366,137
Staff Salaries	380,275
Student Contracts	3,602,146
Student Wages	3,428,965
<b>Total Salaries &amp; Wages</b>	<b>\$12,815,225</b>
Fringe Benefits	\$1,679,368
<b>Total Personnel Costs</b>	<b>\$14,494,592</b>
<i>Other</i>	
Access Equipment	18,831
Advertising	-
Capital Equipment	720,342
Conference & Symposium Costs	153,068
Computer Serv-Campus-Contract	930
Consultants	563,553
Contract Services	556,873
Employee Development/Training	33,525
Equipment Repair & Maintenance	45,875
Exempt Account	-
Facilities Repair & Maintenance	31,750
Facilities & Administration	6,650,044
Hosting, Food, Entertainment	24,538
Non-Capital Equipment	114,679
Participant Stipends	153,488
Postage & Mailing	9,128
Printing & Copying	24,358
Program Income	-
Purchase Discounts Earned	(118)
Rental Expense	118,316
Research Fellowships	-
Research Publications Costs	14,250
Software Acquisitions/Support	37,121
Student Aid	1,757,346
Subcontracts	2,163,539
Supplies	2,585,751
Telecommunications	30,018
Travel	1,132,901
Uniforms/Costumes/Laundry	9,078
Utilities	143
<b>Total Other Expenditures</b>	<b>\$16,949,326</b>
<b>Total Research Expenditures</b>	<b>\$31,443,918</b>

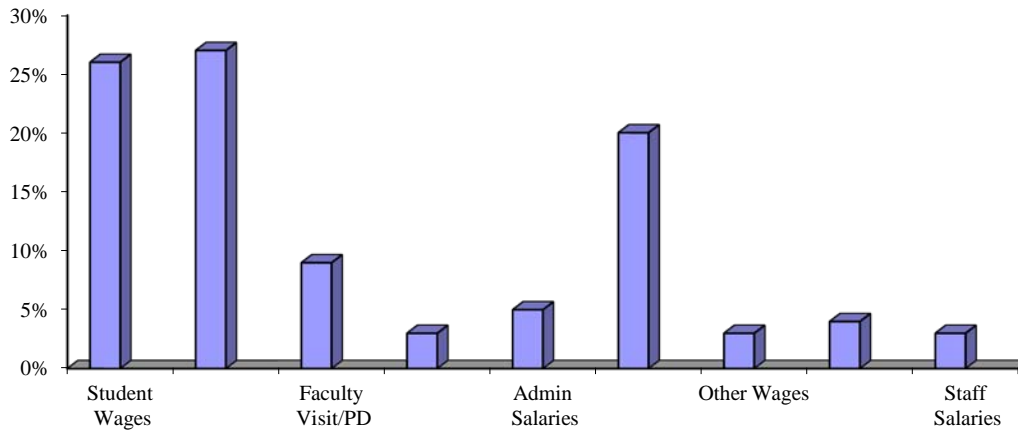
# Research Dollars Expended (Grants and Contracts Only)



# Salary and Wage Expenditures (Grants and Contracts Only)

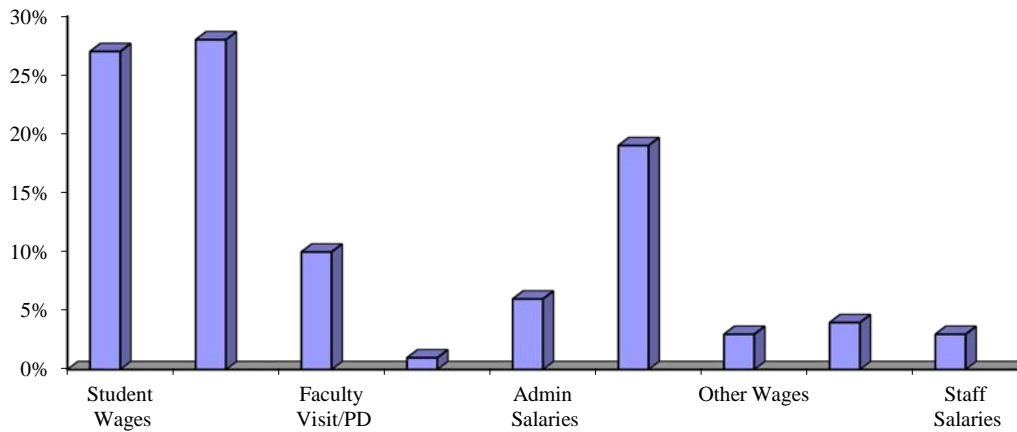
2010

Total: \$12,492,213



2011

Total: \$12,815,225

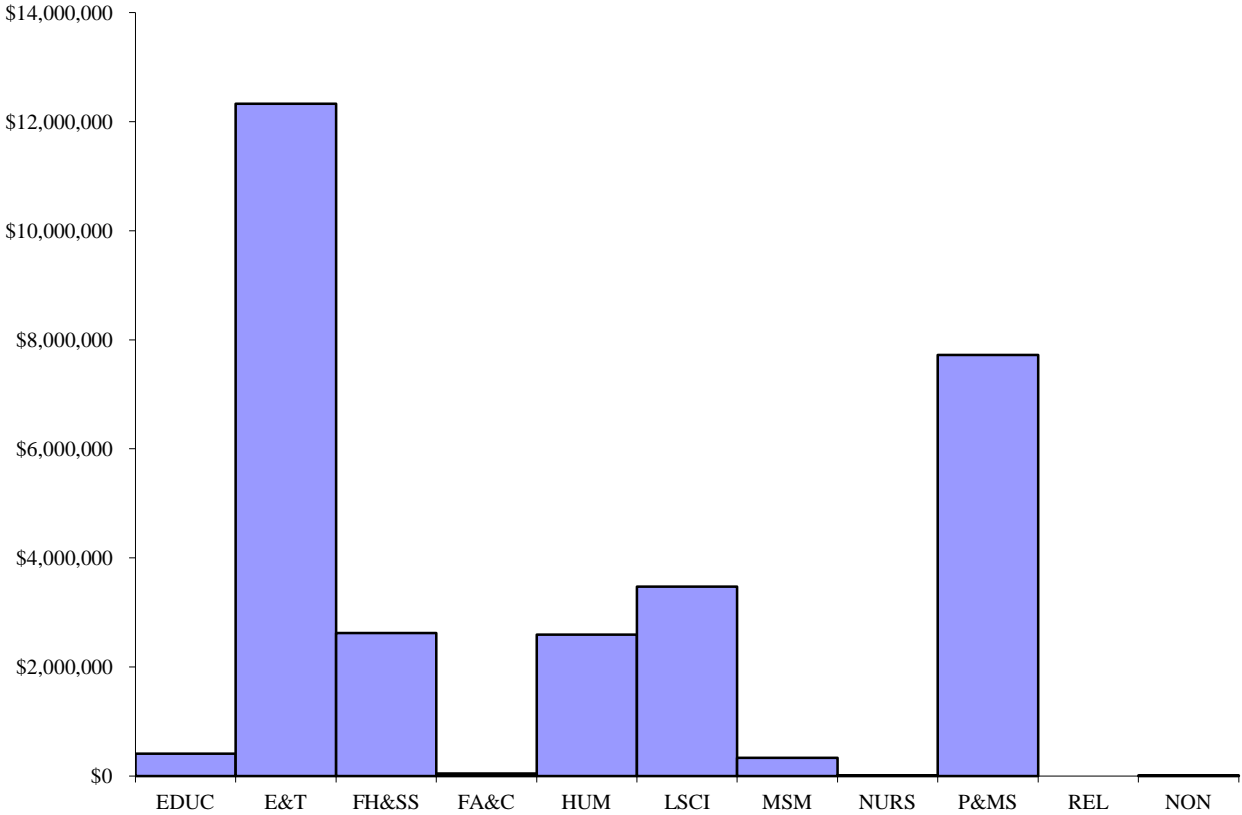




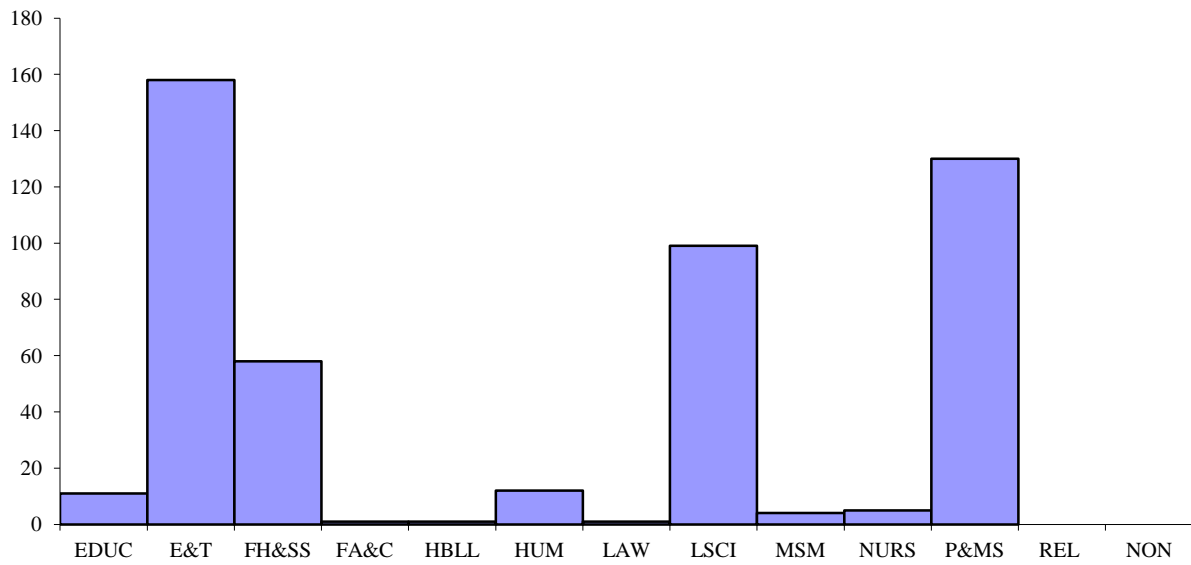
# Information by College or School

# Award Amount Totals 2011

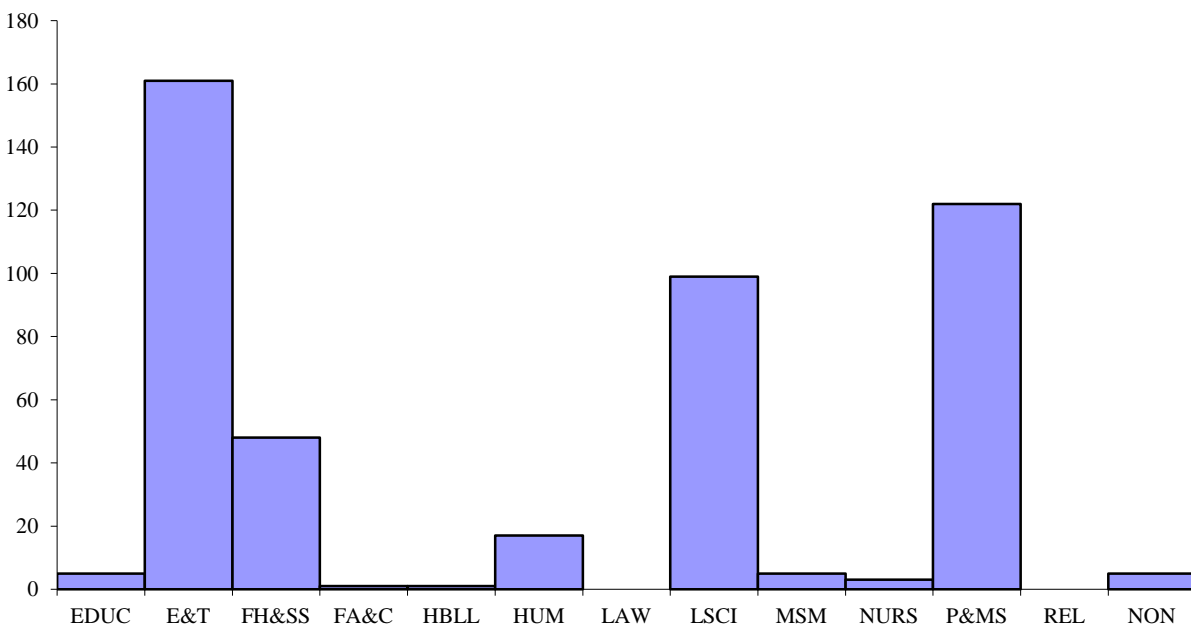
<i>College or School</i>	<i>Total</i>
Education	\$412,000
Engineering & Technology	\$12,332,930
Family, Home & Social Sciences	\$2,624,522
Fine Arts & Communications	\$47,250
Humanities	\$2,591,182
Life Sciences	\$3,475,123
Marriot School of Management	\$331,121
Nursing	\$9,250
Physical & Mathematical Sciences	\$7,723,290
Religious Education	\$0
Harold B. Lee Library	\$6,000
Non-College Units (with HBLL on Graph)	\$3,030
<b><i>University Total</i></b>	<b>\$29,556,503</b>



# Number of Proposals 2011



# Number of Awards 2011



# Research Contract/Grant Awards by College and Department 2011

<i>College and Department</i>	<i>Amount</i>
<b><u>Campus Life</u></b>	Campus Life 2,500
<b><u>Education</u></b>	CITES 102,950 Communication Disorders 0 Counseling and Special Educ 10,015 Education Leadership & Foundations 0 Instructional Psychology 0 Teacher Education 299,035 <b>TOTAL</b> \$412,000
<b><u>Engineering &amp; Technology</u></b>	Chemical Engineering 1,733,731 Civil and Environmental Eng 4,086,092 Electrical and Computer Eng 2,644,225 Mechanical Engineering 3,455,266 School of Technology 324,616 <b>TOTAL</b> \$12,332,930
<b><u>Fine Art and Communications</u></b>	Museum of Art 60,000 Dance 47,250 <b>TOTAL</b> \$107,250
<b><u>Family Home &amp; Social Sciences</u></b>	Anthropology 0 Economics 398,841 History 0 Office of Public Archeology OPA 677,298 Political Science 1,126,644 Psychology 166,135 School of Family Life 40,551 Sociology 93,352 Social Work 2,500 <b>TOTAL</b> 2,564,522



---

**College and Department****Amount****Humanities**

Asian & Near East Languages	2,192,863
Linguistics	40,500
Center for Language Studies	300,113
English	35,000
Spanish & Portuguese	22,706
<b>TOTAL</b>	<b>\$2,591,182</b>

**J. Reuben Clark Law School**

\$0

**Library**

\$ 6,000

**Life Sciences**

Bean Museum	24,000
Biology	714,297
Exercise Science	10,004
Health Science	4,340
Microbiology & Molecular Biology	1,300,122
Nutrition, Dietetic, & Food Science	314,614
Physiology & Developmental Biology	221,209
Plant & Wildlife Sciences	886,537
<b>TOTAL</b>	<b>\$3,475,123</b>

**Marriott School of Management**

Business Management	120,000
Global Management Center	175,321
Organizational Leadership-Strategy	35,800
<b>TOTAL</b>	<b>\$331,121</b>

**Nursing**

\$ 9,250

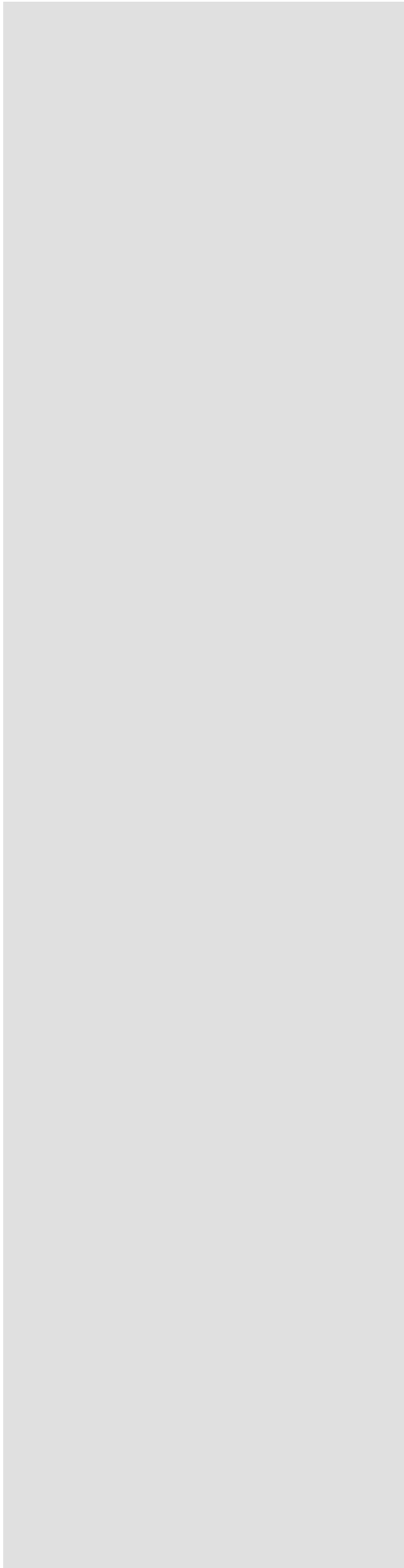
**Office of Research & Creative Activities**

\$ 1,335

**Physical & Math Sciences**

Chemistry and Biochemistry	4,568,886
Computer Science	653,632
Earth Science Museum	1,762
Geology	398,627
Mathematics	106,010
Physics & Astronomy	1,651,062
Statistics	303,480
<b>TOTAL</b>	<b>\$7,723,290</b>

**Grand Total****\$ 29,556,503**

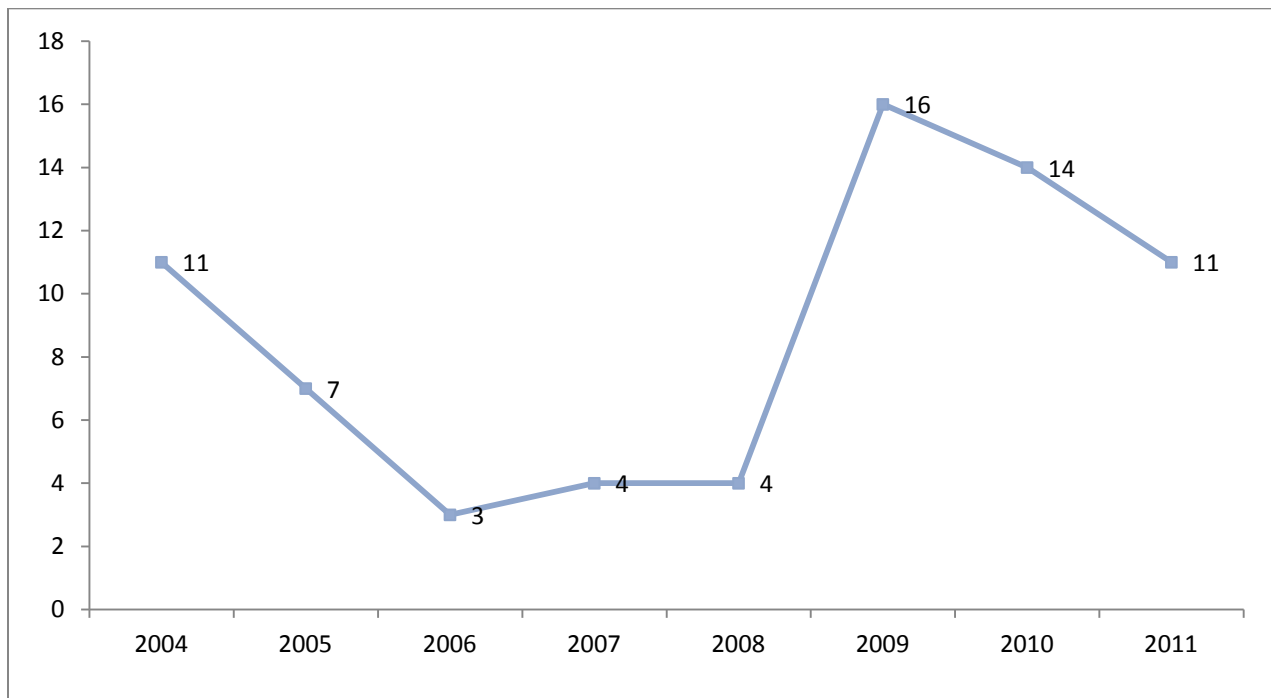


David O.  
McKay  
School  
of Education

# Summary of Sponsored Research (Grants & Contracts)

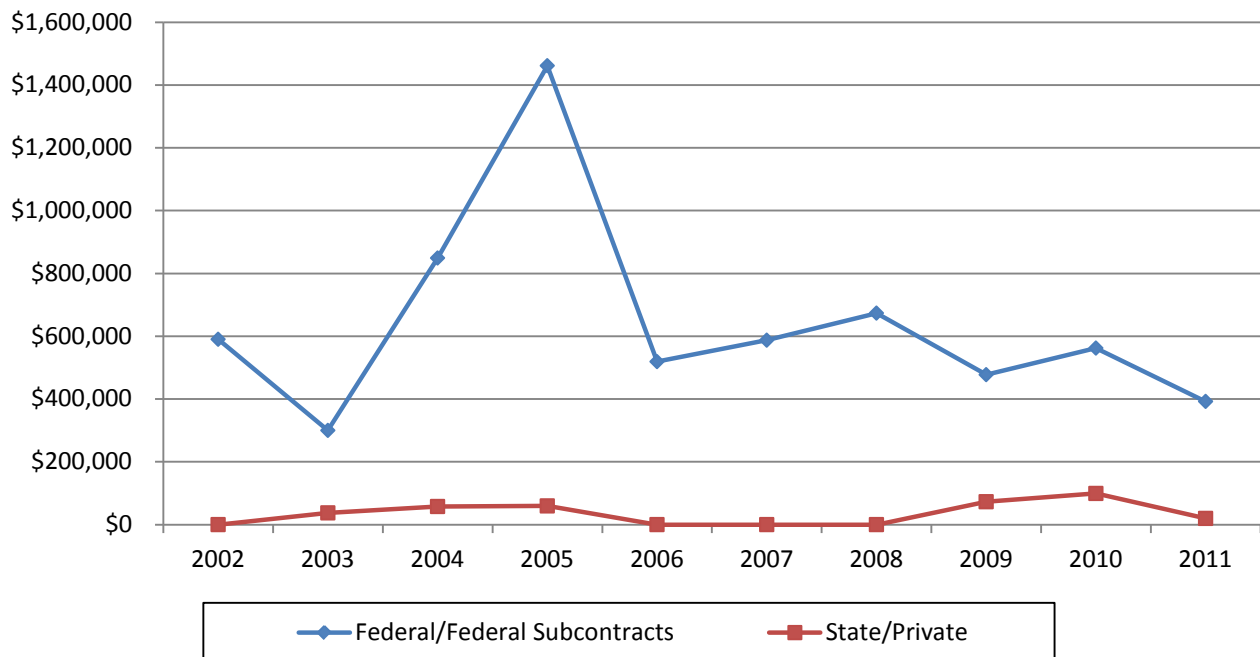
Department	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
CITES	2	3	3	\$102,950
Communication Disorders	0	0	0	\$0
Counseling Psych & Special Ed.	0	0	1	\$10,015
Ed. Leadership & Foundations	0	0	0	\$0
Instructional Psych. & Tech.	3	4	0	\$0
Teacher Education	7	4	1	\$299,035
<b>TOTALS</b>	12	11	5	\$412,000

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2002	\$590,209	\$0	\$590,209
2003	\$300,000	\$37,330	\$337,330
2004	\$848,955	\$57,614	\$906,569
2005	\$1,461,367	\$59,510	\$1,520,877
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



# David O. McKay School of Education 2011 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Start Date</u>	<u>End Date</u>	<u>Amount</u>	<u>Type</u>
<b><i>Center for Improvement of Teacher Education &amp; Schooling</i></b>							
Caldarella, Paul		Utah State University (DOJ)	Prevention Plus 2011	10/1/2010	9/30/2011	\$36,000	2
Flox, Cally		Art Works for Kids	Art Works for Kids	7/1/2011	6/30/2012	\$19,700	4
Flox, Cally	w/Jones, Stephen	U of U (DoED)	Multi-University Support the Preparation & Training of Arts	7/1/2011	6/30/2012	\$47,250	2
<b><i>Counseling, Psych &amp; Special Education</i></b>							
Prater, Mary Anne		Utah Special Ed (DoED)	CSPD Attrition Grant	7/1/2005	6/30/2011	\$10,015	2
<b><i>Teacher Education</i></b>							
Pinnegar, Stefinee		Dept of Education	BYU/ESL Endorsement through Distance Education (BEEDE)	7/1/2007	6/30/2012	\$299,035	1

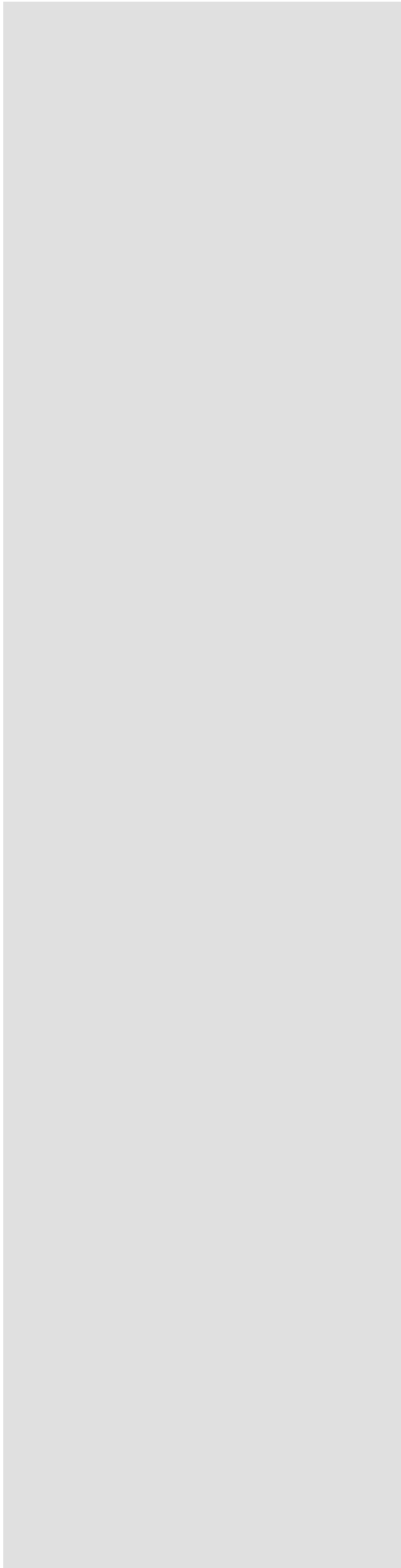
Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private

Department Totals	
Communication Disorders	\$0
Center for Improvement of Teacher Education and Schooling (CITIES)	\$102,950
Continuing Education	\$0
Counseling Psychology & Special Education	\$10,015
Educational Leadership & Foundations	\$0
Instructional Psychology & Technology	\$0
Teacher Education	\$299,035
<b><i>College Total:</i></b>	<b>\$412,000</b>

# Education

## Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>Number Awarded</b>	<b>Total Amount</b>
<b>Federal</b>		
US Dept of Education	1	\$299,035
<i>Total</i>	1	\$299,035
<b>Subcontracts</b>		
Utah State University (DOJ)	1	\$36,000
U of U (DoED)	1	\$47,250
Utah Special Ed (DoED)	1	\$10,015
<i>Total</i>	2	\$93,265
<b>State</b>		
<i>Total</i>	0	\$0
<b>Private</b>		
Art Works for Kids	1	\$19,700
<i>Total</i>	1	\$19,700
<b>Grand Total</b>	5	\$412,000

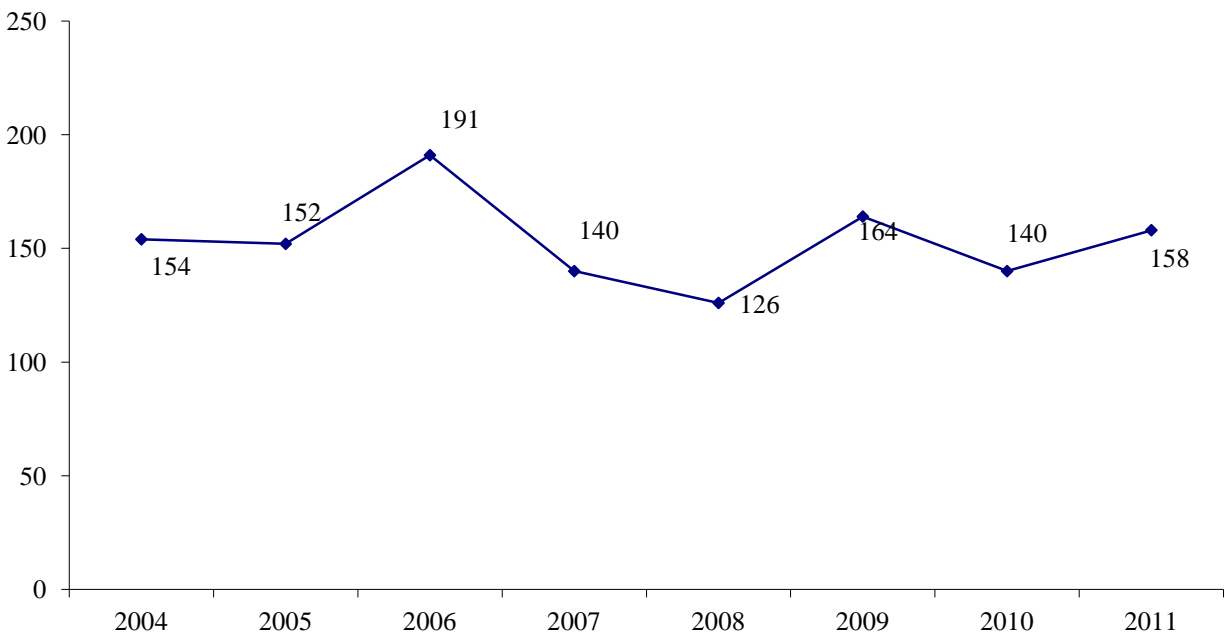


# Fulton College of Engineering & Technology

# Summary of Sponsored Research (Grants & Contracts)

Department	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Chemical Engineering	15	26	13	\$1,733,731
Civil & Environmental Engineering	14	25	19	\$4,086,092
Electrical & Computer Engineering	19	46	31	\$2,664,225
Mechanical Engineering	26	56	42	\$3,544,266
School of Technology	4	5	4	\$324,616
<b>TOTALS</b>	<b>78</b>	<b>158</b>	<b>109</b>	<b>\$12,332,930</b>

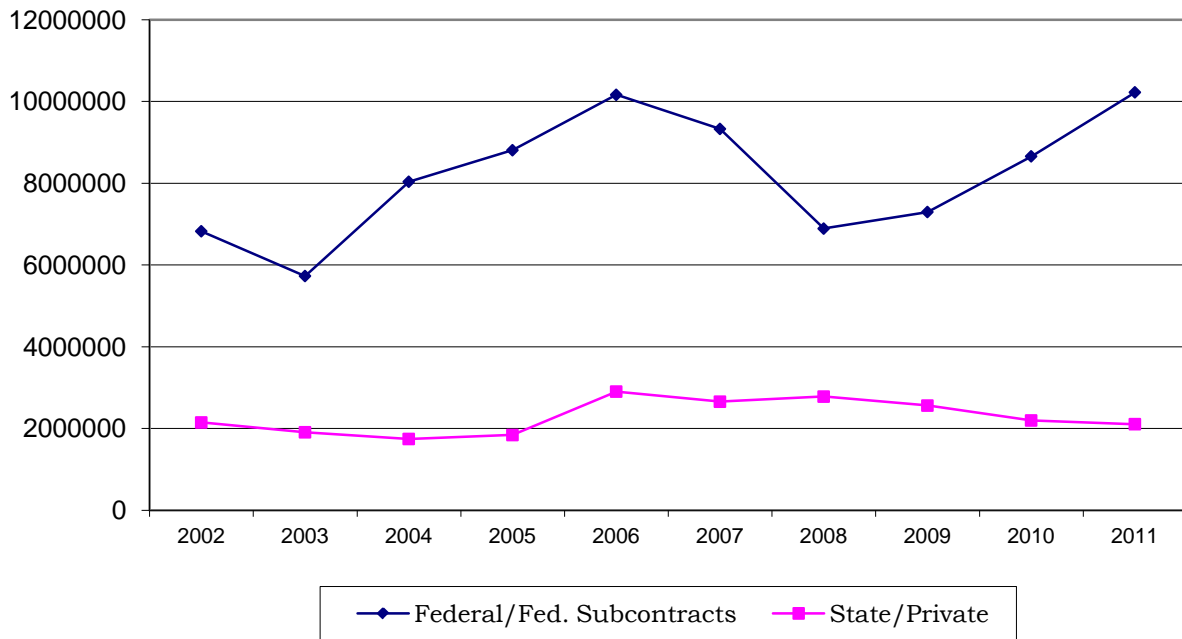
## Proposal Submission Activity





# External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2002	\$6,826,798	\$2,149,658	\$8,976,456
2003	\$5,731,605	\$1,909,861	\$7,641,466
2004	\$8,037,592	\$1,745,891	\$9,783,483
2005	\$8,809,076	\$1,842,299	\$10,651,375
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



# College of Engineering & Technology 2011 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>
<b>Civil &amp; Environmental Engineering</b>								
Benzley, Steven		Sandia National Lab (DOE)	All Hexahedral Finite Element Mesh Generation	9/29/2011	9/30/2012	R0302409	\$50,000	2
Borup, Brett	w/ Williams, Gus	US BOR	Sediment Delta and Water Quality Interactions	10/1/2009	9/30/2014	R0202282	\$6,000	1
Bundy, Brad		NSF	EAGER: Biocatalyst Orientation Control During Immobilization	6/1/2011	5/31/2012	R0112186	\$70,571	1
Fonseca, Fernando		NCMA Foundation	High Replacement of Portland Cement in Masonry Construction	4/12/2011	3/31/2012	R0502131	\$19,250	4
Guthrie, Spencer		Tensar International Corp	Evaluation of Geogrid-Reinforced Base Materials	10/1/2011	9/1/2011	R0602367	\$6,000	4
Guthrie, Spencer		USDOT/Fed Highway	Eisenhower Graduate Fellowship - Sharlan Montgomery	9/1/2011	8/31/2012	R0202340	\$5,000	1
Guthrie, Spencer		UDOT	Mechanistic Characterization of Aggregate Base Materials	10/1/2011	4/1/2016	R0402195	\$75,000	3
Guthrie, Spencer		Expanded Shale, Clay, and Slate Institute	Long-Term Monitoring of Lightweight and Conventional Concrete Bridge Decks in Utah: Field and Laboratory Testing	10/15/2011	12/31/2014	R0602371	\$15,000	4
Guthrie, Spencer		US DOT(via USU)	Concrete Bridge Deck Evaluation for the Long-Term Performance	5/1/2009	4/28/2012	R0302310	\$63,000	2
Hecker, William		Ceramatec (Fischer Tropsch)	Fischer Tropsch Research Consortium	11/1/2010	10/31/2011	R0602216	\$22,500	4
Hotchkiss, Rollin		UDOT	Culvert Roughness Elements for Native Utah Fish Passage, Phase II	3/1/2011	3/1/2012	R0402181	\$13,367	3
Hotchkiss, Rollin		CUWCD	Stream to Lake Ecotone for a Changing Hobbie Creek	4/18/2011	4/30/2012	R0402160	\$11,181	3
Hotchkiss, Rollin	w/ Belk, Mark	CUWCD	Characterization of mouth shape phenotype in June Sucker	4/26/2010	6/30/2012	R0402164	\$10,216	3
Hotchkiss, Rollin	w/ Williams, Gus	US BOR	Sediment Delta and Water Quality Interactions	10/1/2009	9/30/2014	R0202282	\$6,000	1
Jones, Norm		NSF	Collaborative Research: CI-Water, Cyberinfrastructure to Advance High Performance Water Resource Modeling	9/1/2011	8/31/2014	R0112199	\$1,145,291	1
Miller, Wood	w/ Williams, Gus	US BOR	Sediment Delta and Water Quality Interactions	10/1/2009	9/30/2014	R0202282	\$6,000	1
Nelson, James	w/ Jones, Norm	NSF	Collaborative Research: CI-Water, Cyberinfrastructure to Advance High Performance Water Resource Modeling	9/1/2011	8/31/2014	R0112199	\$1,145,291	1
Nelson, Jim	w/ Williams, Gus	US BOR	Sediment Delta and Water Quality Interactions	10/1/2009	9/30/2014	R0202282	\$6,000	1
Pitt, William		Bausch & Lomb	Lipid Adsorption on Contact Lenses	9/15/2011	6/30/2012	R0602368	\$50,000	4
Rollins, Kyle		UDOT	Lateral Pile Resistance Near MSE Walls	7/1/2009	2/28/2012	R0402155	\$4,884	3
Saitu, Mitsuru		UDOT	Evaluating the Feasibility of Incorporating Mobility-Related Work Zone Traffic Control Performance Measures in Highway Reconstruction Contracts	10/1/2010	9/1/2013	R0402192	\$60,000	3
Schultz, Grant		UDOT	Evaluating the Safety Effects of Signal Improvements	10/1/2010	9/1/2013	R0402193	\$60,000	3
Schultz, Grant		UDOT	Traffic & Safety Statewide	12/1/2011	6/30/2012	R0402194	\$35,000	3

			Model and GIS Modeling					
Williams, Gus		Hampton U (DOE)	Global Atmospheric Profiling Techniques	7/1/2010	5/31/2012	R0302355	\$49,250	2
Williams, Gus		US BOR	Sediment Delta and Water Quality Interactions	10/1/2009	9/30/2014	R0202282	\$6,000	1
Williams, Gus	w/ Jones, Norm	NSF	Collaborative Research: CI-Water, Cyberinfrastructure to Advance High Performance Water Resource Modeling	9/1/2011	8/31/2014	R0112199	\$1,145,291	1

### **Chemical Engineering**

Argyle, Morris		U of WY (Dept of Interior)	Low Cost Route to Commercial Iron-Based Fischer-Tropsch Catalysts for Coal-to Liquids and Biomass-to Liquids	1/1/2011	12/31/2013	R0302384	\$46,914	2
Bartholomew, Cal	w/Hecker, William	Ceramatec (Fischer Tropsch)	Fischer Tropsch Research Consortium	11/1/2010	10/31/2011	R0602216	\$22,500	4
Bartholomew, Cal	w/Argyle, Morris	U of WY (Dept of Interior)	Low Cost Route to Commercial Iron-Based Fischer-Tropsch Catalysts for Coal-to Liquids and Biomass-to Liquids	1/1/2011	12/31/2013	R0302384	\$46,914	2
Baxter, Larry		Sustainable Energy Solutions	Cryogenic CO2 Capture Research	4/5/2009	12/31/2012	R0602280	\$30,000	4
Fletcher, Tom		General Electric	Deposition of Ash from Heavy Fuel Oil	2/20/2011	12/31/2011	R0602357	\$60,042	4
Fletcher, Tom		UofU (DOE-NETL)	CASE from Coal	5/15/2011	5/14/2012	R0302264	\$120,000	2
Fletcher, Tom		UofU (DOE)	CASE from Unconventional Fuels	4/27/2011	3/31/2013	R0302392	\$61,000	2
Fletcher, Tom		USDA Forest Service	Deriving and Validating Shrub Fuel Loads for 3-D Fire Behavior Modeling Using Terrestrial Laser Scanning	9/8/2011	8/30/2014	R0202346	\$181,331	1
Fletcher, Tom		USDA Forest Service	Determination of Effects of Heating Mechanisms on Ignition of Live Fuels	8/31/2011	8/30/2014	R0202347	\$219,354	1
Fletcher, Tom		NSF	A Fundamental Investigation of Fire Initiation and Fire Behavior in Sparse Vegetation	10/1/2009	9/30/2012	R0112147	\$98,648	1
Hecker, Bill	w/Argyle, Morris	U of WY (Dept of Interior)	Low Cost Route to Commercial Iron-Based Fischer-Tropsch Catalysts for Coal-to Liquids and Biomass-to Liquids	1/1/2011	12/31/2013	R0302384	\$46,913	2
Knotts, Thomas		NSF	Modeling and Prediction of Protein and Protein/Ligand Behavior on Surfaces	3/1/2011	2/29/2012	R0112182	\$81,380	1
Knotts, Thomas		DARPA	Predicting Protein Behavior on Surfaces for Improved Design of Protein Arrays	6/15/2010	6/14/2012	R0202307	\$105,394	1
Lewis, Randy	w/ Jones, Matt	EPA	Power Harvesting System for More Efficient, Cleaner Burning Cookstoves	8/15/2011	8/14/2012	R0202344	\$7,500	1
Lewis, Randy		Oklahoma State University (DOT)	Critical Analysis of Syngas Fermentation Reactor of Biological Alcohol Production	7/1/2007	11/30/2012	R0302234	\$51,000	2
Lignell, David		Sandia National Lab (DOE)	Statistics of Particle Time Histories in Turbulent Reacting Flows	4/21/2011	9/30/2011	R0302387	\$69,841	2
Pitt, William		CIBA	Enhancing DMPC Transport in Extended Wear Lenses	10/1/2010	12/31/2011	R0602281	\$55,000	4
Wilding, Vince	w/ Rowley, Richard (emeritus faculty)	DIPPR	Evaluated Process Design Data	8/1/1997	12/31/2012	R0601001	\$430,000	4

### **Electrical & Computer Engineering**

Bangerter, Neal		Stanford (NIH)	MRI for Early Detection of Osteoarthritis	6/1/2010	3/31/2012	R0302341	\$114,770	2
-----------------	--	----------------	---	----------	-----------	----------	-----------	---

Beard, Randy	w/Warnick, Karl	ImSAR (Air Force)	Non-GPS Dependent Method for Accurate UAS Navigation and Orientation Determination	1/20/2011	8/1/2011	R0302382	\$16,500	2
Beard, Randy		Procerus (AFOSR)	Aerial Recovery of Micro Air Vehicles	11/15/2008	4/30/2012	R0302275	\$75,970	2
Beard, Randy		Mosaic (DOD)	Persistent Tactical Seeability Through Integrated Sensor Guidance	10/16/2009	7/21/2012	R0302315	\$24,085	2
Beard, Randy		Utopia Compression	Passive Collision Detection for UAV Sense and Avoid Systems	12/15/2011	12/31/2012	R0302421	\$30,000	2
Colton, Mark	w/ Beard, Randy	Procerus (AFOSR)	Aerial Recovery of Micro Air Vehicles	11/15/2008	4/30/2012	R0302275	\$75,970	2
Hawkins, Aaron		NSF	Slow Light and Quantum Memory Devices in Atonic Spectroscopy Chips	5/15/2011	4/30/2014	R0112188	\$179,997	1
Hutchings, Brad	w/ Nelson, Brent	NSF	BYU Site for CHREC I/UCRC Center	2/1/2008	1/31/2012	R0112115	\$8,750	1
Jeffs, Brian		NSF	Collaborative Research: Development of a Millimeter-wave Phased Focal Plane Array	7/1/2011	6/30/2012	R0112190	\$66,211	1
Jensen, Michael	w/ Rice, Michael	U.S. Army	Multipath Modeling and Mitigation Using Multiple Antennas	4/15/2009	1/22/2012	R0202268	\$48,795	1
Jensen, Michael A.		ARO(UC Davis)	ARSENAL: A cross layer architecture for secure resilient networks	12/1/2010	11/30/2011	R0302227	\$90,000	2
Long, David		NASA	Winds, Backscatter and Brightness Temperature Climate Records	7/22/2010	7/21/2014	R0162010	\$148,267	1
Long, David		USU (NRL)	Synthetic Aperture Radar Research	9/1/2011	8/31/2012	R0302406	\$20,000	2
Long, David		University of Colorado (NASA)	BYU microASAR contributions to "Investigations of Spatial and Temporal Variability of Ocean and Ice Conditions in and Near the Marginal Ice Zone"	9/1/2011	8/31/2013	R0302411	\$176,055	2
Long, David		U of U (NASA)	Rocky Mountain Space Grant Consortium Student Fellowships	5/6/2011	5/5/2012	R0302349	\$63,750	2
Long, David		JPL (NASA)	JPL/BYU Graduate Student Fellowship	1/1/2012	12/31/2012	R0302420	\$30,600	2
McLain, Tim	w/ Beard, Randy	Procerus (AFOSR)	Aerial Recovery of Micro Air Vehicles	11/15/2008	4/30/2012	R0302275	\$75,970	2
Nelson, Brent		Sandia National Lab (DOE)	Printed Circuit Board Design Language	4/21/2011	9/30/2012	R0302388	\$89,160	2
Nelson, Brent		NSF	BYU Site for CHREC I/UCRC Center	2/1/2008	1/31/2012	R0112115	\$8,750	1
Nelson, Brent		Lockheed Martin	CHREC Membership Renewal	4/23/2011	4/23/2012	R0602229	\$17,500	4
Nelson, Brent		NSF I/UCRC	Supplement to NSF	1/31/2012	1/31/2013	R0112115	\$17,500	1
Nelson, Brent		NSF	BYU Site for CHREC I/UCRC Center	1/31/2009	1/31/2013	R0112109	\$35,000	1
Penry, David		NSF	CAREER: Compiler-Inserted Runtime Adaption for Multicore Processors	7/15/2011	6/30/2016	R0112192	\$450,000	1
Rice, Michael	w/ Nelson, Brent	NSF	BYU Site for CHREC I/UCRC Center	2/1/2008	1/31/2012	R0112115	\$8,750	1
Rice, Michael		U.S. Army	Multipath Modeling and Mitigation Using Multiple Antennas	4/15/2009	1/22/2012	R0202268	\$48,795	1
Schultz, Stephan		IPITEK (US Army)	Advanced Polymer Optical Sensors	5/9/2008	11/24/2011	R0302253	\$25,000	2
Schultz, Stephen		IPITEK	Advanced Polymer Optical Sensors	5/9/2008	3/31/2011	R0302253	\$25,750	2
Schultz, Stephen		IPITEK	Advanced Polymer Optical Sensors	5/9/2008	6/1/2011	R0302253	\$37,000	2
Schultz, Stephen		IPITEK (US Army)	Advanced Polymer Optical Sensors	5/9/2008	9/30/2011	R0302253	\$24,140	2

Schultz, Stephen	w/ Richard Selfridge	IPITEK (US Army)	Advance Polymer Optical Sensors	5/9/2008	3/31/2012	R0302253	\$14,392	3
Selfridge, Richard	w/Schultz, Stephen	IPITEK	Advanced Polymer Optical Sensors	5/9/2008	3/31/2011	R0302253	\$25,750	2
Selfridge, Richard	w/ Schultz, Stephen	IPITEK	Advanced Polymer Optical Sensors	5/9/2008	6/1/2011	R0302253	\$37,000	2
Selfridge, Richard	w/ Schultz, Stephen	IPITEK (US Army)	Advanced Polymer Optical Sensors	5/9/2008	9/30/2011	R0302253	\$24,140	2
Selfridge, Richard		IPITEK (US Army)	Advance Polymer Optical Sensors	5/9/2008	3/31/2012	R0302253	\$14,393	3
Warnick, Karl		Linear Signal Inc	Low Cost Electronically Steered Phased Arrays for Satellite Communications	5/1/2010	4/31/2012	R0602317	\$98,965	4
Warnick, Karl		ImSAR (Air Force)	Non-GPS Dependent Method for Accurate UAS Navigation and Orientation Determination	1/20/2011	8/1/2011	R0302382	\$16,500	2
Warnick, Karl		UT COE	Smart Satellite Antenna Feed	11/22/2010	12/31/2012	R0482024	\$40,000	3
Warnick, Karl	w/Jeffer, Brian	NSF	Collaborative Research: Development of a Millimeter-wave Phased Focal Plane Array Fellowship for Taylor Webb: Ku Band Phased Array Feed	7/1/2011	6/30/2012	R0112190	\$66,210	1
Warnick, Karl		NASA	Development for Surface Water Ocean Topography Mission	9/1/2011	8/31/2012	R0162013	\$58,700	1
Warnick, Karl		Linear Signal Inc	Low Cost Electronically Steered Phased Arrays for Satellite Communications	5/1/2010	4/30/2012	R0602317	\$75,000	4
Wirthlin, Mike		Sandia National Lab	Non volatile memory analysis	9/1/2007	9/30/2011	R0202231	\$42,918	1
Wirthlin, Mike	w/ Nelson, Brent	NSF	BYU Site for CHREC I/UCRC Center	2/1/2008	1/31/2012	R0112115	\$8,750	1
Wirthlin, Mike		Sandia National Lab	Investigate Partial Reconfiguration Design Flow for Complex I/O	9/1/2007	9/30/2012	R0202231	\$53,472	2
Wirthlin, Mike	w/ Nelson, Brent	Lockheed Martin	CHREC Membership Renewal	4/23/2011	4/23/2012	R0602229	\$17,500	4
Wirthlin, Mike	w/ Nelson, Brent	NSF I/UCRC	Supplement to NSF	1/31/2012	1/31/2013	R0112115	\$17,500	1

**Mechanical Engineering**

Adams, Brent L.		ARO	HROIM	8/1/2008	7/31/2011	R0202249	\$53,906	1
Adams, Brent L.	w/Fullwood, David	NSF	REU Supplement for GOALI: Defect Detection Microscopy: Microstructure Design for Formability of Wrought Magnesium Alloys	8/15/2009	7/31/2012	R0112144	\$2,000	1
Beard, Randy		MLB (Air Force)	Long Endurance VTOL Tail Sitter UAV Further Development	10/1/2011	9/30/2012	R0302404	\$45,000	2
Beard, Randy		Scientific Systems Co., Inc.	Implementation and Testing of Veracity Evaluation of Non-Redundant Information in Flight Systems	12/16/2011	11/20/2013	R0302423	\$104,763	2
Blotter, Jon	w/ Maynes, Dan	CCI	High Speed Interacting Air Jets: Noise and Flow Characterization	5/27/2010	1/31/2012	R0602323	\$6,000	4
Blotter, Jon	w/Sommerfeldt, Scott	NSF	A New Minimization Quantity for Global Active Structural/Acoustic Control	10/1/2011	9/30/2014	R0112196	\$114,015	1
Bowden, Anton		UT COE	Decompressive FlexSuRe Spinal Implant	11/22/2010	12/31/2012	R0482023	\$20,000	3
Bowden, Anton		UT COE	Decompressive FlexSuRe Spinal Implant	11/22/2010	11/22/2011	R0482023	\$20,000	3
Colton, Mark	w/ Thomson, Scott	AFOSR	Experimental and Computational Analysis of Intermittent Flapping Flight	7/1/2010	6/30/2012	R0202308	\$34,846	1
Fullwood, David	w/Adams, Brent L.	ARO	HROIM	8/1/2008	7/31/2011	R0202249	\$53,905	1

Fullwood, David		NSF	REU Supplement for GOALI: Defect Detection Microscopy: Microstructure Design for Formability of Wrought Magnesium Alloys	8/15/2009	7/31/2012	R0112144	\$2,000	1
Gorrell, Steve		ISSI (Air Force)	Effect of PDE unsteady flow and partial admission on turbine performance	10/31/2011	12/31/2012	R0302414	\$51,660	2
Homer, Eric		Sandia National Lab (DOE)	Validation and application of the hybrid Potts: phase field model for microstructural/chemical evolution of materials	10/19/2011	9/21/2012	R0302412	\$41,000	2
Howell, Larry	w/Jensen, Brian	NanoInjection Tech	Advancement in NanoInjection Tech IV	2/1/2011	8/30/2011	R0602306	\$44,222	4
Howell, Larry	w/Bowden, Anton	UT COE	Decompressive FlexSuRe Spinal Implant	11/22/2010	12/31/2012	R0482023	\$20,000	3
Howell, Larry	w/Bowden, Anton	UT COE	Decompressive FlexSuRe Spinal Implant	11/22/2010	11/22/2011	R0482023	\$20,000	3
Howell, Larry	w/Jensen, Brian	NanoInjection Tech	Cytoplasm-toPronucleus and YAC Nanoinjection	2/1/2010	8/30/2012	R0602306	\$16,650	4
Jensen, Brian		NanoInjection Tech	Advancement in NanoInjection Tech IV	2/1/2011	8/30/2011	R0602306	\$44,223	4
Jensen, Brian		NSF	CAREER: Microsystem Arrays for Electro-assisted Transport of DNA, Proteins, and Membranes	5/1/2011	4/30/2016	R0112185	\$400,000	1
Jensen, Brian		NanoInjection Tech	Cytoplasm-toPronucleus and YAC Nanoinjection	2/1/2010	8/30/2012	R0602306	\$16,650	4
Jensen, Brian		NSF	Graduate Fellowship Award	9/1/2011	8/31/2012	R0112197	\$40,500	1
Jensen, Greg		Pratt & Whitney	Composite Optimization & Design System #46	2/7/2011	12/31/2011	R0602345	\$89,355	4
Jensen, Greg		Boeing Company	Boeing (NSF:V-CAx; membership fees)	1/21/2011	1/20/2013	R0602344	\$30,000	4
Jensen, Greg		Belcan Engineering	Cax Membership Agreement	6/1/2011	5/31/2012	R0602347	\$30,000	4
Jensen, Greg		NSF	v-Cax IUCRC Center for e-Design	2/15/2011	1/31/2012	R0112181	\$4,000	1
Jensen, Greg		NSF	BYU v-Cax Research Site for Center for e-Design I/UCRC	2/15/2011	1/31/2012	R0112181	\$13,750	1
Jensen, Greg		Microsoft	v-Cax IUCRC Center for e-Design	4/15/2011	4/15/2012	R0602356	\$30,000	4
Jensen, Greg		Boeing (IUCRC)	Collaborative Multi-User CAD Case Study	9/30/2011	4/30/2012	R0602365	\$40,000	4
Jensen, Greg		Howmet (Air Force)	Improved Aerospace Casting Process Through Process Modeling Enhancements Rapid Model Assembly and Meshing Subcontract Statement of Work	7/6/2011	7/5/2013	R0302416	\$3,455	2
Jones, Matt		EPA	Power Harvesting System for More Efficient, Cleaner Burning Cookstoves	8/15/2011	8/14/2012	R0202344	\$7,500	1
Mattson, Chris	w/Thomson, Scott	AFOSR	Experimental and Computational Analysis of Intermittent Flapping Flight	7/1/2010	6/30/2012	R0202308	\$34,846	1
Mattson, Chris		AFOSR	University Engineering Design Challenge	9/29/2011	9/30/2012	R0202353	\$10,000	1
Mattson, Chris		NSF	Career: Design Strategies to Benefit from the Profit-by-Poverty-Alleviation Paradox	1/15/2010	12/31/2014	R0112156	\$12,000	1
Maynes, Dan	w/Truscott, Tadd	NSF	MRI Development of a Miulti-camera Synthetic Aperture Technique for Measuring High-Speed, Unsteady 3-D Velocity Flow Fields	9/1/2011	8/31/2014	R0112193	\$102,500	1
Maynes, Dan		Union Pacific	Wind Tunnel Testing of Potential Coal Car Cover Designs	5/20/2011	9/20/2011	R0602364	\$17,048	4
Maynes, Dan		Concepts ETI, Inc CETI	Extremely High Suction Performance Inducers for	9/7/2011	9/1/2012	R0302407	\$91,333	2

		(NASA)	Space Propulsion					
Maynes, Dan		CCI	High Speed Interacting Air Jets: Noise and Flow Characterization	5/27/2010	1/31/2012	R0602323	\$6,000	4
Maynes, Daniel		CCI	Flow Induced Vibrations in Pipe Systems	12/31/2008	4/30/2011	R0602206	\$3,900	4
Maynes, Daniel		NSF	Turbulent Flow Drag Reduction Using Surfaces Exhibiting Superhydrophobicity and Riblets	6/1/2011	5/31/2014	R0112189	\$120,000	1
McLain, Tim		Scientific Systems Co, Inc	Integrity Management for Mixed Critical Unmanned Air Vehicle Systems	2/1/2011	1/31/2012	R0602342	\$19,260	4
McLain, Tim	w/ Beard, Randy	Mosaic (DOD)	Persistent Tactical Seeability Through Integrated Sensor Guidance	10/16/2009	7/21/2012	R0302315	\$24,085	2
McLain, Tim	w/Beard, Randy	MLB (Air Force)	Long Endurance VTOL Tail Sitter UAV	10/1/2011	9/30/2012	R0302404	\$45,000	2
McLain, Tim	w/ Mattson, Chris	AFOSR	University Engineering Design Challenge	9/29/2011	9/30/2012	R0202353	\$10,000	1
McLain, Tim	w/ Beard, Randy	Scientific Systems Co., Inc.	Further Development Implementation and Testing of Veracity Evaluation of Non-Redundant Information in Flight Systems	12/16/2011	11/20/2013	R0302423	\$104,672	2
Nelson, Tracy		NSF	An International Collaboration Between BYU and Tohoku University, Japan	7/15/2011	6/30/2012	R0112198	\$49,950	1
Nelson, Tracy		So Dakota (NSF)	IUCRC Center for Friction Stir Processing	9/1/2010	8/14/2014	R0302415	\$51,278	2
Nelson, Tracy		SKB Sweden	Center for Friction Stir Processing Membership	10/31/2011	10/31/2012	R0602189	\$35,000	4
Red, Ed	w/Jensen, Greg	NSF	BYU v-Cax Research Site for Center for e-Design I/UCRC	2/15/2011	1/31/2012	R0112181	\$13,750	1
Red, Ed	w/Jensen, Greg	NSF	v-Cax IUCRC Center for e-Design	2/15/2011	1/31/2012	R0112181	\$4,000	1
Red, Ed	w/ Jensen, Greg	Boeing (IUCRC)	Collaborative Multi-User CAD Case Study	9/30/2011	4/30/2012	R0602365	\$40,000	4
Solen, Ken	w/ Truscott, Tadd	NSF	MRI Development of a Miulti-camera Synthethic Aperture Technique for Measuring High-Speed, Unsteady 3-D Velocity Flow Fields	9/1/2011	8/31/2014	R0112193	\$102,500	1
Sorensen, Carl	w/ Nelson, Tracy	So Dakota (NSF)	IUCRC Center for Friction Stir Processing	9/1/2010	8/14/2014	R0302415	\$51,277	2
Thompson, Scott	w/ Truscott, Tadd	NSF	MRI Development of a Miulti-camera Synthethic Aperture Technique for Measuring High-Speed, Unsteady 3-D Velocity Flow Fields	9/1/2011	8/31/2014	R0112193	\$102,500	1
Thomson, Scott		NIH	Influence of Subglottic Anatomy on Voice Production	7/1/2009	6/30/2012	R0102031	\$168,182	1
Thomson, Scott		AFOSR	Experimental and Computational Analysis of Intermittent Flapping Flight	7/1/2010	6/30/2012	R0202308	\$34,846	1
Thomson, Scott		McGill University (NIH)	Design, construction, and evaluation of vocal folds implants for partial or total laryngectomy reconstruction	9/1/2011	8/31/2012	R0302278	\$65,666	2
Tree, Dale		Air Liquide	Measurements of Flame Stability	5/1/2009	5/1/2013	R0602288	\$117,493	4
Tree, Dale		General Electric	Characterization of Heavy Fuel Oil Particles Produced in a Burner	2/20/2011	12/31/2011	R0602333	\$40,000	4
Tree, Dale		General Electric	HFO Ash Deposition Experiment	9/15/2010	12/31/2011	R0602333	\$9,600	4
Tree, Dale		General Electric	Heavy Fuel Oil Ash Formation and Characterization	2/20/2011	12/31/2011	R0602333	\$5,000	4

Truscott, Tad	w/Thomson, Scott	NIH	Influence of Subglottic Anatomy on Voice Production	7/1/2009	6/30/2012	R0102031	\$168,181	
Truscott, Tadd		NSF	MRI Development of a Multi-camera Synthetic Aperture Technique for Measuring High-Speed, Unsteady 3-D Velocity Flow Fields	9/1/2011	8/31/2014	R0112193	\$102,500	1
Truscott, Tadd		ONR	Forces and Cavity Shape Changes on the Water Entry/Exit of Projectiles due to Wetting Angle and Surface Roughness	6/30/2011	9/1/2012	R0202350	\$37,500	1
Vanderhoff, Julie	w/Maynes, Dan	NSF	Turbulent Flow Drag Reduction Using Surfaces Exhibiting Superhydrophobicity and Riblets	6/1/2011	5/31/2014	R0112189	\$119,999	1
Webb, Brent	w/Maynes, Dan	NSF	Turbulent Flow Drag Reduction Using Surfaces Exhibiting Superhydrophobicity and Riblets	6/1/2011	5/31/2014	R0112189	\$120,000	1
Nelson, Tracy		JFE Steel	Center for Friction Stir Processing: an NSF IUCRC	1/1/2011	12/31/2014	R0602342	\$52,500	4
Sorensen, Carl	w/Nelson, Tracy	JFE Steel	Center for Friction Stir Processing: an NSF IUCRC	1/1/2011	12/31/2014	R0602342	\$52,500	4

**School of Technology**

Miles, Michael		PNNL (DOE)	Tool Life and Joint Performance for Friction Stir Spot Welding of Ultra High-strength Steel Using Reduced Vertical Welding Loads	7/29/2011	7/29/2012	R0302400	\$37,616	2
Miles, Michael		NSF	High Speed Friction Spot Welding: A New Approach	9/1/2011	8/31/2014	R0112194	\$260,000	1
Miles, Michael		U of Ulsan - So Korea	Solid State Spot Joining of Cast Iron and Aluminum	9/1/2011	4/30/2012	R0802027	\$20,000	4
Miles, Mike	w/Fullwood, David	NSF	REU Supplement for GOALI: Defect Detection Microscopy: Microstructure Design for Formability of Wrought Magnesium Alloys	8/15/2009	7/31/2012	R0112144	\$2,000	1
Strong, Brent		Hazard Protection Systems	Fire Suppression Efficacy Research	6/7/2010	3/31/2012	R0602324	\$5,000	4

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

Department Totals

Chemical Engineering	\$1,733,731
Civil & Environmental Engineering	\$4,086,092
Electrical & Computer Engineering	\$2,644,225
Mechanical Engineering	\$3,544,266
School of Technology	\$324,616

**College Total:**

\$12,332,930



# Engineering & Technology Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>No. Awarded</b>	<b>Amount</b>
<b>Federal Sponsors</b>		
AFOSR	2	\$124,538
ARO	1	\$107,811
DARPA	1	\$105,394
EPA	1	\$15,000
NASA	2	\$206,967
NIH	1	\$336,363
NSF	19	\$6,206,854
NSF I/UCRC	1	\$35,000
ONR	1	\$37,500
Sandia National Lab	1	\$42,918
US Army	1	\$97,590
US BOR	1	\$30,000
USDA Forest Service	2	\$400,685
USDOT/Fed Highway	1	\$5,000
<i>Total</i>	35	\$7,751,620

# Engineering & Technology

## Source Breakdown of Grants and Contracts

### Federal Subcontracts Sponsors

ARO (UC Davis)	1	\$90,000
Concepts ETI, Inc CETI (NASA)	1	\$91,333
Hampton U (DOE)	1	\$49,250
Howmet (Air Force)	1	\$3,455
ImSAR (Air Force)	1	\$33,000
IPITEK	2	\$125,500
IPITEK (US Army)	2	\$73,280
ISSI (Air Force)	1	\$51,660
JPL (NASA)	1	\$30,600
McGill U (NIH)	1	\$65,666
MLB (Air Force)	1	\$90,000
Mosaic (DOD)	1	\$48,170
Oklahoma State University (DOT)	1	\$51,000
PNNL (DOE)	1	\$37,616
Procerus (AFOSR)	1	\$227,910
Sandia National Lab (DOE)	5	\$303,473
Scientific Systems Co., Inc.	1	\$209,435
South Dakota (NSF)	1	\$102,555
Stanford (NIH)	1	\$114,770
UofU (NASA)	1	\$63,750
U of Wyoming (Dept of Interior)	1	\$140,741
U of Colorado (NASA)	1	\$176,055
UofU (DOE)	1	\$61,000
UofU (DOE-NETL)	1	\$120,000
US DOT (via USU)	1	\$63,000
USU (NRL)	1	\$20,000
Utopia Compression	1	\$30,000
<i>Total</i>	33	\$2,473,219

# Engineering & Technology

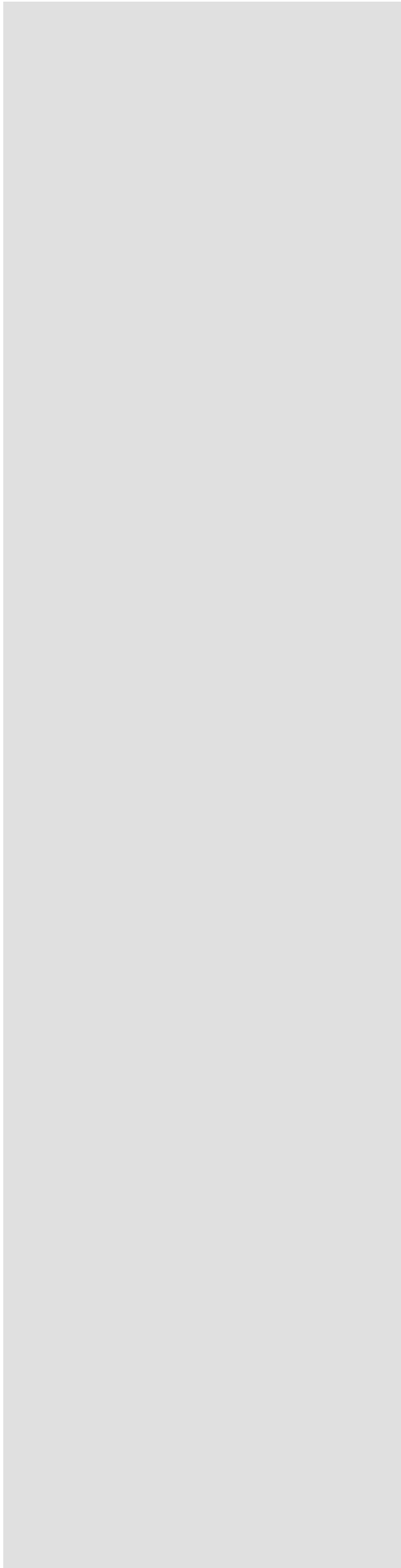
## Source Breakdown of Grants and Contracts

### State Sponsors

CUWCD	1	\$21,397
IPITEK (US Army)	1	\$28,785
UDOT	6	\$248,251
UT COE	3	\$120,000
<hr/>		
<i>Total</i>	11	\$418,433

### Private Sponsors

Air Liquide	1	\$117,493
Bausch & Lomb	1	\$50,000
Belcan Engineering	1	\$30,000
Boeing (IUCRC)	1	\$80,000
Boeing Company	1	\$30,000
CCI	2	\$15,900
Ceramatec (Fischer Tropsch)	1	\$45,000
CIBA	1	\$55,000
DIPPR	1	\$430,000
Expanded Shale, Clay and Slate Inst	1	\$15,000
General Electric	3	\$114,642
Hazard Protection Systems	1	\$5,000
JFE Steel	1	\$105,000
Linear Signal Inc	2	\$173,965
Lockheed Martin	1	\$35,000
Microsoft	1	\$30,000
NanoInjection Tech	2	\$121,745
NCMA Foundation	1	\$19,250
Pratt & Whitney	1	\$89,355
Scientific Systems Co, Inc	1	\$19,260
SKB Sweden	1	\$35,000
Sustainable Energy Solutions	1	\$30,000
Tensar International Corp	1	\$6,000
U of Ulsan – South Korea	1	\$20,000
Union Pacific	1	\$17,048
<hr/>		
<i>Total</i>	30	\$1,689,658

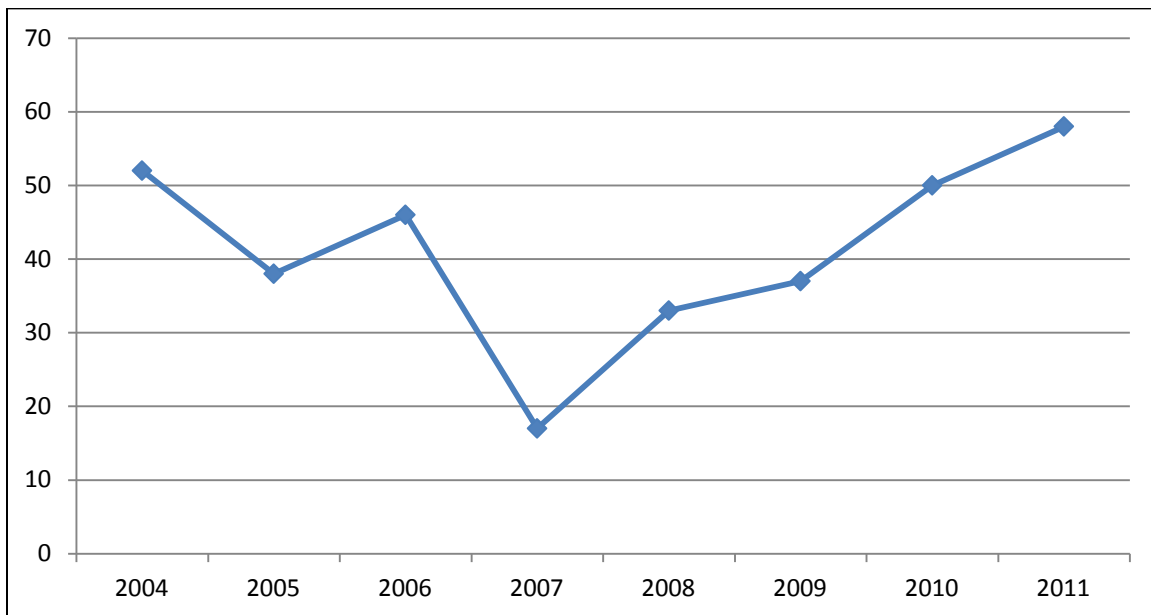


# College of Family, Home & Social Sciences

# Summary of Sponsored Research (Grants & Contracts)

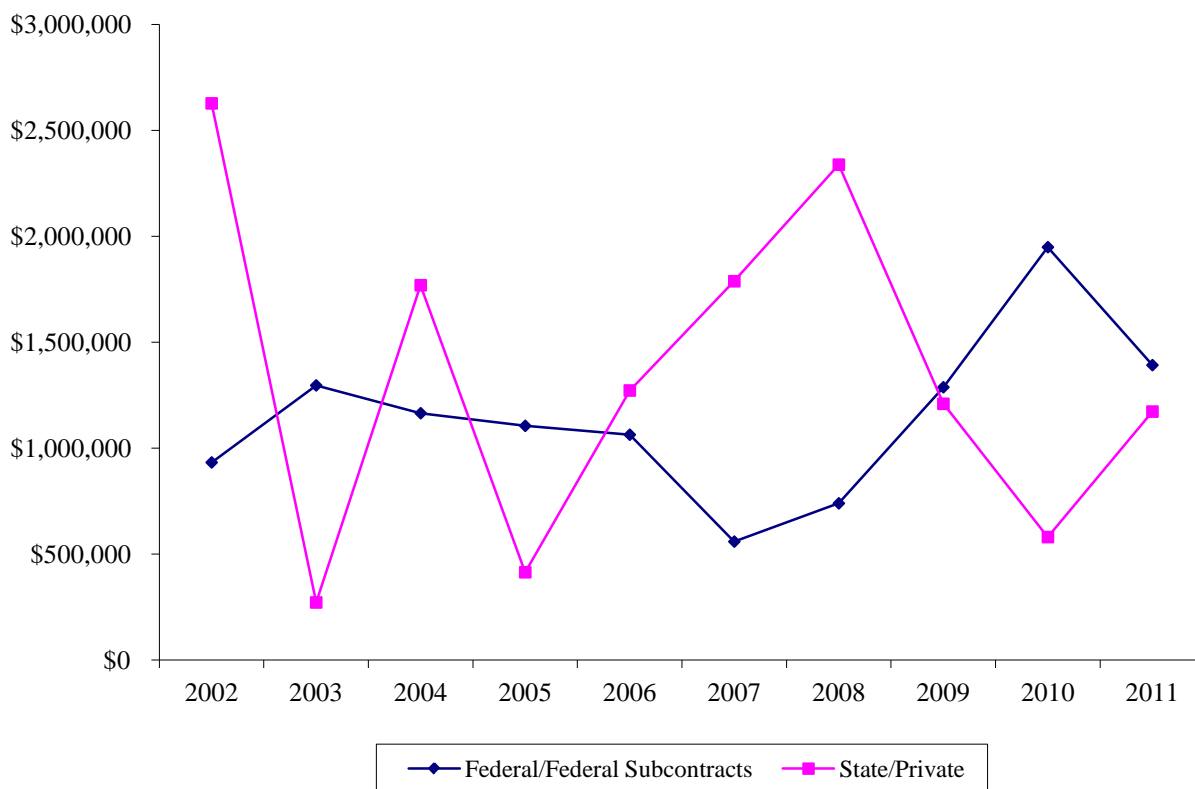
Department	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Anthropology	0	0	0	\$0
Center for Studies of the Family	0	0	0	\$0
Economics	2	8	5	\$398,841
Geography	1	3	1	\$59,201
History	0	0	0	\$0
Home and Family Living	0	0	0	\$0
Joseph Fielding Smith Institute	0	0	0	\$0
Marriage & Family Therapy	0	0	0	\$0
Marriage, Family & Human Development	0	0	0	\$0
Museum of Peoples & Cultures	0	0	0	\$0
Office of Public Archaeology	1	16	15	\$677,298
Political Science	10	10	12	\$1,126,644
Psychology	8	10	4	\$166,135
School of Family Life	4	4	4	\$40,551
Social Work	1	1	0	\$2,500
Sociology	4	6	4	\$93,352
<b>TOTALS</b>	<b>31</b>	<b>58</b>	<b>45</b>	<b>\$2,564,522</b>

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2002	\$932,566	\$2,627,620	\$3,560,186
2003	\$1,296,291	\$271,593	\$1,567,884
2004	\$1,164,878	\$1,769,103	\$2,933,981
2005	\$1,105,425	\$414,243	\$1,519,668
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



# Family, Home & Social Sciences 2011 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>
<b><i>Economics</i></b>								
Condie, Scott		INET	Knightsian Uncertainty, Informational Inefficiency, and Financial Markets	6/1/2011	5/31/2012	R0502139	\$108,980	4
Pope, Arden		Harvard U. (EPA)	Associations of Short-term Pollution Exposures with Childhood Autoimmune Diseases	7/1/2011	6/30/2012	R0302410	\$11,970	2
Pope, Jaren		Lincoln Inst. of Land Policy	Boom-Bust, Implications for Property versus Land Value Taxation	11/15/2010	12/31/2011	R0502150	\$4,250	4
Price, Joseph		Cornell University	Balancing the Tradeoffs of Different Nudges Designed to Increase Healthy Eating at School	6/1/2011	5/31/2012	R0302394	\$29,656	2
Price, Joseph		(USDA)	How Long Does it Take to Form a Habit? Using Nudges and Incentives to promote Long-run Consumption of Fruits and Vegetables	8/1/2011	9/30/2013	R0202342	\$243,985	1
Price, Joseph		USDA-ERS						
<b><i>Geography</i></b>								
Plewe, Brandon		CUNY (NSF)	Geographic Information Science & Technology BoK2: Foundational Research	10/1/2010	3/31/2013	R0302378	\$59,201	2
<b><i>Office of Public Archeology</i></b>								
Talbot, Richard		Utah Trust Lands	Archaeological Investigations at Jackson-Flat Reservoir	7/31/2009	7/31/2012	R0402151	\$500,000	3
Talbot, Richard		URS Corp	Kenilworth Cultural Report	1/11/2011	5/1/2011	R0602341	\$6,000	4
Talbot, Richard		LDS Church History	Archeological Inventory and Documentation at Mountain Meadows	9/13/2010	8/31/2011	R0702012	\$500	4
Talbot, Richard		Spanish Fork City	River Connection Trail Survey	1/10/2011	3/31/2011	R0492032	\$3,000	3
Talbot, Richard		Trees, Inc.	Red Butte to New Castle	1/31/2001	2/28/2011	R0602346	\$18,912	4
Talbot, Richard		Trees, Inc.	Red Butte to New Castle	1/31/2011	5/31/2011	R0602346	\$25,374	4
Talbot, Richard		Idaho Power	Cultural Resource Inventory for Line 432, Upper Salmon to Wells	4/29/2011	10/31/2011	R0602359	\$52,947	4
Talbot, Richard		URS Corp	Kennecott Air Quality Monitoring Station Survey	5/13/2011	8/1/2011	R0602360	\$3,500	4
Talbot, Richard		Fort Harmony Historical Society	Fort Harmony Excavations	5/19/2011	5/31/2012	R0502140	\$4,000	4
Talbot, Richard		Utah Humanites Council	Fort Harmony Excavations Public Outreach	5/1/2011	7/31/2011	R0302395	\$4,820	3
Talbot, Richard		Idaho Power	Cultural Resource Inventory for Line 229, Thousand Springs to Jabdidge, Maintenance	7/1/2011	12/31/2011	R0602361	\$27,696	4
Talbot, Richard		URS Corp	San Rafael Oral History	3/25/2011	12/1/2011	R0602354	\$8,160	4
Talbot, Richard		JBR Environmental Consultants, Inc.	Roan Cliffs Inventory	8/1/2011	10/31/2011	R0602363	\$8,700	4
Talbot, Richard		Fort Harmony Historical Society	Fort Harmony Excavations	5/25/2011	5/31/2012	R0502140	\$6,000	4
Talbot, Richard		URS Corp	Byron Howard Engineering: Deer Creek Canyon	9/1/2011	3/31/2012	R0602366	\$7,689	4
<b><i>Political Science</i></b>								
Findley, Michael		Griffiths University	Incorporation Services and Compliance to International Law	6/1/2010	12/31/2011	R0802023	\$2,500	3
Findley, Michael		Development Gateway	Geo-Coding with AfDB	1/25/2011	12/31/2011	R0502137	\$38,650	4
Hyer, Eric		Dept of Ed (thru U of U)	Intermountain Consortium for Asian and Pacific Studies: FLAS	8/15/2010	8/14/2011	R0302361	\$7,500	2
Hyer, Eric		U of U (DoED)	Intermountain Consortium for Asian & Pacific (IMCAPS) Diverse Perspectives	8/15/2010	8/14/2011	R0302360	\$58,187	2

Jacoby, Wade	Dept of Ed	FLAS BYU Center for the Study of Europe	8/15/2011	8/14/2012	R0132020	\$252,000	4
Jacoby, Wade	DoED	BYU Center for the Study of Europe	5/15/2011	8/14/2012	R0132019	\$142,005	1
Jacoby, Wade	DoED	FLAS BYU Center for the Study of Europe	8/15/2011	8/14/2012	R0132020	\$252,000	1
Monson, Quin	Kent State University (Spencer Foundation)	A Classroom-Based Experiment to Investigate the Linkages Between New Media, Civic Learning, and Civic Action Among Young People	9/1/2010	12/31/2013	R0802024	\$12,000	3
Nielson, Daniel	w/Findley Michael	Griffiths University	6/1/2010	12/31/2011	R0802023	\$2,500	3
Nielson, Daniel	Development Gateway	GFDRR Project Coding, Contract with the WB #7157043	10/27/2010	9/30/2011	R0502133	\$8,476	4
Nielson, Daniel	Development Gateway	GFDRR Project Coding, Contract with the WB #7157043	10/27/2010	9/30/2011	R0502133	\$8,476	4
Nielson, Daniel	Development Gateway	Geo-Coding, contract with WB #1325040	1/25/2011	12/31/2011	R0502136	\$55,850	4
Hyer, Eric	U of U (DoED)	Intermountain Consortium for Asian and Pacific Studies: FLAS	8/15/2011	8/14/2012	R0302361	\$286,500	2
Bigler, Erin	Columbus Children's Hospital Research Institute (NIH)	Social Outcomes in Pediatric Traumatic Brain Injury	6/1/2011	5/31/2012	R0302184	\$70,639	2
Bigler, Erin	Baylor College of Medicine (NIH)	Neurobehavioral Outcome of Head Injury in Children	2/1/2011	1/31/2012	R0302403	\$12,486	2
Bigler, Erin	U of U (NIH)	Atypical Late Neurodevelopment in Autism: A Longitudinal MRI and DTI Study	8/1/2011	7/31/2012	R0302228	\$23,010	2
Steffensen, Scott	NIH	Neuropharmacological Substrates of Alcohol Addiction	8/12/2010	7/31/2012	R0102002	\$60,000	1
<b>School of Family Life</b>							
Busby, Dean	Marriage Initiative (DHHS)	Meeting Couples Where They are at: Development of Longitudinal Assessment, Feedback, and Education Process for Couples	7/1/2011	6/30/2012	R0302365	\$25,300	2
Hawkins, Alan	Public Strategies, Inc	A Meta-analytical Study of the Effectiveness of OFA Grantee healthy Marriage Initiatives	1/3/2011	8/15/2011	R0302379	\$1,650	3
Hawkins, Alan	Public Strategies Inc (NIH)	Effectiveness of OFA Grantee Healthy Marriage Initiatives	1/1/2011	5/30/2011	R0302379	\$3,975	2
Yorgason, Jeremy	VRHRC-WR	IPA	7/1/2011	6/30/2012	R0302401	\$9,626	2
<b>Sociology</b>							
Call, Vaughn	Veteran's Rural Health Resource Center, Western Region	RHRC Research Project	1/10/2011	9/30/2012	R0302413	\$48,352	2
Ward, Carol	Provo School Dist (ED)	21st Century After School Program Assessment	8/1/2005	9/30/2015	R0302145	\$25,000	2
Ward, Carol	Chief Dull Knife College (NSF)	NSF Tribal Colleges and Universities Program: Integrated Math and Science Curriculum Evaluation	9/12/2011	9/14/2012	R0302226	\$10,000	2
Ward, Carol	Chief Dull Knife College (NSF)	NSF TUES Program: Integrated Math and Science Curriculum Evaluation	10/1/2011	9/30/2012	R0302405	\$10,000	2
<b>Social Work</b>							



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

Department Totals	
Anthropology	\$0
Economics	\$398,841
Geography	\$59,201
History	\$0
School of Family Life	\$40,551
Joseph Fielding Smith Institute	\$0
Marriage & Family Therapy	\$0
Museum of Peoples & Cultures	\$0
Office of Public Archaeology	\$677,298
Political Science	\$1,126,644
Psychology	\$166,135
Social Work	\$2,500
Sociology	\$93,352
<b><i>College Total:</i></b>	<b><u>\$2,564,522</u></b>

# Family, Home & Social Sciences

## Source Breakdown of Grants and Contracts

Sponsor	No. Awarded	Amount
<b>Federal Sponsors</b>		
DoED	2	\$646,005
NEA	1	\$60,000
NIH	1	\$60,000
USDA-ERS	1	\$243,985
<i>Total</i>	5	\$1,009,990
<b>Federal Subcontract Sponsors</b>		
Baylor College of Medicine (NIH)	1	\$12,486
Chief Dull Knife College	2	\$20,000
Columbus Children's Hospital Research Institute (NIH)	1	\$70,639
Cornell University	1	\$29,656
CUNY (NSF)	1	\$59,201
Harvard (EPA)	1	\$11,970
Marriage Initiative (DHHS)	1	\$25,300
Provo School Dist (ED)	1	\$25,000
Public Strategies Inc. (NIH)	1	\$3,975
U of U (NIH)	1	\$23,010
U of U (DoED)	2	\$344,687
Utah Commission on Volunteerism (Fed \$)	1	\$2,500
VRHRC-WR	1	\$57,978
<i>Total</i>	16	\$691,402
<b>State Sponsors</b>		
Griffiths University	1	\$5,000
Kent State U (Spencer Foundation)	1	\$12,000
Public Strategies Inc	1	\$1,650
Spanish Fork City	1	\$3,000
Utah Humanities Council	1	\$4,820
Utah Trust Lands	1	\$500,000
<i>Total</i>	6	\$526,470
<b>Private Sponsors</b>		
Development Gateway	3	\$111,452
Fort Harmony Historical Society	2	\$10,000
Idaho Power	2	\$80,643
INET	1	\$108,980
JBR Environmental Consultants, Inc	1	\$8,700
LDS Church History	1	\$500
Lincoln Inst. Of Land Policy	1	\$4,250
Trees, Inc.	2	\$44,286
URS Corp	4	\$25,349
<i>Total</i>	18	\$394,160

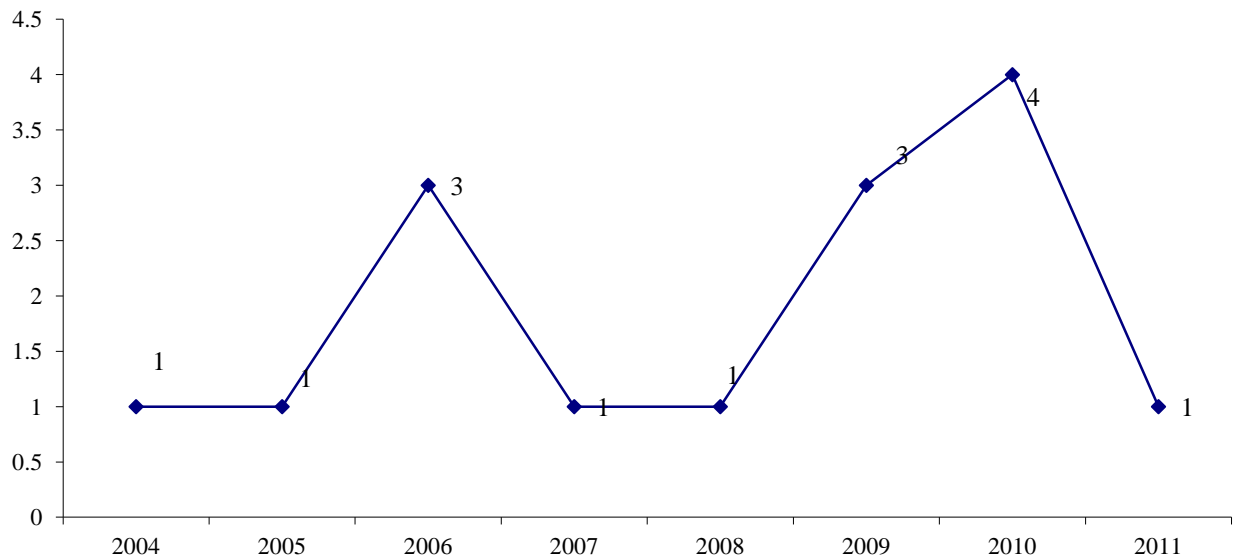


# College of Fine Arts & Communications

# Summary of Sponsored Research (Grants & Contracts)

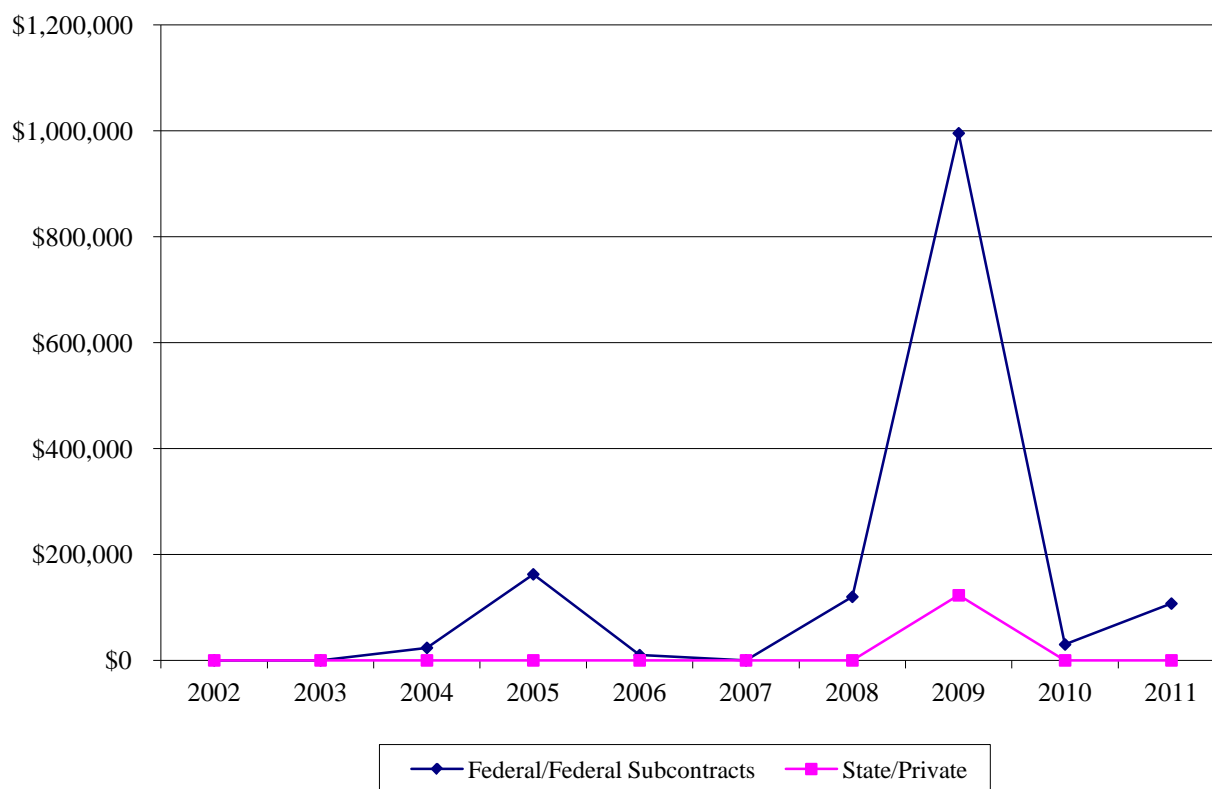
Department	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Communication	0	0	0	\$0
Dance	0	0	0	\$0
Museum of Art	0	0	1	\$60,000
School of Music	1	1	1	\$47,250
Theatre & Media Arts	0	0	0	\$0
Visual Arts	0	0	0	\$0
<b>TOTALS</b>	1	1	2	\$107,250

# Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2002	\$0	\$0	\$0
2003	\$0	\$0	\$0
2004	\$23,680	\$0	\$23,680
2005	\$162,521	\$0	\$162,521
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



# Fine Arts & Communications

## Source Breakdown of Grants and Contracts

<u>Sponsor</u>	<u>No. Awarded</u>	<u>Amount</u>
<b>Federal Sponsors</b>		
NEA	1	\$60,000
<i>Total</i>	1	\$60,000
<b>Federal Subcontract Sponsors</b>		
U of U (DoED)	1	\$47,250
<i>Total</i>	1	\$47,250
<b>State Sponsors</b>		
None		
<b>Private Sponsors</b>		
None		
<i>Total</i>	2	\$107,250

<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>
<b>School of Music</b>								
Jones, Stephen		U of U (DoED)	Multi-University Support the Preparation & Training of Arts	7/1/2011	6/30/2012	R0402190	\$47,250	2
<b>Museum of Art</b>								
Wardle, Marian		NEA	The Weir Family, 1820-1920: Expanding the Traditions of American Art	6/1/2011	5/31/2012	R0202345	\$60,000	1

<b>Department Totals</b>	
Theatre & Media Arts	\$0
Communications	\$0
Dance	\$0
Museum of Art	\$60,000
School of Music	\$47,250
<b>College Total:</b>	<u>\$107,250</u>

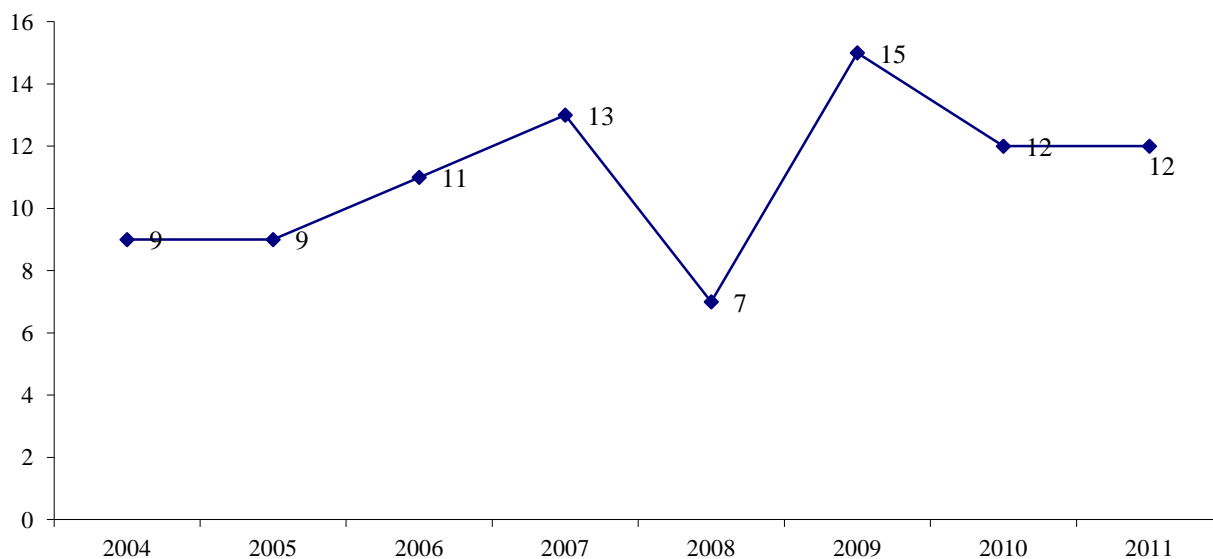


# College of Humanities

# Summary of Sponsored Research (Grants & Contracts)

Department	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Asian & Near Eastern Languages	3	10	10	\$2,192,863
Center for Language Studies	1	1	3	\$300,113
English	0	0	1	\$35,000
French & Italian	0	0	0	\$0
German & Slavic Languages	0	0	0	\$0
Hum, Classics & Comparative Lit	0	0	0	\$0
Linguistics	1	1	1	\$40,500
Philosophy	0	0	0	\$0
Spanish & Portuguese	0	0	1	\$22,706
<b>TOTALS</b>	<b>5</b>	<b>12</b>	<b>13</b>	<b>\$2,591,182</b>

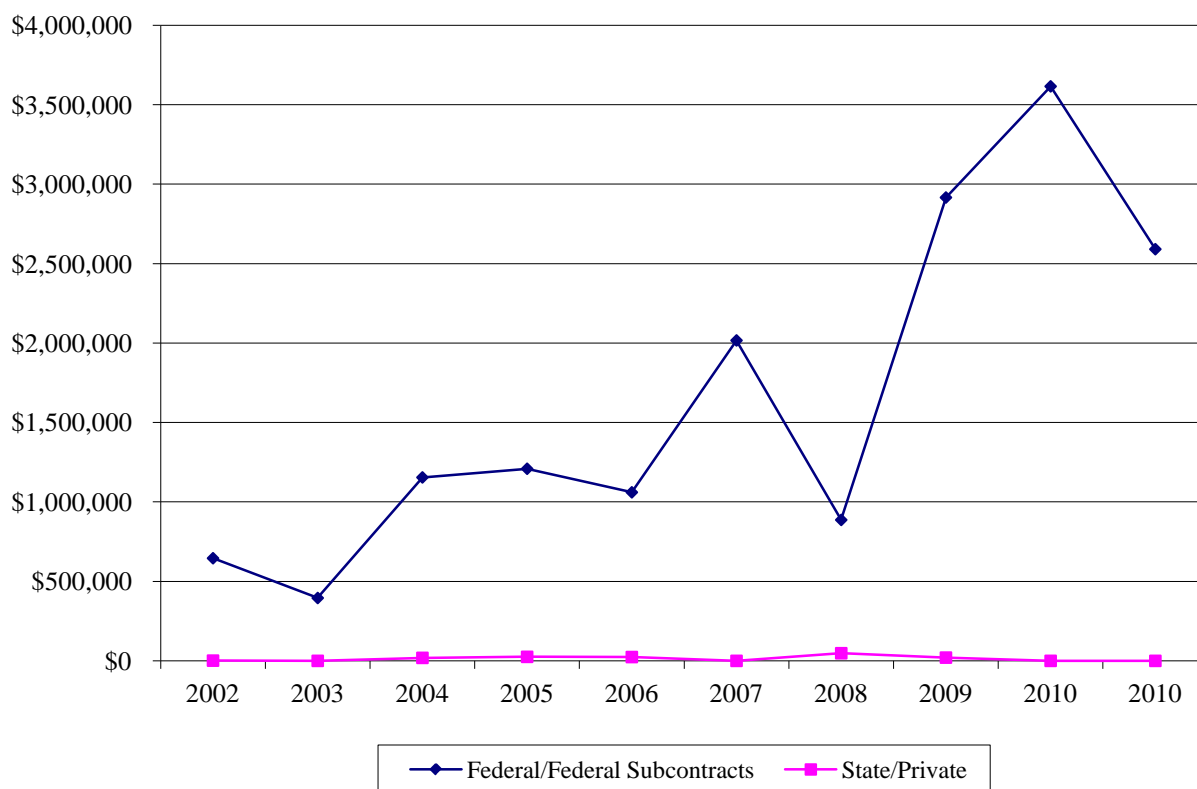
## Proposal Submission Activity





# External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2002	\$645,960	\$1,440	\$647,400
2003	\$395,633	\$0	\$395,633
2004	\$1,154,680	\$18,800	\$1,173,480
2005	\$1,209,231	\$25,237	\$1,234,468
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



# Humanities 2011 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>
<b><i>Asian &amp; Near Eastern Languages</i></b>								
Belnap, Kirk		NAS(NFLC)	BYU 2011 Startalk Arabic Camp	3/30/2011	2/28/2012	R0202331	\$121,627	1
Belnap, Kirk		DoED	National Middle East Language Resource Center	8/15/2011	8/14/2012	R0132018	\$172,925	1
Belnap, Kirk		DoED	National Middle East Language Resource Center	8/15/2010	8/14/2014	R0132018	\$2,502	1
Bougerie, Dana		IIE (DOD)	Chinese Flagship	6/1/2011	5/31/2012	R0302314	\$837,251	2
Bourgerie, Dana		IIE (DOD)	Chinese Flagship- Overseas – Nanjing Operation	6/1/2011	5/31/2012	R0302314	\$420,398	2
Bourgerie, Dana		DOD-NSEP IIE	K-12 Collaborative Innovation- Chinese Flagship	9/30/2011	9/29/2012	R0302422	\$349,764	2
Bourgerie, Dana		NSA(NFLC)	BYU 2011 Startalk Student Program- Chinese Flagship Center	3/30/2011	2/28/2012	R0202332	\$100,000	1
Bourgerie, Dana		Institute of Intl Educ	Chinese Assessment Project	9/1/2010	12/31/2011	R0302321	\$78,247	2
Bourgerie, Dana		Amer Council Intl Educ	Cross Language Joint Flagship Assessment Project	9/1/2010	8/31/2011	R0302348	\$10,500	2
Christensen, Matthew		NAS (NFLC)	BYU 2011 Startalk Teacher Program- Chinese Flagship Center	3/30/2011	2/28/2012	R0202333	\$99,649	1
<b><i>Center for Language Studies</i></b>								
Belnap, Kirk	w/Bush, Michael	UC Davis (DOD)	Arabic Encounters	6/1/2009	5/31/2012	R0302372	\$2,556	2
Bush, Michael		UC Davis (DOD)	Arabic Encounters	6/1/2009	5/31/2012	R0302372	\$2,556	2
Clifford, Ray		Serco (DOD)	Computer Scoring of Language Tests	5/22/2011	4/7/2012	R0302305	\$258,000	2
Clifford, Ray		OPM(Fed)	Computer Scoring	8/27/2009	5/21/2011	R0302305	\$37,001	2
<b><i>English</i></b>								
Dean, Deborah		Univ of Calif (DoED)	Central Utah Writing Project	6/30/2010	6/30/2012	R0302280	\$35,000	2
<b><i>Linguistics</i></b>								
Nuckolls, Janis		NSF	Graduate Fellowship Award	7/22/2011	8/31/2012	R0112167	\$40,500	1
<b><i>Spanish &amp; Portuguese</i></b>								
Bateman, Blair		DoED	Training Grant-Brazil	8/1/2010	7/31/2013	R0302362	\$22,706	1

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

Department Totals	
Asian & Near Eastern Languages	\$2,192,863
Center for Language Studies	\$300,113
English	\$35,000
French & Italian	\$0
German & Slavic Languages	\$0
Hum, Classics & Comparative Lit	\$0
Humanities Research Center	\$0
Linguistics	\$40,500
Philosophy	\$0
Spanish & Portuguese	\$22,706
<b>College Total:</b>	<b>\$2,591,182</b>

# Humanities

## Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>No. Awarded</b>	<b>Amount</b>
<b>Federal Sponsors</b>		
DoED	3	\$198,133
NSA (NFLC)	3	\$321,276
NSF	1	\$40,500
<i>Totals</i>	7	\$559,909
<b>Federal Subcontracts Sponsors</b>		
Amer Council Intl Ed	1	\$10,500
DOD (IIE)	2	\$1,257,649
DOD-NSEP IIE	1	\$349,764
Institute of Intl Ed	1	\$78,247
OPM (Fed)	1	\$37,001
Serco (DOD)	1	\$258,000
UC Davis (DOD)	1	\$5,112
Univ of Calif (DoED)	1	\$35,000
<i>Totals</i>	9	\$2,031,273
<b>Private</b>		
None	0	\$0
<i>Totals</i>	0	\$0

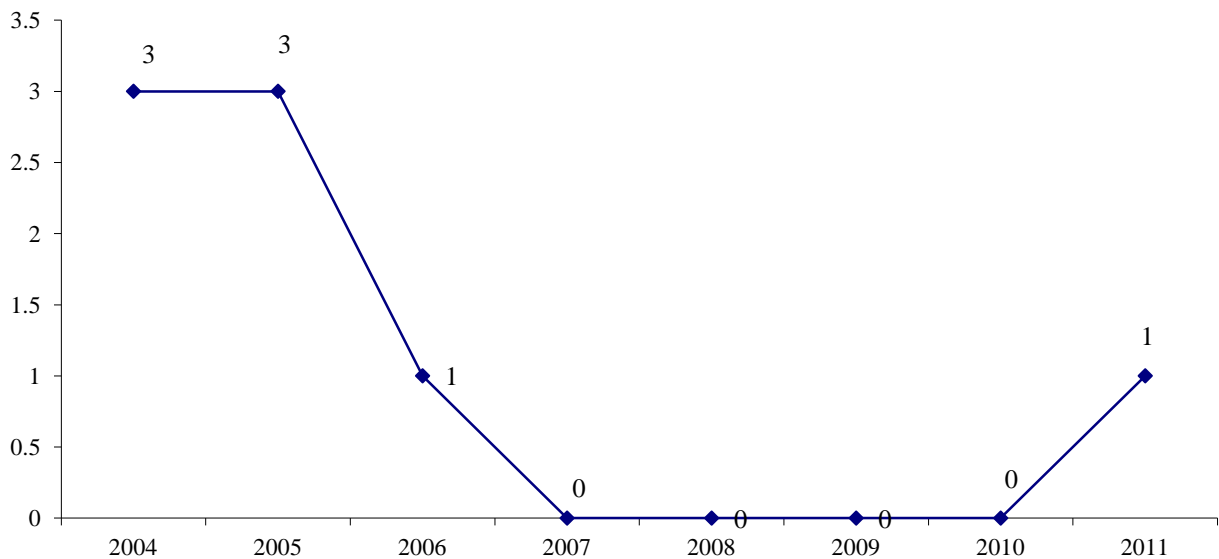


# J. Reuben Clark Law School

# Summary of Sponsored Research (Grants & Contracts)

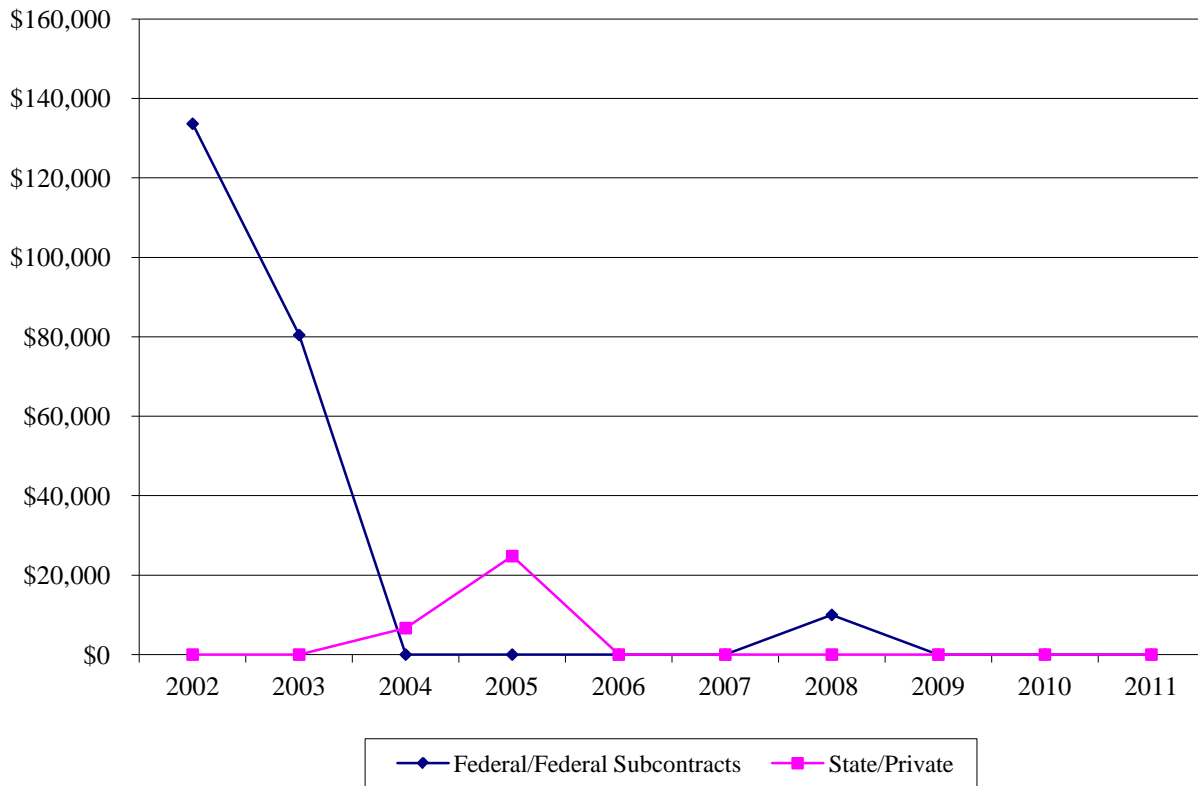
Department	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Law School	1	1	0	\$0
<b>TOTALS</b>	1	1	0	\$0

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2002	\$133,653	\$0	\$133,653
2003	\$80,453	\$0	\$80,453
2004	\$0	\$6,667	\$6,667
2005	\$0	\$24,799	\$24,799
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



Department Totals	
Law School	\$0
<b>College Total:</b>	\$0

# J. Reuben Clark Law School

## Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>Number Awarded</b>	<b>Total Amount</b>
<b>Federal</b>		
None		
	<i>Total</i>	_____
<b>Subcontracts</b>		
None		
	<i>Total</i>	_____
<b>State</b>		
None		
	<i>Total</i>	_____
<b>Private</b>		
None		
	<i>Total</i>	_____



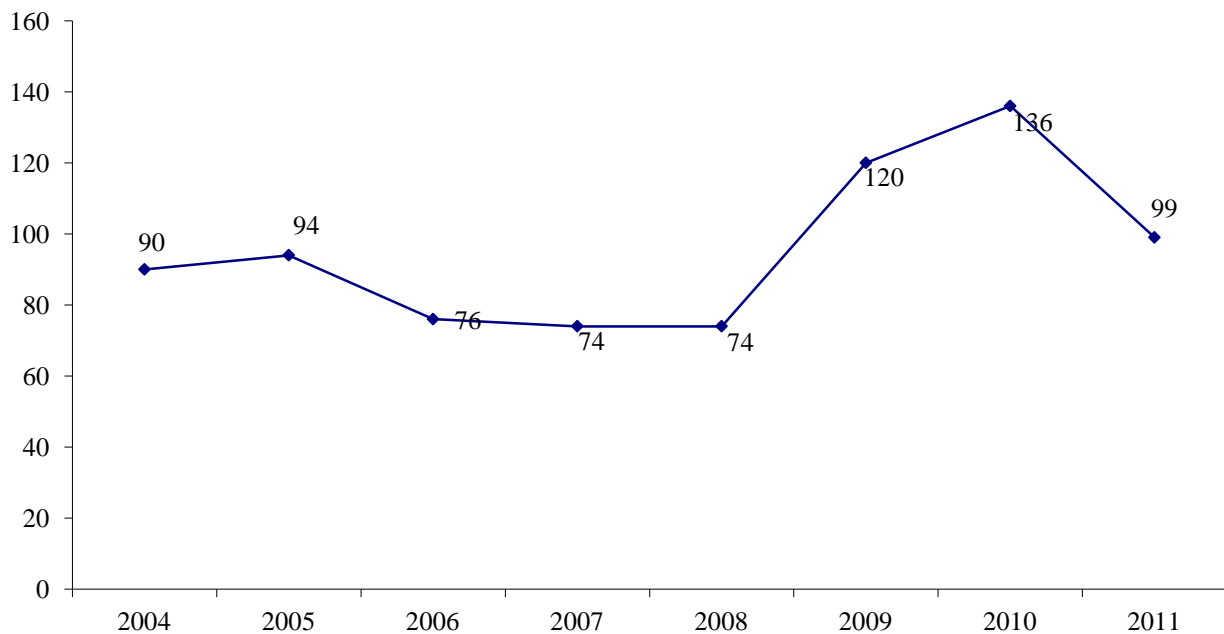


# College of Life Sciences

# Summary of Sponsored Research (Grants & Contracts)

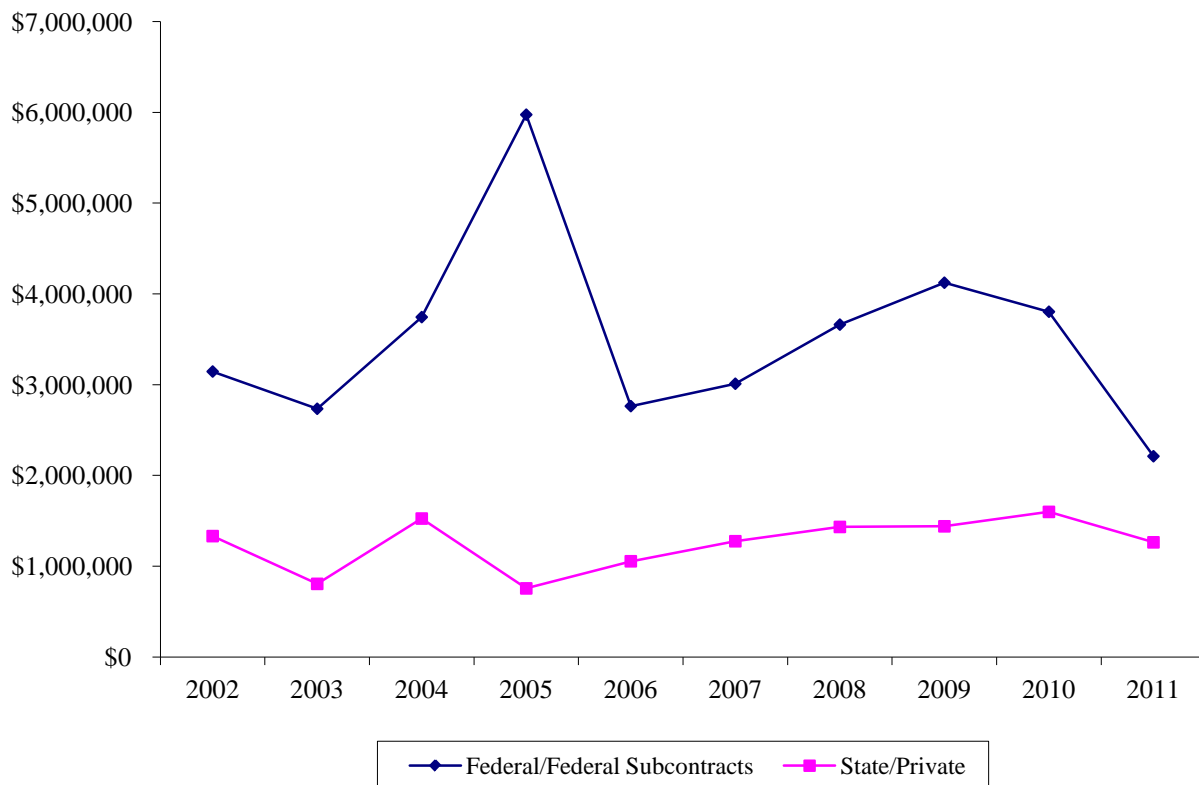
Department	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Monte Bean Life Science Museum	0	0	1	\$24,000
Biology	20	32	22	\$714,297
Exercise Science	6	5	2	\$10,004
Health Science	3	4	2	\$4,340
Microbiology & Molecular Biology	10	14	10	\$1,300,122
Nutrition, Dietetics & Food Science	3	5	15	\$314,614
Physiology & Developmental Biology	13	13	2	\$221,209
Plant & Wildlife Science	18	26	26	\$886,537
<b>TOTALS</b>	<b>73</b>	<b>99</b>	<b>78</b>	<b>\$3,475,123</b>

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2002	\$3,144,951	\$1,331,910	\$5,384,623
2003	\$2,734,614	\$805,898	\$3,740,771
2004	\$3,744,218	\$1,525,364	\$5,908,017
2005	\$5,974,159	\$755,983	\$6,805,888
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



# College of Life Sciences 2011 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>
<b>Monte Bean Life Science Museum</b>								
St. Clair, Larry		Alpine School District	Education Partnership - Bean Museum	11/1/2011	10/31/2012	R0502113	\$24,000	4
<b>Biology</b>								
Adams, Byron		NSF via Univ of Colorado	Increased Connectivity in a Polar Desert Resulting from Climate Warming	4/15/2011	3/31/2012	R0302397	\$38,915	2
Belk, Mark		BLM-Wyoming	Northern Leatherside Study	1/10/2011	12/31/2015	R0202297	\$58,000	1
Belk, Mark	w/ Hotchkiss, Rollin	UDOT	Culvert Roughness Elements for Native Utah Fish Passage, Phase II	3/1/2011	3/1/2012	R0402181	\$13,367	3
Belk, Mark	w/ Hotchkiss, Rollin	CUWCD	Stream to Lake Ecotone for a Changing Hobbie Creek	4/18/2011	4/30/2012	R0402160	\$11,180	3
Belk, Mark		CUWCD	Characterization of mouth shape phenotype in June Sucker	4/26/2010	6/30/2012	R0402164	\$10,216	3
Belk, Mark		US DoI - BLM	Norther Leatherside Study	1/6/2010	12/31/2015	R0202297	\$30,000	1
Belk, Mark C.		BLM-Wyoming	Northern Leatherside Study	1/6/2010	12/31/2015	R0202297	\$22,000	1
Crandall, Keith		NSF	REU Supplement	1/3/2011	8/31/2012	R0112175	\$3,000	1
Evans, R. Paul	w/Shiozawa, Dennis	UDWR	Fish Analysis	6/1/2010	6/1/2011	R0402117	\$28,878	3
Evans, R. Paul	w/Shiozawa, Dennis	Otis Bay(US F&W)	Genetic testing of relict dace from Ruby Lake National Wildlife refuge	7/18/2011	11/1/2011	R0302402	\$6,750	2
Gill, Richard		USGS	Linkages between Aeolian and Hydrologic Processes: Impact of Off-Road vehicles and grazing animals	9/1/2011	12/31/2013	R0202348	\$36,000	1
Kauwe, John		NIH(Washington U)	Use of Ednophenotypes in the Search for Alzheimer's Disease	9/1/2010	8/31/2011	R0302380	\$48,956	2
Kauwe, John		Alzheimer's Association	Genetic and environmental effects on rate of progression of Alzheimer's disease	8/1/2011	7/31/2014	R0502146	\$149,831	4
Rader, Russell	w/ Hotchkiss, Rollin	UDOT	Culvert Roughness Elements for Native Utah Fish Passage, Phase II	3/1/2011	3/1/2012	R0402181	\$13,366	3
Rader, Russell	w/ Hotchkiss, Rollin	CUWCD	Stream to Lake Ecotone for a Changing Hobbie Creek	4/18/2011	4/30/2012	R0402160	\$11,181	3
Rogers, Duke		NSF	Integrating calescent into the hypothesis testing of Neotropical diversification	6/1/2011	5/31/2013	R0112184	\$12,690	1
Shiozawa, Dennis		UDWR	Fish Analysis	6/1/2010	6/1/2011	R0402117	\$28,878	3
Shiozawa, Dennis		Otis Bay(US F&W)	Genetic testing of relict dace from Ruby Lake National Wildlife refuge	7/18/2011	11/1/2011	R0302402	\$6,750	2
Shiozawa, Dennis		UDWR	Genetic Analysis of Utah Cutthroat Trout	6/1/2011	5/31/2012	R0402117	\$32,718	3
Shiozawa, Dennis		Colorado DWR	Genetic Analysis of Colorado Cutthroat Trout	7/1/2011	7/1/2012	R0492029	\$4,950	3
St. Clair, Larry		USDA Forest Service	Air Quality bio-monitoring sites in Flat Tops Wilderness Area	6/1/2009	5/14/2014	R0202275	\$8,696	1
St. Clair, Larry		NSF	North American Lichens & Bryophytes	7/1/2011	6/30/2015	R0112191	\$105,999	1
St. Clair, Larry		USDA Forest Service	Expansion of the Air Quality Bio-Monitoring Baseline for the Humboldt-Toiyabe NF	3/23/2009	5/31/2015	R0202267	\$25,546	1
St. Clair, Larry		USDA Forest Service	Extend Air Quality Bio-monitoring System - South Unit- Ashley National Forest	9/7/2011	9/30/2013	R0202352	\$6,430	1
<b>Exercise Science</b>								
Draper, David		ReGear Life Sciences	Comparison of the ReGear Short Wave Unit with Hot Packs	4/1/2011	12/1/2011	R0602351	\$1,668	4
Hawkes, Amanda	w/Draper, David	ReGear Life Sciences	Comparison of the ReGear Short Wave Unit with Hot Packs	4/1/2011	12/1/2011	R0602351	\$1,668	4
Ridge, Sarah		US Figure Skating Assoc	Measuring Impact Forces during Figure Skating Jumps	10/1/2011	10/1/2012	R0502148	\$5,000	4
Rigby, Justin	w/Draper, David	ReGear Life Sciences	Comparison of the ReGear Short Wave Unit with Hot Packs	4/1/2011	12/1/2011	R0602351	\$1,668	4
<b>Health Science</b>								
Thygeron, Steven		Spencer Education Fdn	Spencer Education Foundation Internship Grant	3/15/2010	8/31/2011	R0502117	\$3,000	4
Thygeron, Steven		IHC	Fit Testing at IHC Workmed clinic - Springville, UT	1/1/2011	12/31/2011	R0602355	\$1,340	4
<b>Microbiology &amp; Molecular Biology</b>								

Berges, Brad		Harmony Health	Use of humanized mice to develop novel human monoclonal antibodies	6/1/2010	5/31/2012	R0602352	\$31,725	4
Berges, Brad		HHV-6 Foundation	Development of Humanized Rag2 mice as a model for HHV6A infection	11/1/2011	12/1/2012	R0502130	\$27,500	4
Berges, Brad		(ARRA)USTAR-U of U	Pharmacokinetic Optimization of a D-Peptide HIV Entry Inhibitor	4/1/2011	6/30/2011	R0302386	\$15,000	2
Burnett, Sandra	w/Jensen, Brian	NanoInjection Tech	Advancement in NanoInjection Tech IV	2/1/2011	8/30/2011	R0602306	\$44,223	4
Burnett, Sandra	w/ Jensen, Brian	NanoInjection Tech	Cytoplasm-toPronucleus and YAC NanoInjection	2/1/2010	8/30/2012	R0602306	\$16,650	4
Evans, R. Paul	w/Shiozawa, Dennis	UDWR	Genetic Analysis of Utah Cutthroat Trout	6/1/2011	5/31/2012	R0402117	\$32,717	3
Evans, R. Paul	w/Shiozawa, Dennis	Colorado DWR	Genetic Analysis of Colorado Cutthroat Trout	7/1/2011	7/1/2012	R0492029	\$4,950	3
Griffitts, Joel		NSF	The molecular basis of abortive symbiosis	3/1/2011	2/29/2012	R0112180	\$82,112	1
Grose, Julianne		NIH via U of Utah	S. Cerevisiae as a model system	8/1/2011	7/31/2012	R0302336	\$10,000	2
McCleary, William		NIH	Molecular Mechanisms of Phosphate Signaling in E. coli	4/1/2011	3/31/2014	R0102052	\$286,600	1
Nielsen, Brent		The National Academies (NEH)	Photosynthesis and Oxidative Stress Gene Expression in Halophytes	11/15/2010	11/14/2012	R0302363	\$59,800	2
Robison, Richard		Homeland Sec(BNBI)	A Curated archive of Viable Select Agents and Extracted Nucleic A	5/18/2011	9/30/2012	R0302243	\$312,000	2
Robison, Richard		Solutions BioMed	Antimicrobial Materials and Select Agents	6/1/2007	12/31/2012	R0602144	\$1,845	4
Wilson, Eric		NIH	IgA ASC Homing to Mucosal Tissues	8/1/2011	7/31/2014	R0102054	\$375,000	1
<b>Nutrition, Dietetic &amp; Food Science</b>								
Lloyd, Michelle		USDA(Utah State U)	Assessment of Consumer Emergency Preparedness in Utah	9/1/2010	8/31/2011	R0302389	\$12,500	2
Ogden, Lynn		Basic American Foods	Sensory Panels	1/1/2011	12/31/2011	R0602340	\$12,447	4
Ogden, Lynn		Basic American Foods	Sensory Panel	1/1/2011	12/31/2011	R0602340	\$10,212	4
Ogden, Lynn		Basic American Foods	Consumer Sensory Panel	1/1/2011	12/31/2011	R0602340	\$3,038	4
Ogden, Lynn		Basic American Foods	Consumer Taste Preferences	1/1/2011	12/31/2011	R0602340	\$2,168	4
Ogden, Lynn	w/Lloyd, Michelle	USDA(Utah State U)	Assessment of Consumer Emergency Preparedness in Utah	9/1/2010	8/31/2011	R0302389	\$12,500	2
Ogden, Lynn		Basic American Foods	Consumer Taste Preferences	1/1/2011	12/31/2011	R0602340	\$15,874	4
Ogden, Lynn		Basic American Foods	Consumer Tasting Panel	1/1/2011	12/31/2011	R0602340	\$6,960	4
Ogden, Lynn		Basic American Foods	Consumer Taste Preferences	1/1/2011	12/31/2011	R0602340	\$4,336	4
Ogden, Lynn		Basic American Foods	Consumer Taste Preferences	1/1/2011	12/31/2011	R0602340	\$6,960	4
Ogden, Lynn		Basic American Foods	Consumer Taste Preferences	1/1/2011	12/31/2011	R0602340	\$9,128	4
Ogden, Lynn		Basic American Foods	Consumer Sensory Panel	1/1/2011	12/31/2011	R0602340	\$2,168	4
Parker, Tory		USDA	Color, Seeds and Antioxidants of Utah raspberries	10/1/2010	9/30/2013	R0302385	\$12,273	2
Parker, Tory		USDA(JCarnet of Utah)	Quality Characteristics and antioxidant activity - Utah Red Raspberries	9/30/2009	3/31/2012	R0302331	\$500	2
Pike, Oscar		LDS Welfare Services	BYU Quality Food Laboratories	1/1/2012	12/31/2012	R0700031	\$160,000	4
Steele, Frost		Deseret Meats	Pathogen analysis for meat products produced at Deseret Meats	1/1/2011	12/31/2011	R0702001	\$43,550	4
<b>Physiology &amp; Developmental Biology</b>								
Busath, David		Florida State U(NIH)	Correlations: Structure Dynamics - Function in Channels	8/1/2011	7/31/2015	R0302408	\$112,709	2
Reynolds, Paul		FAMRI	Rage-Mediated Effects of Pulmonary Inflammation and Emphysema	7/1/2010	6/30/2012	R0502111	\$108,500	4
<b>Plant &amp; Wildlife Sciences</b>								
Anderson, Val		USDA Forest Service	Shrub Seed Enhancement and Competitive Matrix Tool	7/1/2008	9/30/2012	R0202253	\$10,800	1
Baxter, Rick	w/Larsen, Randy	URM&CC	Recovery Study of Greater Sage Grouse in Strawberry Valley	5/1/2009	7/30/2012	R0402146	\$32,500	3
Geary, Brad	w/Anderson, Val	USDA Forest Service	Shrub Seed Enhancement and Competitive Matrix Tool	7/1/2008	9/30/2012	R0202253	\$10,800	1
Hopkins, Bryan		US Army DOD	Nutrient Quantity-Intensity Relationships for Determining Environmental fate of Munition Constituents	9/20/2011	9/19/2012	R0202351	\$29,100	1

Jellen, Eric		USDA, ARS PWS	Oat SNP Development & Identification of Loci Affecting Key Traits	5/18/2010	8/31/2012	R0202305	\$20,352	1
Jellen, Eric		USDA, ARS PWS	Oat SNP Development & Identification of Loci Affecting Key Traits	5/18/2010	8/31/2012	R0202305	\$15,200	1
Larsen, Randy		US Army Dugway	Snowy plover inventory and use of habitats at Dugway	4/1/2011	8/31/2013	R0202312	\$46,521	1
Larsen, Randy	w/McMillan, Brock	US Army Dugway	Small mammals at Dugway: Prey-bae dynamics and rare species	3/14/2011	8/31/2012	R0202329	\$21,568	1
Larsen, Randy		US Army Dugway	Inventory of Pygmy Rabbits and habitats at Dugway	1/1/2011	8/31/2012	R0202330	\$12,436	1
Larsen, Randy		US Army Dugway	Technician support for the U.S. Army's dugway proving ground	4/11/2011	12/31/2011	R0202335	\$18,743	1
Larsen, Randy		US Army Dugway	Spring and Seep Management at the U.S. Army's Dugway Proving Ground	4/1/2011	8/15/2015	R0202336	\$14,220	1
Larsen, Randy		URM&CC	Recovery Study of Greater Sage Grouse in Strawberry Valley	5/1/2009	7/30/2012	R0402146	\$32,500	3
Larsen, Randy		Water for Wildlife Foundation	Benefits, Impacts and Proper Spacing of Guzzlers for Chukars	1/1/2011	12/31/2012	R0502066	\$10,000	4
Larsen, Randy	w/St. Clair, Sam	UDWR	Assessment of disturbance size and ecological conditions on wildlife impacts of aspen regeneration in Utah	7/1/2011	6/30/2012	R0402186	\$10,060	3
Larsen, Randy		UDWR	Assessment of Pygmy Rabbit Response to Ruby Pipeline	7/1/2011	6/30/2012	R0402187	\$43,742	3
Larsen, Randy		UDWR	Chukar Release Evaluations	7/1/2011	6/30/2012	R0402188	\$28,556	3
Larsen, Randy		UDWR	Guidelines for placement of wildlife water development	7/1/2011	6/30/2012	R0402189	\$37,448	3
Larsen, Randy		Utah Chukar Foundation	Chukar Study	10/17/2011	12/31/2012	R0502066	\$4,000	4
Larsen, Randy		US Fish & Wildlife Svcs	RLGIS Field Technician - Fish Springs National Wildlife Refuge	9/14/2011	9/30/2013	R0202354	\$23,397	1
Maughan, Jeff		The McKnight Foundation	Sustainable Management of Quinoa and Potato in Bolivian Altiplano	7/1/2010	6/30/2012	R0502121	\$15,000	4
McMillan, Brock	w/Larsen, Randy	US Army Dugway	Snowy plover inventory and use of habitats at Dugway	4/1/2011	8/31/2013	R0202312	\$46,522	1
McMillan, Brock		US Army Dugway	Small mammals at Dugway: Prey-bae dynamics and rare species	3/14/2011	8/31/2012	R0202329	\$21,568	1
McMillan, Brock	w/Larsen, Randy	US Army Dugway	Inventory of Pygmy Rabbits and habitats at Dugway	1/1/2011	8/31/2012	R0202330	\$12,435	1
McMillan, Brock	w/Larsen, Randy	US Army Dugway	Technician support for the U.S. Army's dugway proving ground	4/11/2011	12/31/2011	R0202335	\$18,743	1
McMillan, Brock	w/Larsen, Randy	US Army Dugway	Spring and Seep Management at the U.S. Army's Dugway Proving Ground	4/1/2011	8/15/2015	R0202336	\$14,220	1
McMillan, Brock	w/Larsen, Randy	UDWR	Assessment of Pygmy Rabbit Response to Ruby Pipeline	7/1/2011	6/30/2012	R0402187	\$43,741	3
McMillan, Brock	w/Larsen, Randy	UDWR	Guidelines for placement of wildlife water development	7/1/2011	6/30/2012	R0402189	\$37,447	3
Petersen, Steven		Nature Conservancy	Habitat Modeling of Greater Sage Grouse in Utah	5/1/2011	12/31/2013	R0502134	\$19,844	4
Roundy, Bruce		USDA Forest Service	SageSTEP Soil moisture station monitoring	10/21/2010	4/30/2015	R0202327	\$10,000	1
Roundy, Bruce		USDA Forest Service	SageSTEP Soil moisture station monitoring	10/21/2010	4/30/2015	R0202327	\$10,000	1
St. Clair, Sam		UDWR	Assessment of disturbance size and ecological conditions on wildlife impacts of aspen regeneration in Utah	7/1/2011	6/30/2012	R0402186	\$10,061	3
Terry, Richard		NSF	Uci-Cansahcab Regional Intergration Project	6/1/2011	5/31/2014	R0112183	\$32,550	1
Udall, Joshua		Cotton, Inc	Development and application of next-gen sequence technologies	1/1/2011	12/31/2011	R0602343	\$30,000	4
Udall, Joshua		USDA	Big sagebrush DNA sequencing and alignment analyses	6/14/2011	6/1/2014	R0202288	\$22,000	1
Udall, Joshua A.		Cotton, Inc	Genome Sequencing of A-genome diploid Gossypium arboreum	1/1/2011	12/31/2011	R0602348	\$20,700	4
Webb, Bruce		USGS	Soil and Plant Analysis	9/26/2010	9/25/2015	R0202337	\$99,763	1

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

Department Totals

Bean Museum	\$24,000
Biology	\$714,297
Microbiology & Molecular Biology	\$1,300,122
Exercise Science	\$10,004
Health Science	\$4,340
Nutrition, Dietetics & Food Science	\$314,614
Physiology & Developmental Biology	\$221,209
Plant & Wildlife Sciences	\$886,537
<b><i>College Total:</i></b>	<b>\$3,475,123</b>

# Life Sciences

## Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>No. Awarded</b>	<b>Amount</b>
<b>Federal Sponsors</b>		
BLM-Wyoming	2	\$80,000
NIH	2	\$661,600
NSF	5	\$236,351
US Army-Dugway	5	\$226,976
US Army DOD	1	\$29,100
US Dol – BLM	1	\$30,000
US Fish & Wildlife Svcs	1	\$23,397
US Geological Survey	2	\$135,763
USDA	1	\$22,000
USDA Forest Service	6	\$82,272
USDA, ARS PWS	2	\$35,552
<i>Total</i>	28	\$1,563,011
<b>Federal Subcontract Sponsors</b>		
USTAR (UofU)	1	\$15,000
Florida State U (NIH)	1	\$112,709
Homeland Security (BNBI)	1	\$312,000
NIH via UofU	1	\$10,000
NIH (Washington University)	1	\$48,956
NSF via U of Colorado	1	\$38,915
Otis Bay (US F&W)	1	\$13,500
The National Academies	1	\$59,800
USDA	1	\$12,273
USDA (JCarnet of Utah)	1	\$500
USDA (Utah State University)	1	\$25,000
<i>Total</i>	11	\$648,653



**State Sponsors**

Colorado DWR	1	\$9,900
CUWCD	1	\$32,577
UDOT	1	\$26,577
UDWR	6	\$334,246
URM&CC	1	\$65,000
<hr/>		
<i>Total</i>	10	\$1,007,181

**Private Sponsors**

Alpine School District	1	\$24,000
Alzheimer's Association	1	\$149,831
Basic American Foods	10	\$73,291
Cotton, Inc	2	\$50,700
Deseret Meats	1	\$43,550
FAMRI	1	\$108,500
Harmony Health	1	\$31,725
HHV-6 Foundation	1	\$27,500
IHC	1	\$1,340
LDS Welfare Servies	1	\$160,000
NanoInjection Tech	1	\$60,873
Nature Conservancy	1	\$19,844
ReGear Life Sciences	1	\$5,004
Solutions BioMed	1	\$1,845
Spencer Education Fdn	1	\$3,000
The McKnight Foundation	1	\$15,000
US Figure Skating Assoc	1	\$5,000
Utah Chukar Foundation	1	\$4,000
Water for Wildlife Foundation	1	\$10,000
<hr/>		
<i>Total</i>	29	\$795,003

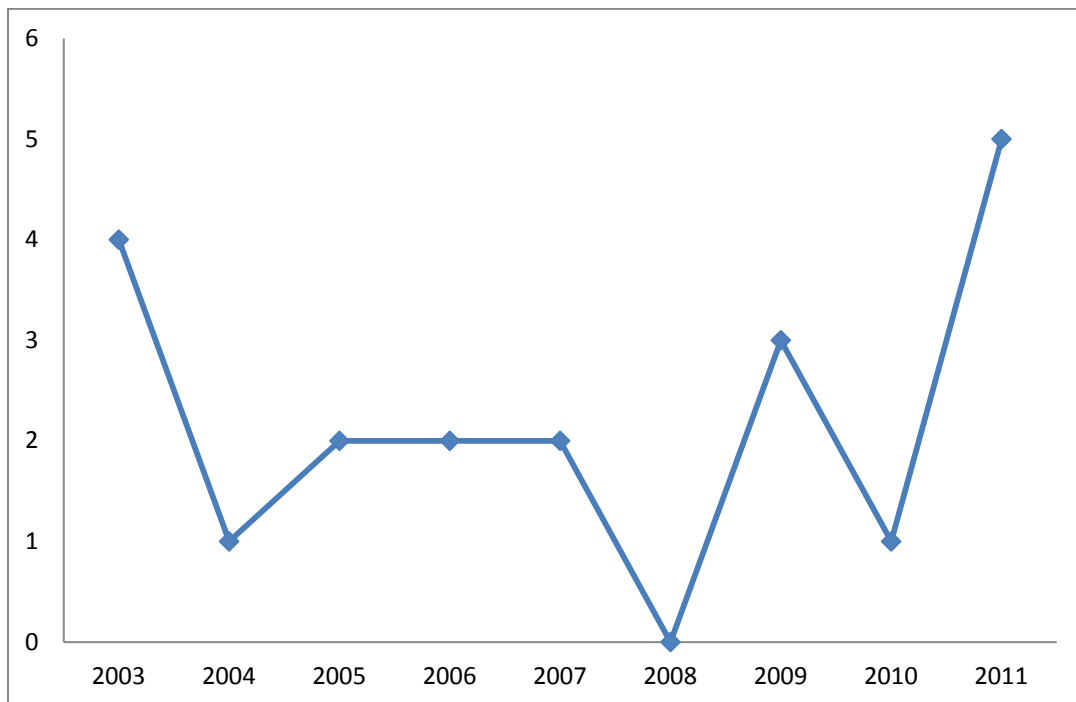


# Marriott School of Management

# Summary of Sponsored Research (Grants & Contracts)

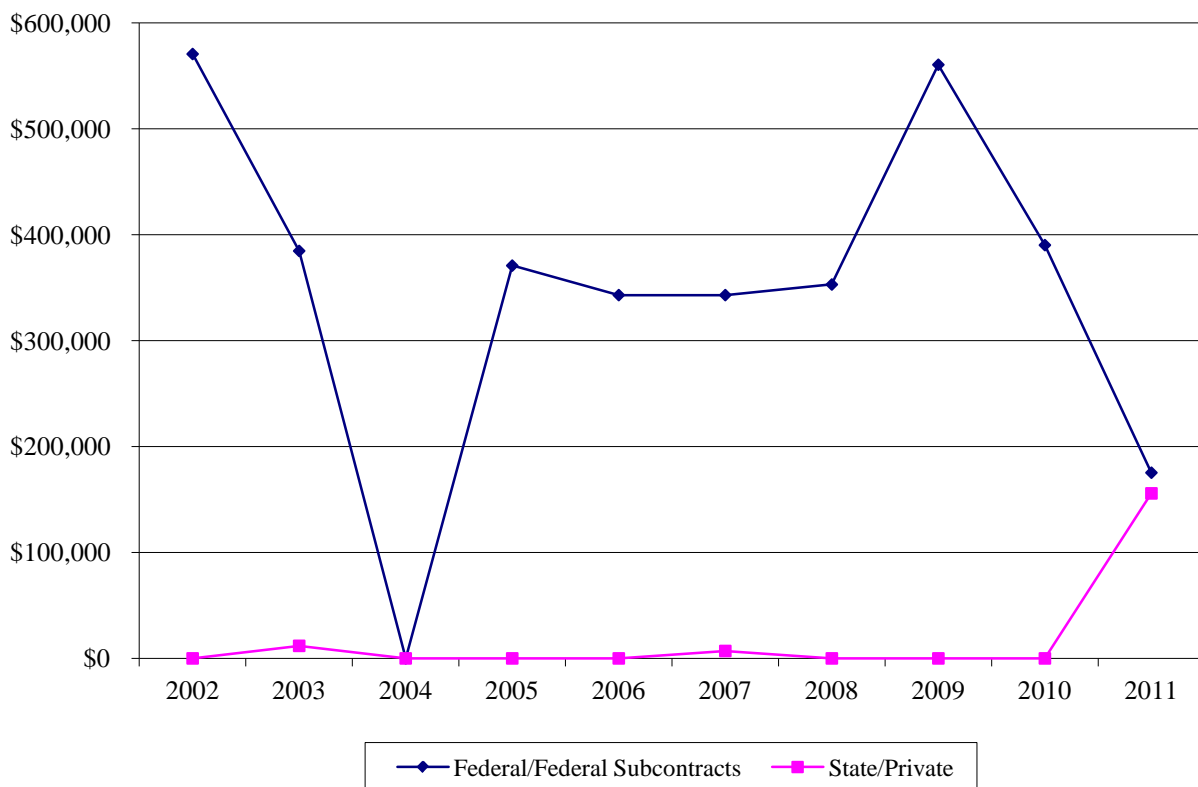
Department	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Business Management	1	2	2	\$175,321
Finance & Managerial Economics	2	1	0	\$0
Organizational Leadership & Strategy	3	2	1	\$35,800
Recreation Management & Youth Leadership	0	0	0	\$0
Romney Inst of Public Management	0	0	0	\$0
School of Accountancy	0	0	1	\$120,000
Information Systems	0	0	0	\$0
<b>TOTALS</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>\$331,121</b>

# Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2002	\$570,628	\$0	\$570,628
2003	\$384,700	\$11,850	\$396,550
2004	\$0	\$0	\$0
2005	\$370,850	\$0	\$370,850
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



# Marriot School of Management 2011 Awards

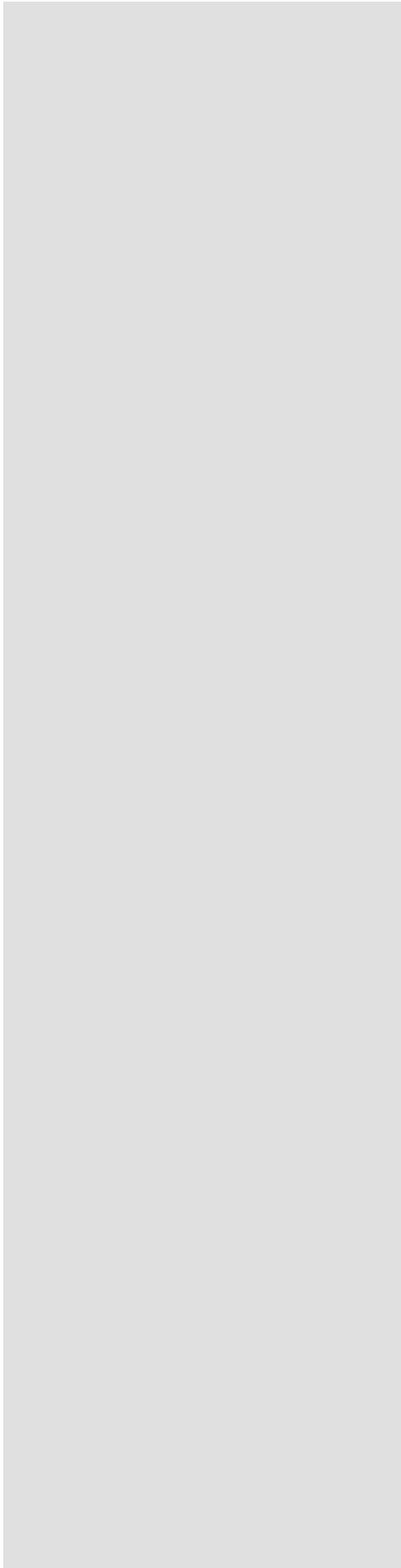
<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Beg Date</u>	<u>End Date</u>	<u>Account</u>	<u>Amount</u>	<u>Type</u>
<b><i>Business Management</i></b>								
Richards, John		UT COE	Intelligent Energy Conservation Program	11/22/2010	12/31/2012	R0482022	\$40,000	3
Richards, John		UT COE	Intelligent Energy Conservation Program (Cost Sharing Account)	11/22/2010	12/31/2012	R0602350	\$80,000	4
<b><i>Organizational Leadership-Strategy</i></b>								
Benson, David	w/Godfrey, Paul	Ewing Marion Kauffman Foundation	Significance of University-Backed Startups to Regional Economic Growth	11/18/2011	12/13/2013	R0502151	\$17,900	4
Godfrey, Paul		Ewing Marion Kauffman Foundation	Significance of University-Backed Startups to Regional Economic Growth	11/18/2011	12/13/2013	R0502151	\$17,900	4
<b><i>School of Accountancy</i></b>								
Radebaugh, Lee		DoED	CIBER	10/1/2011	9/30/2012	R0132021	\$175,321	1

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

Department Totals	
Center for Economic Development	\$0
Business Management	\$120,000
Organizational Leadership & Strategy	\$35,800
Romney Inst of Public Management	\$0
School of Accountancy	\$175,321
Information Systems	\$0
<b><i>College Total:</i></b>	<b>\$331,121</b>

# Marriot School of Management Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>Number Awarded</b>	<b>Total Amount</b>
<b>Federal</b>		
Dept. of Education	1	\$175,321
<i>Total</i>	1	\$175,321
<b>Subcontracts</b>		
None		
<i>Total</i>		
<b>State</b>		
UT COE	1	\$40,000
<i>Total</i>	1	\$40,000
<b>Private</b>		
Ewing Marion Kauffman Foundation	1	\$35,800
UT COE	1	\$80,000
<i>Total</i>	2	\$115,800

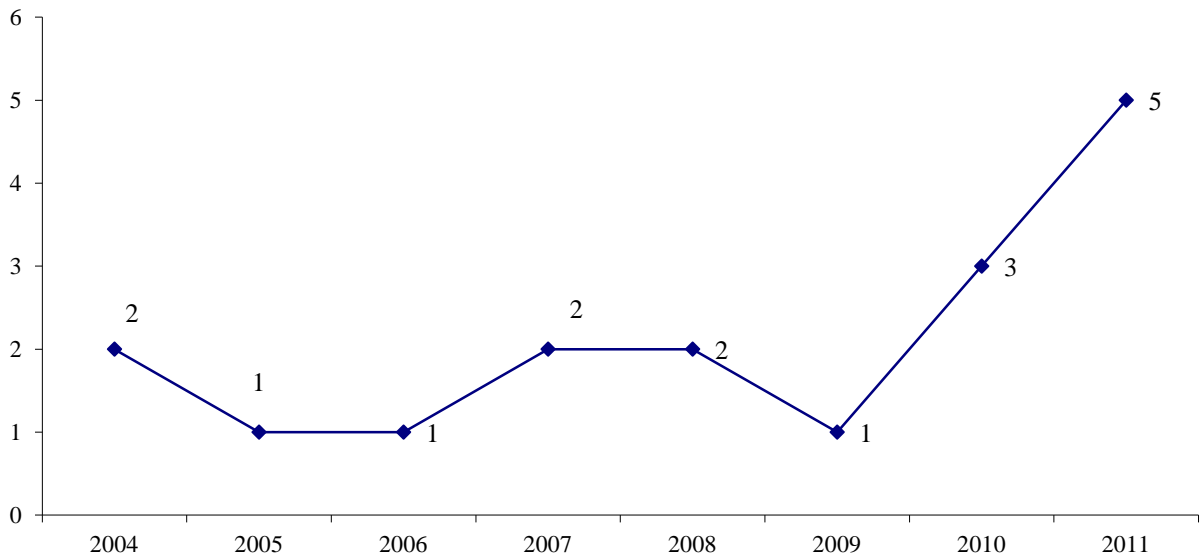


# College of Nursing

# Summary of Sponsored Research (Grants & Contracts)

Department	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Nursing	2	5	3	\$9,250
<i>TOTALS</i>	2	5	3	\$9,250

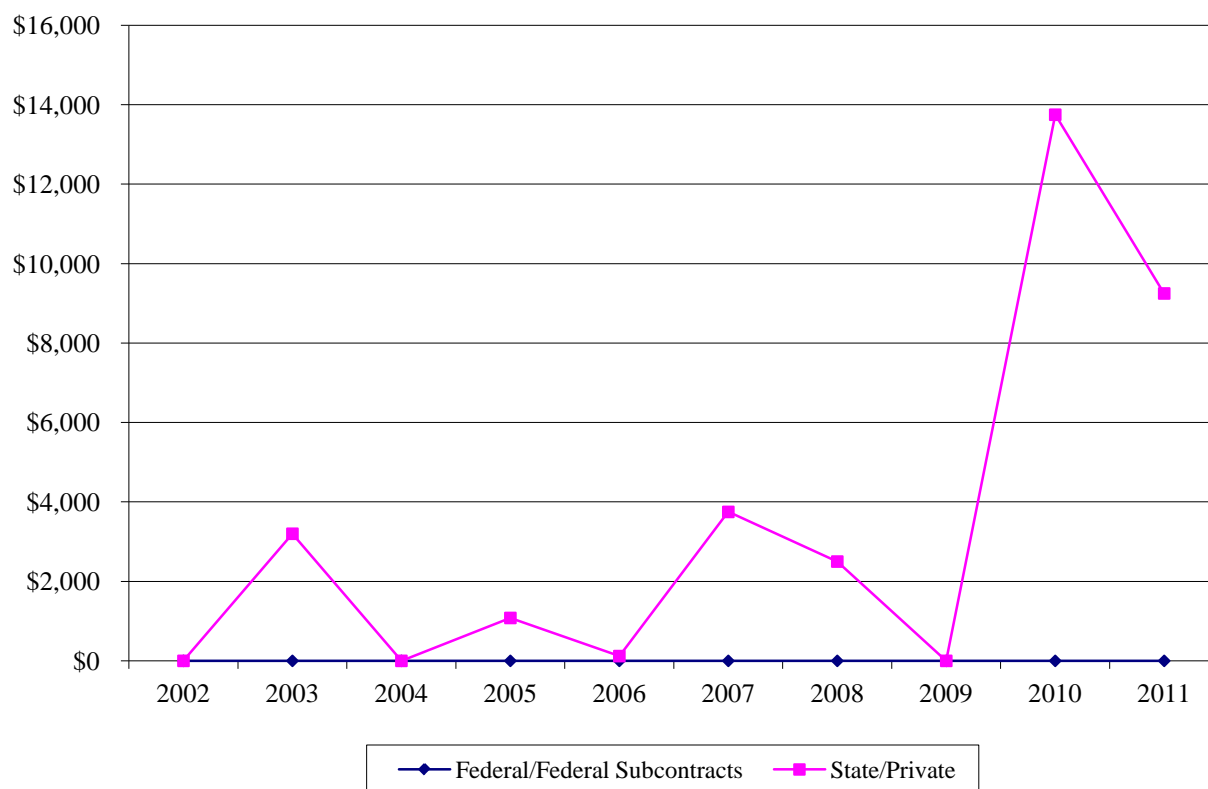
## Proposal Submission Activity





# External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2002	\$0	\$0	\$0
2003	\$0	\$3,200	\$3,200
2004	\$0	\$0	\$0
2005	\$0	\$1,080	\$1,080
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



# Nursing 2011 Awards

<u>PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Beg. Date</u>	<u>End Date</u>	<u>Amount</u>	<u>Type</u>
<i>Nursing</i>						
Callister, Lynn	AWHONN(March of Dimes)	Post Partum Depression and Help Seeking Behaviors in Hispanic Women	5/1/2010	5/31/2012	\$750	4
Maughan, Erin	National Association of School Nurses	Prioritizing School Nursing Outcomes: Delphi Study	6/15/2011	7/15/2012	\$5,000	4
Ravert, Patricia	National League for Nursing	State of the Nursing Science: A Review of the Jeffries/National League for Nursing Simulation Framework	9/23/2011	9/22/2012	\$3,500	4

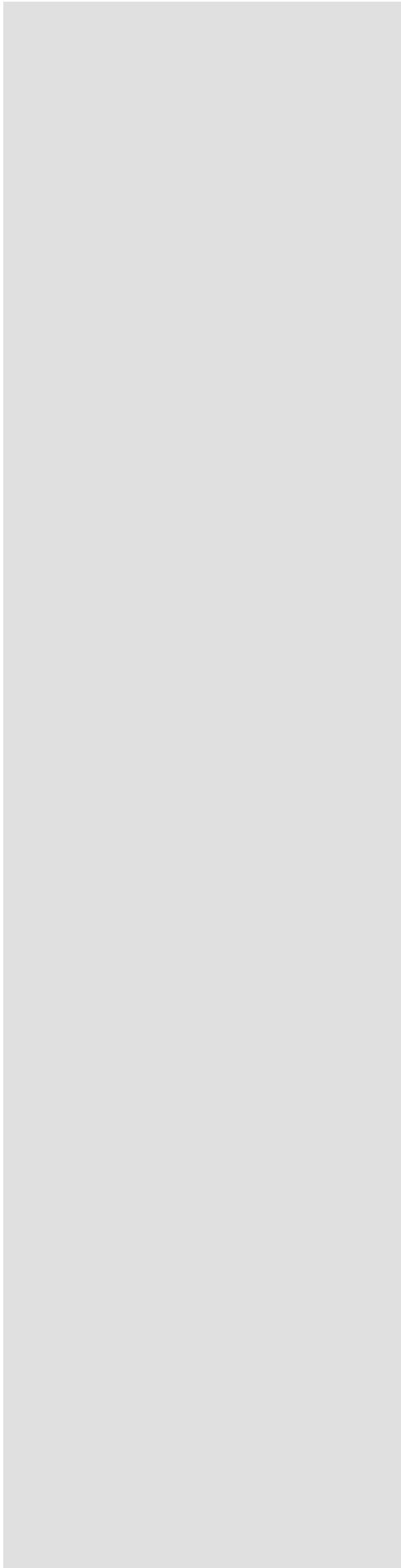
Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private

Department Totals		
Nursing		\$9,250
<b>College Total:</b>		\$9,250

# Nursing

## Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>Number Awarded</b>	<b>Total Amount</b>
<b>Federal</b>		
None		
	<i>Total</i>	_____
<b>Subcontracts</b>		
None		
	<i>Total</i>	_____
<b>State</b>		
None		
	<i>Total</i>	_____
<b>Private</b>		
AWHONN	1	\$750
National Association of School Nurses	1	\$5,000
National League for Nursing	1	\$3,500
	<i>Total</i>	\$9,250

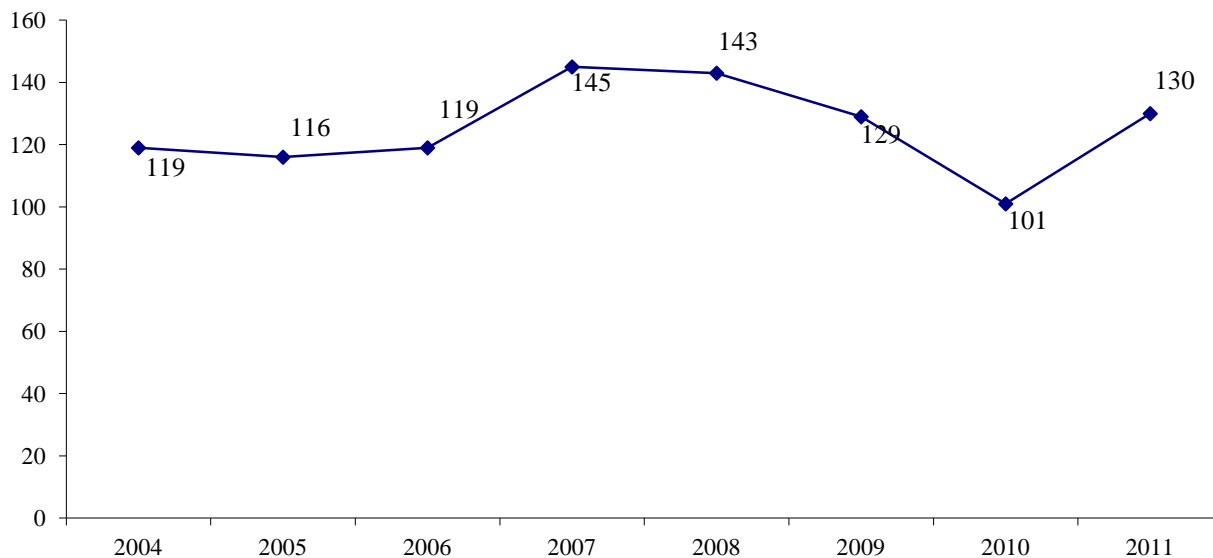


# College of Physical & Mathematical Sciences

# Summary of Sponsored Research (Grants & Contracts)

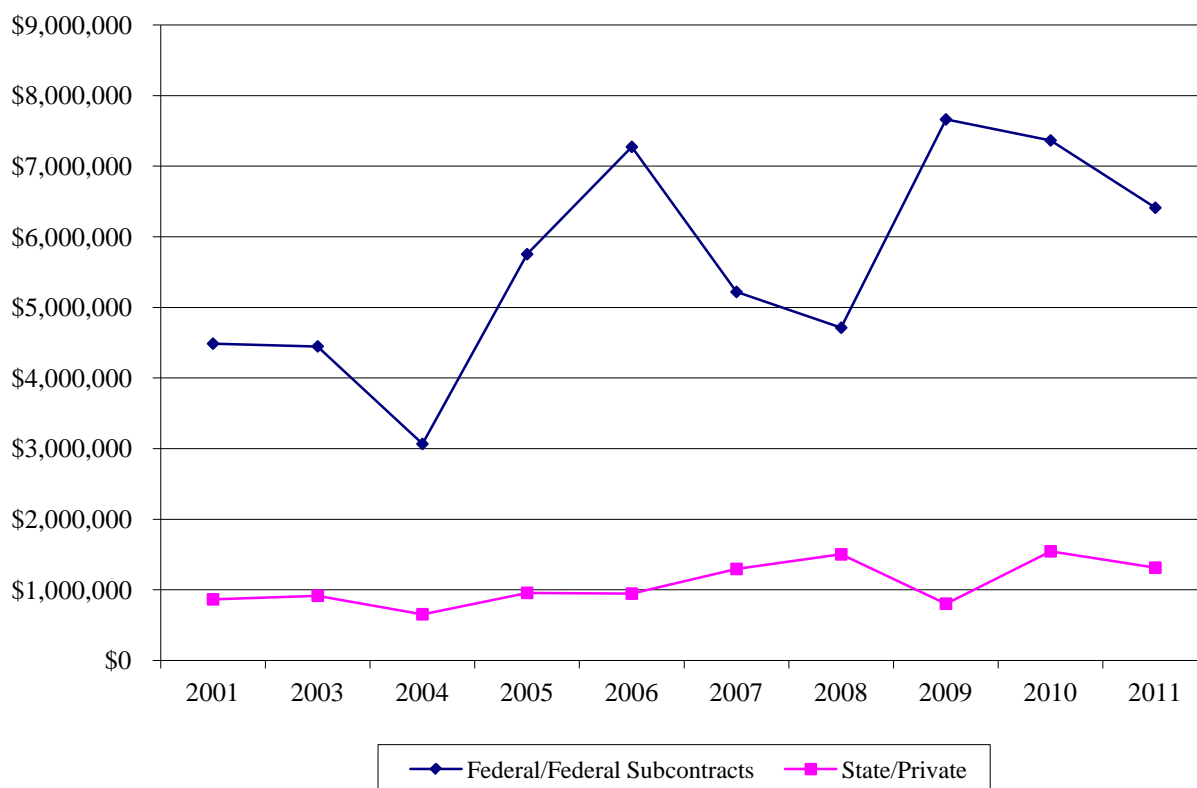
Department	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Chemistry & Biochemistry	23	38	39	\$4,568,886
Computer Science	17	22	16	\$653,632
Earth Science Museum	0	0	1	\$1,762
Geology	7	10	15	\$398,627
Mathematics	18	32	5	\$106,010
Mathematics Education	3	2	1	\$39,831
Physics & Astronomy	21	24	23	\$1,651,062
Statistics	3	2	1	\$303,480
<b>TOTALS</b>	<b>92</b>	<b>130</b>	<b>101</b>	<b>\$7,723,290</b>

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2002	\$3,368,967	\$547,133	\$3,916,100
2003	\$4,447,192	\$915,462	\$5,362,654
2004	\$3,065,799	\$653,585	\$3,719,384
2005	\$5,752,653	\$956,651	\$6,709,304
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



# Physical & Mathematical Sciences 2011 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>
<b>Chemistry &amp; Biochemistry</b>								
Austin, Daniel		NASA	Coaxial Ion Trap: Microfabricated Mass Spectrometer For Planetary Exploration	5/5/2010	5/4/2014	R0162009	\$76,823	1
Austin, Daniel		NASA	NASAPlanetary Protection Program: Impact and Shock Survivability of Microorganisms	8/25/2010	8/24/2011	R0162011	\$45,426	1
Austin, Daniel		NASA	Coaxial Ion Trap: Microfabricated Mass Spectrometer For Planetary Exploration	5/5/2010	5/4/2014	R0162009	\$100,592	1
Bates, Emily		American Headache Society	Finding the Molecular Mechanism of Casein Kinase I Delta Mediated Migraine	7/1/2011	6/30/2012	R0502132	\$10,000	4
Burton, Greg		Institute of Arthritis Research	A Novel Immunomodulating Drug Candidate to Prevent Transplantation Rejection	6/1/2011	12/1/2011	R0502142	\$15,000	4
Ess, Daniel		ACS Petroleum Research Fund	Quantum Mechanical Investigation of Fundamental Concepts in Hydrocarbon C-H Bond	9/1/2011	8/31/2013	R0502141	\$100,000	4
Farnsworth, Paul		DOE	Ion Production and Transport in Atmospheric Pressure Ion Source Mass Spectrometers	2/1/2011	1/31/2012	R0122003	\$140,000	1
Hansen, Jaron		So Cal Edison	Identification of Sources of PM 2.5 in Utah County, Utah using Semicontinuous Monitoring	2/2/2011	9/30/2012	R0602319	\$20,000	4
Hansen, Jaron		Southern California Edison	A Field Monitoring System for the Semi-Continuous Direct Gas Chromatography-Mass Spectrometry	2/2/2011	9/30/2012	R0602319	\$35,870	4
Harrison, Roger	w/ Lamb, John	Thermofisher	Determination of PM2.5 Organic Markers	7/1/2011	6/30/2012	R0602198	\$20,250	4
Lamb, John		Thermofisher	Macrocycles Based Ion Chromatography	7/1/2011	6/30/2012	R0602198	\$20,250	4
Lee, Milton		Torion Technologies (DTRA)	Chemical & Biological Agent Detector	8/20/2003	4/30/2011	R0202080	\$25,860	2
Lee, Milton		Torion Technologies	DTRA Supplies & Travel	3/1/2004	4/30/2011	R0602103	\$3,000	4
Lee, Milton		Torion Technologies	Torion Technologies -- Supplies	5/1/2011	8/31/2011	R0602103	\$2,501	4
Lee, Milton		Torion Technologies	Torion Technologies--Salaries	5/1/2011	8/31/2011	R0202080	\$12,507	1
Lee, Milton		Torion Technologies	Supplies	9/1/2011	12/31/2011	R0602103	\$2,500	4
Lee, Milton		Torion Technologies	Student Research	9/1/2011	12/31/2011	R0202080	\$19,195	4
Linford, Matt		HZO Inc.	Optimization and Advancement of Hydrophobic Coating for	7/15/2010	12/31/2011	R0602328	\$75,000	4

Mobile Electronic Devices							
Linford, Matt	HZO Inc.	Optimization and Advancement of Hydrophobic Coating for Mobile Electronic Devices	7/15/2011	12/31/2011	R0602328	\$38,500	4
Linford, Matt	Yield Engineering	Characterization of Silane Modified Surfaces	1/1/2011	4/30/2011	R0602208	\$7,500	4
Linford, Matt	P2i	Advanced Nanocoatings	8/1/2011	7/31/2012	R0602362	\$105,000	4
Linford, Matt	US Synthetics	New Diamond Materials for Chromatography	1/1/2009	3/31/2012	R0602191	\$200,000	4
Patterson, James	AFSOR	Molecular Basis of Adhesion	12/1/2010	11/30/2011	R0202263	\$100,298	1
Savage, Paul	Sandia National Lab (DOE)	Synthesis & Characterization of Ceragenins	11/16/2010	9/21/2012	R0302375	\$99,900	2
Savage, Paul	N8 Medical	Royalty for research	5/12/2004	open	R0802005	\$25,000	4
Savage, Paul	CIBA	Optimization of CSA Structure for Incorporation into contact lenses and Prevention of Bacterial Growth`	8/24/2010	12/24/2011	R0602330	\$100,000	4
Savage, Paul	U of Chicago (NIH)	Th1/Th2 Glycolipid Adjuvants	4/1/2011	3/31/2012	R0302055	\$272,817	2
Savage, Paul	N8 Medical	Royalty and Materials Usage	5/12/2004	12/31/2011	R0802005	\$25,000	4
Savage, Paul	Various Sources	Development of DSA-13 Miranol Implant Coating	7/1/2011	6/30/2012	R0802026	\$20,000	3
Savage, Paul	Tech Transfer		open	open	R0802005	\$25,000	3
Savage, Paul	NIH	Development of Novel Antimicrobial Peptide Mimics to Provide Broad Spectrum Prevention Against and Therapeutic Treatment for Infection	9/1/2011	8/31/2012	R0102041	\$1,467,735	1
Savage, Paul	N8 Medical	Tech Transfer Royalties	open	open	R0802005	\$25,000	3
Savage, Paul	Sandia National Lab	Synthesis and Characterization of Ceragenins	10/1/2010	9/21/2012	R0302375	\$49,995	2
Watt, Richard	NASA	Encapsulationg Peroxide in Ferrition for Nanopropellant Applications	12/15/2010	12/14/2011	R0162012	\$200,000	1
Watt, Richard	Naval Air Warfare Ctr	Novel Lead Free Ballistic Modifiers for Improved, IM-Compliant Minimum Signature Propellants	6/20/2011	5/19/2012	R0202239	\$95,000	1
Willardson, Barry	NIH	Mechanisms of Assembly of Photoreceptor G Protein Complexes	4/1/2011	3/31/2012	R0102053	\$375,000	1
Woodfield, Brian	DOE	Energetics of Nanomaterials	8/15/2011	8/14/2013	R0202157	\$330,000	1
Woodfield, Brian	Friedrich-Schiller Universität Jena	Low Temperature Specific Heat Characterization of Inorganic Materials	12/1/2011	12/31/2012	R0802028	\$2,600	3
Woolley, Adam	NIH	Phase-Changing Sacrificial Layer Microfluidics for Enhanced Protein Analysis	4/1/2006	1/31/2012	R0102023	\$261,954	1
Woolley, Adam	NIH	Phase-Changing Sacrificial Layer Micrfluidics for Enhanced Protein Analysis	2/1/2011	1/31/2012	R0102023	\$17,813	1

**Computer Science**



Billings, Gordon		Google	Summer of Code Mentor Stipends	11/1/2011	12/31/2012	R0602370	\$6,000	4
Clement, Mark	w/Crandall, Keith	NSF	REU Supplement	1/3/2011	8/31/2012	R0112175	\$3,000	1
Goodrich, Michael		Alion(ARL)	Temporal Latency in Supervisory HRI	9/29/2010	9/28/2011	R0302376	\$50,000	2
Goodrich, Michael		U of Central Florida (ARL)	Robotics CTA	7/1/2010	4/30/2011	R0302358	\$9,732	2
Goodrich, Michael		U of Central Florida (ARL)	Robotics - Dynamics of HR Military Teams & Organizations	7/1/2010	10/31/2011	R0302358	\$45,000	2
Goodrich, Michael		Carnegie Mellon (ONR)	Cognitively Compliant Command for Multi-Robot Teams	7/1/2009	5/31/2012	R0302319	\$140,991	2
Goodrich, Michael		U of Central Florida (ARL)	Robotics CTA	7/1/2010	4/30/2011	R0302358	\$18,000	2
Jones, Michael		NSF	Improving learning by deaf children in planetariums	9/1/2011	8/31/2014	R0112195	\$150,000	1
Knutson, Charles		Verizon Foundation	Internet Safety Project	10/1/2011	9/30/2012	R0502149	\$24,900	4
McCarthy, Jay	w/Jensen, Greg	NSF	BYU v-Cax Research Site for Center for e-Design I/UCRC	2/15/2011	1/31/2012	R0112181	\$13,750	1
McCarthy, Jay	w/Jensen, C. Greg	NSF	v-Cax IUCRC Center for e-Design	2/15/2011	1/31/2012	R0112181	\$4,000	1
Mercer, Eric		Semiconductor Rsrch Corp	Formal Analysis of Multicore Communication API's	8/1/2009	7/31/2012	R0602292	\$10,000	4
Morse, Bryan		NSF	REU Supplement - Wilderness Search & Rescue	4/13/2011	10/31/2012	R0112126	\$16,000	1
Morse, Bryan	w/ Beard, Randy	Mosaic (DOD)	Persistent Tactical Seeability Through Integrated Sensor Guidance	10/16/2009	7/21/2012	R0302315	\$24,085	2
Seamons, Kent	w/Jensen, Greg	NSF	BYU v-Cax Research Site for Center for e-Design I/UCRC	2/15/2011	1/31/2012	R0112181	\$13,749	1
Seamons, Kent	w/Jensen, C. Greg	NSF	v-Cax IUCRC Center for e-Design	2/15/2011	1/31/2012	R0112181	\$4,000	1
Ventura, Dan		NSF	International Conf on Computational Creativity:Broadening Partic	5/1/2011	4/30/2012	R0112187	\$20,000	1
Warnick, Sean		AirForce Research Lab	Analysis and Design of Complex Networked Environments	8/11/2011	8/12/2012	R0202343	\$100,425	1
<b>Earth Science Museum</b>								
Scheetz, Rod	w/Britt, Brook	National Park Service	Paleontological Excavation and Isotopic Dating of the Early Cretaceous Cedar Mountain Formation of Dinosaur National Monument	9/29/2008	4/28/2013	R0202258	\$1,762	1
<b>Geology</b>								
Bickmore, Barry		U of Oklahoma(NASA)	Pathways to Mars Analogue Hematite through Nanoparticle Aggreg	5/1/2011	4/30/2012	R0302396	\$10,732	2
Bickmore, Barry		U of Oklahoma(NASA)	Pathways to Mars Analogue Hematite through Nanoparticle Aggreg	5/1/2011	4/30/2012	R0302396	\$10,732	2

Britt, Brook		National Park Service	Paleontological Excavation and Isotopic Dating of the Early Cretaceous Cedar Mountain Formation of Dinosaur National Monument	9/29/2008	4/28/2013	R0202258	\$1,763	1
Christiansen, Eric	w/Kowallis, Bart J.	USGS	Geologic Mapping of the Birdseye 7 1/2 minute Quadrangle	7/1/2011	6/30/2012	R0202338	\$12,301	1
Dorais, Michael		NSF(Ocean Leadership)	Intergrated Ocean Drilling Program	12/14/2010	12/31/2011	R0302368	\$4,810	2
Dorais, Michael		Ocean Leadership(NSF)	Post Expedition Activity Proposal	12/14/2010	12/10/2014	R0302368	\$10,500	2
Harris, Ron		NSF	Collaborative Research: Australia Down Under - Continental Subd	5/9/2011	5/31/2012	R0112164	\$50,996	1
Kowallis, Bart		USGS	Geologic Mapping of the Birdseye 7 1/2 minute Quadrangle	7/1/2011	6/30/2012	R0202338	\$12,301	1
McBride, John		Illinois St Geo Svy(DOE)	Integrate Study of Geophysical Data	12/18/2007	4/30/2014	R0302254	\$42,446	2
McBride, John		DOE - Univ of Illinois	Evaluation of the carbon equestration potential of the Cambrio-Ordevoician Strata of the Illinois and Michigan basin	12/8/2009	12/7/2012	R0302335	\$34,680	2
Morris, Thomas		Utah Geological Survey	Delineation of the J1 Unconformity Using Bulk Chemistry Analysis	7/1/2011	6/29/2012	R0402184	\$17,198	3
Morris, Thomas		Utah Geological Survey	Reservoir Characterization of the Permian White Rim Sandstone	7/1/2011	6/29/2012	R0402185	\$24,705	3
Morris, Tom		USGS-EDMAP	Bedrock and Surficial Geologic Map of the Deer Point Quadrangle	8/15/2011	8/14/2012	R0202341	\$8,415	1
Radebaugh, Jani		NASA	Dunes on Titan: Dune Properties, Global Winds and Climate	10/1/2008	9/30/2011	R0162006	\$80,802	1
Rupper, Summer		NSF	Annual satellite era accumulation patterns over WAIS Divide	8/1/2010	7/31/2012	R0112172	\$71,946	1
Scheetz, Rod		Utah Dept Comm&Cultr	Lab Electrical Upgrade - Museum of Paleontology	7/1/2011	6/30/2012	R0402191	\$4,300	3
<b>Mathematics</b>								
Baker, Roger		NSA	Hooley's Exponential Sum: Primes in Arithmetic Progressions	3/31/2011	3/30/2012	R0202334	\$33,884	1
Glasgow, Scott	w/Ware, Michael	NSF	REU: Photoemissionby Large Electron Wave Packets	6/20/2011	6/30/2013	R0112162	\$1,666	1
Purcell, Jessica		Sloan Foundation	Sloan Fellowship	9/15/2011	9/15/2013	R0502135	\$50,000	4
Swensen, Eric L.		NSF(U. of Wisconsin)	2010 Workshops in Geometric Topology	6/1/2010	5/31/2011	R0302390	\$12,500	2
Swensen, Eric L.		NSF(U. of Wisconsin)	2010 Workshops in Geometric Topology	6/1/2011	5/31/2012	R0302391	\$960	2
Swenson, Eric		Simons Foundation	Group Boundary Dynamics	7/1/2011	8/31/2012	R0502143	\$7,000	4
<b>Mathematics Education</b>								
Corey, Douglas		NSF(via Harvard U.)	Improving Mathematical Knowledge for Teaching	9/1/2009	8/31/2012	R030211	\$39,831	2

**Physics & Astronomy**

Anderson, Brian		LANL (DOE)	Ultrasonic Transmission of Sound through Building Materials	10/1/2010	9/30/2011	R0302287	\$12,500	2
Bergeson, Scott		NSF	Dynamics of ultracold neutral plasmas in the first 100 ns	9/1/2010	8/31/2012	R0112173	\$120,000	1
Blotter, Jon	w/Gee, Kent	Blue Ridge Consult(NASA)	System for acquisition and analysis of energy-based acoustic data for rocket noise (Phase II)	6/30/2011	5/31/2013	R0302399	\$8,333	2
Colton, John S.		U of U (NASA))	Electrons in semiconductor quantum dots: spins and optics	7/6/2010	7/5/2012	R0302371	\$25,000	2
Davis, Robert		Moxtek	X-Ray windows and filters	1/1/2011	5/26/2011	R0602313	\$25,573	4
Davis, Robert		Moxtek	X-ray Windows	4/30/2011	9/30/2011	R0602313	\$24,773	4
Davis, Robert		Moxtek	X-Ray Windows and Filters	9/1/2011	1/31/2012	R0602313	\$37,669	4
Gee, Kent		Blue Ridge Consult(NASA)	System for acquisition and analysis of energy-based acoustic data for rocket noise (Phase II)	6/30/2011	5/31/2013	R0302399	\$8,334	2
Gee, Kent		Blue Ridge Rsch(NASA)	Energy-Based Acoustic Measurement System for Rocket Noise	6/30/2011	5/31/2013	R0302399	\$33,000	2
Gee, Kent	w/Sommerfeldt, Scott	NSF	A New Minimization Quantity for Global Active Structural/Acoustic Control	10/1/2011	9/30/2014	R0112196	\$114,016	1
Gee, Kent		ONR	Detailed Characterization of the near-field noise environment from a full-scale heate, supersonic jet	8/1/2011	7/31/2013	R0202349	\$20,000	1
Gee, Kent	w/Anderson, Brian	LANL (DOE)	Ultrasonic Transmission of Sound through Building Materials	10/1/2010	9/30/2011	R0302287	\$12,500	2
Hart, Gus		NSF	Materials World Network: Discovering Novel Alloys via a Combined Computational and Experimental Approach	10/1/2009	9/30/2012	R0112054	\$120,000	1
Hintz, Eric	w/Moody, J.W.	WAESO - ASU	Observing High-mass X-ray Binaries	6/1/2011	10/31/2011	R0302398	\$252	2
Hintz, Eric	w/Jones, Michael	NSF	Improving learning by deaf children in planetariums	9/1/2011	8/31/2014	R0112195	\$150,000	1
Hintz, Eric	w/Moody, J.W.	NSF	Principle Instrument Upgrade at the BYU West Mtn Observatory	6/1/2011	5/31/2012	R0112078	\$21,520	1
Hirschmann, Eric		NSF	Dynamics and Gravitational Wave Production of Neutron Stars	9/1/2010	8/31/2012	R0112177	\$60,000	1
Joner, M.D.	w/Moody, J.W.	WAESO - ASU	Observing High-mass X-ray Binaries	6/1/2011	10/31/2011	R0302398	\$252	2
Joner, M.D.	w/Moody, J.W.	NSF	Principle Instrument Upgrade at the BYU West Mtn Observatory	6/1/2011	5/31/2012	R0112078	\$21,520	1
Leishman, Tim	w/Sommerfeldt, Scott	Caterpillar, Inc.	Advanced acoustic modeling and experimental verification	3/1/2011	12/31/2011	R0602358	\$29,905	4
Migenes, Victor		NSF-WAESO ASU	MASER Physics: Studying the Kinematics of Different Astrophys Environments	9/1/2011	8/31/2012	R0302418	\$630	2
Moody, J. W.		WAESO - ASU	Observing High-mass X-ray Binaries	6/1/2011	10/31/2011	R0302398	\$252	2

Moody, J. Ward		NSF	Principle Instrument Upgrade at the BYU West Mtn Observatory	6/1/2011	5/31/2012	R0112078	\$21,520	1
Moody, J. Ward		NSF-WAESO ASU	Looking for Sudden Black Hole Flares with Rover Dynamics and	9/1/2011	8/31/2012	R0302417	\$756	2
Neilsen, David	w/Hirschmann, Eric	NSF	Gravitational Wave Production of Neutron Stars	9/1/2010	8/31/2012	R0112177	\$60,000	1
Neilsen, Tracianne	w/Gee, Kent	ONR	Detailed Characterization of the near-field noise environment from a full-scale heate, supersonic jet	8/1/2011	7/31/2013	R0202349	\$20,000	1
Peatross, Justin	w/Ware, Michael	NSF	REU: Photoemissionby Large Electron Wave Packets	6/20/2011	6/30/2013	R0112162	\$1,667	1
Rees, Lawrence		DOE	Development and testing neutron spectrometer	1/15/2011	1/14/2012	R0202298	\$99,750	1
Rees, Lawrence		U. Michigan(HomeL and)	New Detectors, Electronics and Algorithms for Fast Neutron Spectroscopy	9/1/2010	8/31/2011	R0302383	\$93,900	2
Rees, Lawrence		NSA	Develop & Test inexpensive capture-gated neutron spectrometer	1/15/2010	1/14/2013	R0202298	\$98,100	1
Sommerfeldt, Scott		Caterpillar, Inc.	Advanced acoustic modeling and experimental verification	3/1/2011	12/31/2011	R0602358	\$29,906	4
Sommerfeldt, Scott	w/Gee, Kent	Blue Ridge Consult(NASA)	System for acquisition and analysis of energy-based acoustic data for rocket noise (Phase II)	6/30/2011	5/31/2013	R0302399	\$8,333	2
Sommerfeldt, Scott		NSF	A New Minimization Quantity for Global Active Structural/Acoustic Control	10/1/2011	9/30/2014	R0112196	\$114,016	1
Spencer, Ross	w/ Turley, Steven	NSF	REU Site for Physics Research at BYU	5/1/2009	4/30/2012	R0112128	\$65,702	1
Turley, Steven		NSF	REU Site for Physics Research at BYU	5/1/2009	4/30/2012	R0112128	\$65,703	1
Vanfleet, Richard	w/Davis, Robert	Moxtek	X-Ray windows and filters	1/1/2011	5/26/2011	R0602313	\$25,572	4
Vanfleet, Richard	w/Davis Robert	Moxtek	X-ray Windows	4/30/2011	9/30/2011	R0602313	\$24,772	4
Vanfleet, Richard		Moxtek	Metrology - Project 8	8/29/2011	5/31/2012	R0602293	\$36,000	4
Vanfleet, Richard	w/Davis, Robert	Moxtek	X-Ray Windows and Filters	9/1/2011	1/31/2012	R0602313	\$37,669	4
Ware, Michael		NSF	REU: Photoemissionby Large Electron Wave Packets	6/20/2011	6/30/2013	R0112162	\$1,667	1
<b>Statistics</b>								
Johnson, Evan		NIH	Statistical Tools and methods for next generation sequencing in eqpigenomics	3/1/2011	2/29/2012	R0102051	\$303,480	1

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

Department Totals	
Chemistry & Biochemistry	\$4,568,886
Computer Science	\$653,632
Earth Science Museum	\$1,762
Geology	\$398,627
Mathematics	\$106,010
Mathematics Education	\$39,831
Physics & Astronomy	\$1,651,062
Statistics	\$303,480
<b><i>College Total:</i></b>	<u>\$7,723,290</u>

# Physical & Mathematical Sciences

## Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>No. Awarded</b>	<b>Amount</b>
<b>Federal Sponsors</b>		
AFOSR	1	\$100,298
AFRL	1	\$100,425
DOE	3	\$569,750
NASA	5	\$503,643
National Park Service	1	\$3,525
Naval Air Warfare Ctr	1	\$95,000
NIH	5	\$2,425,982
NSA	2	\$131,984
NSF	16	\$1,286,438
ONR	1	\$40,000
Torion	1	\$12,507
USGS	1	\$24,602
USGS-EDMAP	1	\$8,415
<i>Total</i>	39	\$5,302,569
<b>Federal Subcontract Sponsors</b>		
Alion (ARL)	1	\$50,000
Blue Ridge Consult (NASA)	1	\$25,000
Blue Ridge Research (NASA)	1	\$33,000
Carnegie Mellon (ONR)	1	\$140,991
Univ of Illinois (DOE)	1	\$34,680
Illinois St Geo Svy (DOE)	1	\$42,446
LANL (DOE)	2	\$25,000
Mosaic (DOD)	1	\$24,085
Ocean Leadership (NSF)	2	\$15,310
U. of Wisconsin (NSF)	1	\$13,460
Harvard (NSF)	1	\$39,831
NSF-WASESO ASU	1	\$1,386
Sandia National Lab	1	\$49,995
Sandia National Lab (DOE)	1	\$99,900
Torion Technologies (DTRA)	1	\$25,860
U of Central Florida (ARL)	3	\$72,732
U of Chicago (NIH)	1	\$272,817
U of Oklahoma (NASA)	2	\$21,464
U of U (NASA)	1	\$25,000
U. Michigan (Homeland)	1	\$93,900
WAESO (ASU)	3	\$756
<i>Total</i>	27	\$1,107,613
<b>State Sponsors</b>		
Friedrich-Schiller Universitat Jena	1	\$2,600
N8 Medical	1	\$25,000
Tech Transfer	1	\$25,000
Utah Dept Comm & Cultr	1	\$4,300
Utah Geological Survey	2	\$41,903

Various Sources	1	\$20,000
<i>Total</i>	7	\$118,803

**Private Sponsors**

ACS Petroleum Research Fund	1	\$100,000
American Headache Society	1	\$10,000
Caterpillar, Inc.	1	\$59,811
CIBA	1	\$100,000
Google	1	\$6,000
HZO Inc.	2	\$113,500
Institute of Arthritis Research	1	\$15,000
Moxtek	4	\$212,028
N8 Medical	2	\$50,000
P2i	1	\$105,000
Semiconductor Research Corp	1	\$10,000
Simons Foundation	1	\$7,000
Sloan Foundation	1	\$50,000
So Cal Edison	1	\$55,870
ThermoFisher	1	\$40,500
Torion Technologies	4	\$27,196
US Synthetics	1	\$200,000
Verizon Foundation	1	\$24,900
Yield Engineering Systems, Inc.	1	\$7,500
<i>Total</i>	28	\$1,194,305



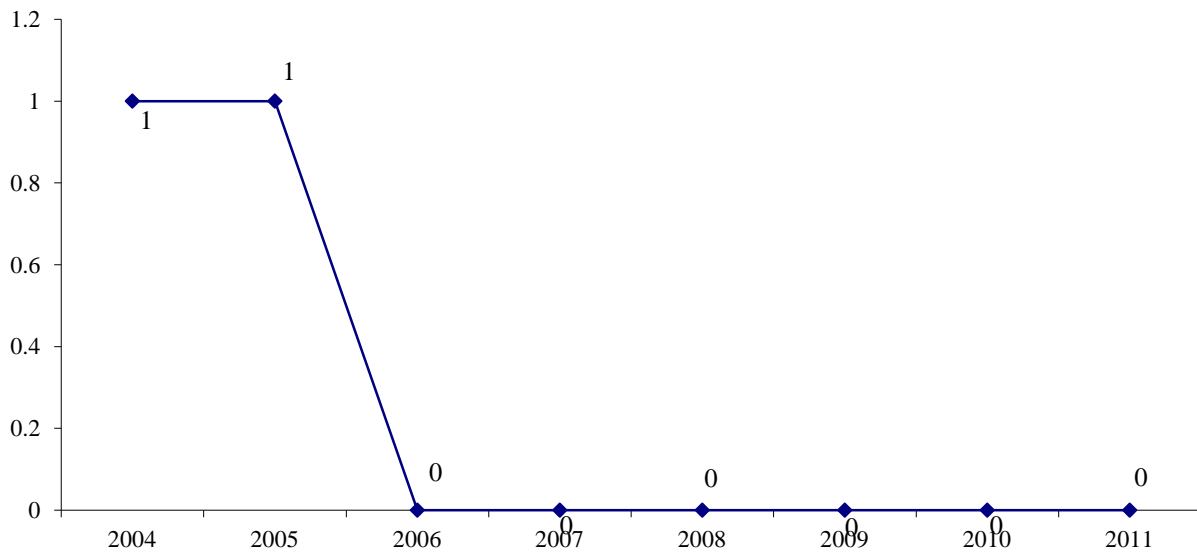
# Religious Education



# Summary of Sponsored Research (Grants & Contracts)

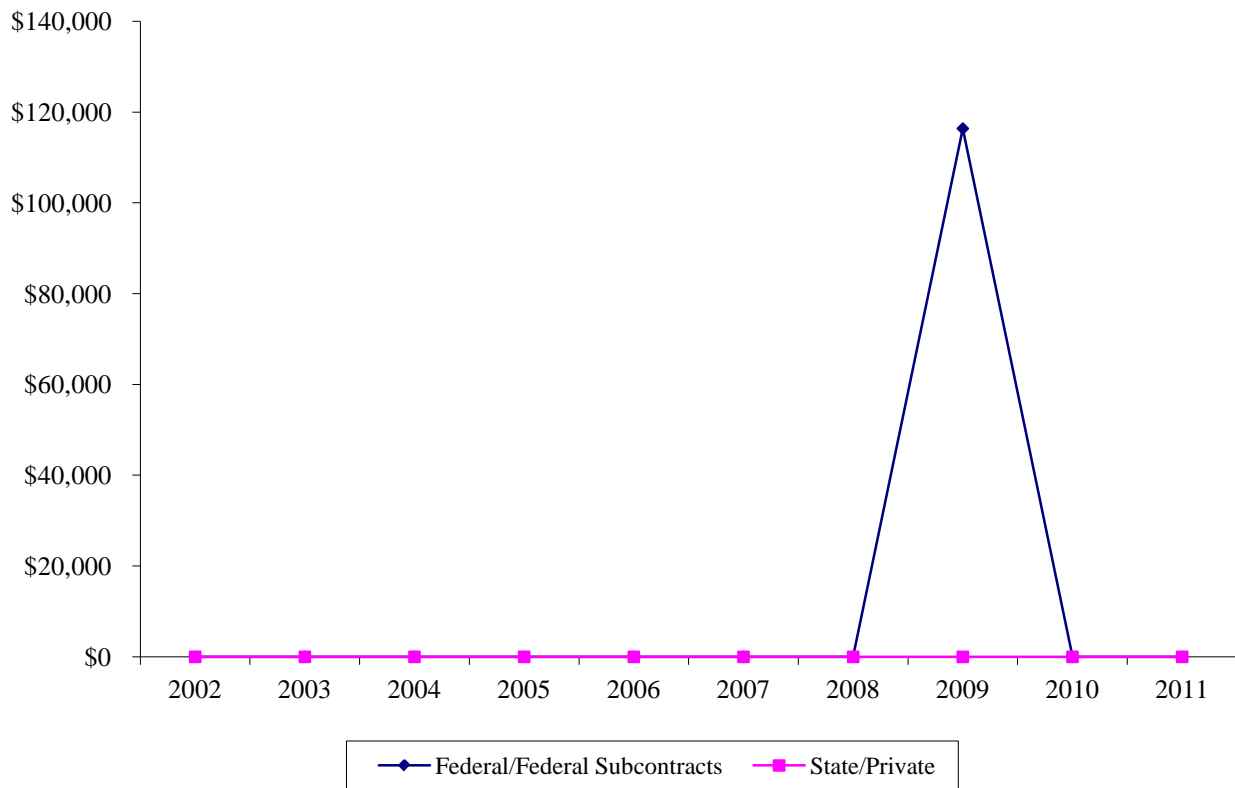
Department	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Ancient Scripture	0	0	0	\$0
Church History & Doctrine	0	0	0	\$0
<i>TOTALS</i>	0	0	0	\$0

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2002	\$0	\$0	\$0
2003	\$0	\$0	\$0
2004	\$0	\$0	\$0
2005	\$0	\$0	\$0
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



# Religious Education 2011 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Beg Date</u>	<u>End Date</u>	<u>Amount</u>	<u>Type</u>
<i>Ancient Scripture</i>							

Department Totals  
Ancient Scripture  
**College Total:**

\$0  

---

\$0

# Religious Education

## Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>Number Awarded</b>	<b>Total Amount</b>
<b>Federal</b>		
None		
	<i>Total</i>	
<b>Subcontracts</b>		
None		
	<i>Total</i>	
<b>State</b>		
None		
	<i>Total</i>	
<b>Private</b>		
None		
	<i>Total</i>	

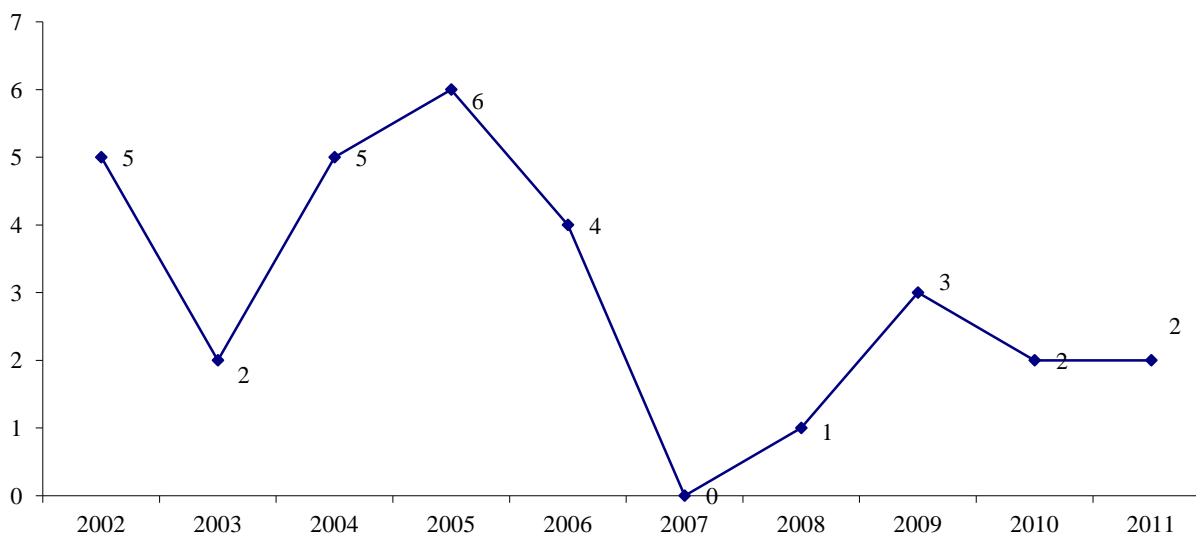


# Non-College Units

# Summary of Sponsored Research (Grants & Contracts)

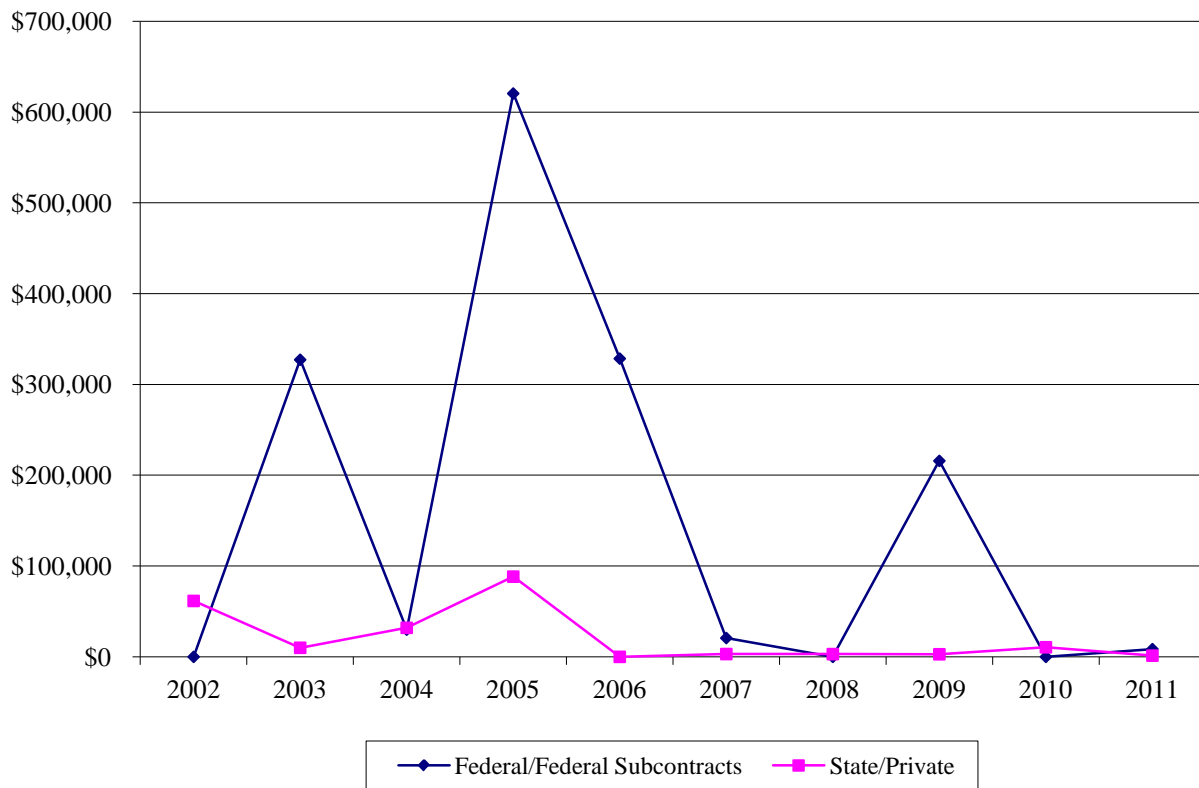
Department	# of Proposals Submitted	# of Awards	Dollars Awarded
Academic Internship	0	0	\$0
Admissions & Records	0	0	\$0
Associate Academic Vice President	0	0	\$0
Campus Life	1	1	\$2,500
Center for Instructional Design	0	0	\$0
Center for Service and Learning	0	0	\$0
Church Educational System	0	0	\$0
Faculty Center	0	0	\$0
General Education & Honors	0	0	\$0
Harold B. Lee Library	1	1	\$6,000
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	4	\$1,335
Technology Transfer	0	0	\$0
University Accessibility Center	0	0	\$0
University Computing Services	0	0	\$0
<b>TOTALS</b>	<b>2</b>	<b>7</b>	<b>\$9,835</b>

## Proposals Submitted



# External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2002	\$0	\$61,600	\$61,600
2003	\$327,250	\$10,000	\$337,250
2004	\$30,000	\$32,000	\$62,000
2005	\$620,500	\$88,350	\$708,850
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



# Non-College Units 2011 Awards

<u>PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Beg. Date</u>	<u>End Date</u>	<u>Amount</u>	<u>Type</u>
<i>Campus Life</i>						
Green, Janine	Utah Commission on Volunteerism (Fed \$)	AmeriCorp	8/15/2011	8/14/2012	\$2,500	2
Erickson, Chris	NEH	Digital Preservation Management Workshop	2/1/2011	7/31/2011	\$6,000	1
Garrett, Sandra	Lost Paws	Pre-vet Preceptorship	1/11/2011	9/30/2013	\$550	4
Garrett, Sandra	Lost Paws	Pre-vet Preceptorship	1/1/2008	9/30/2013	\$55	4
Garrett, Sandra	Lost Paws	Pre-vet Preceptorship	1/1/2011	9/30/2013	\$200	4
Garrett, Sandra	Lost Paws	Pre-vet Preceptorship	1/1/2007	9/3/2013	\$530	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	\$2,500
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	\$6,000
Information Technology Services	\$0
Neal A. Maxwell Institute for Religious Scholarship	\$0
Office of Research and Creative Activities	\$1,335
Jacobsen Center	\$0
Media Services	\$0
Technology Transfer	\$0
University Accessibility Center	\$0
University Computing Services	\$0
<b>College Total:</b>	<b>\$9,835</b>



# Non-College Units

## Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>Number Awarded</b>	<b>Total Amount</b>
<b>Federal</b>		
NEH	1	\$6,000
<i>Total</i>	1	\$6,000
<b>Subcontracts</b>		
Utah Commission on Volunteerism (Fed \$)	1	\$2,500
<i>Total</i>	1	\$2,500
<b>State</b>		
None		
<i>Total</i>		
<b>Private</b>		
Lost Paws	4	\$1,335
<i>Total</i>	4	\$1,335



# 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.<sup>1</sup> 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 2009 through December 2009 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 2008 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.

---

<sup>1</sup> 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 2011 are summarized by the following table.

## IRB Protocol Activity 2011

College	New Protocols
McKay School of Education	79
Fulton College of Engineering & Technology	10
Fine Arts & Communications	12
Family Home & Social Sciences	136
Humanities	60
LSCI	71
LAW	1
Marriott School of Management	56
Nursing	17
Physical & Mathematical Sciences	25
Religious Education	5
Non-College Units	22
<i>TOTALS</i>	494

There were also approximately 400 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 2011 are summarized by the following table.

## IACUC Protocol Activity 2011

College	New Approvals	Continuing	Pending
E&T	0	0	0
FHSS	0	2	0
LSCI	24	49	0
P&MS	0	1	0
ORCA	1	0	0
<b>TOTALS</b>	25	52	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 two new projects reviewed by the BioSafety Committee during the 2011 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><b>Year</b></i>	<i><b>Recipient</b></i>
2011	Scott Sommerfeldt
2010	Barry Willardson
2009	Keith Crandall
2008	Paul Savage
2007	William Pitt

## ***Intellectual Properties***

<i><b>Year</b></i>	<i><b>Recipient</b></i>
2011	Daniel Simmons
2010	Kent Seamons
2009	Barry M. Lunt and Matthew R. Linford
2008	Lynn V. Ogden
2007	Scott D. Sommerfeldt



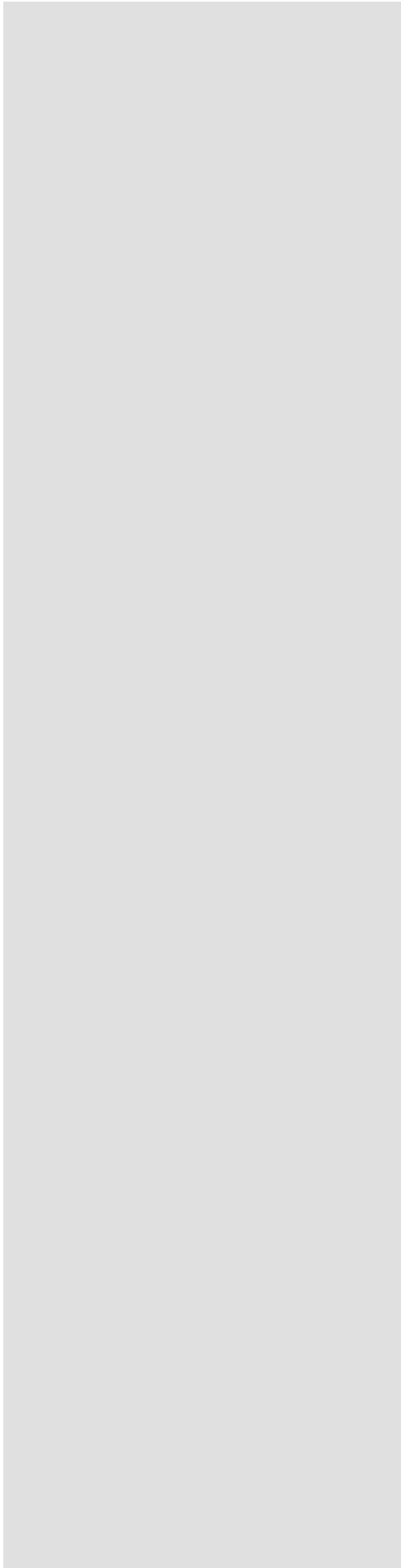
# 2011 Mentoring Environment Grant Recipients

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>
Brian Mazzeo	CEEn	E&T
Spencer Guthrie	CEEn	E&T
Aaron Hawkins	ECEn	E&T
Stephen Schultz	ECEn	E&T
Steven Charles	ME	E&T
Tadd Truscott	ME	E&T
Geoffrey Wright	TECH	E&T
Richard West	TECH	E&T
Geoffrey Wright	IP&T	EDUC
Jay McCarthy	IP&T	EDUC
Keith Leatham	IP&T	EDUC
Peter Rich	IP&T	EDUC
Richard West	IP&T	EDUC
Erika Feinauer	TED	EDUC
Edward Carter	COMM	FA&C
Quint Randle	COMM	FA&C
Darrell Babidge	MUSC	FA&C
Cynthia Finlayson	ANTHRO	FHSS
Jay Goodliffe	POLISCI	FHSS
Jessica Preece	POLISCI	FHSS
Michael Findley	POLISCI	FHSS
Brock Kirwan	PSYCH	FHSS
James Higley	PSYCH	FHSS
Julianne Holt-Lunstad	PSYCH	FHSS
Mikle South	PSYCH	FHSS
Scott Steffensen	PSYCH	FHSS
Benjamin Gibbs	SOC	FHSS

Stephen Bahr	SOC	FHSS
Nicholas Mason	ENG	HUM
Paul Westover	ENG	HUM
Michelle James	G&SL	HUM
Robert McFarland	G&SL	HUM
Dan Dewey	LING	HUM
Jennifer Bown	LING	HUM
Patrick Steffen	LING	HUM
Robert Belnap	LING	HUM
Rob Martinsen	S&P	HUM
Scott Alvord	S&P	HUM
Cole Durham	LAW	LAW
Robert Smith	LAW	LAW
Connie Lamb	LIB	LIB
Mark Grover	LIB	LIB
Duke Rogers	BIO	LSCI
Jack W Sites	BIO	LSCI
Jerald Johnson	BIO	LSCI
John Kauwe	BIO	LSCI
Keith Crandall	BIO	LSCI
Mark Belk	BIO	LSCI
Michael Whiting	BIO	LSCI
Richard Gill	BIO	LSCI
Bruce Bailey	ES	LSCI
Bruce Bailey	ES	LSCI
James LeCheminant	ES	LSCI
Brian Poole	M&MB	LSCI
David Erickson	M&MB	LSCI
Eric Wilson	M&MB	LSCI
Julianne Grose	M&MB	LSCI
Kim O'Neill	M&MB	LSCI
Laura Bridgewater	M&MB	LSCI
Richard Robison	M&MB	LSCI
Steven Johnson	M&MB	LSCI
Frost Steele	ND&FS	LSCI
Michael Dunn	ND&FS	LSCI
Brian Mazzeo	P&DB	LSCI

David Busath	P&DB	LSCI
David Thomson	P&DB	LSCI
John Bell	P&DB	LSCI
Michael Stark	P&DB	LSCI
Steven Herron	P&DB	LSCI
Bryan Hopkins	P&WS	LSCI
Craig Coleman	P&WS	LSCI
Steven Petersen	P&WS	LSCI
Curtis LeBaron	OL&S	MSM
Stacy Taniguchi	RMYL	MSM
Steven Hite	RMYL	MSM
Barbara Mandleco	NURS	NURS
Cheryl Corbett	NURS	NURS
Donna Freeborn	NURS	NURS
Jane Lassetter	NURS	NURS
Leslie Miles	NURS	NURS
Sheri Palmer	NURS	NURS
Allen Buskirk	CHMBIO	P&MS
Paul B. Savage	CHMBIO	P&MS
Paul Farnsworth	CHMBIO	P&MS
Bonnie Brinton	CS	P&MS
Bryan Morse	CS	P&MS
Eric Mercer	CS	P&MS
Martin Fujiki	CS	P&MS
Barry Bickmore	GEOL	P&MS
Jeffrey Humpherys	GEOL	P&MS
John McBride	GEOL	P&MS
Summer Rupper	GEOL	P&MS
Darrin Doud	MATH	P&MS
David Cardon	MATH	P&MS
Pace Nielsen	MATH	P&MS
Paul Jenkins	MATH	P&MS
David Allred	P&A	P&MS
Richard Vanfleet	P&A	P&MS
Robert Davis	P&A	P&MS
Shane Reese	STATS	P&MS
Lincoln Blumell	AS	REL
Roger P. Minert	CH&D	REL



# Student Recognition

# 2011 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>).

<b><u>Department</u></b>	<b><u>Faculty Mentor</u></b>	<b><u>Student</u></b>
Accountancy, School of	Ted Christensen	Artem Davletshin
Ancient Scripture	Lincoln Blumell	Joseph Antley
Ancient Scripture	Thomas Wayment	Alan Taylor Farnes
Ancient Scripture	Thomas Wayment	Erik Yingling
Anthropology	Charles Nuckolls	Amy Drake
Anthropology	Charles Nuckolls	Hailey King
Anthropology	Charles Nuckolls	Kelly Hacker
Anthropology	Paul Stavast	Alexa Hysi
Biology	Beverly Roeder	Jesse Ford
Biology	Beverly Roeder	Nalani Yamada
Biology	Byron Adams	Mac Martin
Biology	Jack Sites	Douglass Brown
Biology	Jack Sites	Nathan Hanna
Biology	Jack Sites	Rachel Arendt
Biology	Jerald Johnson	Joseph Nelson
Biology	John Kauwe	David Patty
Biology	John Kauwe	David Peterson
Biology	John Kauwe	Grace Hawkins
Biology	John Kauwe	Matthew CableFabiszak
Biology	John Kauwe	Miles McKee
Biology	John Kauwe	Mo Lee
Biology	John Kauwe	Ryan Egbert
Biology	John Kauwe	Spencer Ewert
Biology	John Kauwe	Victoria Scott
Biology	Keith Crandall	Andres Mallipudi
Biology	Keith Crandall	Benjamin Haynes
Biology	Keith Crandall	Dohyup Kim
Biology	Keith Crandall	Ijesh Giri
Biology	Keith Crandall	Maren Ettinger
Biology	Michael Whiting	Jessica Jensen

Biology	Michael Whiting	Kelsy Johnson
Business Management	Nile Hatch	Colton Hicks
Business Management	Sterling Bone	Jowanza Joseph
Chemical Engineering	Morris Argyle	Trevor Slade
Chemical Engineering	Randy Lewis	Jeffrey Skidmore
Chemical Engineering	Randy Lewis	Spencer Bowen
Chemical Engineering	Vincent Wilding	Aaron Harrison
Chemical Engineering	William Pitt	David Williams
Chemical Engineering	William Pitt	Tara Pandey
Chemistry and Biochemistry	Allen Buskirk	Diana Valverde
Chemistry and Biochemistry	Allen Buskirk	Shankar Parajuli
Chemistry and Biochemistry	Daniel Austin	Sara Nielson
Chemistry and Biochemistry	Emily Bates	Brandon Gassaway
Chemistry and Biochemistry	Greg Burton	Matthew Greer
Chemistry and Biochemistry	Gregory Burton	Jared Huber
Chemistry and Biochemistry	Jaron Hansen	Marie Killian
Chemistry and Biochemistry	John Prince	Mackay Merrill
Chemistry and Biochemistry	Merritt Andrus	Chelsey Hancock
Chemistry and Biochemistry	Merritt Andrus	Eric Bready
Chemistry and Biochemistry	Merritt Andrus	Kayleen Thompson
Chemistry and Biochemistry	Paul Savage	Caleb Shumway
Chemistry and Biochemistry	Paul Savage	Tyler Olsen
Civil and Environmental Engineering	W. Spencer Guthrie	Eric Sumsion
Communication Disorders	David McPherson	Amanda Fujiki
Communication Disorders	David McPherson	Amy Ragsdale
Communication Disorders	Martin Fujiki	Lucy Brimhall
Communication Disorders	Shawn Nissen	Bryce Bristow
Communications	Jared Johnson	Benjamin Petersen
Communications	Kevin Kelly	Scott Stevens
Computer Science	Dan Ventura	Christopher Dalton
Computer Science	David Embley	Joseph Park
Computer Science	Sean Warnick	Julius Adebayo
Economics	C. Arden Pope	Nathan Law
Economics	Eric Eide	Jonathan Stevens
Economics	Eric Eide	Michael Barnett
Economics	Joseph Price	Corbin Miller
Economics	Richard Evans	Daniel Bennett
Education, School of	Ray Graham	Eyleen Liliana Garcia
Education, School of	Stefinee Pinnegar	Reyes
Electrical Engineering	Aaron Hawkins	Mindy Davis
		Meagan Bracken

Electrical Engineering	Aaron Hawkins	Micah Jenkins
Electrical Engineering	Brian Mazzeo	Paul Bartholomew
English	Brandie Siegfried	Averyl Dietering
English	Brian Roberts	Barret Lybbert
English	Gideon Burton	Kristen Cardon
English	Jon Ostenson	Justin Scholes
English	Leonard Tourney	Danielle Leavitt
Exercise Sciences	Ken Knight	Shawn Lewis
Family Life, School of	Laura Padilla-Walker	Gregory Nichols
French & Italian	Cinzia Noble	Danielle Gilley
French & Italian	Cinzia Noble	Matthew Hatch
French & Italian	Robert J. Hudson	Kristen Brown
Geography	Matthew Bekker	Kimball Hansen
Geography	Matthew Shumway	Teresa Gomez
Geography	Ryan Jensen	Carson Stam
Geology	Ronald Harris	Tsz man Lau
German & Slavic Languages	Hans- Wilhelm Kelling	Falk Kleinert
German & Slavic Languages	Hans-Wilhelm Kelling	Kasia Cook
German & Slavic Languages	Laura Catharine Smith	Emily Hall
German & Slavic Languages	Laura Catharine Smith	Zachary Duvall
German & Slavic Languages	Michelle James	Alexander Smith
German & Slavic Languages	Michelle James	Brandt Swensen
German & Slavic Languages	Michelle James	Christopher Taylor
German & Slavic Languages	Raissa Solovieva	James Pringle
German & Slavic Languages	Robert McFarland	Steven Meyer
German & Slavic Languages	Robert McFarland	Tyler Williams
Harold B. Lee Library	Kristi Bell	Jennifer Bruton
Harold B. Lee Library	Mark Pollei	Kylie Ladd
Harold B. Lee Library	Mark Pollei	Thomas Gappmayer
Harold B. Lee Library	Thomas Edlund	Patrick Monson
Health Science	Chad Swanson	Bryce Johnson
History	Aaron Skabelund	David McClure
History	Aaron Skabelund	Galina Chenina
History	Eric Dursteler	Devon Zimmerman
History	Paul Kerry	Christopher Hill
Humanities, Classic & Comparative Literature	Francesca Lawson	Leigh Hunsaker
Humanities, Classic & Comparative Literature	Polyxeni Strolonga	Randall Meister
Information Systems	Anthony Vance	Lee Wood
Information Systems	Vance Anthony	Kirk Ouimet
Information Technology	Chia-Chi Teng	Craig Treasure
Linguistics	Dan Dewey	Kendon Kurzer

Linguistics	Dan Dewey	Spencer Ring
Linguistics	Deryle Lonsdale	Matthew Winterton
Linguistics	Deryle Lonsdale	Nathan Glenn
Linguistics	Heather Willson	Marco Mora
Linguistics	Wendy Baker	Christian Wagner
Linguistics	Wendy Baker-Smemoe	Sarah Franklin
Linguistics	William Eggington	Alison Roberts
Math	Jeffrey Humphreys	Jeremiah Bejarano
Math	Paul Jenkins	Michael Griffin
Mechanical Engineering	Daniel Maynes	David Bilodeau
Mechanical Engineering	Daniel Maynes	Nathan Tulett
Mechanical Engineering	David Fullwood	Caroline Sorensen
Mechanical Engineering	David Fullwood	Samikshya Subedi
Mechanical Engineering	Larry Howell	Mark Fernelius
Mechanical Engineering	Matthew Jones	Brandon Decker
Mechanical Engineering	Scott Thomson	Michael Tree
Mechanical Engineering	Steven Charles	Jenny Pate
Mechanical Engineering	Steven Charles	Will Drake
Mechanical Engineering	Tadd Truscott	Jeff Hendricks
Mechanical Engineering	Tadd Truscott	Kenneth Langley
Mechanical Engineering	Tadd Truscott	Robert Klaus
Mechanical Engineering	Tadd Truscott	Taylor Killian
Microbiology and Molecular Biology	Bradford Berges	Christopher Koontz
Microbiology and Molecular Biology	Bradford Berges	Joel Gardner
Microbiology and Molecular Biology	Bradford Berges	Michael Hatch
Microbiology and Molecular Biology	Bradford Berges	Stephanie Carlson
Microbiology and Molecular Biology	Bradford Berges	Tyler Slater
Microbiology and Molecular Biology	Brent Nielsen	Ashley Wright
Microbiology and Molecular Biology	Brent Nielsen	Cynthia Perry
Microbiology and Molecular Biology	Brian Poole	Danny Catts
Microbiology and Molecular Biology	Brian Poole	Tyler Hedman
Microbiology and Molecular Biology	Eric Wilson	Kaitlyn Vance
Microbiology and Molecular Biology	Julianne Grose	Jordan Mackay
Microbiology and Molecular Biology	Julianne Grose	Serena Loeb
Microbiology and Molecular Biology	Julianne Grose	Kent Jarvis
Microbiology and Molecular Biology	Kim O'Neill	Daniel Sharp
Microbiology and Molecular Biology	Kim O'Neill	Taylor Abegg-Lawrence
Microbiology and Molecular Biology	Laura Bridgewater	Benjamin Fisher
Microbiology and Molecular Biology	Laura Bridgewater	Michael Baldwin
Microbiology and Molecular Biology	Richard Robison	Nathaniel Jensen



Microbiology and Molecular Biology	Sandra Burnett	Jordan Kitchen
Microbiology and Molecular Biology	Steven Johnson	Kellie Bollenbach
Music, School of	Arden Hopkin	David Coughanour
Music, School of	Douglas Bush	Jonathan Evans
Music, School of	Douglas Bush	Matthew Clayton
Music, School of	Jeremy Grimshaw	Gavin Ryan
Music, School of	Jeremy Grimshaw	Ryler Nielsen
Music, School of	Jerry L. Jaccard	Jacob Mudrick
Music, School of	Kory Katseanes	Robert Willes
Music, School of	Kurt Saville	Garrett Breeze
Music, School of	Ron Simpson	John Goodman
Music, School of	Steve Ricks	Todd Kitchen
Nursing	Ana C. Birkhead	Sarah Passey
Nursing	Barbara Heise	Kristen Painter
Nursing	Barbara Mandleco	Devaun Sheppard
Nursing	Barbara Mandleco	Shannon McOmber
Nursing	Beth Luthy	Amy Pulsipher
Nursing	Catherine Coverston	Heidi Newsome
Nursing	Donna Freeborn	Cristy Davis
Nursing	Jane Lassetter	Jaclyn Coleman
Nursing	Karen De la Cruz	Elizabeth Gubler
Nursing	Katreena Merrill	Arielle Muffler
Nursing	Lynn Callister	Maureen Goates
Nursing	Lynn Callister	Vadim Zhitnikov
Nursing	Patricia Ravert	Brandon Lewis
Nutrition, Dietetic & Food Science	Lynn Ogden	Eric Engstrom
Nutrition, Dietetic & Food Science	Lynn Ogden	Paul McMullan
Nutrition, Dietetic & Food Science	Merrill J. Christensen	Lauren Nielson
Nutrition, Dietetic & Food Science	Michael Dunn	Shintaro Pang
Nutrition, Dietetic & Food Science	Tory Parker	Kevin Lowder
Nutrition, Dietetic & Food Science	Tory Parker	Richard Low
Nutrition, Dietetic & Food Science	Tory Parker	Shannon Snyder
Organizational Leadership-Strategy	Curtis LeBaron	Lyndon Garrett
Organizational Leadership-Strategy	Katie Liljenquist	Weston Hadlock
Organizational Leadership-Strategy	Teppo Felin	James Carlson
Philosophy	Daniel Graham	Michael Hansen
Philosophy	David Paulsen	Benjamin Brown
Physics	Bret Hess	Timothy Hecht
Physics	Dallin Durfee	Jarom Jackson
Physics	David Allred	Adam Konneker
Physics	David Allred	David Landry

Physics	Eric Hintz	Kelsey Jorgenson
Physics	Kent Gee	Blaine Harker
Physics	Lawrence Rees	Adam Wallace
Physics	Robert Davis	Caleb Hustedt
Physiology and Developmental Biology	Allan Judd	Kimberly Dalton
Physiology and Developmental Biology	David Busath	Douglas Bretzing
Physiology and Developmental Biology	David Kooyman	Danielle Peterson
Physiology and Developmental Biology	David Kooyman	David Nolte
Physiology and Developmental Biology	Dixon Woodbury	David Lee
Physiology and Developmental Biology	Jeff Edwards	Andrew Wallmann
Physiology and Developmental Biology	Jeff Edwards	Ryan Williamson
Physiology and Developmental Biology	Jeffery Barrow	David Barnes
Physiology and Developmental Biology	Jeffery Barrow	Owen Owens
Physiology and Developmental Biology	Jeffrey Edwards	Jared Weed
Physiology and Developmental Biology	Jeffrey Edwards	Michael McNeil
Physiology and Developmental Biology	Marc Hansen	Braden Price
Physiology and Developmental Biology	Marc Hansen	Bradley Colton
Physiology and Developmental Biology	Paul Reynolds	Jason Porter
Physiology and Developmental Biology	Paul Reynolds	Megan Stogsdill
Physiology and Developmental Biology	Paul Reynolds	Tyler Earley
Physiology and Developmental Biology	Robert Seegmiller	David Holt
Physiology and Developmental Biology	Scott Steffensen	Cary Crall
Plant and Wildlife Sciences	Brad Geary	Jeremy Gneck
Plant and Wildlife Sciences	Bradley Geary	JanaLynn Franke
Plant and Wildlife Sciences	Bryan Hopkins	Tobin Story
Plant and Wildlife Sciences	Craig Coleman	Robert Nielsen
Plant and Wildlife Sciences	Peter Maughan	Scott Smith
Plant and Wildlife Sciences	Phil Allen	Heather Finch
Plant and Wildlife Sciences	Von Jolley	Curtis Ransom
Political Science	Christopher Karpowitz	Bradley Masters
Political Science	Daniel Nielson	Robert Morello
Political Science	Darren Hawkins	Nicholes Jones
Political Science	Darren Hawkins	Taylor Richards
Political Science	Jeremy Pope	John Holbein
Political Science	Jeremy Pope	Josephine Borich
Political Science	Jessica Preece	Yoshiki Matsunaga
Political Science	Joel Selway	Aaron Gifford
Political Science	Kirk Hawkins	Erin Wells
Political Science	Kirk Hawkins	Stephen Cranney
Political Science	Kirk Hawkins	Victoria Garcia
Political Science	Michael Findley	Daniel Walker

Political Science	Michael Findley	Zach Christensen
Political Science	Quin Monson	Matthew Frei
Political Science	Wade Jacoby	Paul Russell
Psychology and Developmental Biology	Betty Ashbaker	Rebecca Blair
Psychology and Developmental Biology	Brock Kirwan	Mark Henderson
Psychology and Developmental Biology	Brock Kirwan	Megan Oliver
Psychology and Developmental Biology	Brock Kirwan	Quentin Smith
Psychology and Developmental Biology	C Brock Kirwan	Marshall Roedel
Psychology and Developmental Biology	C. Brock Kirwan	J. Andrew Hartshorn
Psychology and Developmental Biology	Dawson Hedges	Nicholas Edwards
Psychology and Developmental Biology	Dawson Hedges	Parker Woody
Psychology and Developmental Biology	Dee Higley	Meagen Mace
Psychology and Developmental Biology	James D. Higley	Bobbi Sue Padro
Psychology and Developmental Biology	James Higley	Andrea Sorenson
Psychology and Developmental Biology	Julianne Holt-Lunstad	David Marsh
Psychology and Developmental Biology	Michael Larson	Ann Clawson
Psychology and Developmental Biology	Michael Larson	David Rackham
Psychology and Developmental Biology	Michael Larson	Kevin Voisin
Psychology and Developmental Biology	Michael Larson	Whitney Worsham
Psychology and Developmental Biology	Michael Larson	William Walker
Psychology and Developmental Biology	Mikle South	Megan Pixton
Psychology and Developmental Biology	Mikle South	Nathan Jamison
Psychology and Developmental Biology	Mikle South	Oliver Johnston
Psychology and Developmental Biology	Mikle South	Tiffani Newton
Psychology and Developmental Biology	Ramona Hopkins	James Price
Psychology and Developmental Biology	Ramona Hopkins	Tyler Nickle
Psychology and Developmental Biology	Scott Steffensen	Brett Larsen
Psychology and Developmental Biology	Scott Steffensen	Dallin Andersen
Psychology and Developmental Biology	Scott Steffensen	David Hedges
Psychology and Developmental Biology	Scott Steffensen	Poromendro Burman
Psychology and Developmental Biology	Scott Steffensen	Robert Cohoon
Religious Education	Dennis Wright	Caitlin Daniels
Religious Education	John Fluhman	Joseph Stuart
Religious Education	Ken Alford	Benjamin Reed
Religious Education	Mary Jane Woodger	Melissa Kotter
Religious Education	Richard Bennett	Jordan Bell
Sociology	Charlie Morgan	Keaton Robertson
Sociology	John Hoffmann	Elizabeth Warnick
Sociology	Mikaela Dufur	Jessica Thompson
Sociology	Renata Forste	John Whitney
Sociology	Stan Knapp	Robert Meldau

Statistics	Evan Johnson	Ariana Hedges
Statistics	Natalie Blades	Natalie Noel Ellison
Statistics	W. Evan Johnson	Kathleen Finlinson
Technology, School of	Brent Strong	Alexander Stiles
Technology, School of	Brian Capt	Matthew Butler
Technology, School of	Geoffrey Wright	Cameron Wilson
Theatre and Media Arts	Eric Samuelson	Graham Ward
Theatre and Media Arts	Jeff Parkin	David JonBanks
Theatre and Media Arts	Julia Ashworth	Anna Hargadon
Theatre and Media Arts	Kelly Loosli	John Herzog
Theatre and Media Arts	Mary Farahnakian	Mario Ayala
Theatre and Media Arts	Mary Farahnakian	Melissa DeGuire
Theatre and Media Arts	Thomas Lefler	Samuel Bilodeau
Theatre and Media Arts	Tom Lefler	Dusty Hulet
Visual Arts	Daniel Barney	Alyssa Grant
Visual Arts	Daniel Barney	Katie Jahner
Visual Arts	Fidalis Buehler	Ashley Braithwaite
Visual Arts	Fidalis Buehler	David Hawkins
Visual Arts	James Swensen	Christine Armbruster
Visual Arts	Joseph Ostraff	Sarah Theurer
Visual Arts	Linda Sullivan	Colt Bowden
Visual Arts	Mark Graham	Jason Harmon
Visual Arts	Martha Peacock	Courtney McWhorter
Visual Arts	Paul Adams	Ashlee Larsen
Visual Arts	Paul Adams	Sarah Alger
Visual Arts	Peter Everett	Bryan Hutchison
Visual Arts	Robert Barrett	Steven Waggoner
Visual Arts	Sunny Taylor	Hannah Wertz
Visual Arts	Von Allen	Anna Ferrin



# 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**

---

<b>Director:</b>	<b>Gary R. Reynolds</b>
<b>Associate Director:</b>	<b>Gene Larson</b>
<b>Research Administrator:</b>	<b>Debbie Silversmith</b>
<b>Research Administrator:</b>	<b>Sandee Munoz</b>
<b>Office Manager/Secretary:</b>	<b>Courtney Bulsiewicz</b>
<b>Part-time Secretaries:</b>	<b>Tyler Robertson, Lisa Roper</b>
<b>Web Site Administrator:</b>	<b>Steven Nevers</b>

---

## 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)