



2009  
Annual Report  
Of  
Sponsored Research

Office of  
Research and  
Creative Activities

Published by the  
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Brigham Young University

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# Preface

This report covers January 1, 2009 to December 31, 2009.

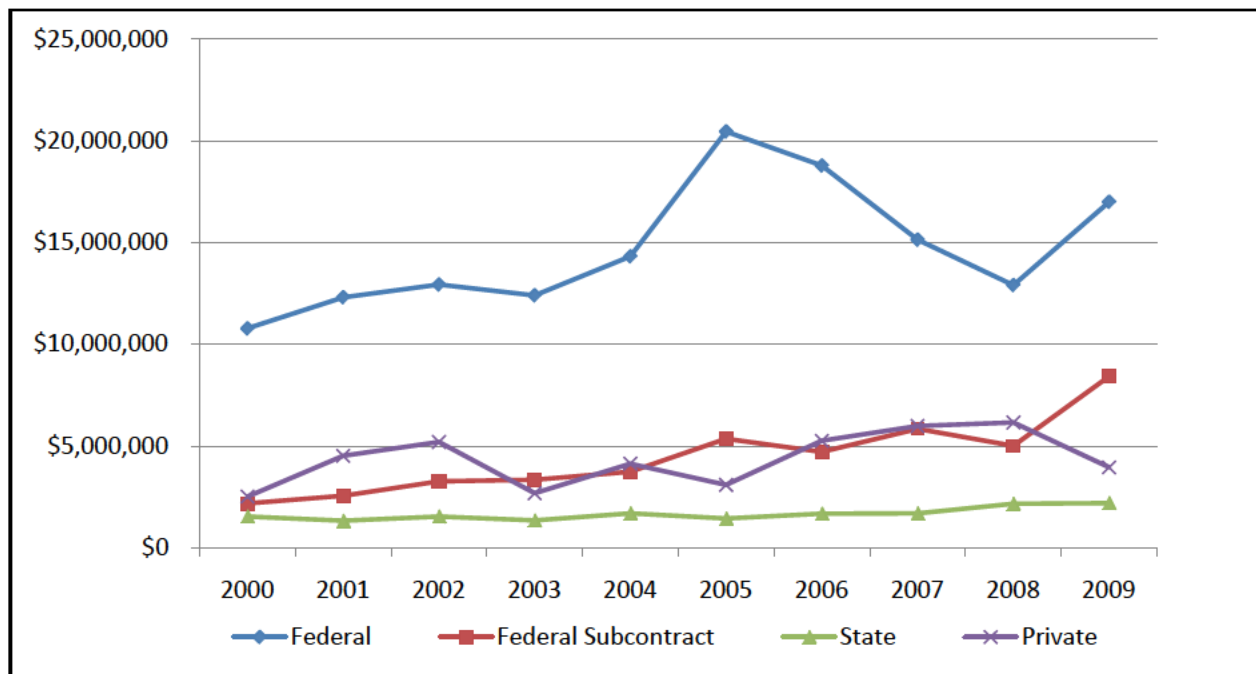
Included are a number of activities that are carried out by the Office of Research and Creative Activities (ORCA).

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

# The University

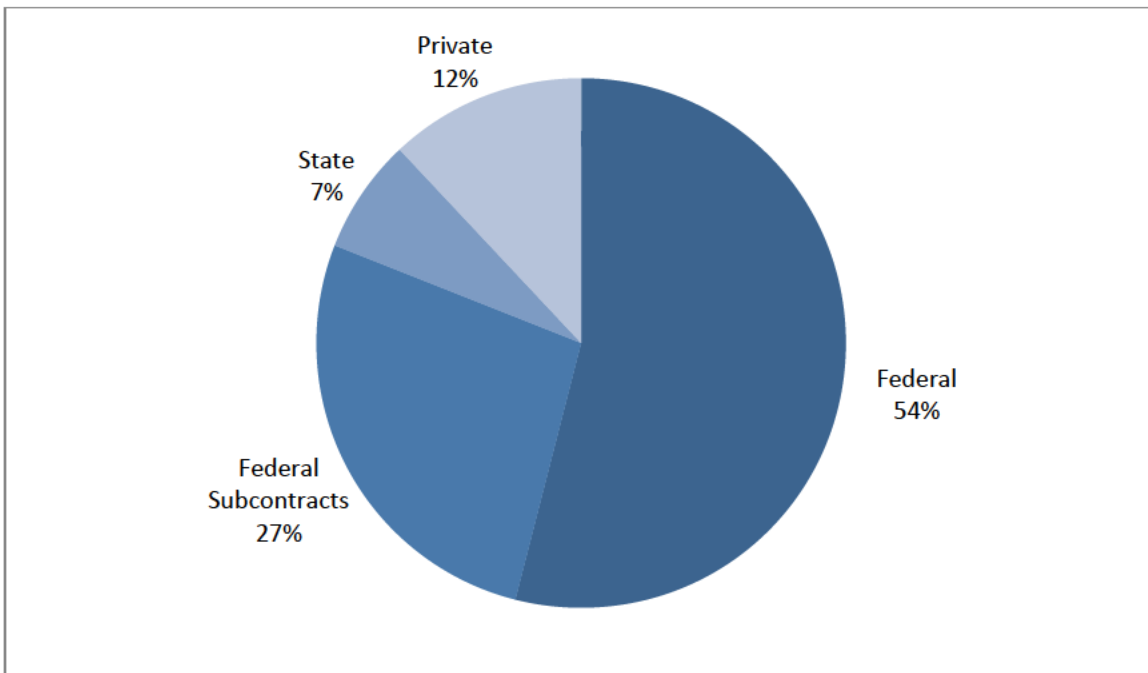
# External Research Funding

Grants/Contracts						
Year	Federal	Federal Subcontract	State	Private	Total	%Federal
2000	\$10,786,727	\$2,194,176	\$1,551,853	\$2,525,966	\$17,058,722	76%
2001	\$12,319,534	\$2,560,829	\$1,336,012	\$4,526,380	\$20,742,755	72%
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%



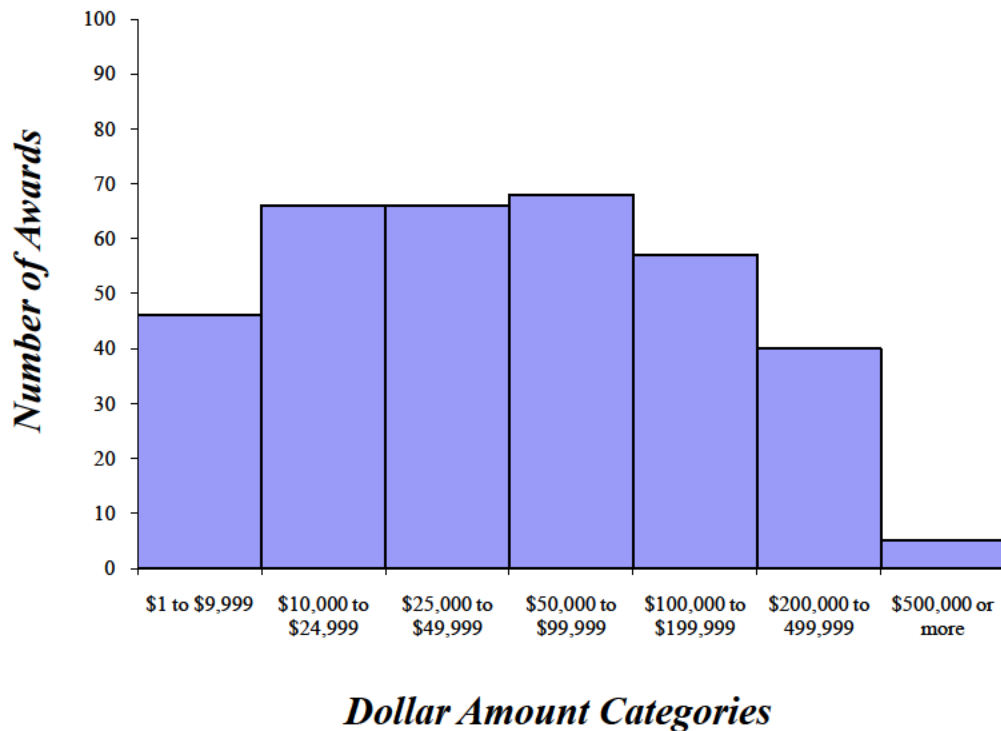
# External Funds by Source—2009

Source	Amount	% of Total
Federal	\$17,008,415	54%
Federal Subcontracts	\$8,428,238	27%
State	\$2,212,727	7%
Private	\$3,959,262	12%
<i>Total Funding</i>	\$31,608,642	100%

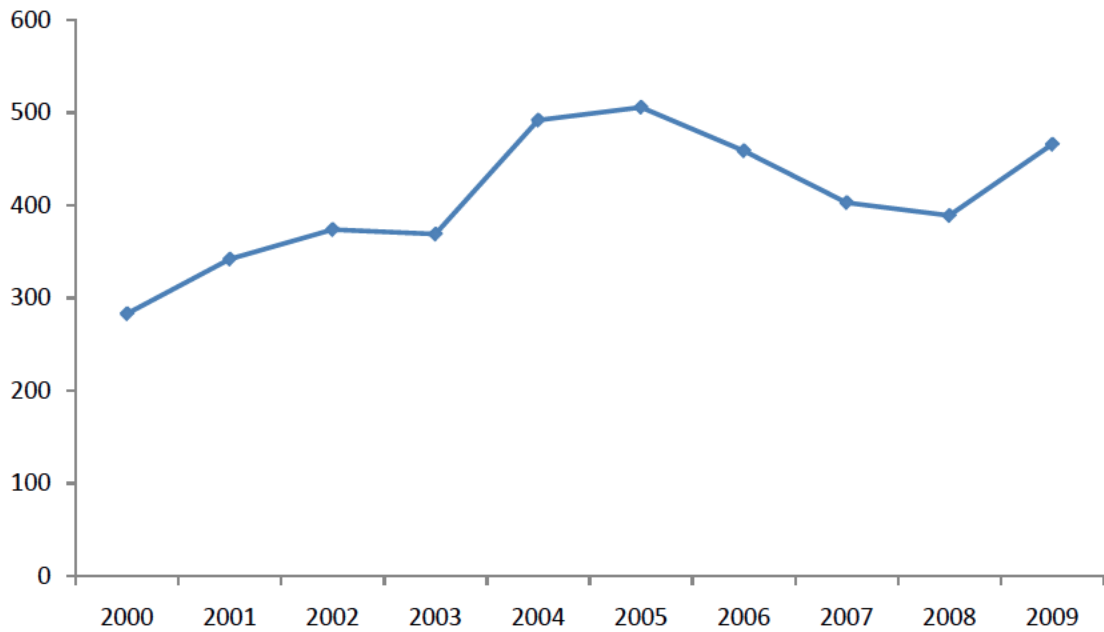


# Grant/Contract Awards by Amount—2009

Dollar Amount Categories	# of Awards	% of Total Awards by #	\$ Awards	% of Total Awards by \$ Amount
\$1 to \$9,999	46	13%	\$256,587	1%
\$10,000 to \$24,999	66	19%	\$1,028,522	3%
\$25,000 to \$49,999	66	19%	\$2,267,570	7%
\$50,000 to \$99,999	68	20%	\$4,685,668	15%
\$100,000 to \$199,999	57	16%	\$8,040,099	26%
\$200,000 to \$499,999	40	12%	\$11,784,220	37%
more than \$500,000	5	1%	\$3,679,239	11%
<b>Totals</b>	<b>348</b>	<b>100%</b>	<b>\$31,608,642</b>	<b>100%</b>



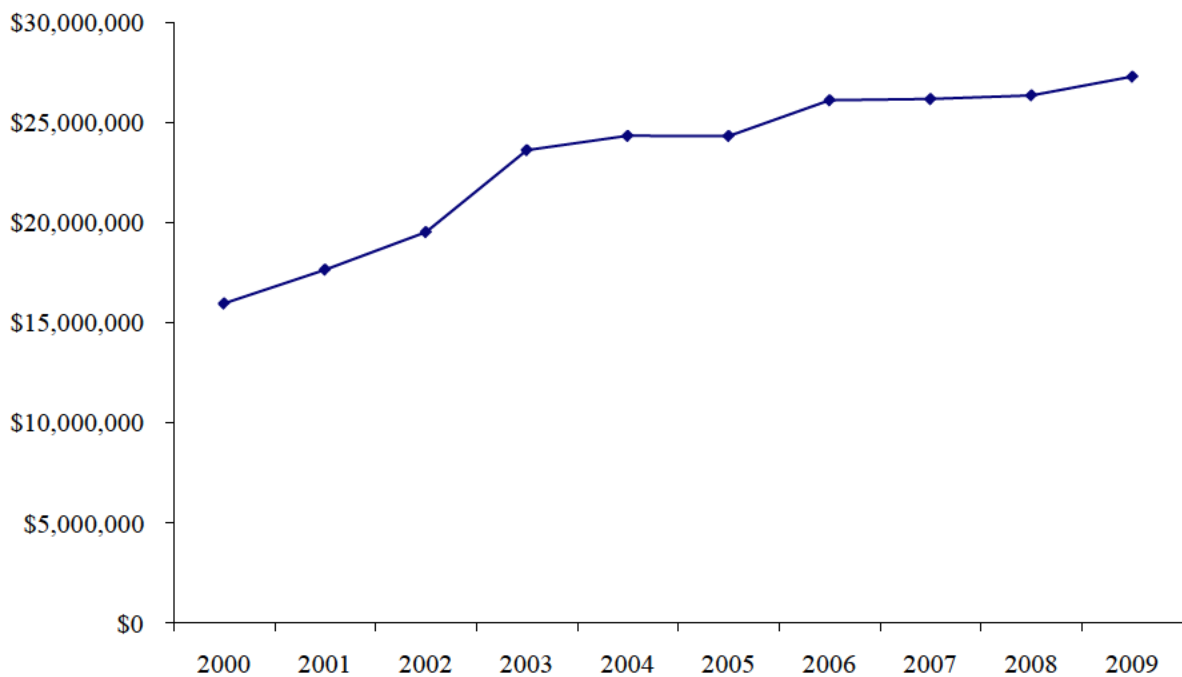
# Proposals Submitted





# Total Expenditures (Grants and Contracts)

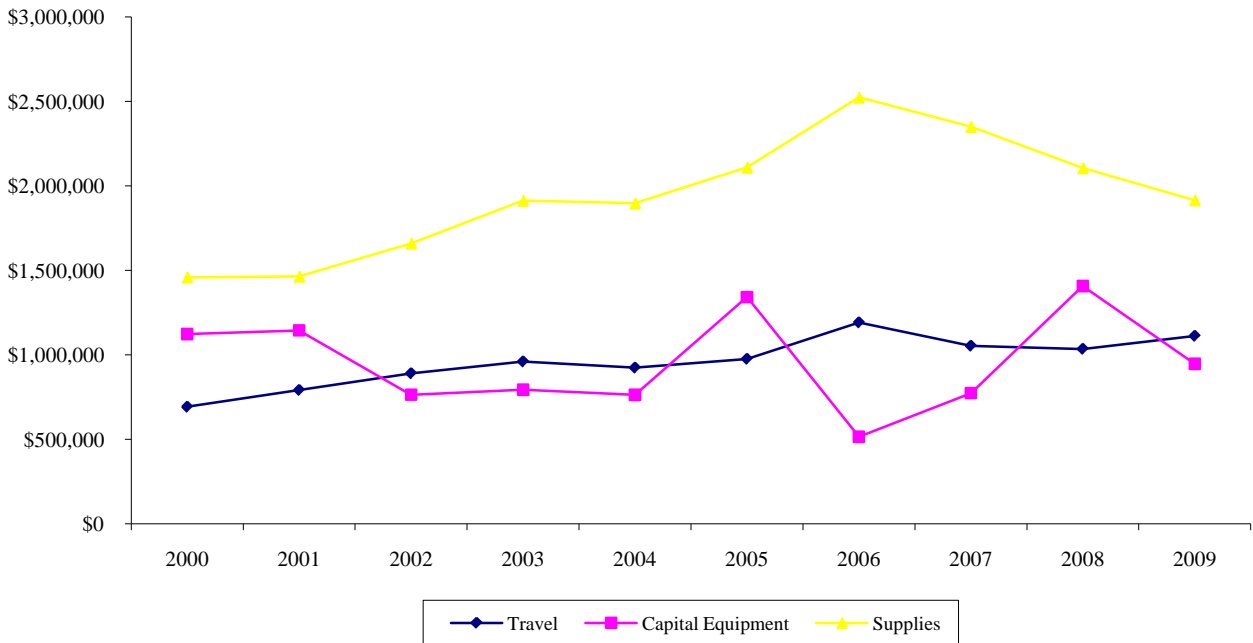
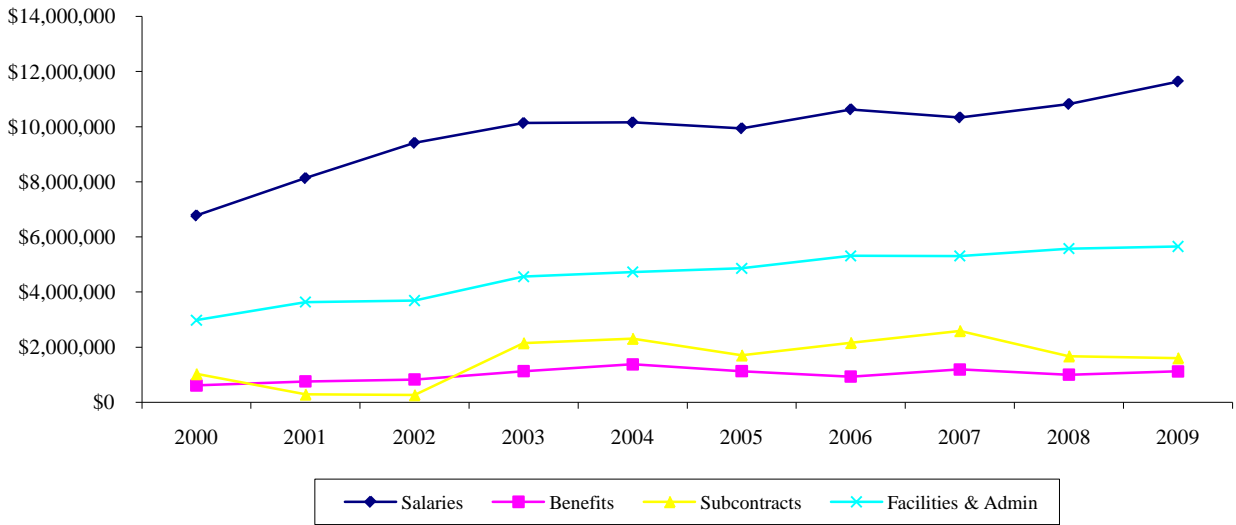
Year	Total Expenditures
2000	\$15,966,274
2001	\$17,652,928
2002	\$19,536,264
2003	\$23,623,643
2004	\$24,339,292
2005	\$24,334,391
2006	\$26,117,033
2007	\$26,178,686
2008	\$26,364,124
2009	\$27,299,213



# 2009 Research Contract/Grant Expenditures by Category

<i>Personnel Costs</i>	<i>Amount</i>
<i>Salaries &amp; Wages</i>	
Administrative Salaries	573,926
Faculty Salaries	705,138
Faculty Sal-Visit-Health Ben	1,066,273
Faculty—Supplemental	2,436,584
Part-time Faculty Salaries	385,283
Other Wages	273,292
Staff Salaries	299,817
Student Contracts	3,154,615
Student Wages	2,740,012
<b>Total Salaries &amp; Wages</b>	<b>\$10,819,748</b>
Fringe Benefits	\$1,121,407
<b>Total Personnel Costs</b>	<b>\$12,756,347</b>
<i>Other</i>	
Access Equipment	18,297
Advertising	2,217
Capital Equipment	947,728
Conference & Symposium Costs	242,146
Computer Serv-Campus-Contract	70
Consultants	568,089
Contract Services	562,688
Employee Development/Training	46,414
Equipment Repair & Maintenance	29,597
Exempt Account	-
Facilities Repair & Maintenance	147
Facilities & Administration	5,652,423
Hosting, Food, Entertainment	15,320
Non-Capital Equipment	198,114
Participant Stipends	230,450
Postage & Mailing	39,813
Printing & Copying	56,463
Program Income	(21,475)
Purchase Discounts Earned	(278)
Rental Expense	158,601
Research Fellowships	(1,000)
Research Publications Costs	12,796
Software Acquisitions/Support	32,480
Student Aid	1,098,093
Subcontracts	1,603,495
Supplies	1,916,023
Telecommunications	21,073
Travel	1,112,293
Utilities	303
<b>Total Other Expenditures</b>	<b>\$14,542,866</b>
<b>Total Research Expenditures</b>	<b>\$27,299,213</b>

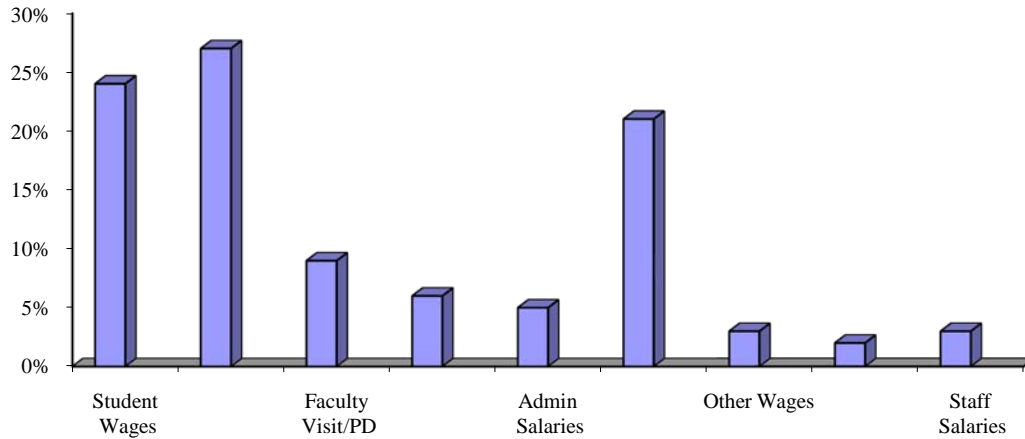
# Research Dollars Expended (Grants and Contracts Only)



# Salary and Wage Expenditures (Grants and Contracts Only)

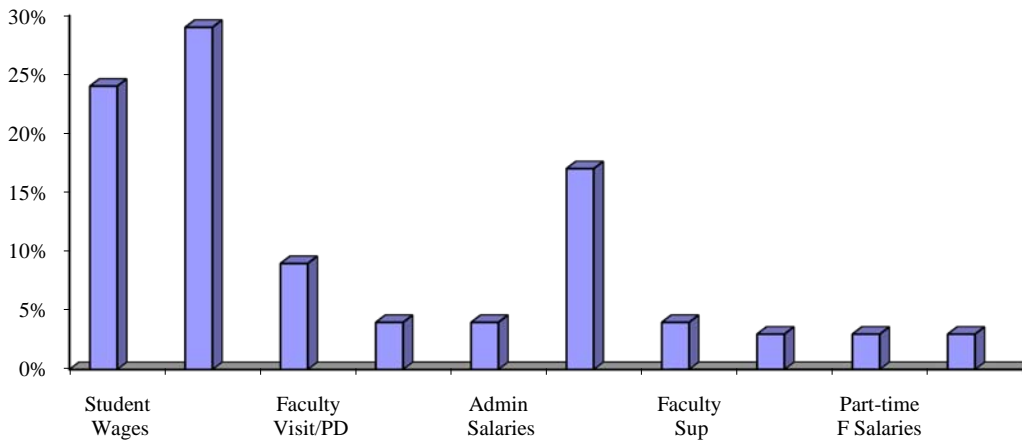
**2009**

Total: \$11,634,939



**2008**

Total: \$10,819,748

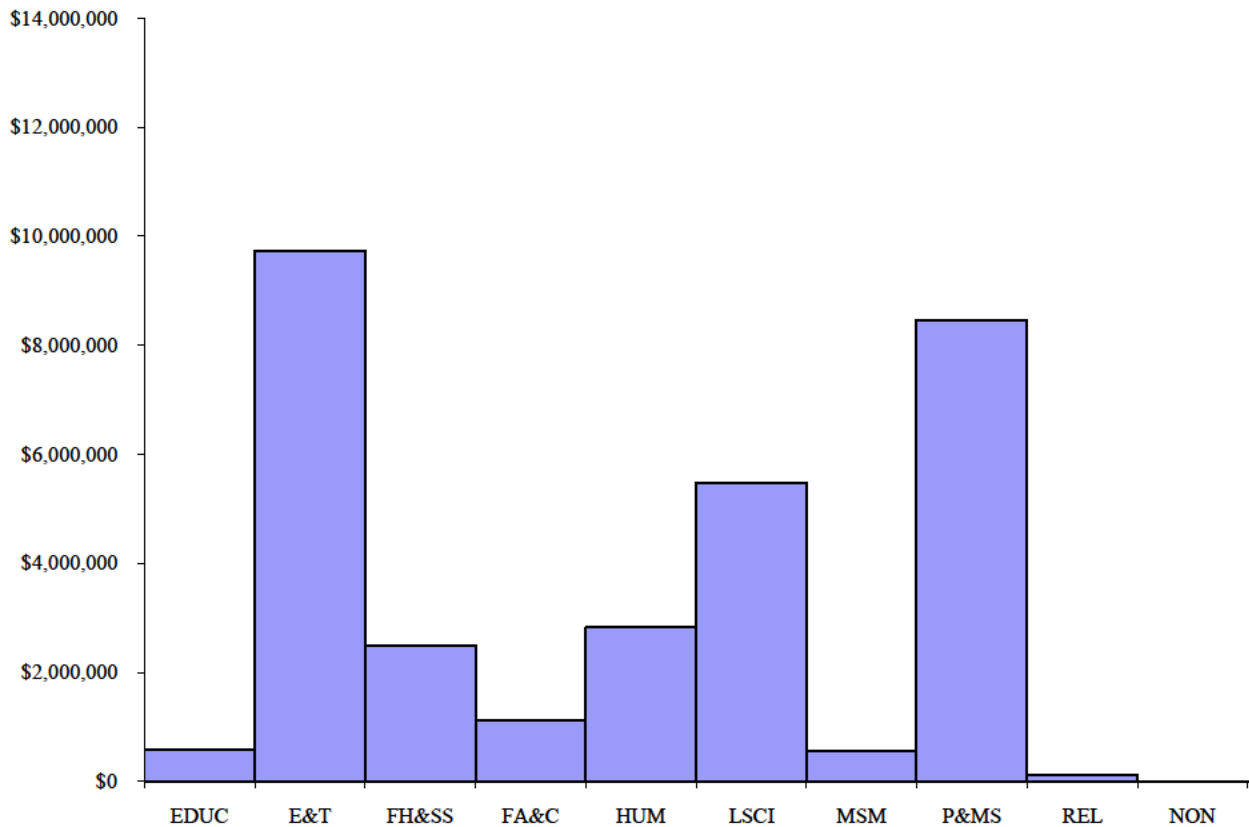




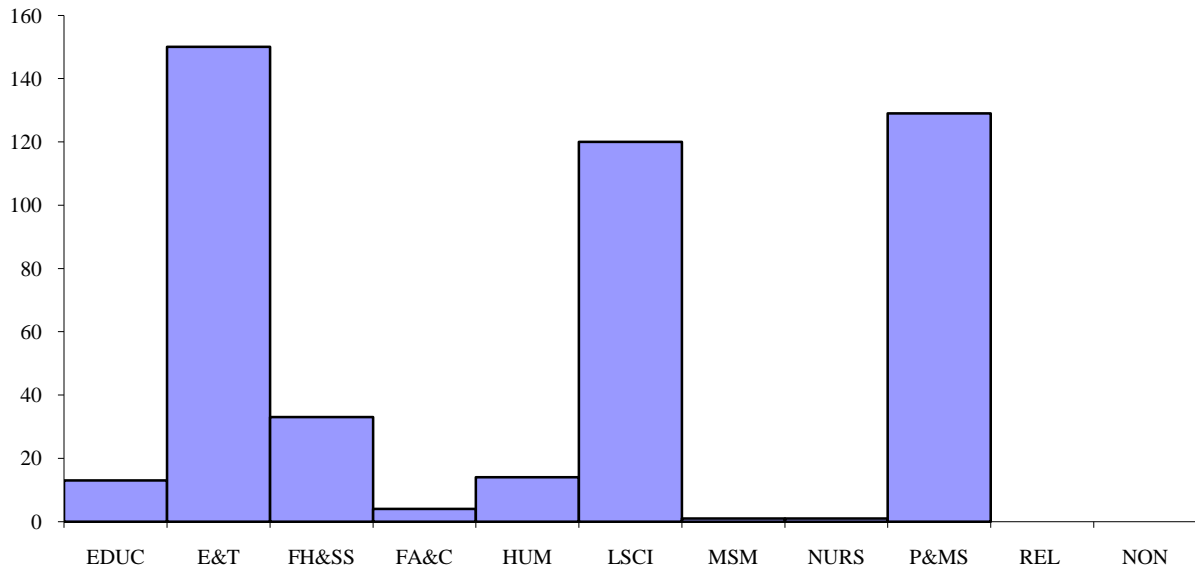
# Information by College or School

# Award Amount Totals 2009

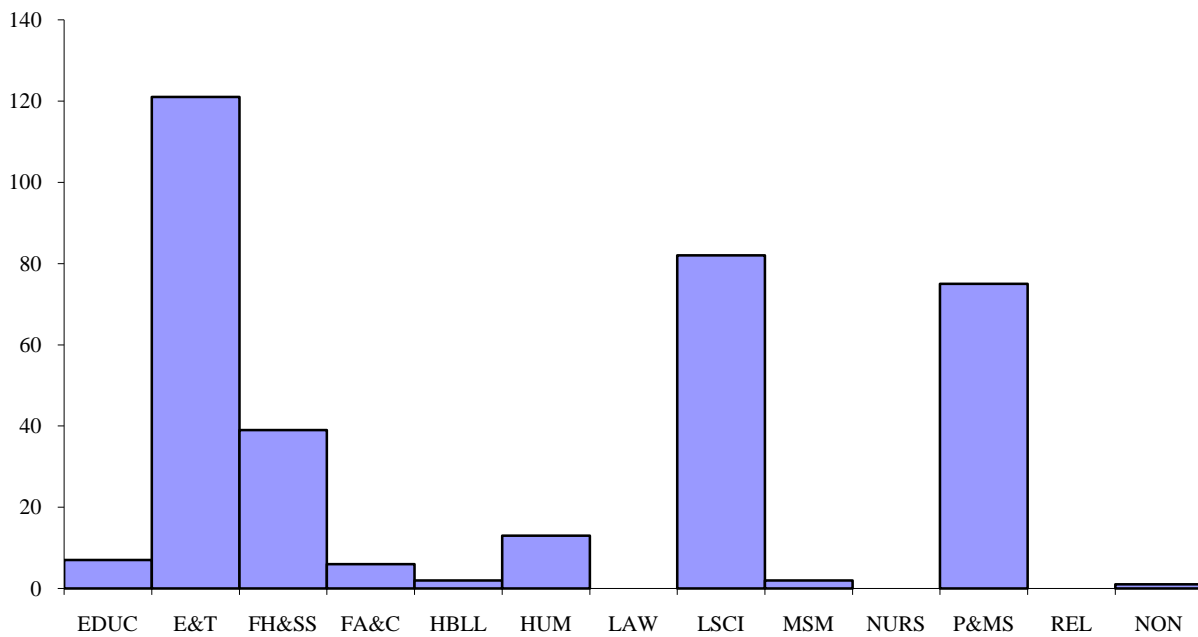
<i>College or School</i>	<i>Total</i>
Education	\$594,061
Engineering & Technology	\$9,730,735
Family, Home & Social Sciences	\$2,496,841
Fine Arts & Communications	\$1,118,296
Humanities	\$2,820,579
Life Sciences	\$5,487,968
Marriot School of Management	\$560,495
Physical & Mathematical Sciences	\$8,464,580
Religious Education	\$116,385
Harold B. Lee Library	\$215,853
Non-College Units	\$2,849
<b><i>University Total</i></b>	<b>\$31,608,642</b>



# Number of Proposals 2009



# Number of Awards 2009



# Research Contract/Grant Awards by College and Department 2009

<i>College and Department</i>	<i>Amount</i>
<b><u>Education</u></b>	
CITES	9,795
Communication Disorders	73,265
Counseling and Special Educ	105,179
Dean's Office Education	0
Education Leadership & Foundations	0
Instructional Psychology	63,037
Teacher Education	299,035
<b>TOTAL</b>	\$55,0311
<b><u>Engineering &amp; Technology</u></b>	
Chemical Engineering	1,256,932
Civil and Environmental Eng	725,652
Electrical and Computer Eng	3,441,676
Mechanical Engineering	4,260,835
School of Technology	175,000
<b>TOTAL</b>	\$9,860,095
<b><u>Fine Art and Communications</u></b>	
Museum of Art	961,296
Communications	39,000
School of Music	118,000
<b>TOTAL</b>	\$1,118,296
<b><u>Family Home &amp; Social Sciences</u></b>	
Anthropology	0
Economics	0
Geography	0
History	0
Museum of Peoples and Cultures	0
Office of Public Archeology OPA	690,242
Political Science	238,644
Psychology	718,508
School of Family Life	61,483
Sociology	779,964
Social Work	0
<b>TOTAL</b>	\$2,496,841



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

Asian & Near East Languages	2,212,114
Humanities, Classic, Comp Lit	349,155
Linguistics	199,926
Center for Language Studies	125,292
English	30,000
Spanish & Portuguese	20,477
<b>TOTAL</b>	<b>\$2,936,964</b>

**J. Reuben Clark Law School**

\$0

**Library**

\$ 215,853

**Life Sciences**

Bean Museum	24,000
Biology	1,224,719
Microbiology & Molecular Biology	518,900
Nutrition, Dietetic, & Food Science	518,439
Physiology & Developmental Biology	1,332,954.48
Plant & Wildlife Sciences	1,817,873.66
<b>TOTAL</b>	<b>\$5,562,968.34</b>

**Marriott School of Management**

Business Management	0
School of Accountancy	560,495
<b>TOTAL</b>	<b>\$560,495</b>

**Nursing**

\$ 0

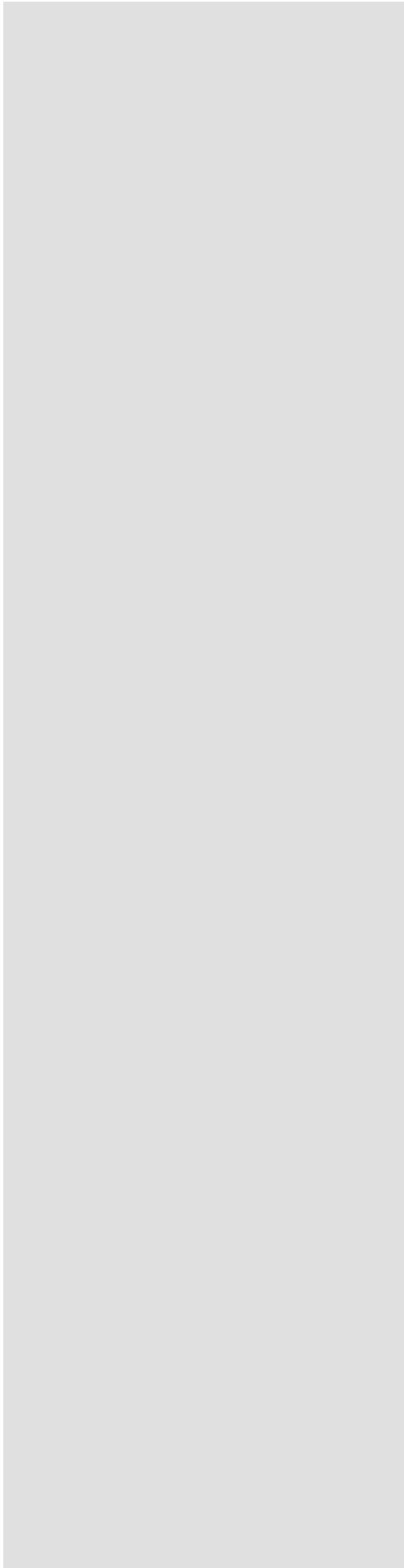
**Office of Research & Creative Activities**

\$ 2,849

**Physical & Math Sciences**

Chemistry and Biochemistry	4,316,617
Computer Science	1,087,194
Geology	186,863
Mathematics	971,406
Physics & Astronomy	1,515,722.59
Statistics	147,965
<b>TOTAL</b>	<b>\$8,303,969.59</b>

**Grand Total****\$ 31,608,641.93**

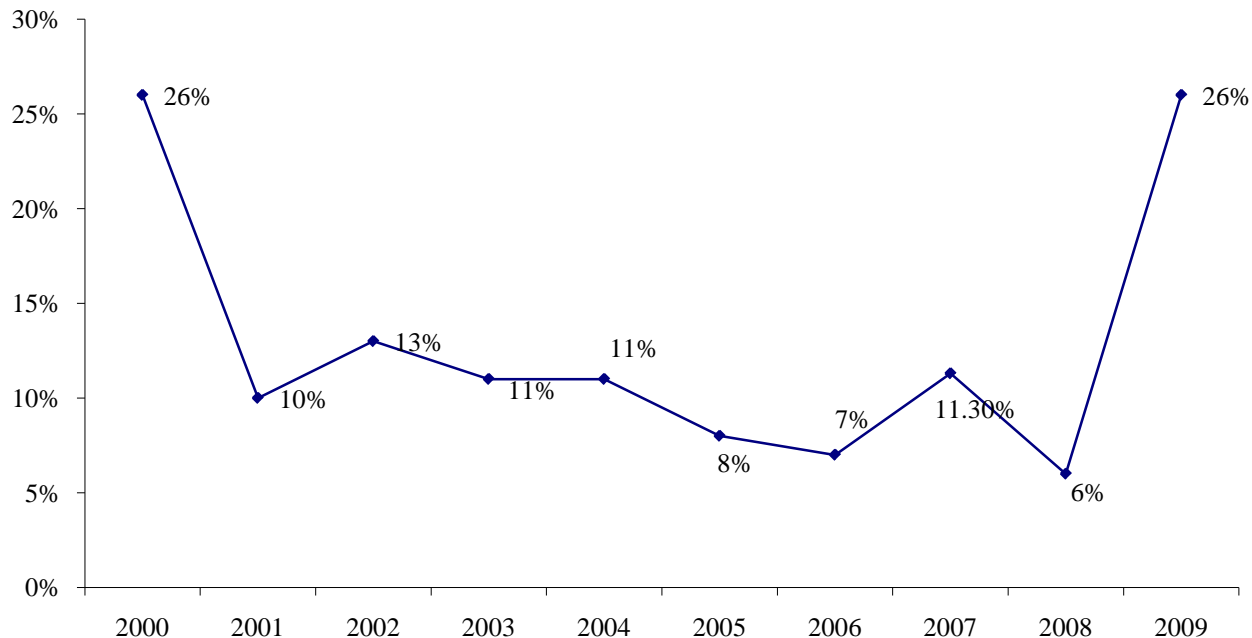


David O.  
McKay  
School  
of Education

# Summary of Sponsored Research (Grants & Contracts)

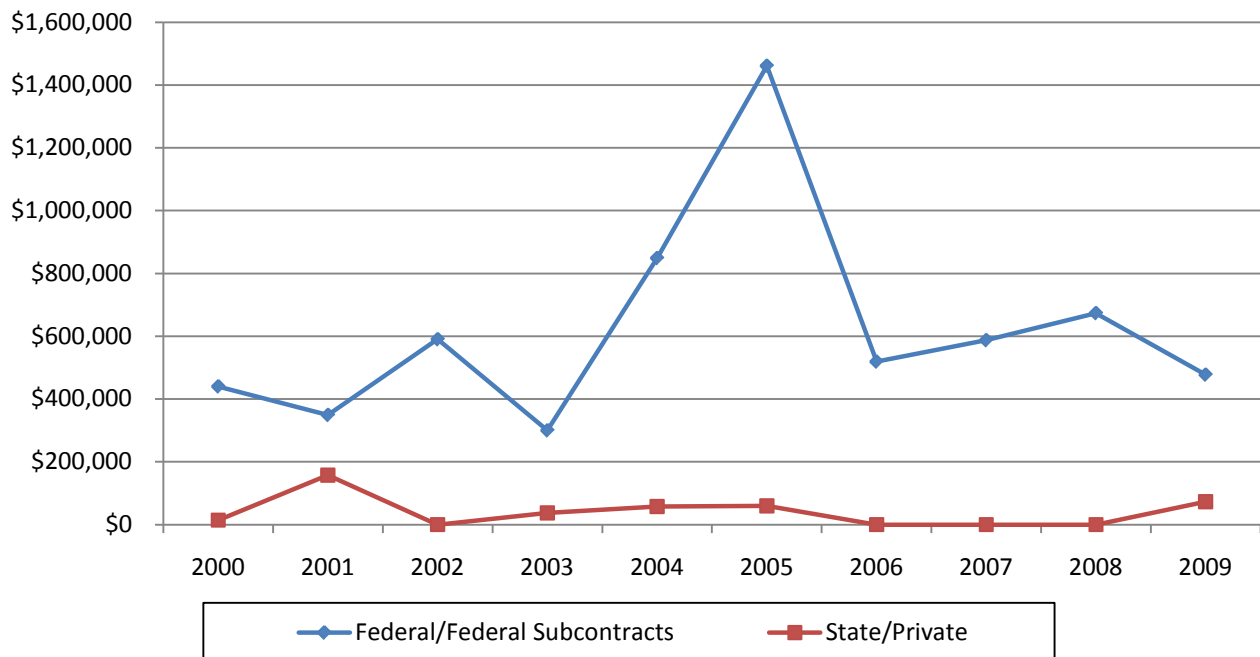
Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
CITES	3	3	2	1	\$9,795
Communication Disorders	8	3	2	1	\$76,265
Counseling Psych & Special Ed.	11	6	4	1	\$105,179
Ed. Leadership & Foundations	11	0	0	0	\$0
Instructional Psych. & Tech.	10	3	6	4	\$106,787
Teacher Education	27	3	2	1	\$299,035
<b>TOTALS</b>	<b>70</b>	<b>18</b>	<b>16</b>	<b>8</b>	<b>\$594,061</b>

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2000	\$439,960	\$14,400	\$454,360
2001	\$349,123	\$157,560	\$506,683
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



# David O. McKay School of Education 2009 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>
<i>Center for Improvement of Teacher Education. &amp; Schooling</i>							
Flox, Cally		Art Works for Kis	Arts Reaching and Teaching in Schools	8/14/2009	6/1/2010	\$9,795	4
<i>Communications Disorders</i>							
Blair, Nancy		Utah State Office of Ed (DoED)	Part-time SLP Supervisor	7/1/2009	6/30/2010	\$36,633	2
McPherson, David	w/Blair, Nancy	Utah State Office of Ed (DoED)	Part-time SLP Supervisor	7/1/2009	6/30/2010	\$36,633	2
<i>Counseling, Psych. &amp; Special Education</i>							
Dyches, Tina		UT SOEd (DOE)	Teacher Candidate Training	7/1/2009	6/30/2010	\$52,589	2
Prater, Mary Ann	w/ Dyches, Tina	UT SOEd (DOE)	Teacher Candidate Training	7/1/2009	6/30/2010	\$52,589	2
<i>Instructional Psychology &amp; Technology</i>							
Davies, Randall		Indianapolis Public School	Evaluation of the IPS One to One Science Project	3/1/2009	9/30/2009	\$19,757	3
Davies, Randall	w/ Alan Parkinson	NSF	Development of a Scalable and Sustainable Infrastructure for Global, Collaborative Engineering Design Education	9/15/2009	8/31/2010	\$43,750	1
Wiley, David		OSI-ZUG-Foundation	Multi-author internet site for monitoring news projects	12/1/2008	4/30/2009	\$12,346	4
Wiley, David		Open Society Institute	BYU Access to Knowledge Initiative	9/1/2009	8/31/2009	\$30,934	4
<i>Teacher Education</i>							
Pinnegar, Stefinee		US DoED	The BYU/ESL Endorsement through Distance Ed (BEEDE)	7/1/2009	6/30/2010	\$299,035	1

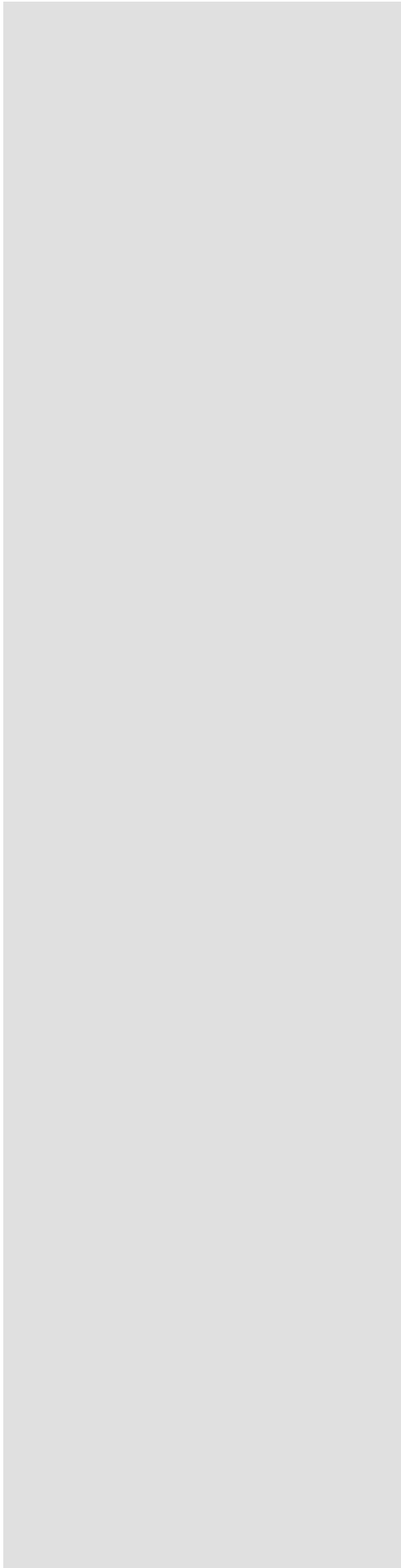
Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private

Department Totals	
Communication Disorders	\$73,265
Center for Improvement of Teacher Education and Schooling (CITIES)	\$9,795
Continuing Education	\$0
Counseling Psychology & Special Education	\$105,179
Educational Leadership & Foundations	\$0
Instructional Psychology & Technology	\$63,037
Teacher Education	\$299,035
<b>College Total:</b>	<b>\$550,311</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
National Science Foundation	1	\$43,750
<b>Total</b>	2	\$342,785
<b>Subcontracts</b>		
UT State Office of ED (US DOE)	2	\$89,221
<b>Total</b>	2	\$89,221
<b>State</b>		
Indianapolis Public Schools	1	\$19,757
<b>Total</b>	1	\$19,757
<b>Private</b>		
Art Works for Kids	1	\$9,795
OSI-ZUG-Foundation	1	\$12,346
Open Society Institute	1	\$30,934
<b>Total</b>	3	\$53,075
<b>Total</b>	8	\$504,838

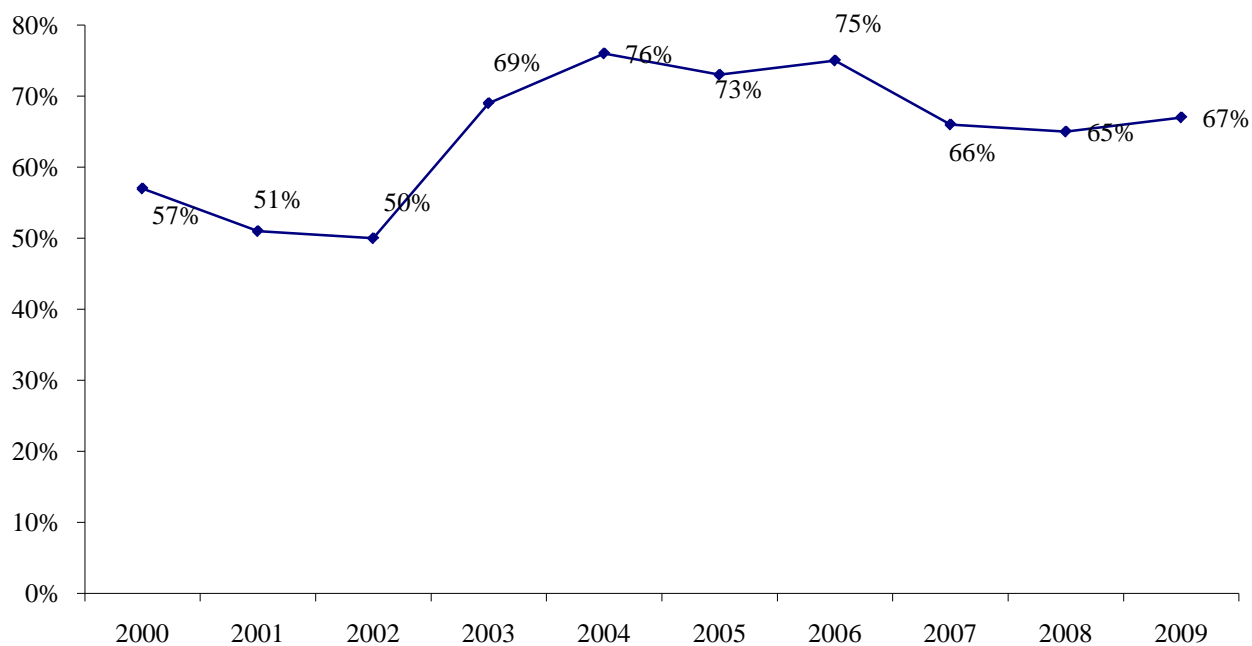


# Fulton College of Engineering & Technology

# Summary of Sponsored Research (Grants & Contracts)

Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Chemical Engineering	13	12	33	17	\$1,256,932
Civil & Environmental Engineering	17	13	19	13	\$725,652
Electrical & Computer Engineering	24	17	47	37	\$3,441,676
Mechanical Engineering	25	23	59	36	\$4,260,835
School of Technology	26	5	6	1	\$175,000
<b>TOTALS</b>	105	70	164	105	\$9,860,095

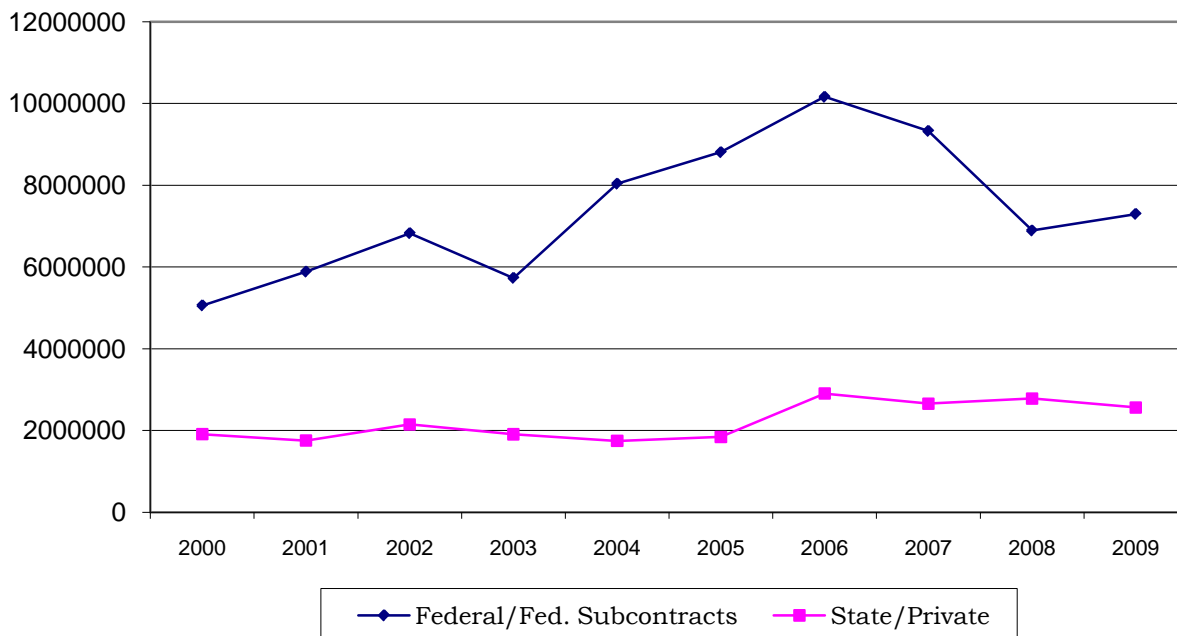
## Proposal Submission Activity





# External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2000	\$5,058,375	\$1,910,470	\$6,968,845
2001	\$5,885,021	\$1,755,752	\$7,640,773
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



# College of Engineering & Technology 2009 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Beg Date</u>	<u>End Date</u>	<u>Account</u>	<u>Amount</u>	<u>Type</u>
<i>Civil &amp; Environment Engineering</i>								
Benzley, Steven		BLM	Review Existing Mine Subsidence Data and Identify Procedures for Improved Collection and Use	7/18/2008	7/31/2013	R0202248	\$12,621	1
Benzley, Steven		Sandia National Lab	All Hexahedral Mesh Generation	11/1/2008	9/30/2009	R0302266	\$55,000	2
Benzley, Steven E		Sandia National Lab	All Hexahedral Finite Element Mesh Generation	11/1/2008	12/30/2010	R0302266	\$35,000	2
Borup, Brett	w/Williams, Gus	BOR	Sediment Delta and Water Quality Interactions	10/1/2009	9/30/2014	R0202282	\$9,000	1
Borup, Brett	w/Miller, Wood	Central UT Water Conservancy District	Utah Lake Hydrologic and Water Quality Update	1/1/2009	6/30/2009	R0402140	\$25,000	3
Borup, Brett	w/Miller, Wood	Central UT Water Conservancy District	Utah Lake Hydrologic and Water Quality Update	7/1/2009	6/30/2010	R0402140	\$50,000	3
Guthrie, Spencer		UDOT	Evaluation of Overlay Rutting Susceptibility	10/6/2006	12/31/2010	R0402102	\$20,000	3
Guthrie, Spencer		JFC Engineers	Pavement Design and Reconstruction in Cold Regions	9/25/2009	7/31/2010	R0602250	\$14,000	4
Guthrie, Spencer		USU (DOE)	Concrete Bridge Deck Evaluation for the Bridge Performance Prog	5/1/2009	4/28/2010	R0302310	\$80,000	2
Hotchkiss, Rollin	w/Williams, Gus	BOR	Sediment Delta and Water Quality Interactions	10/1/2009	9/30/2014	R0202282	\$9,000	1
Hotchkiss, Rollin		Central UT Water Conservancy District	Physical Monitoring and Simulation of Hobble Creek	1/1/2009	12/31/2009	R0402138	\$20,544	3
Hotchkiss, Rollin		UT DWR	Settlement Canyon Reservoir Sedimentation Study	4/27/2009	12/31/2009	R0402149	\$8,100	3
Jarvis, Tyler		NSA	Group Ations, Orbicurves, and topological field theory	12/31/2009	12/31/2010	R0202293	\$31,970	1
Miller, Wood	w/Williams, Gus	BOR	Sediment Delta and Water Quality Interactions	10/1/2009	9/30/2014	R0202282	\$9,000	1
Miller, Wood		Central UT Water Conservancy District	Utah Lake Hydrologic and Water Quality Update	1/1/2009	6/30/2009	R0402140	\$25,000	3
Miller, Wood		Central UT Water Conservancy District	Utah Lake Hydrologic and Water Quality Update	7/1/2009	6/30/2010	R0402140	\$50,000	3
Nelson, James	w/Williams, Gus	BOR	Sediment Delta and Water Quality Interactions	10/1/2009	9/30/2014	R0202282	\$9,000	1
Richards, Paul	w/Benzley Steven	BLM	Review Existing Mine Subsidence Data and Identify Procedures for Improved Collection and Use	7/18/2008	7/31/2013	R0202248	\$12,621	1

Rollins, Kyle	UDOT		Lateral Pile Resistance Near MSE Walls	7/1/2009	4/1/2011	R0402155	\$50,595	3
Rollins, Kyle	UDOT		Lateral Pile resistance near MSE walls	7/1/2009	4/1/2011	R0402155	\$50,595	3
Saito, Mitsuru	UDOT		Automated Estimation of Delays and Other MOE's at Intersections	5/1/2009	9/1/2010	R0402143	\$50,000	3
Saito, Mitsuru	Traficon		Automated Estimation of delays and Other MOE's at Intersection	8/31/2008	12/31/2009	R0602177	\$21,576	4
Schultz, Grant	UDOT		Transportation Safety Data and Analysis	9/1/2009	8/31/2011	R0402153	\$100,000	3
Williams, Gus	BOR		Sediment Delta and Water Quality Interactions	10/1/2009	9/30/2014	R0202282	\$9,000	1
<b>Chemical Engineering</b>								
Bartholomew, Calvin	w/Hecker, William	WM GTL Inc.	Fischer-Tropsch Agreement	10/14/2008	10/14/2009	R0602216	\$20,000	4
Baxter, Larry		INL (DOE)	Gasification Model Development	10/1/2007	9/30/2009	R0302230	\$9,854	2
Baxter, Larry		DOE (U of U)	Refractory-slag Interactions of Coal Gasifiers	10/1/2008	3/31/2010	R0302265	\$50,000	2
Baxter, Larry		D.O.N.G. Energy	CO2 emission reduction through CCS and cofiring	4/15/2009	5/15/2010	R0602276	\$97,436	4
Baxter, Larry		Sustainable Energy Solutions	Cryogenic CO2 Capture Research	4/5/2009	7/15/2010	R0602280	\$53,042	4
Fletcher, Tom		Forest Service	Fundamental Combustion Characteristics of Live Wildland Fuels	9/30/2007	9/30/2010	R0202198	\$10,000	1
Fletcher, Tom		Clemson (DOE)	Deposition of Alternative Fuels on Turbine Blades with Film Coating	8/1/2005	5/15/2009	R0302144	\$65,023	2
Fletcher, Tom		DOE (U of U)	Utah Clean Coal Program - Char and Soot Kinetics and Mechanisms	10/1/2008	3/31/2010	R0302264	\$120,000	3
Fletcher, Tom		Oregon State (DOE)	Designing Turbine Endwalls for Deposition Resistance	10/1/2008	9/30/2011	R0302269	\$115,294	2
Fletcher, Tom		Chevron (UofU)	Kinetics of Oil Shale Pyrolysis	1/1/2007	12/31/2009	R0802012	\$73,539	3
Harb, John		NSF	NIRT: Chemically Directed Surface Alignment and Wiring of Self-Assembled Nanoelectrical Circuits	7/1/2007	6/30/2011	R0112096	\$2,400	1
Hecker, William		INL (DOE)	Obtaining Services on Fischer-Tropsch Catalysis	12/3/2008	9/30/2009	R0302285	\$5,000	2
Hecker, William		WM GTL Inc.	Fischer-Tropsch Agreement	10/14/2008	10/14/2009	R0602216	\$20,000	4
Lewis, Randy		Oklahoma State Univ (USDA) USDA Forest Service -	Biomass-based Energy Research	8/15/2009	8/14/2011	R0302300	\$61,106	2
Lignell, David		Rocky Mountain Research Station	Modeling Wildland Flame Structure Using One Dimensional Turbulence (ODT)	8/12/2009	9/1/2012	R0202289	\$150,000	1

Pitt, William		CIBA Vision	DMPC Transport in Polymers	8/24/2009	3/31/2010	R0602281	\$31,500	4
Pitt, William		CIBA Corp.	DMPC Transport in Polymers	5/15/2009	12/31/2009	R0602281	\$12,593	4
Rowley, Richard		AIChE - DIPPR	DIPPR Project 801-2010 Extension	1/1/1998	12/31/2010	R0601001	\$162,500	4
Wheeler, Dean	w/ Harb, John	NSF	NIRT: Chemically Directed Surface Alignment and Wiring of Self-Assembled Nanoelectrical Circuits	7/1/2007	6/30/2011	R0112096	\$2,400	1
Wheeler, Dean		Naval Research Lab	Tools Development Modeling and Design of High Performance Electrodes for Li-Ion Batteries	6/1/2008	5/31/2010	R0302244	\$25,545	2
Wilding, Vincent	w/ Rowley, Richard	AIChE - DIPPR	DIPPR Project 801-2010 Extension	1/1/1998	12/31/2010	R0601001	\$162,500	4

*Electrical and Computer Engineering*

Archibald, James		NIH	Distributed medical image processing framework using cell processors	9/15/2009	9/14/2010	R0102043	\$26,000	1
Beard, Randy		Mosaic ATM (Navy)	Persistent Tactical Seeability through integrated Sensor Guidance	10/27/2008	11/30/2009	R0302267	\$5,485	2
Beard, Randy		Procerus Tech (AFSOR)	Aerial Recovery of Micro UAVs, Phase II	10/27/2009	4/30/2012	R0302275	\$149,996	2
Beard, Randy	w/ McLain, Tim	Mosaic ATM (Navy)	Robust Autonomous Maneuvering of Unmanned Air Systems in Challenging Environmental/Weather Conditions SSTRN09-T025	7/3/2009	1/25/2010	R0302289	\$10,500	2
Beard, Randy		Mosaic ATM	Persistent Tactical Seeability Through Intergrated Sensor Guidance	10/16/2009	7/21/2011	R0302315	\$38,600	2
Hawkins, Aaron		NSF	REU Supplement	6/4/2009	3/31/2010	R0112093	\$6,000	1
Hawkins, Aaron		UC Santa Cruz (AFRL)	Single Photon nonlinear optics in integrated hollow core waveguides	6/15/2005	12/31/2009	R0302140	\$82,083	2
Hawkins, Aaron		UC Santa Cruz	Single Biomedical Sensors Using integrated Optical Waterguides	4/1/2006	1/31/2010	R0302164	\$10,540	2
Hawkins, Aaron		U of CA, Santa Cruz	Single Biomedical Sensors Using integrated optical Waveguides	2/1/2009	1/31/2010	R0302164	\$94,956	2
Hawkins, Aaron		UC Santa Cruz (NIH)	Integrated optical particle trap for biomolecule analysis and manipulation	7/1/2009	6/30/2011	R0302292	\$73,250	2
Hutchings, Brad	w/Nelson, Brent	NSF	Chrec	2/1/2008	1/31/2010	R0112109	\$5,000	1
Hutchings, Brad	w/Nelson, Brent	NSF	NSF CHREC	2/1/2008	1/31/2011	R0112109	\$12,500	1
Hutchings, Brad		USC (DARPA)	Test Article Generation (entry from a July award)	11/29/2009	12/19/2010	R0302282	\$151,722	2
Hutchings, Brad		USC (DARPA)	Trust in Integrated Circuits	1/29/2009	8/28/2009	R0302282	\$13,250	2
Jeffs, Brian		NAIC at Cornell (NSF)	Focal Region Characterization, Beamforming, and Demonstrator Integration for Arcibo A)40 Phased Array Feed Feasibility Study	9/1/2009	3/31/2010	R0302308	\$60,375	2
Jensen, Michael	w/Rice, Michael	US Army	Multipath Modeling and Mitgation using Multiple Antennas	4/15/2009	4/14/2010	R0202268	\$127,833	1

Jensen, Michael		UCSD (ARO)	Directional Routing and Scheduling for Secure Mobile Ad-hoc Networks	6/1/2004	5/31/2009	R0302100	\$41,098	2
Lee, DJ	w/Archibald, James	NIH	Distributed medical image processing framework using cell processors	9/15/2009	9/14/2010	R0102043	\$26,000	1
Long, David		NSF	Collaborative Research Free-Drifting Icebergs as Proliferating Dispersion	9/1/2007	8/31/2010	R0112102	\$9,081	1
Long, David		U of U (NASA)	Space program	3/1/2005	2/28/2009	R0302127	\$30,000	2
Long, David		NASA	Application & Validation of Ultra-High Resolution Wind, Backscatter, and Brightness Temperature	5/16/2006	6/27/2010	R0302166	\$181,868	2
Long, David		Space Dynamics Lab (USU)	BYU NuSar Algorithm Support	5/1/2006	8/30/2009	R0302173	\$59,545	2
Long, David		USU Space Dynamics Lab (NASA)	BYU SAR Algorithm Support	5/1/2006	8/5/2010	R0302173	\$87,011	2
Long, David		Oregon State (JPL)	Coastal and Orographic Wind Analysis from High Resolution QuickSCAT and Sea winds Measurements	10/5/2005	6/27/2010	R0302180	\$26,943	2
Long, David		Univ of Colorado (NASA)	Investigation of Sea Ice Processes Using Ice Motion and Ice Age Information for EOS Sensors	8/31/2007	8/31/2009	R0302181	\$18,164	2
Long, David		NSIDC (Univ of CO)	BYU NSIDC QuikSCAT Support	4/30/2008	4/29/2010	R0302271	\$10,250	2
Long, David		Univ Colorado (NASA)	Potential synergisms between space-based Doppler Wind Lidar profiles, scatterometer ocean vector winds and GOES cloud motion vectors	1/1/2009	12/31/2010	R0302279	\$104,000	2
Long, David		Applied Physics Lab (NSF)	SAR processing support for River-SAR	11/1/2009	6/30/2012	R0302320	\$30,000	2
Nelson, Brent	w/Wirthlin, Mike	NSF	Chrec	2/1/2008	1/31/2010	R0112109	\$5,000	1
Nelson, Brent		NSF	NSF CHREC	2/1/2008	1/31/2011	R0112109	\$12,500	1
Nelson, Brent		Los Alamos Nat'l Security LLC	Chrec Membership dues	12/23/2008	12/22/2009	R0302240	\$70,000	2
Nelson, Brent	w/Hutchings, Brad	USC (DARPA)	Trust in Integrated Circuits	1/29/2009	8/28/2009	R0302282	\$13,250	2
Nelson, Brent		Xilinx Inc	Chrec Membership dues	12/1/2008	11/30/2009	R0602229	\$35,000	4
Nelson, Brent		SEAKR Engineering	Chrec Membership dues	12/19/2008	12/18/2009	R0602229	\$35,000	4
Nordin, Greg		NSF	MEMs Based Chemical and Biological Sensors	7/31/2006	8/31/2010	R0112082	\$75,000	1
Nordin, Greg		NSF	MEMs Based Chemical and Biological Sensors	7/31/2006	8/31/2010	R0112082	\$10,000	1
Nordin, Greg		Clemson (DARPA)	Laboratory for Advanced Photonic Composites	10/10/2005	4/21/2010	R0302151	\$248,620	2
Nordin, Greg		NCMR/PNNL (DOE)	Microcantilever Arrays	3/11/2009	9/30/2009	R0302283	\$51,754	2

Nordin, Greg		NCMR/PNNL	Microcantilever Arrays for Sensing Applications	3/11/2009	9/30/2009	R0302283	(\$25,000)	2
Penry, David		Microsoft	Safe and Scalable Multicore Computing Runtime Packaging of Parallelism and Locality	8/5/2008	12/31/2011	R0602263	\$111,332	4
Rice, Michael	w/Nelson, Brent	NSF	Chrec	2/1/2008	1/31/2010	R0112109	\$5,000	1
Rice, Michael	w/Nelson, Brent	NSF	NSF CHREC	2/1/2008	1/31/2011	R0112109	\$12,500	1
Rice, Michael		US Army	Multipath Modeling and Mitgation using Multiple Antennas	4/15/2009	4/14/2010	R0202268	\$127,833	1
Schultz, Stephen		NSF	Collaborative Proposal: Full-Spectral Interrogration of Fiber Bragg Grating Sensors for Damage Idenitification	5/1/2009	4/30/2012	R0112131	\$74,129	1
Schultz, Stephen		ONR	Slab Coupled Optical Fibers for Rail-gun Field Measurements	6/23/2009	5/1/2010	R0202276	\$17,506	1
Schultz, Stephen		IPITEK	Advanced Polymer Optical Sensors (APOS)	5/9/2008	5/9/2009	R0302253	\$19,805	2
Schultz, Stephen	w/Selfridge, Richard	IPCOM, Inc	Advanced Polymer Optical Sensors (APOS)	6/1/2008	5/8/2010	R0302253	\$40,196	2
Schultz, Stephen		IPITEK	Expanded APOS Program: MO Sensing	5/9/2008	5/8/2010	R0302253	\$28,243	2
Selfridge, Richard	w/Schultz, Stephen	NSF	Collaborative Proposal: Full-Spectral Interrogration of Fiber Bragg Grating Sensors for Damage Idenitification	5/1/2009	4/30/2012	R0112131	\$74,128	1
Selfridge, Richard	w/Schultz, Stephen	ONR	Slab Coupled Optical Fibers for Rail-gun Field Measurements	6/23/2009	5/1/2010	R0202276	\$17,506	1
Selfridge, Richard	W/Schultz, Stephen	IPITEK	Advanced Polymer Optical Sensors (APOS)	5/9/2008	5/9/2009	R0302253	\$19,804	2
Selfridge, Richard	w/Schultz, Stephen	IPCOM, Inc	Advanced Polymer Optical Sensors (APOS)	6/1/2008	5/8/2010	R0302253	\$40,195	2
Selfridge, Richard	w/Schultz, Stephen	IPITEK	Expanded APOS Program: MO Sensing	5/9/2008	5/8/2010	R0302253	\$28,243	2
Taylor, Clark		AFRL	Drift-free Multi-agent Navigation in Communication-limited Environments	12/15/2009	12/14/2010	R0202294	\$30,000	1
Taylor, Clark		Toyon Corp (SBIR)	Indoor Mapping and Geolocation Using Signals of Opportunity and Cooperative SLAM	4/16/2009	10/31/2009	R0302295	\$25,000	2
Taylor, Clark		SRA (Air Force)	Creating High-resolution Geo-referenced Maps Using Reference Imagry and MAV Data	12/21/2009	9/15/2010	R0302322	\$51,172	2
Warnick, Karl	w/Jeffs, Brian	NAIC at Cornell (NSF)	Focal Region Characterization, Beamforming, and Demonsrtrator Integration for Arecibo A)40 Phased Array Feed Feasibility Study	9/1/2009	3/31/2010	R0302308	\$60,375	2
Warnick, Karl		Freelinc, Inc	Broadband Near Field Wireless Link for Secure Public Safety and Tactical Military Voice and Data Communications	10/16/2009	8/31/2010	R0602299	\$127,370	4
Wirthlin, Michael	w/Nelson, Brent	NSF	Chrec	2/1/2008	1/31/2010	R0112109	\$5,000	1
Wirthlin, Michael	w/Nelson, Brent	NSF	NSF CHREC	2/1/2008	1/31/2011	R0112109	\$12,500	1

Wirthlin, Michael		Sandia National Lab	Non-Volatile Memory Review and Analysis	10/1/2009	9/30/2010	R0202231	\$48,000	1
Wirthlin, Michael	w/Hutchings, Brad	USC (DARPA)	Trust in Integrated Circuits	1/29/2009	8/28/2009	R0302282	\$13,250	2
<b><i>Mechanical Engineering</i></b>								
Adams, Brent L.		NSF	Dislocations and Grain Boundaries in BCC Metals	9/1/2009	8/31/2010	R0112143	\$68,855	1
Adams, Brent L.	w/Fullwood, David	NSF	GOALI: Defect Detection Microscopy: Microstructure Design for Formability of Wrought Magnesium Alloys	8/15/2009	7/31/2012	R0112144	\$106,645	1
Blotter, Jonathan		INL	Transducer Signal Noise Analysis	7/23/2009	9/30/2009	R0302294	\$13,849	2
Blotter, Jonathan	w/Maynes, Dan	Genscape Inc.	Turbulence Flow Induced Vibrations in Pipe Systems	1/31/2008	3/31/2010	R0602205	\$20,312	4
Blotter, Jonathan	w/Maynes, Daniel	CCI Valve Control	Turbulence Flow Induced Vibrations in Pipe Systems	1/1/2007	12/31/2009	R0602206	\$25,000	4
Blotter, Jonathan	w/Gee, Kent	ATK Space Systems	Characterization of Acoustic Sensor Perform During ARES DM-1	7/21/2009	12/31/2009	R0602291	\$13,158	4
Bowden, Anton	w/Howell, Larry	Crocker Spinal Tech	Design & Characterization of Compliant Mechanism Spinal Anthroplasty Devices	6/19/2009	4/1/2010	R0602286	\$56,250	4
Burnett, Sandra	w/Jensen, Brian	Nanoinjectio n Tech	Development of NanoInjection Prototypes and Protocols	6/19/2009	2/1502010	R0602285	\$32,500	4
Colton, Mark	w/Beard, Randal	Procerus Tech (AFSOR)	Aerial Recovery of Micro UAVs, Phase II	10/27/2009	4/30/2012	R0302275	\$149,996	2
Fullwood, David	w/Adams, Brent	NSF	GOALI: Defect Detection Microscopy: Microstructure Design for Formability of Wrought Magnesium Alloys	8/15/2009	7/31/2012	R0112144	\$106,646	1
Gorrell, Steve	w/Maynes, Daniel	Concepts NREC	Performance, Prediction, Verification, and Analysis of Centrifugal Flow Impellers	1/1/2005	5/31/2009	R0602132	\$20,834	4
Howell, Larry	w/Jensen, Brian	Nanoinjectio n Tech	Development of NanoInjection Prototypes and Protocols	6/19/2009	2/1502010	R0602285	\$32,500	4
Howell, Larry	w/Bowden, Anton	Crocker Spinal Tech	Design & Characterization of Compliant Mechanism Spinal Anthroplasty Devices	6/19/2009	4/1/2010	R0602286	\$56,250	4
Jensen, Brian D	w/Burnett, Sandra; Howell, Larry	Nanoinjectio n Tech	Development of NanoInjection Prototypes and Protocols	6/19/2009	2/1502010	R0602285	\$32,500	4
Jensen, C. Greg	w/Alan Parkinson	NSF	Development of a Scalable and Sustainable Infrastructure for Global, Collaborative Engineering Design Education	9/15/2009	8/31/2010	R0112146	\$43,750	1
Jensen, C. Greg		Pratt & Whitney	Composite Optimization and Design	1/15/2009	1/14/2010	R0602271	\$111,000	4
Jensen, C. Greg		Pratt & Whitney	Inspire, Amend #1	6/10/2009	12/18/2009	R0602283	\$31,520	4
Jensen, C. Greg		Pratt & Whitney	Task 44: INSPIRE	6/19/2009	7/27/2009	R0602283	\$82,725	4
Jones, Matthew		EPA	P3: A National Student Design Competition for Sustainability Focusing on People, Prosperity, and the Planet - Thermoelectric Power Harvesting Systems	8/15/2009	8/14/2010	R0202280	\$10,000	1

Magleby, Spencer	w/Alan Parkinson	NSF	Development of a Scalable and Sustainable Infrastructure for Global, Collaborative Engineering Design Education	9/15/2009	8/31/2010	R0112146	\$43,750	1
Maynes, Dan	w/Gorrell, Steve	Concepts NREC	Performance, Prediction, Verification, and Analysis of Centrifugal Flow Impellers	1/1/2005	5/31/2009	R0602132	\$20,834	4
Maynes, Dan		Genscape Inc.	Turbulence Flow Induced Vibrations in Pipe Systems	1/31/2008	3/31/2010	R0602205	\$20,313	4
Maynes, Dan	w/Blotter, Jonathan	CCI Valve Control	Turbulence Flow Induced Vibrations in Pipe Systems	1/1/2007	12/31/2009	R0602206	\$25,000	4
McLain, Tim	w/Beard, Randy	Mosaic ATM (Navy)	Persistent Tactical Seeability through integrated Sensor Guidance	10/27/2008	11/30/2009	R0302267	\$5,485	2
McLain, Tim	w/Beard, Randal	Procerus Tech (AFSOR)	Aerial Recovery of Micro UAVs, Phase II	10/27/2009	4/30/2012	R0302275	\$149,995	2
McLain, Tim		Mosaic ATM (Navy)	Robust Autonomous Maneuvering of Unmanned Air Systems in Challenging Environmental/Weather Conditions STTRN09-T025	7/3/2009	1/25/2010	R0302289	\$10,500	2
McLain, Tim	w/ Beard, Randal	Mosaic ATM	Persistent Tactical Seeability Through Intergrated Sensor Guidance	10/16/2009	7/21/2011	R0302315	\$38,600	2
Miles, Mike	w/Fullwood, David	NSF	GOALI: Defect Detection Microscopy: Microstructure Design for Formability of Wrought Magnesium Alloys	8/15/2009	7/31/2012	R0112144	\$106,646	1
Nelson, Tracy	w/Sorensen, Carl	NSF	Collaborative Renewal Proposal: NSF Center for Friction Stir Processing I/UCRC	9/1/2009	8/31/2014	R0112153	\$89,998	1
Nelson, Tracy	w/Sorensen, Carl	ONR	Friction Stir Welding Butt- and T- Joints in Thin HSLA-65 Steel plate with low distortion	11/14/2007	11/13/2009	R0202241	\$93,951	1
Nelson, Tracy		ONR	Fundamental Studies Supporting the Creation of High Integrity Weldments Via the Friction Stir Process	6/1/2009	5/31/2010	R0202278	\$345,972	1
Nelson, Tracy		AMP (ONR)	Portable Friction Stir Welding	7/9/2007	12/31/2009	R0302233	\$8,932	2
Nelson, Tracy	w/Sorensen, Carl	Advanced Metal Products (ONR)	Portable Friction Stir Welding Technology for Aluminum Fabrication	5/6/2009	7/15/2010	R0302290	\$54,728	2
Nelson, Tracy		Mitsubishi	Friction Stir Process (year end reconciliation of awards in 2009)	9/1/2004	12/31/2010	R0602116	\$8,750	4
Nelson, Tracy		JFE Steel	Friction Stir Process (year end reconciliation of awards in 2009)	9/1/2004	12/31/2010	R0602117	\$8,750	4
Nelson, Tracy		Hitachi	Friction Stir Process (year end reconciliation of awards in 2009)	9/1/2004	8/31/2020	R0602118	\$35,000	4
Nelson, Tracy		SKB	Friction Stir Process (year end reconciliation of awards in 2009)	9/1/2004	12/31/2010	R0602189	\$17,456	4
Nelson, Tracy		SKB	Friction Stir Process Industrial Consortium	9/1/2006	10/31/2010	R0602189	\$35,000	4
Sorensen, Carl		NSF	Collaborative Renewal Proposal: NSF Center for Friction Stir Processing I/UCRC	9/1/2009	8/31/2014	R0112153	\$89,997	1
Sorensen, Carl	w/Nelson, Tracy	ONR	Friction Stir Welding Butt- and T- Joints in Thin HSLA-65 Steel plate with low distortion	11/14/2007	11/13/2009	R0202241	\$93,951	1
Sorensen, Carl	w/Nelson, Tracy	ONR	Fundamental Studies Supporting the Creation of High Integrity Weldments Via the Friction Stir Process	6/1/2009	5/31/2010	R0202278	\$345,972	1



Sorensen, Carl	Advanced Metal Products (ONR)	Portable Friction Stir Welding Technology for Aluminum Fabrication	5/6/2009	7/15/2010	R0302290	\$54,729	2	
Thomson, Scott	NIH (NDCD)	Influence of Surface Adhesive Forces on Vocal Chord Stress and Function	4/1/2007	1/31/2010	R0102027	\$7,500	1	
Thomson, Scott	NIH	Influence of Surface Adhesive Forces on Vocal Chord Stress and function	4/1/2007	1/31/2010	R0102027	\$15,000	1	
Thomson, Scott	NIH (NIDCD)	Influence of Surface Adhesive Forces on vocal fold stress and function	4/1/2007	1/31/2010	R0102027	\$67,500	1	
Thomson, Scott	NIH (NIDCD)	Influence of subglottic anatomy on voice production	7/1/2009	6/30/2013	R0102031	\$422,076	1	
Thomson, Scott	NIH	Influence of Subglottic Anatomy on Voice Production	6/1/2009	5/31/2010	R0102031	\$331,448	1	
Thomson, Scott	NIH	Influence of surface adhesion forces on vocal fold stress and function	7/17/2009	1/31/2010	R0102038	\$42,000	1	
Thomson, Scott	McGill Univ (NIH)	Design, construction and evaluation of vocal folds implants for partial or total laryngectomy reconstruction	9/19/2008	8/31/2010	R0302278	\$66,412	2	
Thomson, Scott	McGill Univ (NIH)	Design, construction, and evaluation of vocal folds implants for partial or total laryngectomy reconstruction	9/19/2008	8/31/2009	R0302278	\$74,175	2	
Tree, Dale	Babcock & Wilcox (DOE)	Demonstration of Ash Deposition and Gas Composition	6/26/2008	6/30/2009	R0302272	\$23,968	2	
Tree, Dale	Babcock & Wilcox (DOE)	Demonstration of Ash Deposition and Gas Composition	6/26/2008	8/31/2010	R0302272	\$29,864	2	
Tree, Dale	DOE (Babcock and Wilcox)	Gas Composition, Deposit Collection and Deposit Chemical Analysis Related to Corrosion in a Swirled-burner, Pulverized Coal Reactor	6/26/2008	12/31/2009	R0302272	\$50,000	2	
Tree, Dale	Reaction Engineering International (DOE)	characterization of Oxy-combustion Impacts on Existing Coal Fired Boilers	10/1/2008	9/30/2011	R0302277	\$57,600	2	
Tree, Dale	Babcock & Wilcox (DOE)	A Comparison of Corrosion Potential Between Air and Oxy-Combustion for Swirl - Stabilized, Pulverized Coal Flames	9/17/2009	8/31/2011	R0302307	\$258,250	2	
Tree, Dale	Babcock & Wilcox	Demonstration of Ash Deposition and Gas Composition	6/26/2008	3/31/2009	R0602257	\$47,078	4	
Tree, Dale	w/Webb, Brent	Air Liquide	Measurements of Flame Stability, Heat, Flux, and Temperature and Modeling of Radiative Heat Transfer for an Oxy-fuel Flame	5/1/2009	5/1/2013	R0602288	\$147,950	4
Vanderhoff, Julie C	NSF	The propagation and breaking of topographically generated internal waves in the ocean and atmosphere	8/15/2009	8/31/2011	R0112150	\$160,000	1	
Webb, Brent	Air Liquide	Measurements of Flame Stability, Heat, Flux, and Temperature and Modeling of Radiative Heat Transfer for an Oxy-fuel Flame	5/1/2009	5/1/2013	R0602288	\$147,950	4	

*School of Technology*

Parkinson,  
Alan

NSF	Development of a Scalable and Sustainable Infrastructure for Global, Collaborative Engineering Design Education	9/15/2009	8/31/2010	R0112146	\$175,000	1
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Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private

Department Totals

Chemical Engineering	\$1,256,932
Civil & Environmental Engineering	\$725,652
Electrical & Computer Engineering	\$3,441,676
Mechanical Engineering	\$4,260,835
School of Technology	\$175,000
<b>College Total:</b>	<b>\$9,860,095</b>

# Engineering & Technology Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>No. Awarded</b>	<b>Amount</b>
<b>Federal Sponsors</b>		
AFRL	1	\$30,000
BLM (State of Utah)	1	\$25,242
Bureau of Reclamation	1	\$45,000
EPA	1	\$10,000
Forest Service	1	\$10,000
NIH	5	\$440,448
NIH (NIDCD)	3	\$497,076
NSF	14	\$1,234,127
ONR	3	\$914,858
Sandia National Lab	1	\$48,000
US Army	1	\$255,666
USDA Forest Service – Rocky Mountain Research Station	1	\$150,000
<i>Total</i>	33	\$3,660,417

# Engineering & Technology

## Source Breakdown of Grants and Contracts

<b>Federal Subcontracts Sponsors</b>		
Advanced Metal Products (ONR)	1	\$109,457
AMP (ONR)	1	\$8,932
Applied Physics Lab (NSF)	1	\$30,000
B&W (DOE)	3	\$312,082
Clemson (DARPA)	1	\$248,620
Clemson (DOE)	1	\$65,023
DOE (Babcock and Wilcox)	1	\$50,000
DOE (U of U)	1	\$50,000
INL	1	\$41,547
INL (DOE)	1	\$14,854
IPCOM, Inc.	1	\$80,391
IPITEK	2	\$96,095
Los Alamos Nat'l Lab	1	\$70,000
McGill Univ (NIH)	2	\$140,587
Mosaic ATM	1	\$115,800
Mosaic ATM (Navy)	2	\$37,455
NAIC at Cornell (NSF)	1	\$120,750
NASA	1	\$181,868
Naval Research lab	1	\$25,545
NCMR/PNNL	1	-\$25,000
NCMR/PNNL (DOE)	1	\$103,508
NSIDC (Univ of CO)	1	\$10,250
Oklahoma State Univ (USDA)	1	\$61,106
Oregon State (DOE)	1	\$115,294
Oregon State (JPL)	1	\$26,943
Procerus (AFOSR)	1	\$449,987
Reaction Engineering Int'l (DOE)	1	\$57,600
Sandia National Lab	2	\$90,000
Space Dynamics Lab (USU)	1	\$59,545
SRA (Air Force)	1	\$51,172
Toyon Corp (SBIR)	1	\$25,000
UC Santa Cruz	2	\$105,496
UC Santa Cruz (AFRL)	1	\$82,083
UC Santa Cruz (NIH)	1	\$73,250
U of U (NASA)	1	\$30,000
UCSD (ARO)	1	\$41,098
Univ Colorado (NASA)	2	\$122,164
USC (DARPA)	2	\$191,472
USU (DOE)	1	\$80,000
USU Space Dynamics Lab (NASA)	1	\$87,011
<i>Total</i>	50	\$3,636,985

# Engineering & Technology

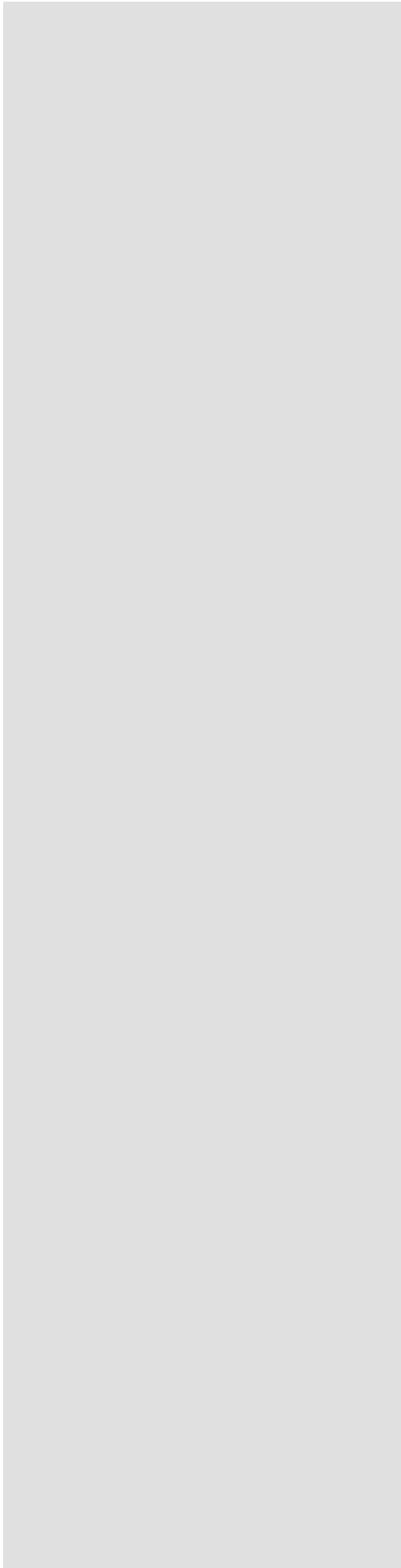
## Source Breakdown of Grants and Contracts

### State Sponsors

Central UT Water Conservancy District	3	\$170,544
Chevron (U of U)	1	\$73,539
DOE ( U of U)	1	\$120,000
UDOT	5	\$271,190
UT DOWR	1	\$8,100
<i>Total</i>	11	\$643,373

### Private Sponsors

AICHe – DIPPR	1	\$325,000
Air Liquide	1	\$295,900
ATK Space Systems	1	\$52,635
Babcock & Wilcox	1	\$47,078
CCI Valve Control	1	\$50,000
CIBA Corp.	1	\$12,593
CIBA Vision	1	\$31,500
Concepts NREC	1	\$41,667
Crocker Spinal Tech	1	\$112,500
D.O.N.G. Energy	1	\$97,436
Freeling, Inc	1	\$127,370
Genscape Inc.	1	\$40,625
Hitachi	1	\$35,000
JFC Engineers	1	\$14,000
JFE Steel	1	\$8,750
Microsoft	1	\$111,332
Mitsubishi	1	\$8,750
Nano-injection Tech	1	\$97,500
Pratt & Whitney	3	\$225,245
SEAKR Engineering	1	\$35,000
SKB	2	\$52,456
Sustainable Energy Solutions	1	\$53,042
Traficon	1	\$21,576
WM GTL Inc.	1	\$40,000
Xilinx Inc.	1	\$35,000
<i>Total</i>	27	\$1,919,320

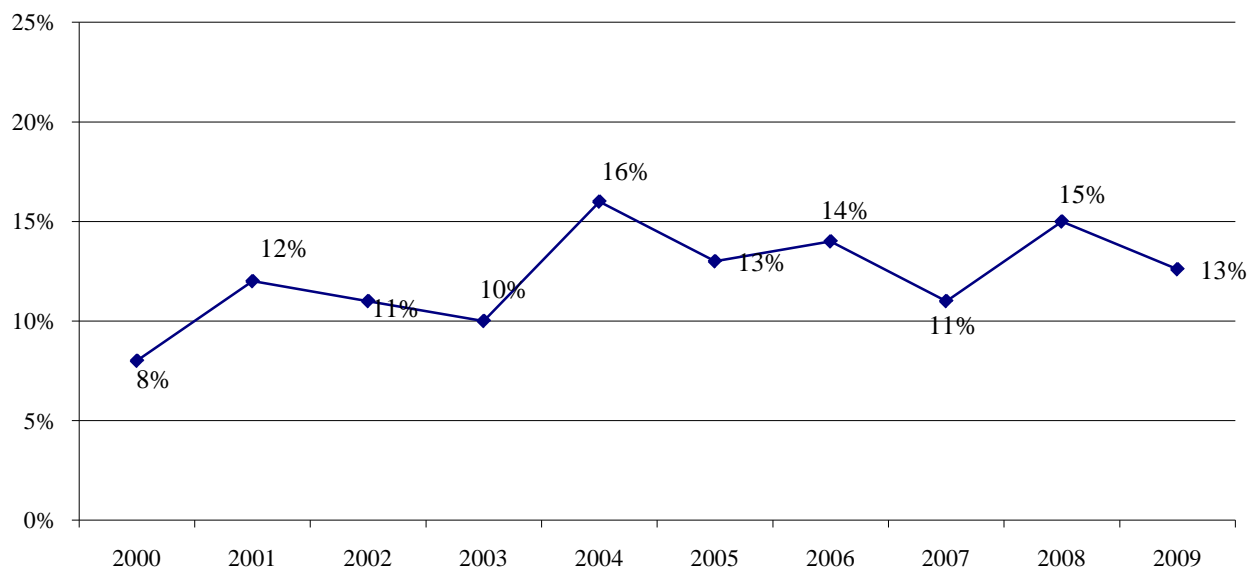


# College of Family, Home & Social Sciences

# Summary of Sponsored Research (Grants & Contracts)

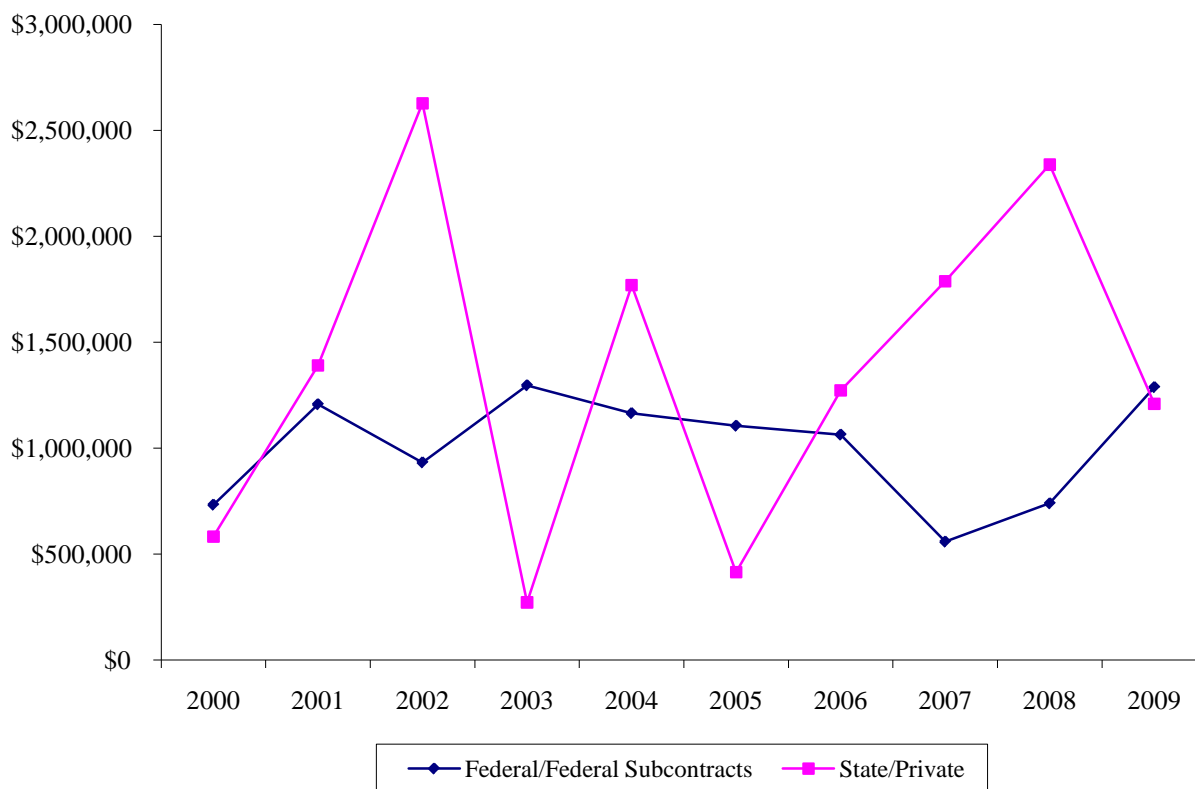
Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Anthropology	10	0	0	0	\$0
Center for Studies of the Family		0	0	0	\$0
Economics	22	1	2	0	\$0
Geography	10	4	3	0	\$0
History	38	1	1	1	\$8,000
Home and Family Living		0	0	0	\$0
Joseph Fielding Smith Institute		0	0	0	\$0
Marriage & Family Therapy		0	0	0	\$0
Marriage, Family & Human Development		0	0	0	\$0
Museum of Peoples & Cultures		1	2	0	\$0
Office of Public Archaeology		1	6	9	\$690,242
Political Science	25	3	3	3	\$238,644
Psychology	28	2	4	8	\$718,508
School of Family Life	33	4	4	3	\$61,483
Social Work	8	0	0	0	\$0
Sociology	17	7	10	9	\$779,964
Women's Research Institute		1	2	0	\$0
<b>TOTALS</b>	191	24	37	33	\$2,496,841

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2000	\$733,017	\$582,613	\$1,315,630
2001	\$1,206,835	\$1,390,664	\$2,597,499
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





# Family, Home & Social Sciences 2009 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>History</b>								
Daynes, Kathryn		Family and Church History Department	Asian Catalog	8/1/2009	9/30/2009	R0702010	\$8,000	4
<b>Office of Public Archeology</b>								
Talbot, Richard		School and Institutional Trust Lands Admin (State of UT)	Archeological Investigations at Jackson Flat Reservoir and Elsewhere	7/31/2009	7/31/2012	R0402151	\$500,000	3
Talbot, Richard		Bighorn Archeological Consultants	Jackson Flat Reports	10/6/2008	1/31/2009	R0602266	\$4,000	4
Talbot, Richard		Idaho Power	Hagerman Area Cultural Resource Monitoring Project 2009	2/16/2009	12/31/2009	R0602273	\$44,251	4
Talbot, Richard		Trees, Inc..	Sigurd to West Cedar Site Remediation	3/24/2009	3/31/2010	R0602274	\$10,000	4
Talbot, Richard		Trees, Inc.	Sigurd to West Cedar Site Remediation	3/24/2009	3/31/2010	R0602274	\$39,719	4
Talbot, Richard		Trees, Inc..	Meeting House Cabin site	4/22/2009	8/8/2009	R0602278	\$1,600	4
Talbot, Richard		Trees, Inc..	ARCADIS Mapping Project	5/11/2009	12/31/2009	R0602279	\$10,000	4
Talbot, Richard		Trees, Inc.	ARCADIS Mapping Project	5/11/2009	12/31/2009	R0602279	\$19,624	4
Talbot, Richard		Trees, Inc.	ARCADIS Mapping Project	5/11/2009	12/31/2009	R0602279	\$14,058	4
Talbot, Richard		JBR Environmental Consultants Inc.	Gordon Gray Project	6/15/2009	7/30/2009	R0602284	\$7,500	4
Talbot, Richard		William Self Associates, Inc.	UNEV Ceramic Analysis and Reporting	7/1/2009	12/31/2009	R0602290	\$10,000	4
Talbot, Richard		Idaho Power	Transmission Line 220 and Line 165 Cultural Resource Surveys (Projects #CR-2009-26&27)	8/26/2009	12/31/2009	R0602297	\$29,490	4
<b>Political Science</b>								
Findley, Michael		NSF	Terror, ConflictProcesses, Organizations, & Ideologies: Completing the Picture	9/15/2009	8/31/2011	R0112152	\$65,802	1
Findley, Michael	w/Hawkins, Darren	Gates Foundn(W&M)	The Project-Level AID Database	6/10/2009	6/30/2010	R0502102	\$40,710	4
Hawkins, Darren		Gates Foundn(W&M)	The Project-Level AID Database	6/10/2009	6/30/2010	R0502102	\$40,711	4
Nielson, Daniel	w/Hawkins, Darren	Gates Foundn(W&M)	The Project-Level AID Database	6/10/2009	6/30/2010	R0502102	\$40,710	4
Wilson, Sven	w/Hawkins, Darren	Gates Foundn(W&M)	The Project-Level AID Database	6/10/2009	6/30/2010	R0502102	\$40,711	4

Magleby, David	Rockefeller Brothers Fund	Understanding the Surge in Civic Participation	10/5/2009	12/31/2010	R0502115	\$10,000	4	
<b>Psychology</b>								
Steffensen, Scott	NIH/ NIAAA	Neuropharmacological Substrates of Alcohol Addiction	8/1/2009	7/31/2010	R0102002	\$291,300	1	
Steffensen, Scott	U of New Mx (NIH NIMH)	Age-dependent presynaptic Action of Pregnenolone Sulfate	2/1/2009	1/31/2010	R0302131	\$30,000	2	
Bigler, Erin	Columbus Childrens' Hospital (NIH)	Social Outcomes in Pediatric Traumatic Brain Injury	6/1/2009	5/31/2010	R0302184	\$9,817	2	
Bigler, Erin	U of U (NIH)	Atypical Late Neurodevelopment in Autism: A Longitudinal MRI and DTI Study	8/1/2009	7/31/2010	R0302228	\$75,375	2	
Carpenter, Bruce	Utah State Dept of Corrections	BYU Student Psychological Services: Mental Health	10/1/2008	9/30/2013	R0402139	\$200,000	3	
Bigler, Erin	Neuroimaging	Neuroimaging (entry for a June award)	4/1/1991	12/31/2009	R0600381	\$18,695	4	
Bigler, Erin	US District Court	Expert Witness	5/8/2009	5/8/2010	R0600381	\$9,250	1	
Hardy, Sam	Candeo	Candeo Outcome Study	4/1/2009	11/30/2009	R0602300	\$3,756	4	
Bigler, Erin	Ohio Children's Hospital Research Institute	Social Outcomes in Pediatric Traumatic Brain Injury	6/1/2009	5/31/2010	Ro302184	\$80,315	2	
<b>School of Family Life</b>								
Yorgason, Jeremy	SLC VA	RHRC Research Project	9/1/2009	8/31/2010	R0302304	\$31,200	2	
Busby, Dean	State of Utah Department of Workforce Services	REI	7/1/2009	6/30/2010	R0402129	\$8,434	3	
Holman, Thomas	w/Busby, Dean	State of Utah Department of Workforce Services	REI	7/1/2009	6/30/2010	R0402129	\$8,433	3
Larson, Jeffry	w/ Busby, Dean	State of Utah Department of Workforce Services	REI	7/1/2009	6/30/2010	R0402129	\$8,433	3
Hawkins, Alan	Public Strategies	Does Marriage and Relationship Education Work for Lower Income Couples? A Synthesis of Research	5/15/2009	8/31/2009	R0602282	\$4,983	4	
<b>Sociology</b>								
Forste, Renata	SLC VA	Follow up Veterans Perceptions Study	9/28/2009	9/28/2011	R0202292	\$173,192	1	
Ward, Carol	Provo School District	21st Century After School Program Assessment: Special Analysis	11/26/2008	10/10/2013	R0302145	\$3,000	2	

Ward, Carol	Provo School District	21st Century After School Program: Amelia Earheart, Lakeview, and Spring Creek Elementary Schools	9/1/2009	8/31/2014	R0302145	\$6,000	2
Ward, Carol	Chief Dull Knife College (NSF)	Integrated Math and Science Curriculum Evaluation	9/1/2009	8/31/2010	R0302226	\$10,000	2
Call, Vaughn	SLC VA	RHRC Research Project (entry from April award)	10/1/2009	9/30/2010	R0302268	\$97,191	2
Call, Vaughn	SLC VA	RHRC Research Project	10/1/2009	9/30/2010	R0302268	\$99,816	2
Erickson, Lance	SLC VA Health System	Rural Veteran Health Access Policy Studies	6/1/2009	5/30/2010	R0302291	\$276,633	2
Ward, Carol	SLC VA	RHRC Research Project	9/1/2009	8/31/2010	R0302301	\$28,632	2
Ward, Carol	Boys&Girls Club of Utah County	21st Century After School Program Assessment	8/1/2009	7/31/2010	R0502091	\$4,000	4
Phillips, Kristie	Natl Alliance for Public Charter Schools	SCO Services & Charter School Achievement	1/5/2009	5/1/2010	R0502107	\$20,600	4
Brown, Ralph	Rural Sociological Society	Treasurer & Executive Director Appointment	8/15/2009	8/15/2011	R0502112	\$60,900	4

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

Department Totals

Anthropology	\$0
Economics	\$0
Geography	\$0
History	\$8,000
School of Family Life	\$61,483
Joseph Fielding Smith Institute	\$0
Marriage & Family Therapy	\$0
Museum of Peoples & Cultures	\$0
Office of Public Archaeology	\$690,242
Political Science	\$238,644
Psychology	\$718,508
Social Work	\$0
Sociology	\$779,964
Women's Research Institute	\$0
<b>College Total:</b>	<b>\$2,496,841</b>

# Family, Home & Social Sciences

## Source Breakdown of Grants and Contracts

Sponsor	No. Awarded	Amount
<b>Federal Sponsors</b>		
NIH NIAAA	1	\$291,300
NSF	1	\$65,802
SLC VA	1	\$173,192
US District Court	1	\$9,250
<i>Total</i>	4	\$539,544
<b>Federal Subcontract Sponsors</b>		
Chief Dull Knife (NSF)	1	\$10,000
Columbus Children's Hospital (NIH)	1	\$9,817
Ohio Children's Hospital Research Institute	1	\$80,315
Provo School District	2	\$9,000
SLC VA	4	\$256,839
SLC VA Health System	1	\$276,633
U of U (NIH)	1	\$75,375
University of New Mexico (NIMH)	1	\$30,000
<i>Total</i>	12	\$747,979
<b>State Sponsors</b>		
School and Institutional Trust Admin (State of UT)	1	\$500,000
State of Utah Department of Workforce Services	1	\$25,300
UT State Dept of Corrections	1	\$200,000
<i>Total</i>	3	\$725,300
<b>Private Sponsors</b>		
Bighorn Arch. Consultants	1	\$4,000
Boys & Girls Club of Utah County	1	\$4,000
Candeo	1	\$3,756
Family and Church History Department	1	\$8,000
Gates Foundation (W&M)	1	\$162,842
Idaho Power	2	\$73,741
JBR Environmental Consultants Inc.	1	\$7,500
National Alliance for Public Charter Schools	1	\$20,600
Neuroimaging	1	\$18,695
Public Strategies	1	\$4,983
Rockefeller Brothers Fund	1	\$10,000
Rural Sociological Society	1	\$60,900
Trees, Inc.	6	\$95,001
William Self Associates, Inc.	1	\$10,000
<i>Total</i>	20	\$484,018

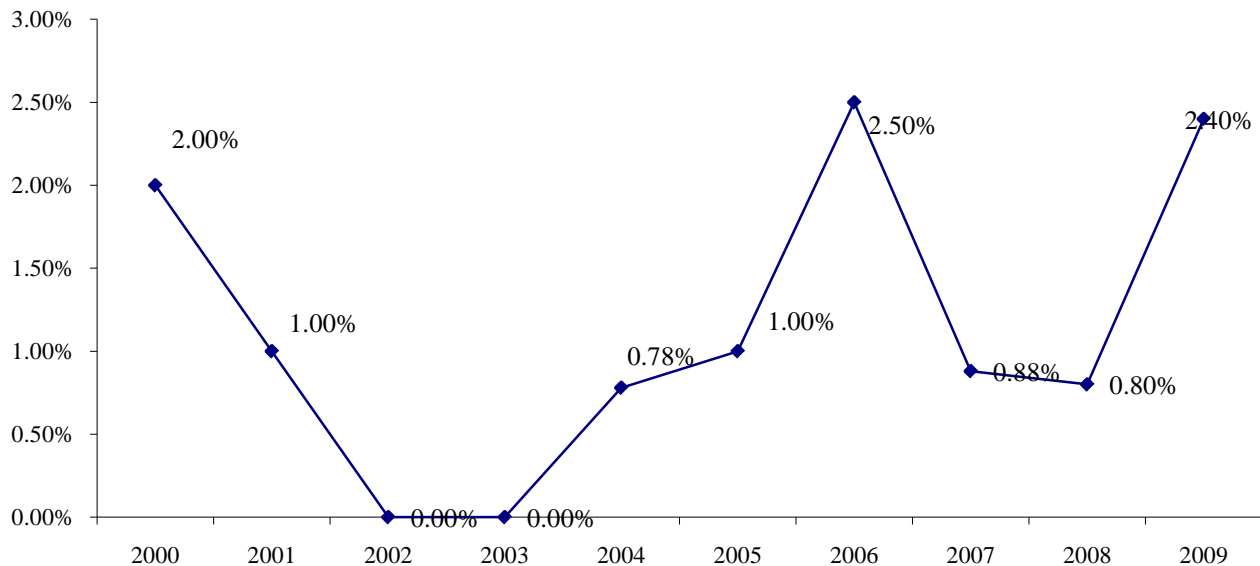


# College of Fine Arts & Communications

# Summary of Sponsored Research (Grants & Contracts)

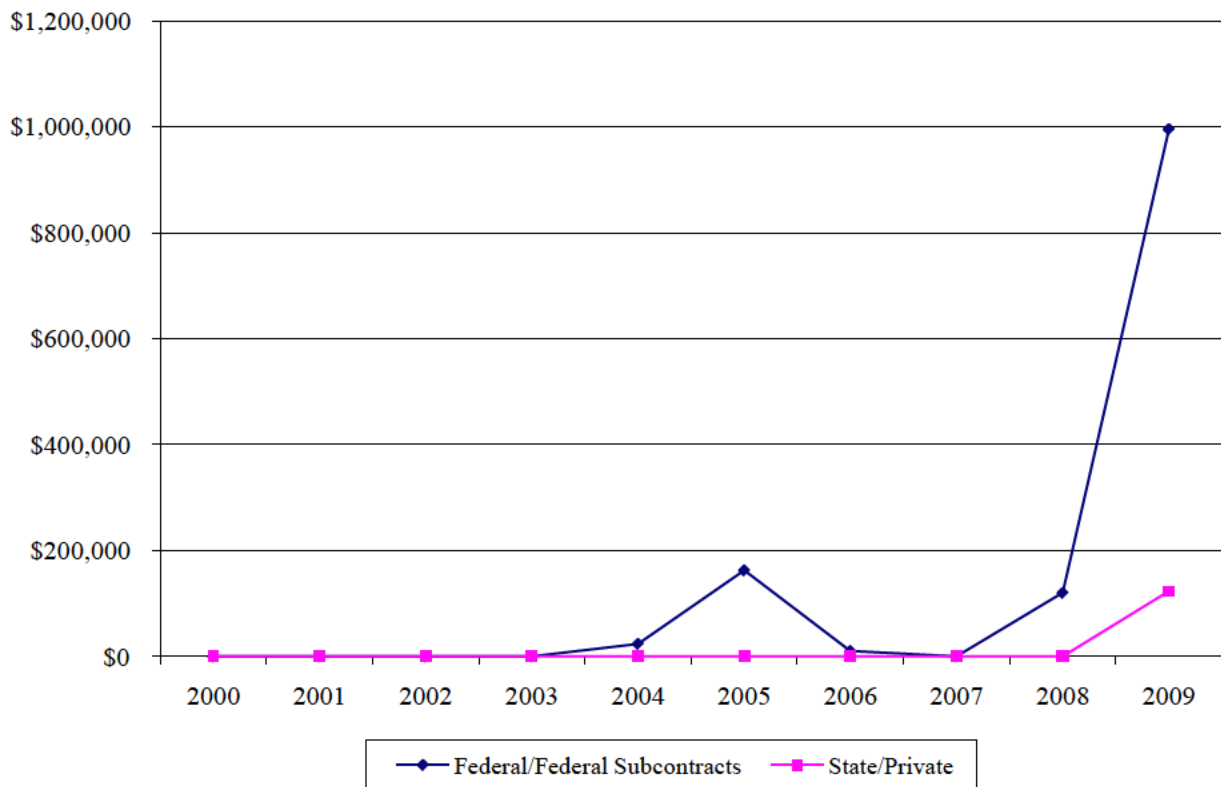
Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Communication	16	0	0	1	\$39,000
Dance	13	0	0	1	\$59,000
Museum of Art		3	3	3	\$961,296
School of Music	46	0	0	1	\$59,000
Theatre & Media Arts	23	0	0	0	\$0
Visual Arts	29	0	0	0	\$0
<b>TOTALS</b>	127	3	3	6	\$1,118,296

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2000	\$0	\$0	\$0
2001	\$0	\$0	\$0
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



# Fine Arts & Communications

## Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>No. Awarded</b>	<b>Amount</b>
<b>Federal Sponsors</b>		
IMLS	2	\$936,396
NEA	1	\$20,000
<i>Total</i>	3	\$956,396
<b>Federal Subcontract Sponsors</b>		
Advertising Council (US Forest Service)	1	\$39,000
<i>Total</i>	1	\$39,000
<b>State Sponsors</b>		
Utah Office of Museum Services	1	\$4,900
Utah State Office of Edu	1	\$118,000
<i>Total</i>	2	\$122,900
<b>Private Sponsors</b>		
None		
<i>Total</i>	6	\$1,118,296

<b>Department Totals</b>	
Theatre & Media Arts	\$0
Communications	\$39,000
Dance	\$59,000
Museum of Art	\$961,296
School of Music	\$59,000
<b>College Total:</b>	<b>\$1,118,296</b>



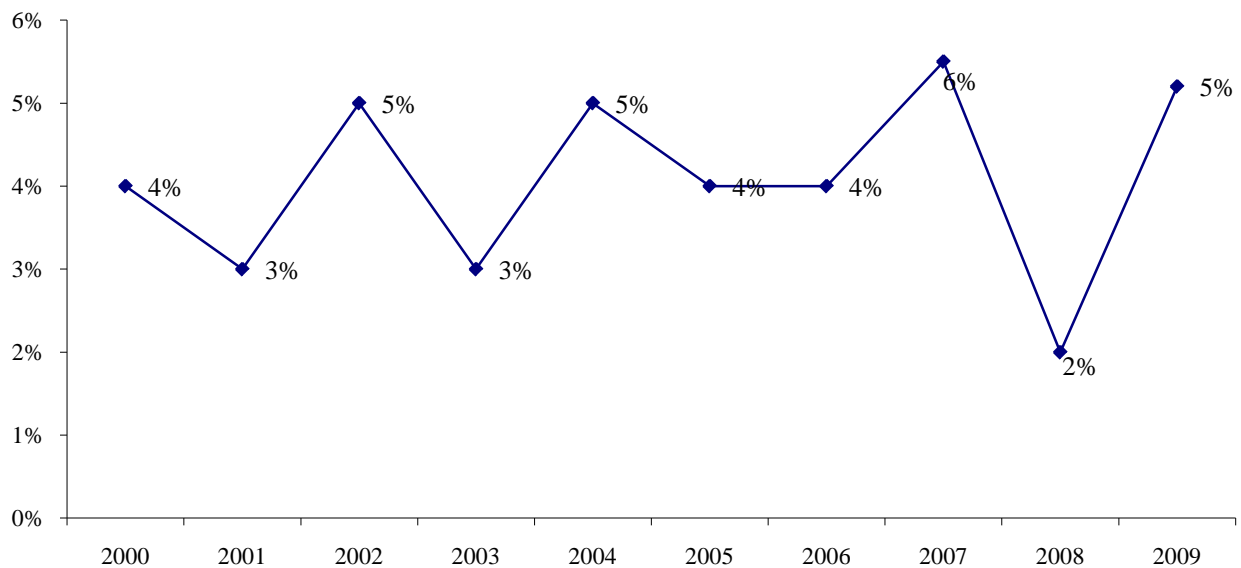


# College of Humanities

# Summary of Sponsored Research (Grants & Contracts)

Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Asian & Near Eastern Languages	17	3	10	8	\$2,212,114
English	53	2	1	1	\$30,000
French & Italian	12	0	0	0	\$0
German & Slavic Languages	16	1	1	1	\$125,292
Hum, Classics & Comparative Lit	23	0	0	1	\$349,155
Linguistics	20	2	2	1	\$199,926
Philosophy	10	0	0	0	\$0
Spanish & Portuguese	23	1	1	1	\$20,476
<b>TOTALS</b>	174	9	15	13	\$2,936,964

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2000	\$75,574	\$50,000	\$125,574
2001	\$385,376	\$328,672	\$714,048
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



# Humanities 2009 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Beg Date</u>	<u>End Date</u>	<u>Account</u>	<u>Amount</u>	<u>Type</u>
<i>Asian &amp; Near Eastern Languages</i>								
Belnap, Kirk		Dept of Education	NMELRC Bilingual ESL Endorsement	8/15/2009	8/14/2010	R0132014	\$335,000	1
Belnap, Kirk		NSA - NFLC	BYU Startalk Summer Arabic Camp	6/2/2009	2/28/2010	R0202272	\$109,914	1
Christensen, Matthew		NSA - NFLC	BYU Chinese Teacher Training Workshop 2009, Ch Teach Pgm	6/2/2009	2/28/2010	R0202273	\$28,476	1
Bougerie, Dana		NSA - NFLC	BYU Chinese Language Summer Camp-Student Program	6/2/2009	2/28/2010	R0202274	\$111,524	1
Bougerie, Dana		Ins Intl Edu (DOD)	Nanjing Chinese Flagship Center	6/1/2008	5/31/2009	R0302183	\$164,682	2
Bougerie, Dana		Institute of Intl Edu	BYU Chinese Flagship Center	6/1/2009	5/31/2012	R0302313	\$1,042,689	2
Bougerie, Dana		Institute of Intl Edu	BYU Chinese Flagship Center	6/1/2009	5/31/2012	R0302314	\$345,404	2
Bourgerie, Dana		Institute of Intl Edu	Chinese Flagship Assessment	9/1/2009	8/31/2010	R0302321	\$74,425	2
<i>Center for Language Studies</i>								
Clifford, Ray		SERCO (ADL CoLab)	Computer Scoring of Language Tests	8/27/2009	2/26/2010	R0302305	\$125,292	2
<i>English</i>								
Crow, Christopher Dean, Deborah	w/Dean, Deborah	Nat. Writing(DoED)	Central Utah Writing Project	2/1/2009	6/30/2009	R0302280	\$15,000	2
		Nat. Writing(DoED)	Central Utah Writing Project	2/1/2009	6/30/2009	R0302280	\$15,000	2
<i>Humanities, Classic &amp; Comparative Literature</i>								
Bay, Stephen Macfarlane, Roger	w/Macfarlane, Roger	Natnl Endow Humanit	Multispectral Imaging Project	5/1/2009	4/30/2011	R0202265	\$174,578	1
		Natnl Endow Humanit	Multispectral Imaging Project	5/1/2009	4/30/2011	R0202265	\$174,577	1
<i>Linguistics</i>								
Davies, Mark		Natnl Endow Humanit	A 200 Million Word Online Corpus of Historical American English	5/1/2009	12/31/2009	R0202266	\$199,926	1
<i>Spanish &amp; Portuguese</i>								
Hague, Daryl Melby, Alan	w/Hague, Daryl	NWB Technology	Translation screening tests	3/13/2009	6/13/2010	R0602275	\$10,238	4
		NWB Technology	Translation screening tests	3/13/2009	6/13/2010	R0602275	\$10,238	4

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

Department Totals	
Asian & Near Eastern Languages	\$2,212,114
Center for Language Studies	\$125,292
English	\$30,000
French & Italian	\$0
German & Slavic Languages	\$0
Hum, Classics & Comparative Lit	\$349,155
Humanities Research Center	\$0
Linguistics	\$199,926
Philosophy	\$0
Spanish & Portuguese	\$20,477
<b>College Total:</b>	<b>\$2,936,964</b>

# Humanities

## Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>No. Awarded</b>	<b>Amount</b>
<b>Federal Sponsors</b>		
Dept of Education	1	\$335,000
National Endowment for Humanities	2	\$549,081
NSA – NFLC	3	\$249,914
<i>Totals</i>	5	\$1,133,995
<b>Federal Subcontracts Sponsors</b>		
Institute of International Education	4	\$1,628,200
National Writing (DoED)	1	\$30,000
SERCO (ADL CoLab)	1	\$125,292
<i>Totals</i>	2	\$1,782,492
<b>Private</b>		
NWB Technology	1	\$20,477
<i>Totals</i>	1	\$20,477

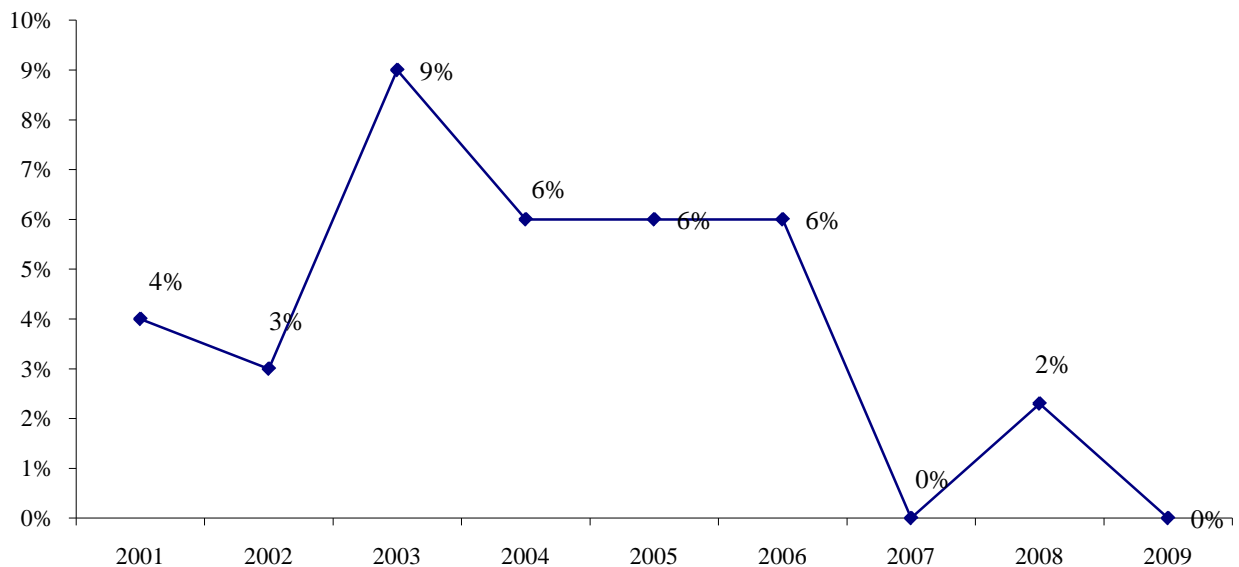


# J. Reuben Clark Law School

# Summary of Sponsored Research (Grants & Contracts)

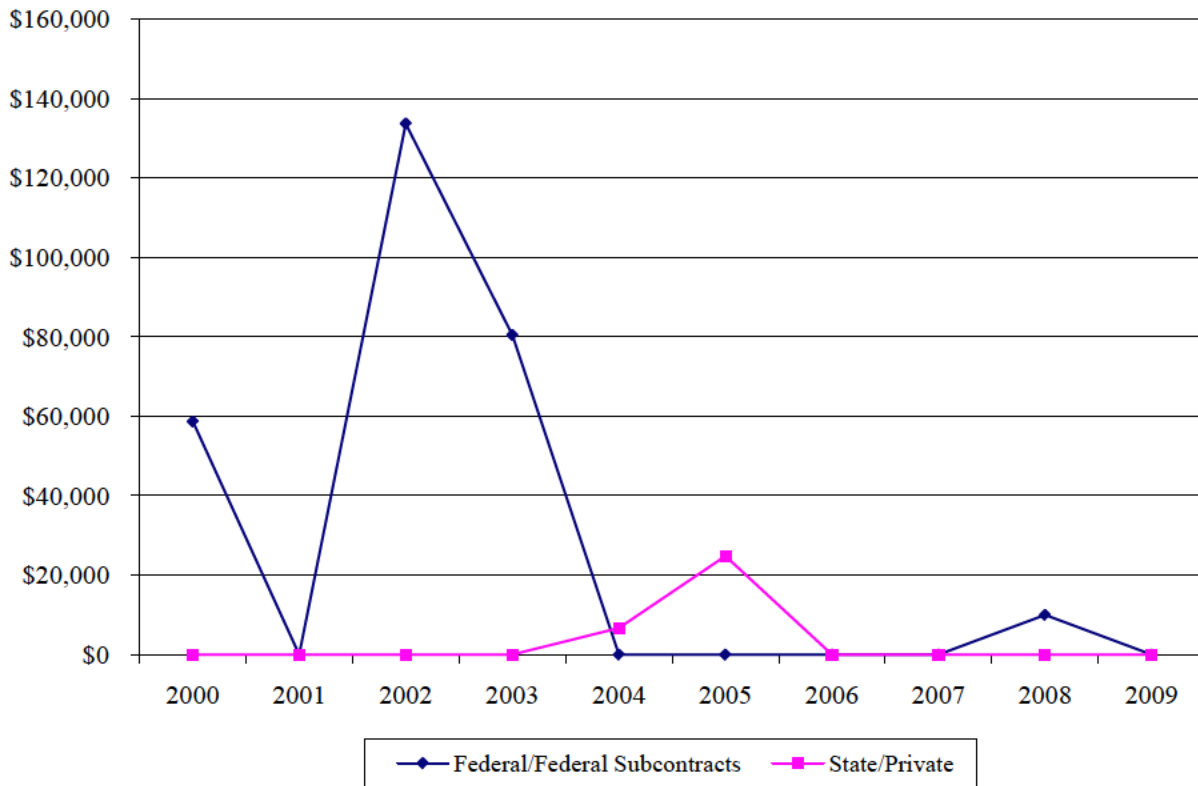
Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Law School	42	0	0	0	\$0
<i>TOTALS</i>	42	0	0	0	\$0

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2000	\$58,650	\$0	\$58,650
2001	\$0	\$0	\$0
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



Department Totals  
 Law School  
**College Total:**

\$0  
 \_\_\_\_\_  
 \$0



# J. Reuben Clark Law School

## Source Breakdown of Grants and Contracts

<u>Sponsor</u>	<u>Number Awarded</u>	<u>Total Amount</u>
<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>	_____

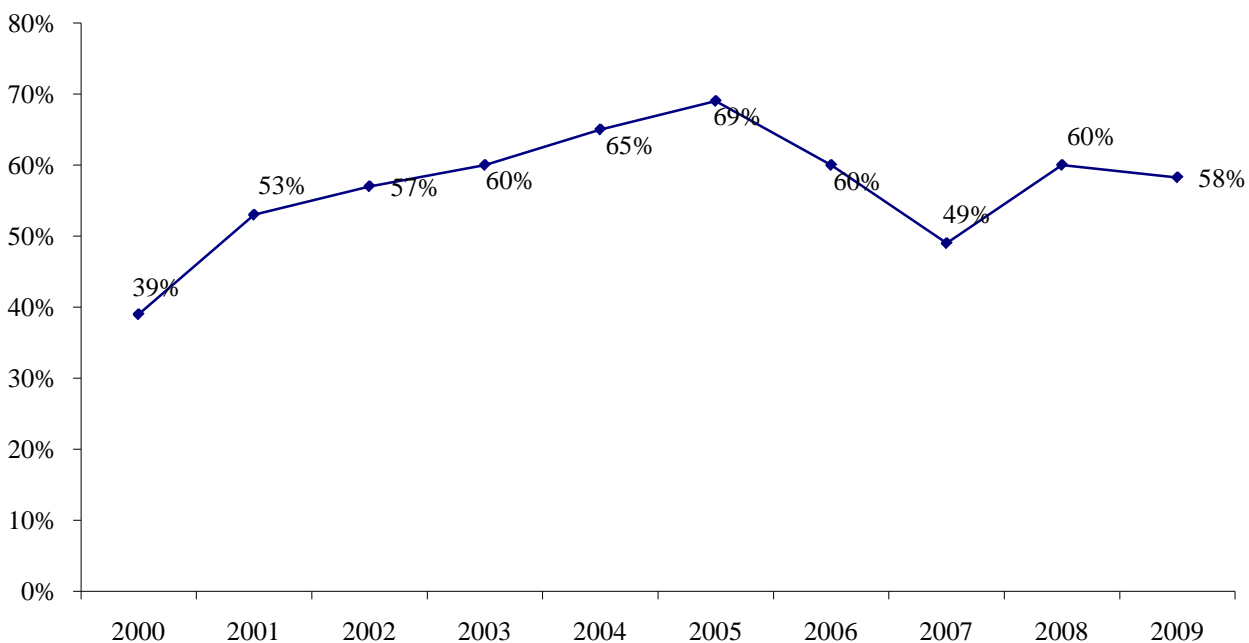


# College of Life Sciences

# Summary of Sponsored Research (Grants & Contracts)

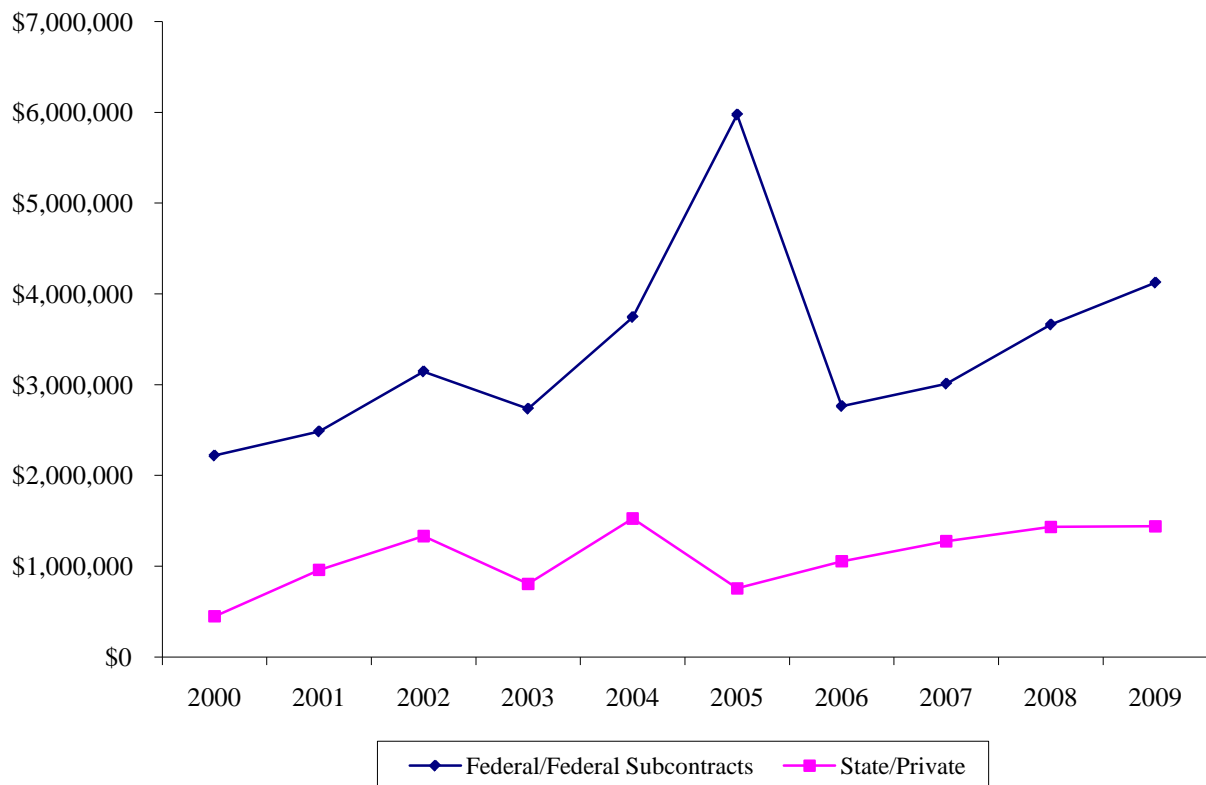
Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Integrative Biology	23	21	33	25	\$1,248,719
Exercise Science	19	0	0	2	\$34,106
Health Science	14	1	2	2	\$6,976.20
Microbiology & Molecular Biology	18	14	26	3	\$518,900
Nutrition, Dietetics & Food Science	14	3	6	7	\$528,439
Physiology & Developmental Biology	17	11	14	12	\$1,332,954.48
Plant & Wildlife Science	22	24	39	31	\$1,817,873.66
<b>TOTALS</b>	127	74	120	82	\$5,487,968

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2000	\$2,218,777	\$447,877	\$3,985,131
2001	\$2,484,780	\$958,960	\$7,240,131
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



# College of Life Sciences 2009 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>
<b>Monte Bean Life Science Museum</b>							
St. Clair, Larry		Partnership School Dist	Education Partnership	8/1/2009	7/31/2010	\$24,000	4
<b>Biology</b>							
Adams, Byron		NSF	Framework for Distrib and Phylogeny of NA Tardigrada	7/10/2006	3/31/2010	\$42,207	1
Adams, Byron		NSF	REU: Tardigrades of the LTER Sites.	5/22/2009	3/31/2009	\$15,000	1
Adams, Byron		NSF	Collaborative Research: Metazoans in Trans Antarctic Range	7/15/2009	6/30/2011	\$50,571	1
Crandall, Keith		NSF	REU Supplement to Decapod AToL	3/16/2009	2/28/2010	\$6,000	1
Crandall, Keith		NSF	A Tree of Life - Phlogeny of Decapod Cursataceans	6/13/2009	2/28/2011	\$250,000	1
Crandall, Keith	w/ Johnson, Jerald	NSF	Speciation on Patagonia	10/1/2005	9/30/2010	\$107,749	1
Hanegan, Nikki	w/Crandall, Keith	NSF	REU Supplement to Decapod AToL	3/16/2009	2/28/2010	\$6,000	1
Hanegan, Nikki	w/Udall, Joshua	Iowa State U(NSF)	Comparative Evolutionary Genomics of Cotton	3/1/2009	2/28/2010	\$70,214	2
Johnson, Jerald		NSF	Speciation on Patagonia	10/1/2005	9/30/2010	\$107,750	1
Johnson, Leigh		BLM-Utah	Cycladenia Humilis continuation project	5/21/2009	8/30/2013	\$15,000	1
Johnson, Leigh	w/ Johnson, Jerald	NSF	Speciation on Patagonia	10/1/2005	9/30/2010	\$107,750	1
Kauwe, John		Washington U. (NIH)	Genomic search for susceptibility to Alzheimer disease	9/1/2009	8/31/2010	\$76,337	2
Nelson, C. Riley		Acad Nat Sci (NSF)	Survey and inventory of the aquatic insects of the Mongolia mtn	2/1/2008	1/31/2010	\$34,457	2
Peck, Steven		USDA-ARS Forest Svc	Evaluation and Integration of Insect Resistance Models	8/4/2009	8/31/2010	\$25,000	1
Roeder, Beverly		USDA - Forest Service	Stable Isotope Ecology of Great Basin National Park	8/1/2009	9/30/2010	\$5,000	1
Rogers, Duke		NSF	Curation, Data-Basing and Intefration of the Orphaned Illinois Mammal Collection	4/1/2008	3/31/2010	\$22,200	1
Shiozawa, Dennis		Colorado Dept of Wildlife	Genetic Analysis of Cutthroat Trout	4/27/2009	12/31/2009	\$4,990	4
Shiozawa, Dennis		UT DWR	Genetic Analysis of Utah Cutthroat Trout (entry for a July award)	6/1/2009	5/31/2010	\$78,750	3
Sites, Jack		NSF	REU Supplement to NSF 0334966	4/9/2009	12/31/2009	\$6,000	1
Sites, Jack	w/ Johnson, Jerald	NSF	Speciation on Patagonia	10/1/2005	9/30/2010	\$107,750	1
Song, Hojun		NSF	REU Supplement to Phylogenetic Systematics of Orthoptera	3/16/2009	8/31/2011	\$6,000	1
St. Clair, Larry		USDA - Forest Service	Establish of a Lichen Air Quality Biomonitor baseline	3/23/2009	12/31/2011	\$10,388	1
St. Clair, Larry		USDA Forest Svc	Extension of the Lichen AQ Baseline High Uintas WA	5/8/2009	8/12/2010	\$1,518	1
St. Clair, Larry		USDA - Forest Service	Review of Lichen Air Quality Baseline	6/1/2009	9/30/2010	\$18,123	1
St. Clair, Larry		USDA - Forest Service	Reevaluation of Lichen Air Quality Biomonitoring Baseline	7/27/2009	7/31/2010	\$10,243	1
St. Clair, Larry		Public School Partnership	Education Partnership with the Bean Museum	8/1/2009	7/31/2010	\$24,000	4
St. Clair, Larry		USDA Forest Svc	Expand AQ Baseline	8/2/2005	5/31/2011	\$3,500	1
Whipple, Clinton		CSHL(USDA)	Regulation of Bract Suppression in the Cereals	9/1/2009	8/31/2010	\$64,436	2
Whiting, Michael		NSF	REU Supplement to Assembling with Beetle Tree of Life	3/16/2009	9/30/2009	\$12,000	1
Whiting, Michael	w/Song, Hojun	NSF	REU Supplement to Phylogenetic Systematics of Orthoptera	3/16/2009	8/31/2011	\$6,000	1
<b>Exercise Science</b>							

Hunter, Iain	USA Track & Field	Hammer Throw Analysis	9/16/2009	9/16/2010	\$4,000	4	
Knight, Kenneth	National Athletic Trainers' Association	NATA Education Council Chair	4/1/2009	6/30/2009	\$30,106	4	
<b>Health Science</b>							
Thygerson, Steven	UT Dept of Health	Assessment of Knowledge Perceptions and Attitudes of Utah Residents Regarding Residential Methamphetamine Contamination	1/5/2009	4/30/2009	\$3,976	3	
Thygerson, Steven	Spencer Ed. Foundation	Internship Grant	5/1/2009	7/31/2009	\$3,000	4	
<b>Micro &amp; Molecular Biology</b>							
Griffitts, Joel	NIH	Modulation of two-component signaling in alphaproteobacteria	2/15/2009	1/31/2012	\$225,000	1	
Lin, Chin-Yo	NIH	Alternative mechanisms of selective estrogen receptor modulation in cancer prevention	9/28/2009	8/31/2010	\$75,000	1	
Robison, Richard	Battelle Nat Biodefense	A Curated Archive of Viable Select Bacterial Agents	3/5/2008	3/4/2010	\$269,000	2	
Robison, Richard	Homeland Security	DNA Preparation from Characterized Strains of Biothreat Agents	7/6/2009	7/12/2010	\$24,900	1	
<b>Nutrition, Dietetic &amp; Food Sciences</b>							
Christensen, Merrill	NIH	Admin Supplement for Student and Science Educators (AARA)	6/3/2009	10/31/2009	\$76,904	1	
Ogden, Lynn	LDS Welfare Services	BYU Quality Food Laboratory	1/1/2009	12/31/2009	\$160,820	4	
Ogden, Lynn	Basic American Foods	Consumer Taste Preferences	1/1/2009	12/31/2009	\$5,136	4	
Ogden, Lynn	Basic American Foods	Consumer Sensory Panels	10/2/2009	10/2/2010	\$14,776	4	
Ogden, Lynn	Basic American Foods	Consumer Taste Preferences	8/1/1996	12/31/2009	\$61,028	4	
Ogden, Lynn	LDS Welfare Services	BYU Quality Assurance Laboratory	1/1/2010	12/31/2010	\$169,950	4	
Steele, Frost	Deseret Meats	Pathogen Analysis for Meat Products produced at Deseret	1/1/2009	12/31/2009	\$39,825	4	
<b>Physiology &amp; Developmental Biology</b>							
Barrow, Jeffery	NIH	Role of Fgf and Wnt5a signaling in limb outgrowth and patterning	8/12/2009	7/31/2012	\$225,000	1	
Barrow, Jeffery	NIH	The role of Fgf and Wnt5a signaling of limb mesenchyme	9/30/2009	9/29/2010	\$3,000	1	
Barrow, Jeffery	NIH	Role of Fgf and Wnt5a signaling in limb outgrowth and patterning	9/30/2009	9/29/2010	\$3,000	1	
Busath, David	Florida State (NIH)	Correlations: Structure-Dynamics-Functions in Channels	3/1/2009	2/28/2010	\$63,069	2	
Busath, David	NIH (Florida State U)	Correlation Structure, Function, and dynamics of mem protein	7/1/2009	2/28/2010	\$7,008	2	
Lephart, Edwin	Crocker Ventures	Resveratrol Technology Study	7/1/2009	6/30/2010	\$75,000	4	
Reynolds, Paul	FAMRI	Rage-Mediated effects of pulmonary inflammation and emphysema	7/1/2009	6/30/2010	\$108,000	4	
Reynolds, Paul	Flight Attendant MRI	RAGE mediated effects of pulmonary inflammation & emphysema	7/1/2009	6/30/2010	\$9,113	4	
Seegmiller, Robert	NIH	Common mechanisms of Osteoarthritis in three mouse models	6/1/2009	5/31/2011	\$225,000	1	
Stark, Michael	NIH	Genes Regulation Neurogenesis in the Trigeminal Placode	5/1/2009	4/30/2010	\$213,257	1	
Stark, Michael	NIH	Genes regulating neurogenesis in the trigeminal placode	6/1/2009	10/31/2009	\$12,485	1	
Winder, William	NIH	Regulations of Skeletal Muscle (entry for a June award)	7/1/2006	5/31/2010	\$314,022	1	
<b>Plant &amp; Wildlife Sciences</b>							
Allen, Phil	Forest Service	Evolutionary Ecology in Cheatgrass Rangelands	3/30/2008	12/1/2010	\$111,115	1	
Allen, Phil	USDA-Forest Service	Exploring the potential for use of Pyrenophora semeniperda	7/29/2006	7/30/2010	\$24,450	1	
Anderson, Val	UT DWR	Damage Assessment on Archaeological sites Dixie & Ely	9/1/2009	9/30/2010	\$20,000	3	
Anderson, Val	w/Roundy, Bruce	USDA(CSREES)	Innovative Use of Seed Coating Tech on Burned semi-arid land	9/1/2009	8/31/2012	\$145,533	1
Baxter, Rick	w/Larsen, Randy	Ut Reclam Mitg & Conserv	Recovery Study of Greater Sage Grouse in Strawberry Valley	5/1/2009	7/30/2010	\$21,666	3
Coleman, Craig	w/Fairbanks, Dan	McKnight Foundation	Sustainable Production of Quinoa	5/28/2009	2/28/2010	\$4,750	4

Fairbanks, Dan		McKnight Foundation	Sustainable Production of Quinoa	5/28/2009	2/28/2010	\$4,750	4
Flinders, Jerran	w/Larsen, Randy	Sportsmen for Fish&W.	Strawberry Valley Continuing Sage Grouse Research	5/11/2009	12/31/2010	\$12,500	4
Flinders, Jerran	w/Larsen, Randy	Utah Dept Nat Resource	Occurrence, Habitat use, and Limiting factors: Pygmy Rabbits	7/1/2009	6/30/2010	\$33,775	3
Flinders, Jerran	w/Larsen, Randy	Ut Reclam Mitg & Conserv	Recovery Study of Greater Sage Grouse in Strawberry Valley	5/1/2009	7/30/2010	\$21,667	3
Geary, Brad	w/Fairbanks, Dan	McKnight Foundation	Sustainable Production of Quinoa	5/28/2009	2/28/2010	\$4,750	4
Jellen, Eric	w/Fairbanks, Dan	McKnight Foundation	Sustainable Production of Quinoa	5/28/2009	2/28/2010	\$4,750	4
Jellen, Eric	w/Maughan, P. Jeffrey	NSF	Development of Genomic Tools for Orphaned Crops of S. Amer	9/1/2009	8/31/2010	\$3,760	1
Jellen, Eric	w/Udall, Joshua A.	USDA - Forest Service	Big Sagebrush DNA sequencing and alignment	7/13/2009	6/1/2014	\$12,000	1
Larsen, Randy		Sportsmen for Fish&W.	Strawberry Valley Continuing Sage Grouse Research	5/11/2009	12/31/2011	\$12,500	4
Larsen, Randy		Utah Dept Nat Resource	Occurrence, Habitat use, and Limiting factors: Pygmy Rabbits	7/1/2009	6/30/2010	\$33,776	3
Larsen, Randy		Ut Reclam Mitg & Conserv	Recovery Study of Greater Sage Grouse in Strawberry Valley	5/1/2009	7/30/2010	\$21,667	3
Larsen, Randy		Sportsmen for Fish Wildlife	Benefits, impacts, and proper spacing of water develop of chukars	7/22/2009	7/31/2010	\$10,000	4
Larsen, Randy		UT DWR	Water Development Placement and Wildlife Use FY10 Proj.	8/15/2009	6/30/2010	\$49,652	3
Larsen, Randy		UT DWR	Chukar Population and Release Evaluations FY10 #1506	7/1/2009	6/30/2010	\$28,567	3
Maughan, P. Jeffrey		NSF	Development of Genomic Tools for Orphaned Crops of S. Amer	9/1/2009	8/31/2010	\$3,760	1
Maughan, Peter	w/Fairbanks, Dan	McKnight Foundation	Sustainable Production of Quinoa	5/28/2009	2/28/2010	\$4,750	4
McMillan, Brock		UT DWR	Demography and behavior of a reintroduce River Otter	7/1/2009	6/30/2012	\$139,901	3
Petersen, Steven		USDA-Forest Service	Collection and Analysis of fire spatia data in great Basin '60-'09	8/17/2009	9/30/2012	\$32,967	1
Petersen, Steven		USDA - Forest Service	Variability in Mountain sagebrush seed production and post-fire	8/21/2009	9/30/2012	\$72,996	1
Petersen, Steven	w/Roundy, Bruce	USDA(CSREES)	Innovative Use of Seed Coating Tech on Burned semi-arid land	9/1/2009	8/31/2012	\$145,533	1
Roundy, Bruce		Jnt Fire Sci(USGS)	Effects of Fire & Surrogate Treatmt on Sagebrush	9/12/2005	5/22/2010	\$238,975	1
Roundy, Bruce		USDA - Forest Service	Modelling seedling root growth of Great Basin species	2/26/2009	9/30/2013	\$52,000	1
Roundy, Bruce		US Dept Interior(BLM)	Remote Sensing of Pinyon-Juniper	9/1/2009	8/31/2011	\$10,000	2
Roundy, Bruce		NEON, Inc	NEON Soils	6/1/2009	5/31/2010	\$3,672	4
Roundy, Bruce		USDA(CSREES)	Innovative Use of Seed Coating Tech on Burned semi-arid land	9/1/2009	8/31/2012	\$145,534	1
Smith, Tom		Polar Bear International	Wildlife and Wildlands Conservation Program	4/17/2009	12/31/2010	\$2,500	4
Smith, Tom		UT DWR	Desert Bighorn Research	4/17/2009	10/29/2009	\$63,000	3
Smith, Tom		Polar Bears International	Wildlife and wildland conservation	4/17/2009	12/31/2010	\$5,000	4
St. Clair, Sam		UC Lawrence Berkely NL(DOE)	An annual grassland mesocosm exploration of scaling from genomes to ecosystem function	6/30/2009	9/30/2010	\$14,169	2
Stevens, Mikel	w/Fairbanks, Dan	McKnight Foundation	Sustainable Production of Quinoa	5/28/2009	2/28/2010	\$4,750	4
Terry, Richard E.		NSF	Collaborative: Geochemical Detection of Ancient Maya Exch Env	10/1/2009	9/30/2011	\$83,550	1
Udall, Joshua		Cotton, Inc.	Sequencing Cotton Fiber EST's	1/1/2009	12/31/2009	\$20,000	4
Udall, Joshua		Iowa State U(NSF)	Comparative Evolutionary Genomics of Cotton	3/1/2009	2/28/2010	\$70,214	2
Udall, Joshua	w/Maughan, P. Jeffrey	NSF	Development of Genomic Tools for Orphaned Crops of S. Amer	9/1/2009	8/31/2010	\$3,760	1
Udall, Joshua		USDA - Forest Service	Big Sagebrush DNA sequencing and alignment	7/13/2009	6/1/2014	\$12,000	1
Udall, Joshua		Cotton, Inc.	Development and Application of next-generation sequence improve cotton	1/1/2010	12/31/2010	\$20,000	4
Webb, Bruce		USGS	Soil Analyssi	9/26/2008	9/30/2009	\$5,000	1
Webb, Bruce		USGS	Soil Samples	9/26/2009	9/25/2010	\$12,000	1

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

Department Totals	
Biology	\$1,294,933
Health Science	\$6,976
Exercise Science	\$34,106
Microbiology & Molecular Biology	\$593,900
Nutrition, Dietetics & Food Science	\$528,439
Physiology & Developmental Biology	\$1,257,954
Plant & Wildlife Science	\$1,747,659
Bean Museum	\$24,000
Benson	\$0
<b>College Total:</b>	<hr/> \$5,487,968



# Life Sciences

## Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>No. Awarded</b>	<b>Amount</b>
<b>Federal Sponsors</b>		
BLM - St of Utah	1	\$15,000
Homeland Security	1	\$111,115
Jnt Fire Sci (USGS)	1	\$238,975
NIH	10	\$1,372,668
NSF	12	\$947,807
USDA - Forest Service	14	\$391,300
USDA (CREES)	1	\$436,600
USGS	2	\$17,000
USGS, Dept Interior	1	\$265,652
<i>Total</i>	42	\$3,444,250
<b>Federal Subcontract Sponsors</b>		
Academy of Natural Science (NSF)	1	\$34,457
Battelle Nat Biodefense	1	\$269,000
CSHL (USDA)	1	\$64,436
Florida St. (NIH)	1	\$63,069
Iowa State U (NSF)	1	\$140,428
US Dept Interior (BLM)	1	\$10,000
Washington U. (NIH)	1	\$76,337
<i>Total</i>	9	\$678,904
<b>State Sponsors</b>		
UT Dept of Health	1	\$3,976.20
UT DWR	6	\$379,870
UT Reclam Mitg & Consv	1	\$65,000
UT Dept Nat Resource	1	\$67,551.66
Utah - UDAF	1	\$66,028
<i>Total</i>	9	\$516,397.86
<b>Private Sponsors</b>		
Basic Amer Foods	3	\$80,940
Colorado Dept of Wildlife	1	\$4,990
Cotton, Inc.	2	\$40,000
Crocker Ventures	1	\$150,000
Deseret Meats	1	\$39,825
FAMRI	1	\$108,000
Flight Attendant MRI	1	\$9,113.48
LDS Welfare Services	2	\$330,770
McKnight Foundation	1	\$28,500
National Athletic Trainers' Assoc	1	\$30,106
NEON, Inc	1	\$3,672
Partnership School Dist	1	\$24,000
Polar Bears International	2	\$7,500
Public School Partnership	1	\$24,000
Spencer Ed. Foundation	1	\$3,000
Sportsmen for Fish & Wildlife	2	\$35,000
USA Track & Field	1	\$4,000
<i>Total</i>	23	\$923,416.48

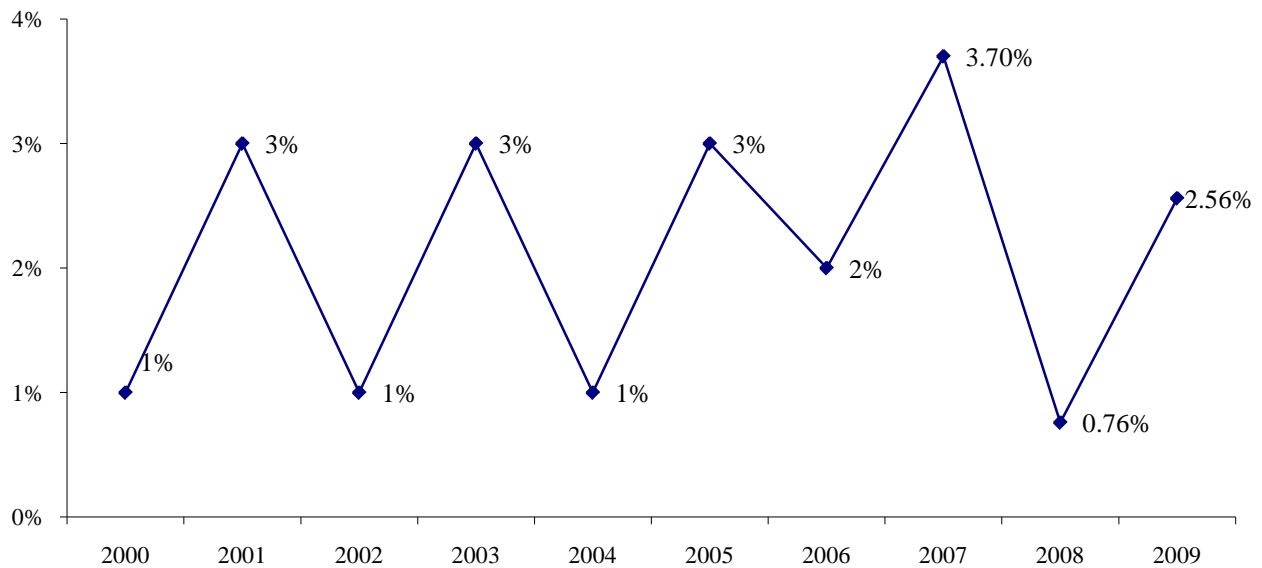


# Marriott School of Management

# Summary of Sponsored Research (Grants & Contracts)

Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Business Management	19	0	0	0	\$0
Finance	25	0	0	0	\$0
Organizational Leadership & Strategy	23	1	1	0	\$0
Recreation Management & Youth Leadership	10	0	0	0	\$0
Romney Inst of Public Management	10	0	0	0	\$0
School of Accountancy	24	1	1	2	\$560,495
Information Systems	12	1	1	0	\$0
<b>TOTALS</b>	<b>117</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>\$560,495</b>

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2000	\$374,000	\$0	\$374,000
2001	\$87,124	\$0	\$87,124
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



# Marriot School of Management 2009 Awards

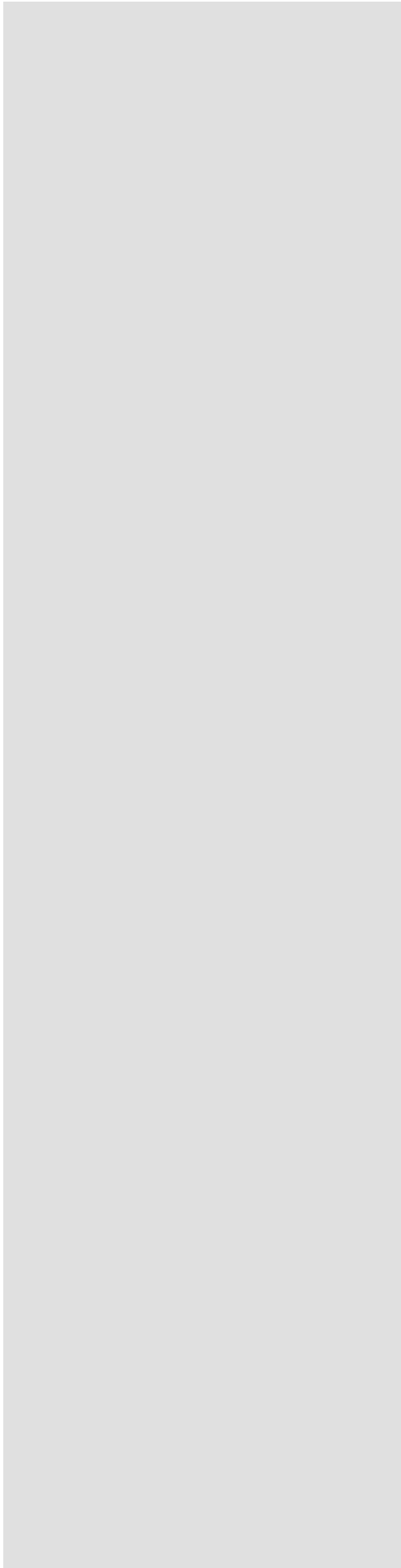
<u>PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Beg. Date</u>	<u>End Date</u>	<u>Amount</u>	<u>Type</u>
<i>School of Accountancy</i>						
Burton, F. Greg	SEC	IPA	7/28/2008	7/27/2009	\$189,195	1
Radebaugh, Lee	DOE (Education)	Centers for International Business Education (CIBER)	10/1/2009	9/30/2010	\$371,300	1

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

Department Totals		
Center for Economic Development		\$0
Business Management		\$0
Organizational Leadership & Strategy		\$0
Romney Inst of Public Management		\$0
School of Accountancy		\$560,495
Information Systems		\$0
<b>College Total:</b>		<b>\$560,495</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	\$371,300
SEC	1	\$189,195
<i>Total</i>	1	\$560,495
<b>Subcontracts</b>		
None		
<i>Total</i>		
<b>State</b>		
None		
<i>Total</i>		
<b>Private</b>		
None		
<i>Total</i>		

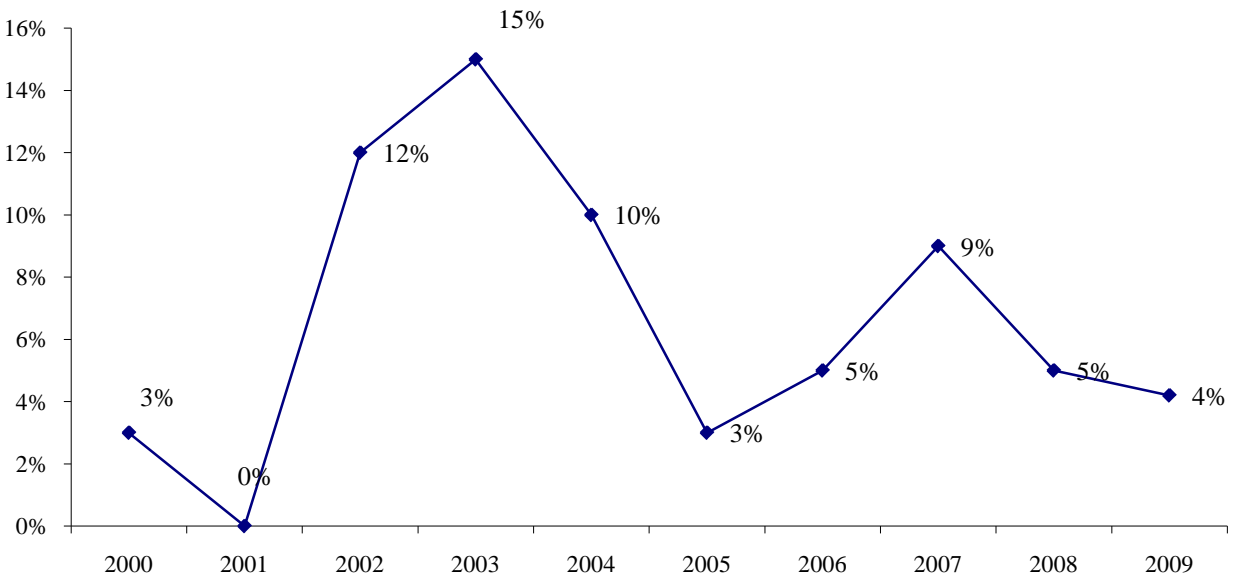


# College of Nursing

# Summary of Sponsored Research (Grants & Contracts)

Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Nursing	24	1	1	0	\$0
<i>TOTALS</i>	24	1	1	0	\$0

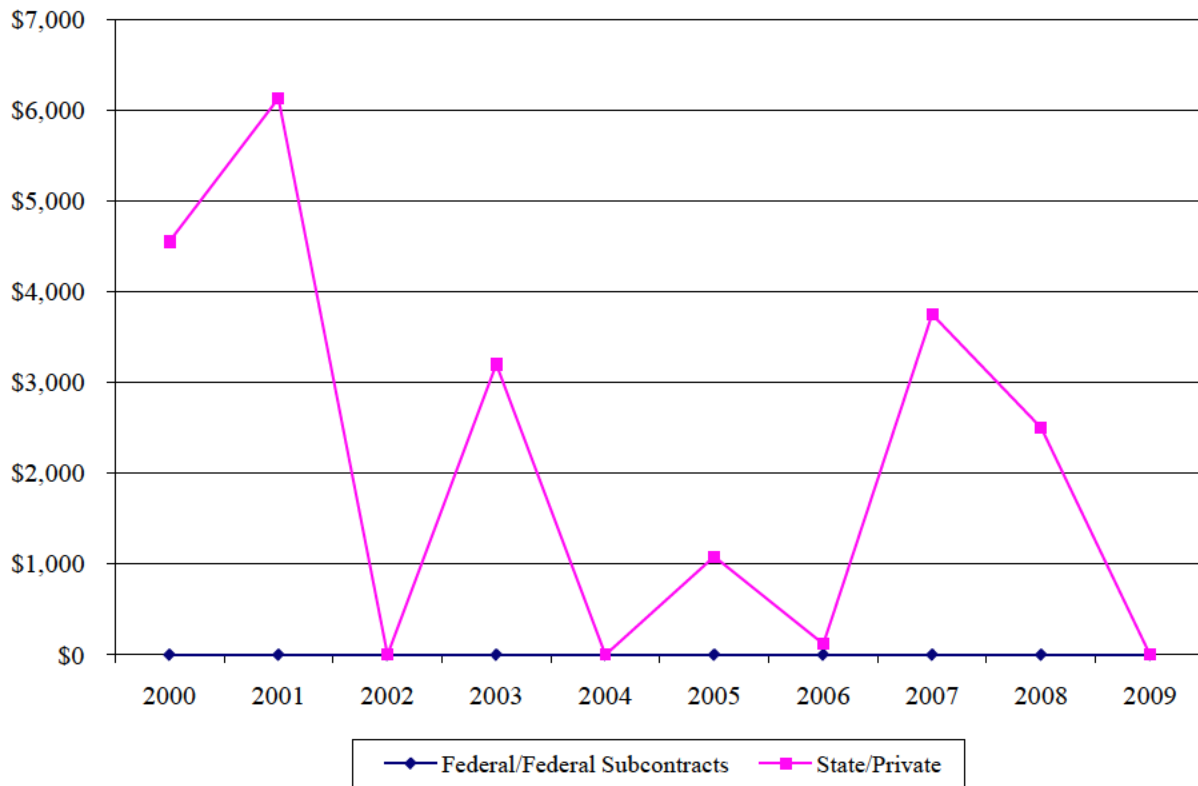
## Proposal Submission Activity





# External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2000	\$0	\$4,550	\$4,550
2001	\$0	\$6,129	\$6,129
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



# Nursing 2009 Awards

<u>PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Beg. Date</u>	<u>End Date</u>	<u>Amount</u>	<u>Type</u>
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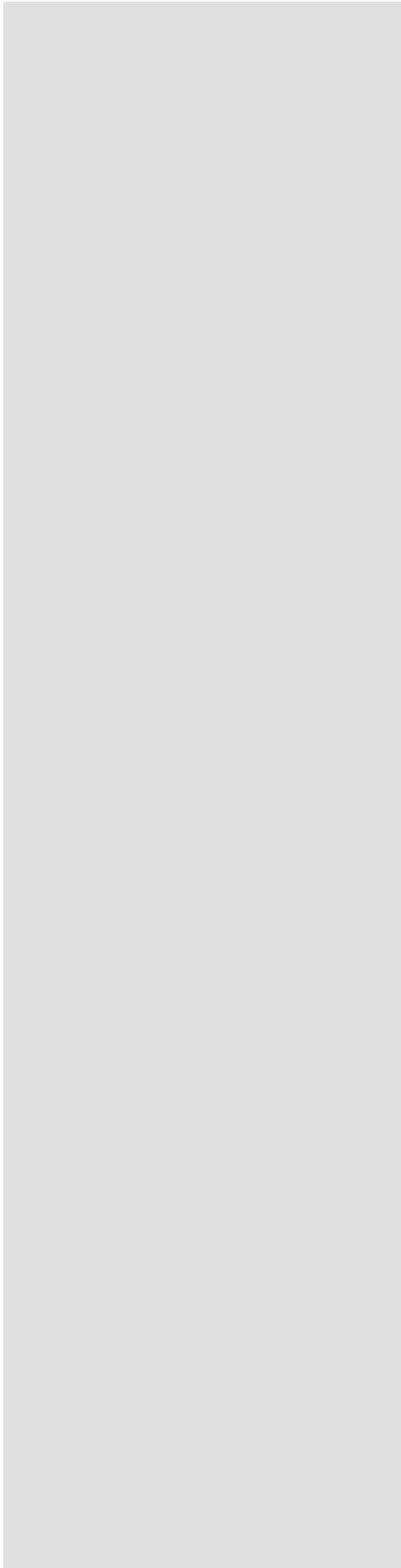
*Nursing*

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

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

# 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>		
NAPNAP		
	<i>Total</i>	_____

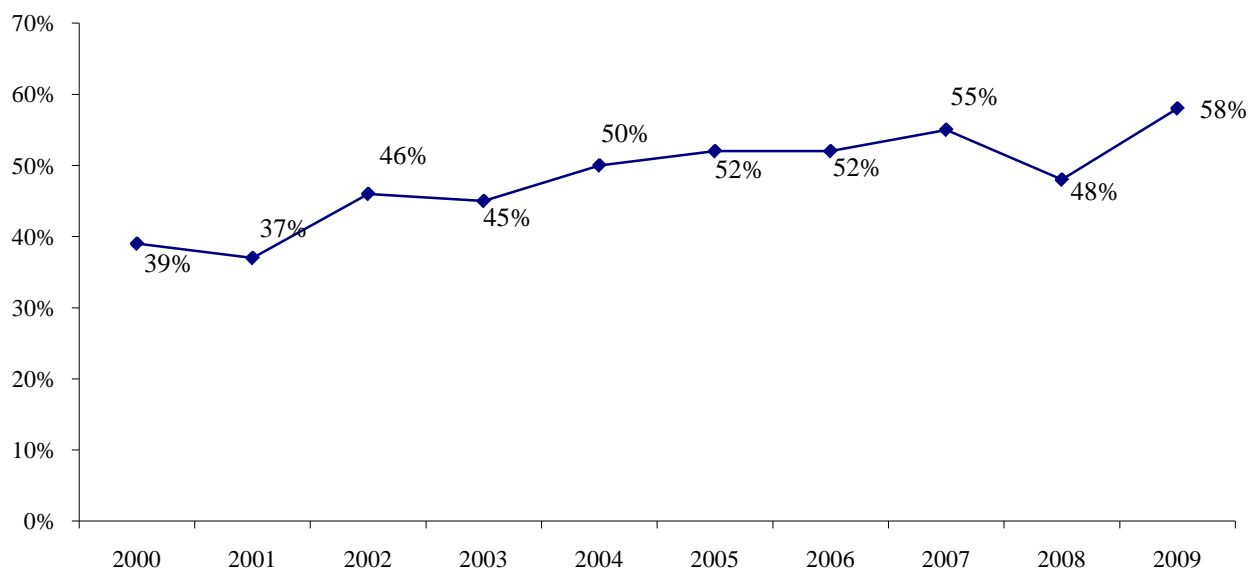


# College of Physical & Mathematical Sciences

# Summary of Sponsored Research (Grants & Contracts)

Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Chemistry & Biochemistry	30	23	52	34	\$4,448,171
Computer Science	23	12	10	9	\$1,131,280
Earth Science Museum		0	0	0	\$0
Geology	13	12	16	4	\$186,863
Mathematics	35	15	14	6	\$939,436
Mathematics Education	9	1	1	1	\$78,202
Physics & Astronomy	32	21	30	19	\$1,532,663
Statistics	15	8	6	1	\$147,965
<b>TOTALS</b>	<b>157</b>	<b>92</b>	<b>129</b>	<b>74</b>	<b>\$8,464,580</b>

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2000	\$3,892,327	\$1,032,159	\$4,924,486
2001	\$4,485,814	\$865,015	\$5,350,829
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



# Physical & Mathematical Sciences 2009 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>
<b>Chemistry &amp; Biochemistry</b>							
Andrus, Merritt	w/ Lephart, Edwin	Crocker Ventures	Resveratrol Technology Study	7/1/2009	6/30/2010	\$75,000	4
Asplund, Matt	w/Farnsworth, Paul	NSF	CRIF:MU Tunable UV-Vis and IR Laser System for Spectroscopy and Chemical Dynamics Research	3/1/2009	2/29/2012	\$60,000	1
Austin, Daniel		NASA Planetary Instrument Definition Program	Open Storage Ring Mass Spectrometer for Characterization of Planetary Atmosphere and Evolved Gases	6/4/2007	6/30/2010	\$166,416	1
Belnap, David		NIH	Temperature-dependent, Intermediate Particles from the Entry of Piconaviruses into Host Cells	9/26/2009	8/31/2010	\$224,523	1
Belnap, David		NIH	Determining the Three-Dimensional Structure of Icosahedral Virus Genomes	1/1/2010	12/31/2010	\$167,850	1
Boerio-Goates, Juliana		Missouri University (DOE)	Third Law Entropies of Iron Phosphates	10/1/2009	3/31/2010	\$48,000	2
Buskirk, Allen		NIH	Genetic Studies on Bacterial Trans-translation	5/1/2006	4/30/2010	\$218,475	1
Buskirk, Allen		NIH	Genetic Studies of Bacterial Trans-translation	8/3/2009	4/30/2011	\$196,875	1
Castle, Steven		NSF	New Stereo Selective Radical Cyclizations	8/1/2009	7/31/2010	\$115,000	1
Dearden, David	w/Farnsworth, Paul	NSF	CRIF:MU Tunable UV-Vis and IR Laser System for Spectroscopy and Chemical Dynamics Research	3/1/2009	2/29/2012	\$60,000	1
Farnsworth, Paul		NSF	CRIF:MU Tunable UV-Vis and IR Laser System for Spectroscopy and Chemical Dynamics Research	3/1/2009	2/29/2012	\$60,000	1
Graves, Steven		Utah COE	Development of Predictive Biomarkers for Preterm Birth	7/1/2009	6/30/2010	\$30,000	3
Graves, Steven		SERA Prognostis Inc	Serum Proteomic Prediction of Preeclampsia	8/1/2009	7/31/2010	\$40,000	4
Graves, Steven		SERA Prognostics (COE)	Development of Biomarkers Predicting Preterm Birth, Preeclampsia, and other Complications of Pregnancy	9/1/2009	8/31/2010	\$150,000	3
Graves, Steven		Glenveigh Medical	Development of a Theranostic to Identify Individuals Likely to Respond to Digoxin Immune Antibody Fab Therapy	9/1/2009	8/31/2010	\$5,000	4

Hansen, Jaron	w/Farnsworth, Paul	NSF	CRIF:MU Tunable UV-Vis and IR Laser System for Spectroscopy and Chemical Dynamics Research	3/1/2009	2/29/2012	\$60,000	1
Hansen, Jaron		NSF	Kinetics of Atmospherically Important Radical-Molecule Complexes	10/1/2009	9/30/2012	\$259,999	1
Hansen, Jaron		Utah Div of Air Quality	Air Quality Sampling Campaign in the Salt Lake Valley: Summer 2009	6/8/2009	6/1/2010	\$5,000	3
Lamb, John		Dionex	Macrocycles Based Ion Chromatography	7/1/2009	6/30/2010	\$35,550	4
Lee, Milton		Torion Tech	DTRA Supplies, Travel, Machinist	1/1/2009	6/30/2009	\$25,000	4
Lee, Milton		Torion Tech	Chemical and Biological Agent Detector	7/1/2009	12/31/2009	\$60,000	1
Lee, Milton		Torion Technologies (DOD)	DTRA Supplies, Travel, Machinist	7/1/2009	12/31/2009	\$25,000	4
Linford, Matt		US Synthetic	New Diamond Materials for Chromatography	1/1/2009	12/31/2009	\$160,950	4
Linford, Matt	w/ Harb, John	NSF	NIRT: Chemically Directed Surface Alignment and Wiring of Self-Assembled Nanoelectrical Circuits	7/1/2007	6/30/2011	\$2,400	1
Linford, Matt		Yield Engineering Systems	Characterization of Silane Modified Surfaces	5/1/2009	4/30/2010	\$5,000	4
Linford, Matt		Yield Engineering Systems	Characterization of Silane Modified Surfaces	5/1/2009	4/30/2010	\$5,000	4
Linford, Matthew		Xeromax	Development of Hydrophobic Coatings	12/1/2009	6/30/2010	\$100,000	4
Patterson, James		AF, DOD	Molecular Basis of Adhesion	3/1/2009	11/30/2009	\$99,652	1
Savage, Paul		U of Chicago (NIH)	TH1/TH2 Glycolipid Adjuvants	4/1/2009	3/31/2010	\$291,154	2
Savage, Paul		Sandia National Lab	Ceragenius for RO membranes	4/20/2008	9/15/2009	\$9,000	2
Savage, Paul		Scripps (NIH)	Using Lipids for Vaccination	8/1/2009	7/31/2010	\$93,072	2
Savage, Paul		Boston Children's Hospital (NIH)	Role of T cell subsets in Allergic Lung Inflammation	7/22/2009	6/30/2010	\$38,183	2
Savage, Paul		NIH	Development of Novel Antimicrobial Peptide Mimics to Provide Broad Spectrum Prevention Against and Therapeutic Treatment for	9/9/2009	8/31/2010	\$536,344	1



Infection

Savage, Paul		Sandia National Lab	Ceragenins for RO Membranes	10/1/2009	9/30/2010	\$60,000	2
Sevy, Eric	w/Farnsworth, Paul	NSF	CRIF:MU Tunable UV-Vis and IR Laser System for Spectroscopy and Chemical Dynamics Research	3/1/2009	2/29/2012	\$60,000	1
Willardson, Barry		NIH	Co-Chaperone Role of Phosducin-like Protein G Protein subunit Assembly	7/1/2009	6/30/2010	\$270,524	1
Willardson, Barry		NIH	Co-Chaperone Role of Phosducin-like Protein in G Protein	9/1/2009	6/30/2011	\$168,125	1
Wood, Steven		NSF	ChemCompanion: A Digital Text for the First-Year College Chemistry Course	7/15/2009	6/30/2011	\$149,999	1
Woolley, Adam		NIH	Phase-Changing Sacrificial Layer Microfluidic for Enhanced Protein Analysis	2/1/2009	1/31/2010	\$231,234	1
Woolley, Adam	w/Nordin, Gregory	NCMR/PNNL (DOE)	Microcantilever Arrays	3/11/2009	9/30/2009	\$51,754	2
Woolley, Adam	w/ Harb, John	NSF	NIRT: Chemically Directed Surface Alignment and Wiring of Self-Assembled Nanoelectrical Circuits	7/1/2007	6/30/2011	\$2,400	1
Woolley, Adam		NIH	Phase-changing Sacrificial Layer Microfluids for Enhanced Protein Analysis (entry for a April award)	4/1/2006	1/31/2010	\$25,692	1
<b>Computer Science</b>							
Goodrich, Michael	w/Morse, Bryan	NSF	Technology supported wilderness search & rescue	11/1/2008	10/31/2009	\$77,776	1
Goodrich, Michael		Carnegie Mellon (ONR)	Cognitively Compliant Command for Multirobot Teams	7/1/2009	5/31/2010	\$100,710	2
Mercer, Eric		NSF	Collaborative Research: Formal Analysis of Multicore Comm API	8/1/2009	7/31/2010	\$125,533	1
Mercer, Eric		SRC	Formal Analysis of Multicore Communication APIs and App	8/1/2009	7/31/2010	\$10,000	4
Morse, Bryan	w/Beard, Randy	Mosaic ATM (Navy)	Persistent Tactical Seeability through integrated Sensor Guidance	10/27/2008	11/30/2009	\$5,485	2
Morse, Bryan		NSF	Technology supported wilderness search & rescue	11/1/2008	10/31/2009	\$77,776	1
Morse, Bryan	w/ Beard, Randal	Mosaic ATM	Persistent Tactical Seeability Through Intergrated Sensor Guidance	10/16/2009	7/21/2011	\$38,600	2

Ventura, Dan		NSF	Pilot: Art(ificial): Generation of Creative Visual Metaphor for Communicating Intension	7/15/2009	6/30/2012	\$217,183	1
Warnick, Sean		NSA	NSA assignment	5/18/2009	8/31/2009	\$60,000	1
Warnick, Sean	Brown, Tanja	NSF Fellowship	Game Theory	6/1/2009	5/31/2012	\$40,500	1
Warnick, Sean		USAF AFRL(NSA)	Analysis & Design of Complex Network Environments	9/10/2009	9/9/2009	\$39,751	1
Zappala, Daniel		NSF	WiFi - A software toolkit for wireless transport protocols	9/1/2009	8/31/2012	\$298,216	1
Zappala, Daniel	w/Warnick, Sean	USAF AFRL(NSA)	Analysis & Design of Complex Network Environments	9/10/2009	9/9/2009	\$39,750	1
<b>Geology</b>							
McBride, John	w/Rupper, Summer	NSF	Glacier Sensitivity to Climate Change	5/1/2009	10/31/2010	\$17,437	1
Rupper, Summer		NSF	Glacier Sensitivity to Climate Change	5/1/2009	10/31/2010	\$17,438	1
Christiansen, Eric		USGS	Cenozoic Geologic Map of the Boulder Peak Quad, Utah	5/15/2009	5/14/2010	\$7,033	1
Keach, William	w/ McBride, John	U of IL (DOE)	Geophysical Data for the Proposed ADM Site and for the Regional Framework of the Ill. Basin	12/18/2007	12/17/2009	\$26,063	2
Kowallis, Bart J.	w/ Christiansen, Eric	USGS	Cenozoic Geologic Map of the Boulder Peak Quad, Utah	5/15/2009	5/14/2010	\$7,033	1
McBride, John		U of IL (DOE)	CO2 Sequestration in the Illinois Basin	10/1/2005	9/30/2009	\$33,131	2
McBride, John		U of IL (DOE)	Geophysical Data for the Proposed ADM Site and for the Regional Framework of the Ill. Basin	12/18/2007	12/17/2009	\$26,063	2
Radebaugh, Jani		NASA	Temperatures and Eruption Styles of Io's Volcanoes from Cassini Eclipse	6/26/2009	6/27/2010	\$52,665	1
<b>Mathematics</b>							
Baker, Roger		NSF	Grad Workshp in Zeta Functions, L-Functions & Applc	2/1/2009	1/31/2010	\$9,000	1
Cannon, Jim	w/Purcell, Jessica	NSF	Rocky Mountain Dynamical Systems Conf	5/15/2009	4/30/2010	\$6,666	1

Conner, Greg	w/Purcell, Jessica	NSF	Rocky Mountain Dynamical Systems Conf	5/15/2009	4/30/2010	\$6,667	1
Doud, Darrin	w/Baker, Roger	NSF	Grad Workshp in Zeta Functions, L-Functions & Applc	2/1/2009	1/31/2010	\$9,000	1
Humpherys, Jeff		NSF	CAREER: Interdisciplinary Mentoring Program in Analysis, Comp	6/15/2009	5/31/2014	\$400,000	1
Humpherys, Jeff		NSF	CSUMS: IDeA Labs	8/31/2006	8/31/2010	\$179,716	1
Lu, Kening		NSF	Invariant Manifolds for Multiscale Stochastic Dynamical Systems	9/1/2009	8/31/2012	\$321,720	1
Purcell, Jessica		NSF	Rocky Mountain Dynamical Systems Conf	5/15/2009	4/30/2010	\$6,667	1

### ***Mathematics Education***

Corey, Douglas		NSF(Harvard)	Improving Mathematical Knowledge for Teaching Investig Math	9/1/2009	8/31/2010	\$78,202	2
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### ***Physics & Astronomy***

Anderson, Brian	w/Gee, Kent	Los Alamos N Lab(DOE)	Ultrasonic Experiments	5/21/2009	9/30/2009	\$10,000	2
Anderson, Brian	w/Gee, Kent	ATK Space Systems	Characterization of Acoustic Sensor Perform During ARES DM-1	7/21/2009	12/31/2009	\$13,159	4
Bergeson, Scott		UNevReno(DOE)	Development of x-ray absorption spectroscopy	3/23/2009	4/10/2009	\$13,521	2
Davis, Robert	w/ Harb, John	NSF	NIRT: Chemically Directed Surface Alignment and Wiring of Self-Assembled Nanoelectrical Circuits	7/1/2007	6/30/2011	\$2,400	1
Davis, Robert	w/ Vanfleet, Richard	Moxtek	Meterology/CNT templated windows	9/1/2009	1/30/2010	\$7,650	4
Davis, Robert		Cornell (NSF)	Center for Nanoscale Systems in Info Technology	9/30/2007	9/30/2010	\$30,000	2
Durfee, Dallin		NSF	Matterwave Interferometry with Ions	6/15/2009	5/31/2012	\$169,517	1
Durfee, Dallin		US Dept of Commerce	Testing Coulomb's Law with Cold-Ion Matter wave interferometry	9/16/2009	9/30/2010	\$50,000	1
Ellsworth, John		WAESO(ASU)	Lab Nuclear Astrophysics Material Preparation Equipment	6/2/2009	6/1/2010	\$756	2

Gee, Kent		AF SBIR	Near-field Acoustical Holography Sys for Air Source Noise Meas.	4/1/2008	4/1/2010	\$41,915	2
Gee, Kent		Los Alamos N Lab(DOE)	Ultrasonic Experiments	5/21/2009	9/30/2009	\$10,000	2
Gee, Kent	w/Blotter, Jonathan	INL	Transducer Signal Noise Analysis	7/23/2009	9/30/2009	\$13,849	2
Gee, Kent		ATK Space Systems	Characterization of Acoustic Sensor Perform During ARES DM-1	7/21/2009	12/31/2009	\$13,159	4
Hart, Gus		NSF	Discovering Novel Alloys via a Combined Comput Apprch	10/1/2009	9/30/2011	\$240,000	1
Hirschmann, Eric	w/Neilsen, David	Decisive Analytics Corp	Phase II response to Topic TO4.2	2/1/2008	9/12/2009	\$21,485	2
Hirschmann, Eric		NSF	Simulating Neutron Star - Blackhole Inspirals	7/31/2009	8/31/2010	\$40,000	1
Moody, J. Ward		NSF	Principle Instrument Upgrade at West Mtn Observatory	6/15/2006	5/31/2010	\$51,267	1
Neilsen, David		Decisive Analytics Corp	Phase II response to Topic TO4.2	2/1/2008	9/12/2009	\$21,486	2
Nielsen, David	w/Hirschmann, Eric	NSF	Simulating Neutron Star - Blackhole Inspirals	7/31/2009	8/31/2010	\$40,000	1
Rees, Lawrence		NSF(U of Michigan)	New Detectors, Electronics, and Algorithms for Fast Spectroscopy	9/1/2009	8/31/2010	\$93,900	2
Rees, Lawrence		Batelle(DOE) U of Mich	Improved fission neutron database for active interrog actinides	10/1/2009	9/30/2012	\$101,940	2
Sommerfeldt, Scott	w/Blotter, Jonathan	INL	Transducer Signal Noise Analysis	7/23/2009	9/30/2009	\$13,849	2
Sommerfeldt, Scott	w/Gee, Kent	ATK Space Systems	Characterization of Acoustic Sensor Perform During ARES DM-1	7/21/2009	12/31/2009	\$13,159	4
Sommerfeldt, Scott		Intel Corporation	Active Noise Control for Notebook Fan Noise	9/10/2009	9/10/2010	\$64,370	4
Spencer, Ross	w/Turley, Steven R.	NSF	Physics REU Site: Physics Research at BYU	5/1/2009	4/30/2010	\$63,351	1
Turley, Steven R.		NSF	Physics REU Site: Physics Research at BYU	5/1/2009	4/30/2010	\$63,352	1
Vanfleet, Richard		Moxtek	Student Characterization	4/1/2009	8/31/2009	\$12,300	4

Vanfleet, Richard	NSF	Chemical Ordering Phase Transitions in Intermetallic Nanoparticles	9/1/2009	8/31/2012	\$308,628	1
Vanfleet, Richard	Moxtek	Meteorology/CNT templated windows	9/1/2009	1/30/2010	\$7,650	4

**Statistics**

Reese, C. Shane	NSF	Models, Tools, and analysis for studies of the magnetosphere	9/1/2009	8/31/2012	\$147,965	1
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Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private

Department Totals	
Chemistry & Biochemistry	\$4,448,171
Computer Science	\$1,131,280
Geology	\$186,863
Mathematics	\$939,436
Mathematics Education	\$78,202
Physics & Astronomy	\$1,532,663
Statistics	\$147,965
<b>College Total:</b>	<b>\$8,464,580</b>

# Physical & Mathematical Sciences

## Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>No. Awarded</b>	<b>Amount</b>
<b>Federal Sponsors</b>		
Air Force, Dept of Defense	1	\$99,652
NASA	2	\$219,081
NIH	9	\$2,039,642
NSF	21	\$3,719,873
NSF Fellowship	1	\$40,500
Torion Technologies	1	\$60,000
US Dept of Commerce	1	\$50,000
USAF AFRL (NSA)	1	\$79,500
USGS	1	\$14,066
<i>Total</i>	40	\$6,414,284
<b>Federal Subcontract Sponsors</b>		
AF SBIR	1	\$41,915
Batelle (DOE) U of Mich	1	\$101,940
Boston Children's Hospital (NIH)	1	\$38,183
Carnegie Mellon (ONR)	1	\$100,710
Cornell (NSF)	1	\$30,000
Decisive Analytics	1	\$42,970.59
Los Alamos N Lab (DOE)	1	\$20,000
Missouri University (DOE)	1	\$48,000
NSF (Harvard)	1	\$78,202
NSF (U of Michigan)	1	\$93,900
Sandia Nat'l Lab	2	\$69,000
Scripps (NIH)	1	\$93,072
U of Chicago (NIH)	1	\$291,154
U of IL (DOE)	1	\$85,257
U Nevada Reno (DOE)	1	\$13,521
WAESO (ASU)	1	\$756
<i>Total</i>	18	\$1,148,580.59
<b>State Sponsors</b>		
SERA Prognostics (COE)	1	\$150,000
Utah COE	1	\$30,000
Utah Division of Air Quality	1	\$5,000
<i>Total</i>	3	\$185,000

# Physical & Mathematical Sciences

## Source Breakdown of Grants and Contracts

### Private Sponsors

ATK Space Systems	1	\$52,635
Dionex	1	\$35,550
Glenveigh Medical	1	\$5,000
Intel Corp	1	\$64,370
Moxtek	2	\$27,600
SERA Prognostics Inc.	1	\$40,000
SRC	1	\$10,000
Torion Tech	1	\$25,000
Torion Tech (DOD)	1	\$25,000
US Synthetic	1	\$160,950
Xeromax	1	\$100,000
Yield Engineering Systems	2	\$10,000
<i>Total</i>	14	\$556,105



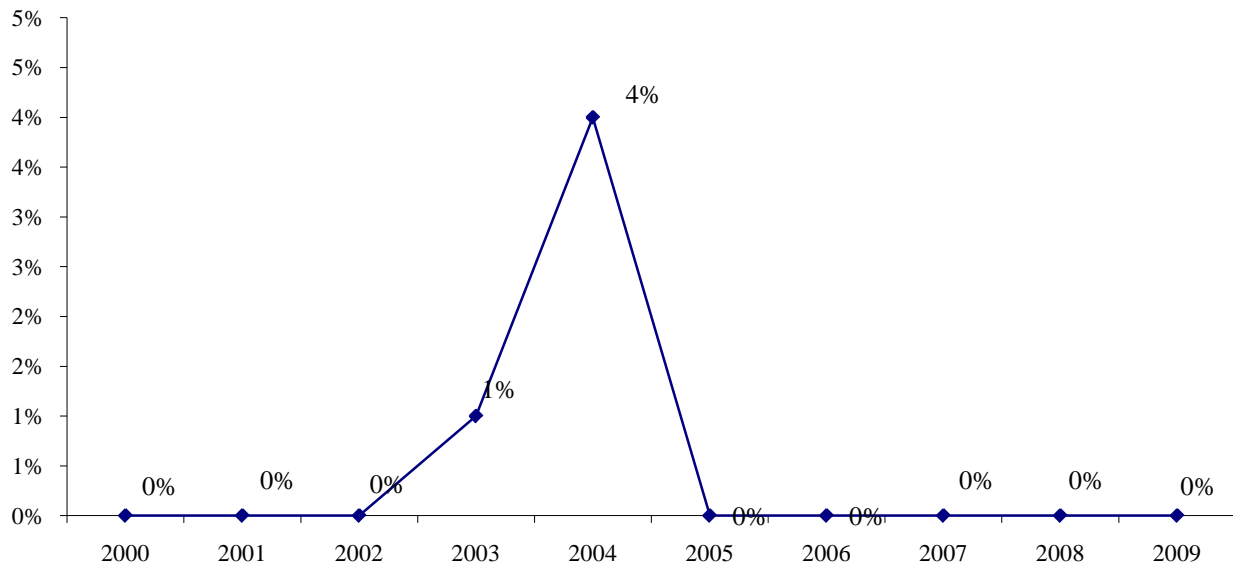
# Religious Education



# Summary of Sponsored Research (Grants & Contracts)

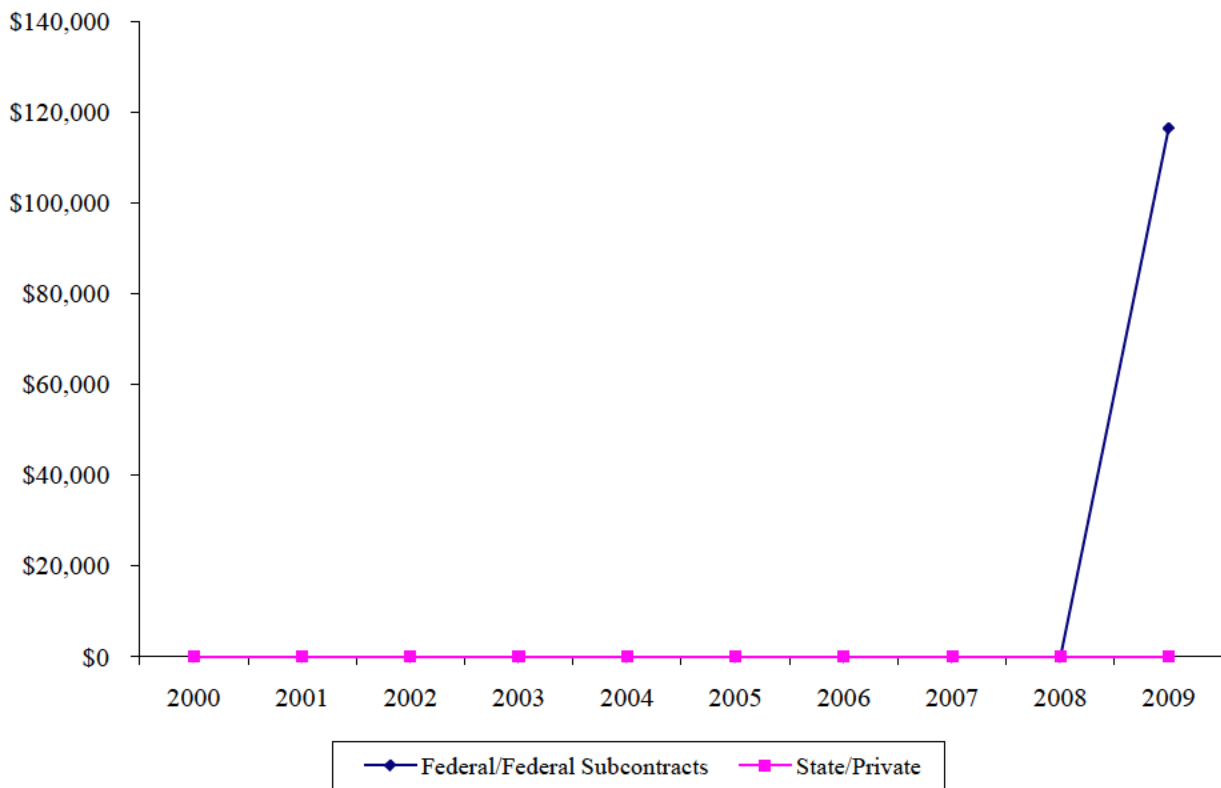
Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Ancient Scripture	32	0	0	1	\$116,385
Church History & Doctrine	33	0	0	0	\$0
<b>TOTALS</b>	65	0	0	0	\$116,385

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2000	\$0	\$0	\$0
2001	\$0	\$0	\$0
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	\$0



# Religious Education 2009 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>							
Wayment, Thomas	w/Macfarlane, Roger	Natnl Endow Humanit	Multispectral Imaging Project	5/1/2009	4/30/2011	\$116,385	1

Department Totals  
Ancient Scripture

\$116,385

**College Total:**

\$116,385

# Religious Education

## Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>Number Awarded</b>	<b>Total Amount</b>
<b>Federal</b>		
National Endowment of the Humanities	1	\$116,385
<i>Total</i>	1	\$116,385
<b>Subcontracts</b>		
None		
<i>Total</i>		
<b>State</b>		
None		
<i>Total</i>		
<b>Private</b>		
None		
<i>Total</i>		

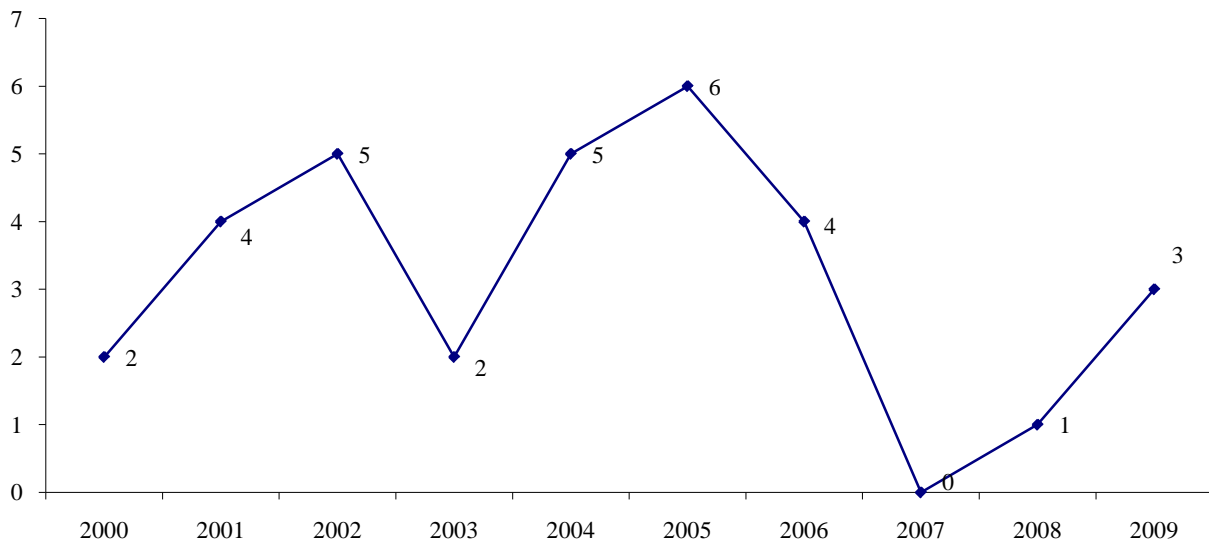


# Non-College Units

# Summary of Sponsored Research (Grants & Contracts)

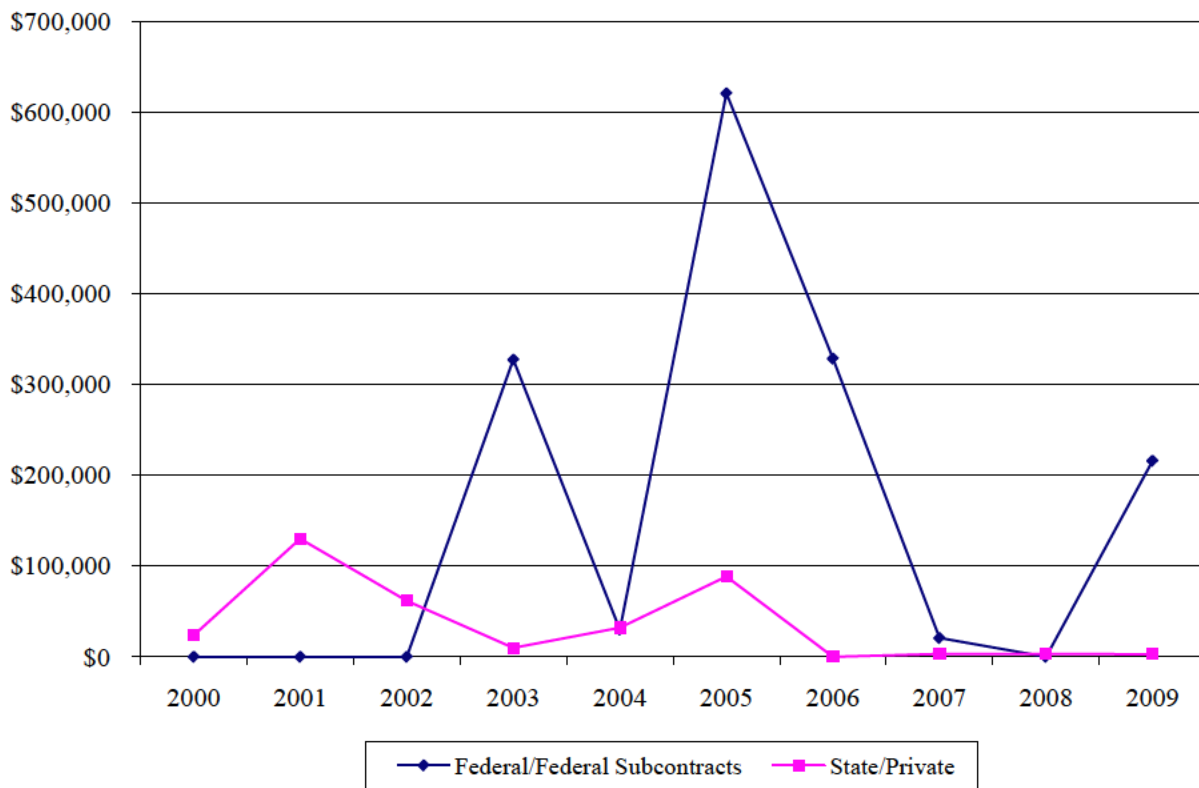
Department	# of Proposals Submitted	# of Awards	Dollars Awarded
Academic Internship	0	0	\$0
Admissions & Records	0	0	\$0
Associate Academic Vice President	2	0	\$0
Center for Instructional Design	0	0	\$0
Church Educational System	0	0	\$0
Faculty Center	0	0	\$0
General Education & Honors	0	0	\$0
Harold B. Lee Library	1	2	\$215,853
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	1	\$2,849
Technology Transfer	0	0	\$0
University Accessibility Center	0	0	\$0
University Computing Services	0	0	\$0
<b>TOTALS</b>	<b>3</b>	<b>3</b>	<b>\$218,702</b>

## Proposals Submitted



# External Research Funding (All Sources)

Year	Grants/Contracts		Total
	Federal/Federal Subcontracts	State/Private	
2000	\$0	\$24,000	\$24,000
2001	\$0	\$129,916	\$129,916
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



# Non-College Units 2009 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>Office of Research &amp; Creative Activities</i>						
Garrett, Sandy	Lost Paws	Pre-vet Preceptorship	1/1/2008	9/11/2020	\$2,849	4
<i>Harold B. Lee Library</i>						
Eldredge, Scott	NEH	GWLA Western Waters...	7/1/2007	6/30/2009	\$20,718	2
Seawright, Larry	Temple U. (NSF)	Bio-Organic Reaction Anam...	6/14/2009	8/31/2010	\$195,135	2

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

## Department Totals

Academic Internship	\$0
Admissions & Records	\$0
Associate Academic Vice President	\$0
Center for Instructional Design	\$0
Church Educational System	\$0
Faculty Center	\$0
General Education & Honors	\$0
Harold B. Lee Library	\$215,853
Information Technology Services	\$0
Neal A. Maxwell Institute for Religious Scholarship	\$0
Office of Research and Creative Activities	\$2,849
Jacobsen Center	\$0
Media Services	\$0
Technology Transfer	\$0
University Accessibility Center	\$0
University Computing Services	\$0
<b>College Total:</b>	<b>\$218,702</b>



# Non-College Units

## Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>Number Awarded</b>	<b>Total Amount</b>
<b>Federal</b>		
None		
<hr/>		
<i>Total</i>		
<b>Subcontracts</b>		
NEH	1	\$20,718
Temple U. (NSF)	1	\$195,135
<hr/>		
<i>Total</i>		
<b>State</b>		
None		
<hr/>		
<i>Total</i>		
<b>Private</b>		
Lost Paws	1	\$2,849
<hr/>		
<i>Total</i>		



# 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.

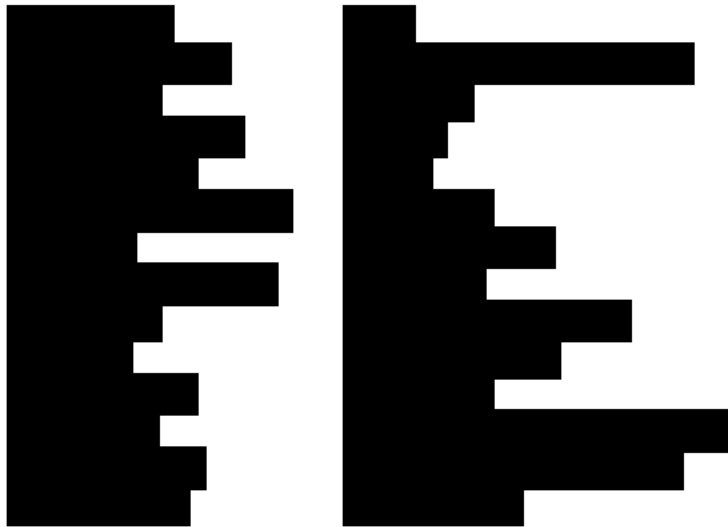
**The Institutional BioSafety Committee (IBC)** supervises the use of recombinant DNA and other biological safety and hazard issues at BYU. Such use might involve constructing and handling DNA molecules in organisms. The Institutional BioSafety Committee must review all proposed experiments and approve 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.

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<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 and is composed of the following individuals:



The actions of the IRB committee for 2008 are summarized by the following table.

<b>IRB Protocol</b>	<b>Activity 2009</b>
College	New Protocols
<div style="background-color: black; width: 100%; height: 100%; min-height: 150px;"></div>	<div style="background-color: black; width: 100%; height: 100%; min-height: 150px;"></div>

# 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. This committee is composed of the following individuals:



The actions of the IACUC committee for 2009 are summarized by the following table.

<b>IACUC Protocol Activity 2009</b>			
College	New Approvals	Continuing	Pending
[Redacted]	[Redacted]	[Redacted]	[Redacted]

# 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. This committee is composed of the following individuals:



There were six new projects reviewed by the BioSafety Committee during the 2009 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>
2009	Keith Crandall
2008	Paul Savage
2007	William Pitt

## ***Intellectual Properties***

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

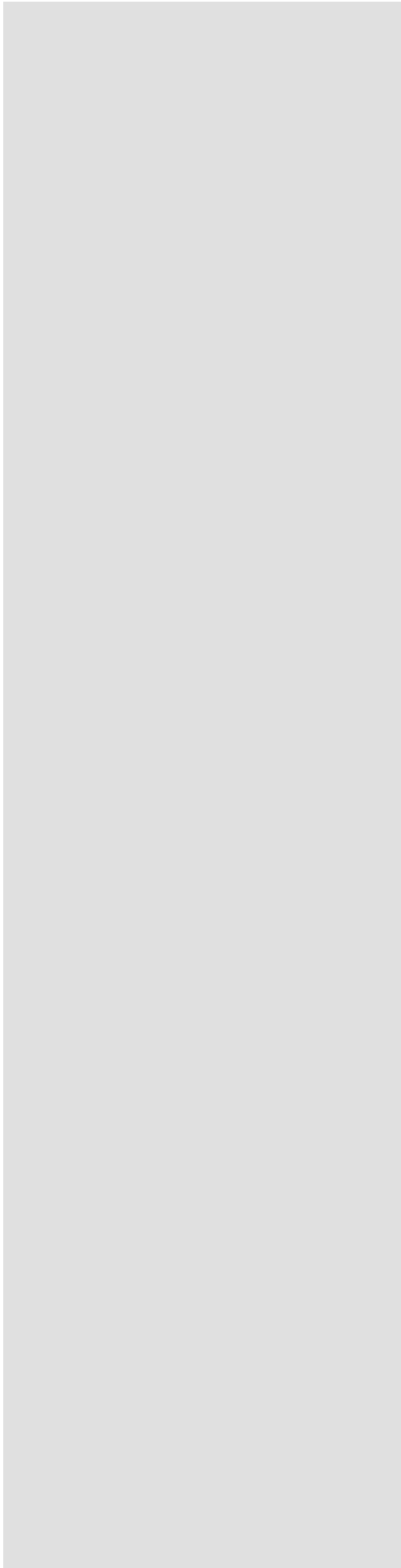


# 2009 Mentoring Environment Grant Recipients

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>
Brad Bundy	CHEME	E&T
Aaron Hawkins	ECEN	E&T
Karl Warnick	ECEN	E&T
David Fullwood	MECHE	E&T
William Jerry Bowman	MECHE	E&T
Steven Shumway	TECH	E&T
David L. McPherson	COMD	EDUC
Ellie Young	CP&SE	EDUC
Michelle Marchant	CP&SE	EDUC
Don Peterson	MUSC	FA&C
Joseph Ostraff	VA	FA&C
Mark Graham	VA	FA&C
Joseph Price	ECON	FHSS
Mike Findley	POLISCI	FHSS
Patrick Steffen	PSYCH	FHSS
Ross A. Flom	PSYCH	FHSS
Scott Steffensen	PSYCH	FHSS
James M. Harper	SFL	FHSS
Roy Bean	SFL	FHSS
Charlie Morgan	SOC	FHSS
Marie Cornwall	SOC	FHSS
David Day	LIB	HBLL
William Lund	LIB	HBLL
Jennifer Bown	G&SL	HUM
Steven Sondrup	HUM	HUM
Deryle Lonsdale	LING	HUM
Doris Ross Dant	LING	HUM
Heather Willson	LING	HUM
James Faulconer	PHIL	HUM
W. Cole Durham, Jr.	LAW	LAW

Byron Adams	BIO	LSCI
Clinton Whipple	BIO	LSCI
Jack Sites	BIO	LSCI
Jerry Johnson	BIO	LSCI
John Kauwe	BIO	LSCI
Keith Crandall	BIO	LSCI
Michael F. Whiting	BIO	LSCI
Richard Gill	BIO	LSCI
Carl Hanson	HSCI	LSCI
Maria Novilla	HSCI	LSCI
Bradford Berges	M&MB	LSCI
Brent Nielsen	M&MB	LSCI
Julianne Grose	M&MB	LSCI
Laura Bridgewater	M&MB	LSCI
Richard Robison	M&MB	LSCI
Steven Johnson	M&MB	LSCI
Chad Hancock	ND&FS	LSCI
Merrill Christensen	ND&FS	LSCI
David Thomson	P&DB	LSCI
Dixon Woodbury	P&DB	LSCI
John Bell	P&DB	LSCI
Brock McMillan	P&WS	LSCI
Joshua Udall	P&WS	LSCI
Peter Jeff Maughan	P&WS	LSCI
Richard Terry	P&WS	LSCI
Sam St. Clair	P&WS	LSCI
Sheli Sillito Walker	OL&S	MSM
Kent Blad	NURS	NURS
Barry Willardson	CHMBIO	P&MS
Gregory F. Burton	CHMBIO	P&MS
Roger Harrison	CHMBIO	P&MS
Steven Castle	CHMBIO	P&MS
Dan Ventura	CS	P&MS
Quinn Snell	CS	P&MS
Jani Radebaugh	GEOL	P&MS
Summer Rupper	GEOL	P&MS
Michael Dorff	MATH	P&MS
Wayne Barrett	MATH	P&MS
Branton Campbell	P&A	P&MS
Eric Hintz	P&A	P&MS
John Colton	P&A	P&MS
Kent Gee	P&A	P&MS
Victor Migenes	P&A	P&MS
Thomas Wayment	AS	REL
Steven Harper	CH&D	REL



# Student Recognition

# 2009 ORCA Grant Recipients

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

<u>Department</u>	<u>Student</u>	<u>Faculty Mentor</u>
Accounting	Scott Emett	David Wood
Accounting	Jace Garrett	Doug Prawitt
Accounting	Jeffrey Pickerd	Scott Summers
Accounting	Jeremiah Bentley	Steven Glover
Actuarial Science	Grant Hodgson	Dennis Tolley
Advertising	David (Matthew) Godfrey	John Davies
Ancient Near Eastern Studies	Jason Olson	David Seely
Ancient Near Eastern Studies	Michael Biggerstaff	Jared Ludlow
Ancient Near Eastern Studies	Audrey Crandell	Kerry Muhlestein
Anthropology	Suzanne Powell	Charles Nuckolls
Anthropology	Emily Miller	Charles Nuckolls
Anthropology	Courtney Petersen	Charles Nuckolls
Anthropology	Rachel Owen	John Hawkins
Archaeology	Courtney Innes	C. Wilfred Griggs
Archaeology	Sophie Lee	Kristin South
Art Education	Julia Baker	Sharon Gray
Art History	Cassandra Scheerer	Mark Johnson
Art History	Camille Anderson	Cindy Brewer
Art History	Peri Musser	Herman DuToit
Art History	Rachel Wise	Nancy Christiansen
Art History	Carly Hyatt	Val Brinkerhoff
Biochemistry	Robert Swenson	David Belnap
Biochemistry	Matthew Winterton	Deryle Lonsdale
Biochemistry	Brandon Gassaway	Emily Bates
Biochemistry	Sean Llewellyn	Gregory Burton
Biochemistry	Andrew Thorne	Gregory Burton
Biochemistry	Jonathan Scoville	Gregory Burton
Bioinformatics	Aaron Hart	Chia-Chi Teng
Bioinformatics	Taylor Southwick	Keith Crandall
Bioinformatics	Dohyup Kim	Keith Crandall
Biology	Mark Rowan	Bradford Berges
Biology	Miles Murri	Brian Poole
Biology	Daniel Hammond	Brian Poole
Biology	Douglas Baumann	Brian Poole
Biology	Tristan McKnight	C. Riley Nelson
Biology	Jared Kelson	David Busath
Biology	April Larson	Jerald B. Johnson
Biology	Jordan Gilbert	Marne Isakson

Biology	Britlyn Orgill	Merrill Christensen
Biology	Karisa Wasley	Paul Reynolds
Biology	Benjamin Jorgensen	Steven Johnson
Biology	Robert Ehlers	Terry Ball
Biology	Ausitn Callison	William McCleary
Biophysics	Susanne Linderman	Eric Wilson
BioStatistics	Brent Shepherd	Evan Johnson
BioStatistics	Bradley Ferguson	Shane Reese
Broadcast Journalism	Natalie Tripp	Robert Walz
Business Management	Michael Baldwin	Laura Bridgewater
Business Management	Sierra Sloan	William Baker
Chemical Engineering	Michael Lydiksen	Adam Woolley
Chemical Engineering	Anna Katz	Brad Bundy
Chemical Engineering	Derek Bush	Brad Bundy
Chemical Engineering	Rupak Bajagain	Morris Argyle
Chemical Engineering	Jacob Lewis	Thomas Knotts
Chemical Engineering	Daniel Jack	William Pitt
Chemical Engineering	Adam Read	William Pitt
Civil Engineering	Bryan Wilson	W. Spencer Guthrie
Civil Engineering	Jeffrey Hoki	W. Spencer Guthrie
Classical Civilization	Nathaniel Freeman	Kenneth Alford
Classical Studies	Leslie Macfarlane	Stephen Bay
Clinical Laboratory Science	Jennifer Rasmussen	Keith Crandall
Communication Disorders	Briana Rae	Richard Harris
Communication Disorders	Jennifer Halloran	David McPherson
Communications	Courtney Wright	Michelle James
Computer Science	Matthew Gardner	Kevin Seppi
Computer Science	Nathan Clement	Quinn Snell
Computer Science	Anurag Rai	Sean Warnick
Dance	Shannon Stead	Caroline Prohosky
Dance	Chanel Smith	Shani Robison
Dance	Heather Gemperline	Marilyn Berrett
Economics	Andrew Johnston	Arden Pope
Economics	Brent Jensen	Eric Eide
Economics	Daniel Sullivan	Frank McIntyre
Economics	Patrick Turley	James B McDonald
Economics	Nolan Pope	Joseph Price
Economics	Henry Tappen	Joseph Price
Economics	Jared Shores	Joseph Price
Economics	Angelyn Fairchild	Joseph Price
Economics	Evan Thomas	Mark Showalter
Economics	Jason Cook	Robert Burton
Economics	Lorien Stice	Ted Christensen
Economics	Scott Ashton	Teppo Felin
Economics	Jeff Sorensen	James McDonald
Economics	Michael Worley	Mark Showalter
Electrical Engineering	Jared Keeley	Aaron Hawkins
Electrical Engineering	Hannah Quist	Aaron Hawkins
Electrical Engineering	Andrew Watters	Neal Bangerter
Electrical Engineering	Tyrie Vella	Richard Selfridge

Electrical Engineering	Spencer Chadderdon	Richard Selfridge
Electrical Engineering	David Ward	Sean Warnick
Electrical Engineering	Daniel Perry	Stephen Schultz
Electrical Engineering	Andrew Sieler	Stephen Schultz
Elementary Education	Elizabeth Yates	Bradley Wilcox
Elementary Education	Sarah Kunz	Randall Davies
Elementary Education	Erika Peterson	Stefinee Pinnegar
English	Wayne Sandholtz	Brandie Siegfried
English	Claire Sorensen	Cindy Brewer
English	Kristen Davis	Cindy Brewer
English	Dallin Bailey	Cynthia Hallen
English	David Lassetter	David Paulsen
English	Whitney Sorensen	Deborah Dean
English	Cathryn Peers	Deborah Dean
English	Emmaline Wilson	Don Chapman
English	Shelsea Van Ornum	Doris Dant
English	Betsy Snider	Doris Dant
English	Kasia Cook	Hans-Wilhelm Kelling
English	Taylor Rose	Jeff Parkin
English	Katharine Anderson	John Bennion
English	Michael Taylor	Laura Smith
English	Shannon Stimpson	Nicholas Mason
English	Max Ogles	Patrick Madden
English	Sara Smith	Quinn Galbraith
English	Eve German	Steven Walker
English	Hal Robert Boyd	Susan Black
English	Calvin Olsen	Susan Howe
English	Celeste Zsembery	Wendy Baker
English	Jessica Evans	Wendy Baker
English	Adam Prestidge	William Eggington
Environmental Science	Adam Dunstan	Gary Bryner
Environmental Science	Loren Begay	Zachary Aanderud
Environmental Science	Deborah Thompson	Zachary Aanderud
Exercise Science	Stephanie Richards	Barbara Lockhart
Exercise Science	Darren Goring	David Thomson
Exercise Science	Trenden Flanigan	Eric Wilson
Exercise Science	Jonathan Neubert	Julianne Grose
Exercise Science	Dylan Pratt	Paul Savage
Exercise Science	David Holt	Robert Seegmiller
Exercise Science	Michael Henderson	Robert Seegmiller
Exercise Science	Elliot Winters	Steven Johnson
Exercise Science	Amy Nagle	Wayne Johnson
Exercise Science	Corbin Jacobs	William Pitt
Exercise Science	Jayson Johnson	Barbara Lockhart
Family Life	Mary Kent	Catherine Burnham
Food Science	Brandon Jahner	Michael Dunn
Food Science	Jonathan Swindler	Michelle Lloyd
Genetics and Biotechnology	Sudeep Ghimire	Craig Coleman
Genetics and Biotechnology	Erin Ladle	Jeff Maughan
Genetics and Biotechnology	Charles (Danny) Knechtel	Kim O'Neill

Geography	Andrew Keske	Matthew Bekker
Geography	Brian Bunker	Ryan Jensen
Geology	Joel Edwards	Barry Bickmore
Geology	Rachel Dunn	Ron Harris
Geology	Carl Hoiland	Ron Harris
German	Zachary Duvall	Hans-Wilhelm Kelling
German	Phil Thomas	Joseph Ostraff
German	Jessica Anderson	Laura Catharine Smith
German	David Mann	Michelle James
German	Robert B Sowby	Michelle James
German	Daniel Shoop	Robert McFarland
Graphic Design	Michelle Sorensen	Adrian Pulfer
Graphic Design	K. Colin Pinegar	Adrian Pulfer
History	Samuel Wells	Christopher Hodson
History	Mitchell McClellan	Keith Wilson
History	Annalaisa Plessinger	Maggie Kopp
History	Jeffrey Tucker	Michael MacKay
History	Carlee Reed	Paul Stavast
History	Paige Tuft	Rebecca de Schweinitz
History	Chase Arnold	Sheila Bibb
History	Samuel Dodge	Steven Harper
Home and Family Living	Alyssa Brown	Janet Erickson
Home and Family Living	Misty Lefrandt	Todd Manwaring
Humanities	Susanna Allred	Michael Call
Illustration	Maria Mercer	Robert Barrett
Industrial Design	Christopher Hanks	Dave Morgan
Information Systems	Marissa Nielsen	David Wiley
Information Technology	Michael Christensen	Michael Bailey
Integrative Biology	Cory Davis	Beverly Roeder
Integrative Biology	Angela Jensen	Leigh Johnson
International Relations	Josephine Borich	Chris Karpowitz
International Relations	Brett Peterson	Christopher Meek
International Relations	Zach Christensen	Daniel Nielson
International Relations	Damian Rosas	Darren Hawkins
International Relations	Kennard Noyes	Michael Findley
International Relations	Philip Hurst	Ray Huntington
International Relations	Dario Espinoza	Warner Woodworth
Latin American Studies	John Heathcote	Josh West
Latin American Studies	Matthew Cox	Ralph Brown
Linguistics	Justin Parry	Dilworth Parkinson
Linguistics	Jonathan Porter	Mark Tanner
Linguistics	Emily Allen	Norman Evans
Linguistics	William Wilson	Deryle Lonsdale
Manufacturing Engineering Technology	Christopher Welton	Perry Carter
Marriage & Family Studies	Sarah June Carroll	E. Jeffrey Hill
Marriage & Family Studies	Kimber Albrechtsen	Leonard Tournay
Marriage & Family Studies	Lacey Nielson	Terrance Olson
Marriage, Family, & Human Development	KayLee Dunn	Dean Busby
Marriage, Family, & Human Development	Benjamin Malczyk	Jeremy Yorgason
Mathematics	Donald Sampson	Gary Lawlor

Mathematics	Lee J. Hinkle	Iain Hunter
Mathematics	Gretchen Schillemat	Jeffrey Humpherys
Mathematics	Enoch Yeung	Sean Warnick
Mechanical Engineering	David Williams	Anton Bowden
Mechanical Engineering	Brian Spencer	Anton Bowden
Mechanical Engineering	Shane Curtis	Christopher Mattson
Mechanical Engineering	Oliver Johnson	David Fullwood
Mechanical Engineering	Christopher Brinkerhoff	Julie Vanderhoff
Mechanical Engineering	John Christiansen	Matthew Jones
Mechanical Engineering	Jonathan Wright	Paul Savage
Mechanical Engineering	Devin Athey	Randy Lewis
Mechanical Engineering	Preston Murray	Scott Thomson
Mechanical Engineering	Bryce McEwen	Steven Gorrell
Mechanical Engineering	Mark Cutler	Tim McLain
Media Arts	Jacob Schwarz	Thomas Russell
Media Arts	Travis Pitcher	Thomas Lefler
Media Arts	Jacob Fenn	Thomas Russell
Microbiology	Jared Lambert	Brian Poole
Microbiology	Sarah Gehen	David Erickson
Microbiology	Katalyn Griffith	John Bell
Microbiology	Steven Sowa	Julianne Grose
Microbiology	Kevin Hiatt	Michael Whiting
Microbiology	Matthew Moulton	Michael Whiting
Middle Eastern Studies	Estee Ward	Donna Bowen
Molecular Biology	Mac Martin	Byron Adams
Molecular Biology	Taylor Gardner	Eric Wilson
Molecular Biology	Lauren Zagieboylo	Eric Wilson
Molecular Biology	Chinn-Woan Shih	Richard Robison
Molecular Biology	Susie Choi	Young Wan Ham
Molecular Biology	Broc McCune	Laura Bridgewater
Music	Katherine Lyman	Christian Clement
Music	Kevin Jenson	Christopher Oscarson
Music	Emily Bateman	Lawrence Vincent
Music	Angela Barlow	Steven Ricks
Music	Heather Perkins	Brian Willoughby
Music	Noelle Rader	Claudine Bigelow
Music	Nicole Okeson	Kirt Saville
Neuroscience	Jenessa Halliday	Charles Nuckolls
Neuroscience	Ryan Martin	David Busath
Neuroscience	David Lee	Dixon Woodbury
Neuroscience	Landon Hansen	Donald Forsyth
Neuroscience	Benjamin Hogen	Edwin Lephart
Neuroscience	Trevor Hansen	Edwin Lephart
Neuroscience	Sierra Debenham	Erin Bigler
Neuroscience	Amanda Berbert	John Bell
Neuroscience	Taylor Turnbull	John Kauwe
Neuroscience	Bret Gardner	Michael Stark
Neuroscience	Jeffrey Clark	Paul Savage
Neuroscience	Jacob Jones	Ross Flom
Neuroscience	Brian Hoyt	Scott Steffensen



Neuroscience	Kyle Ellefsen	Scott Steffensen
Neuroscience	Stephanie Sandoval	Scott Steffensen
Neuroscience	Andrew Romney	Sterling Sudweeks
Neuroscience	Kfir Orgad	Tory Parker
Nursing	Cassidy Tomao	Ana Sanchez Birkhead
Nursing	Corinne Jackman	Barbara Mandleco
Nursing	McKenzie Miller	Barbara Mandleco
Nursing	Danielle Davidson	Barbara Mandleco
Nursing	Caitlin Peterson	Barbara Mandleco
Nursing	Elizabeth Heightchew Ward	Barbara Mandleco
Nursing	Diana Snyder	Beth Cole
Nursing	Robin Ellis	Erin Maughan
Nursing	Christina Bohn	Lynn Callister
Nursing	Glauco Souza	Lynn Callister
Nursing	Christina Hunter	Patricia Ravert
Nursing	Jeff Brown	Renea Beckstrand
Nutritional Science	Scott Brunson	Chad Hancock
Nutritional Science	Nicholas Wallace	Laura Bridgewater
Nutritional Science	Josh Reber	Tory Parker
Nutritional Science	Richard Low	Tory Parker
Organ Performance	Mark Campbell	Douglas Bush
Organizational Behavior	Brian Reschke	Kristen DeTienne
Physics	Benjamin Frandsen	Branton Campbell
Physics	Aaron Bennett	Dallin Durfee
Physics	Lauren Richey	John Gardner
Physics	Joseph Nelson	Karine Chesnel
Physics	Taylor Wood	Richard Vanfleet
Physics	Cary Tippetts	Robert Davis
Physics	Pedro Acosta	Tyler Jarvis
Physics	Derek Felli	Victor Migenes
Physiology and Developmental Biology	Tanner Goff	Bruce H. Woolley
Physiology and Developmental Biology	Ryan Stewart	David Erickson
Physiology and Developmental Biology	Miguel Teixeira	David Kooyman
Physiology and Developmental Biology	Amanda Fujiki	David McPherson
Physiology and Developmental Biology	Aaron Smith	Jeffery Barrow
Physiology and Developmental Biology	Jace Bullard	Marc Hansen
Physiology and Developmental Biology	Jessica Callahan	Marie Cornwall
Physiology and Developmental Biology	Jeffrey Stogsdill	Paul Reynolds
Physiology and Developmental Biology	Joshua Lloyd	Robert Seegmiller
Political Science	Bradley Masters	Christopher Karpowitz
Political Science	David Lassen	Christopher Karpowitz
Political Science	Dustin Homer	Daniel Nielson
Political Science	Michael Davidson	Joel Selway
Political Science	Annie Samhour	Ralph Brown
Political Science	Aimee Farnsworth	Valerie Hudson
Psychology	Allen Sabey	Brent Slife
Psychology	Chase O'Gwin	Brent Slife
Psychology	Brandon McDaniel	Erin Holmes
Psychology	Trisha Markle	Gary Burlingame
Psychology	Michael Zhang	Harold Miller

Psychology	Hayley Darchuck	Marie Cornwall
Psychology	Alexander Gray	Michael Larson
Psychology	Brenna Adams	Michael Larson
Psychology	Jaime Ballard	Mikle South
Psychology	Katherine Taylor	Mikle South
Psychology	Denise Free	Ross Flom
Psychology	Nichole Wojciechowski	Ross Flom
Psychology	Devan Stevens	Sam Hardy
Psychology	David Rackham	Sam Hardy
Psychology	Ryan Funk	Sam Hardy
Psychology	Darrell Matthews	Shawn Nissen
Psychology	Joshua Kirton	Timothy Smith
Psychology	Erin Anderson	Betty Ashbaker
Public Health	German Cuadra	Bradford Berges
Public Health	Jessica Lowe	Carl Hanson
Public Health	Cecilia Fernandez	Gene Cole
Public Health	Oliver Johnston	Mikle South
Public Relations	Nicole Goring	Steven Thomsen
Russian	Brian Wright	Michael Stark
Sociology	Kendel Christensen	David Paulsen
Sociology	Kiira Fox	Renata Forste
Sociology	Erin Moore	Renata Forste
Sociology	Patrick Frost	Stefinee Pinnegar
Sociology	Jaren Meldrum	Todd Goodsell
Sociology	Macrae McDermott	Valerie Hudson
Sociology	Amber Brown	Stephen Bahr
Sound Recording Technology	Justin Aiken	Lawrence Green
Spanish Education	Elise Williams	Dr. Ray Graham
Special Education	Maria Jose Sanchez Wals	C. RAY Graham
Special Education	Katrina Anderson	Michelle Marchant
Statistical	Andrew Olsen	Shane Reese
Statistics	Michelle Withers	W. Evan Johnson
Studio Arts	Jonathan Frioux	Mark Magleby
Technology & Engineering Education	Brian Jones	Geoffrey Wright
Theatre and Media Arts	Clifford Newman	Ben Unguren
Theatre and Media Arts	Zachary Kempf	George Nelson
Theatre and Media Arts	Rebecca Potter Summers	Thomas Lefler
Theatre and Media Arts	Phillip Goodwin	Thomas Russell
Visual Arts	America Chumpitaz	Adrian Pulfer
Visual Arts	Christine Armbruster	Paul Adams
Wildlife and Wildlands Conservation	Nicholas Davis	Ryan Jensen



# 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.

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**Title: Personnel**

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**Director:** Gary R. Reynolds  
**Associate Director:** Gene Larson  
**Research Administrator:** Nancy A. Davis  
**Research Administrator:** Sandee Munoz  
**Office Manager/Secretary:** Jennifer Ricks  
**Part-time Secretaries:** Hanna Caldwell, Tara Brinkerhoff, Tyler Robertson, Stefani Leyva  
**Web Site Administrator:** Aaron Hart

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## 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

- Defense Federal Acquisition Regulations

- 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)
- Agency Specific Requirements
  - Certificate of Technical Data Conformity
  - Certification of Accuracy of Indirect Costs
  - Student Unrest
  - NEA Clause on Obscenity