



# 2005 Annual Report

## Office of Research and Creative Activities

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

# Table of Contents

Preface .....	3
The University .....	4
Information by College or School .....	13
Biology & Agriculture .....	18
David O. McKay School of Education .....	27
Engineering & Technology .....	32
Family, Home & Social Sciences .....	43
Fine Arts & Communications .....	49
Health & Human Performance .....	54
Humanities .....	59
J. Reuben Clark Law School .....	64
Marriott School of Management .....	69
Nursing .....	74
Physical & Mathematical Sciences .....	79
Religious Education .....	88
Non-College Units .....	91
Administrative Support of Compliance Committees and Regulations .....	96
Faculty Recognition .....	101
Student Recognition .....	106
Appendix 1 .....	115
Appendix 2 .....	119

# Preface

This report covers January 1, 2005 to December 31, 2005.

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.

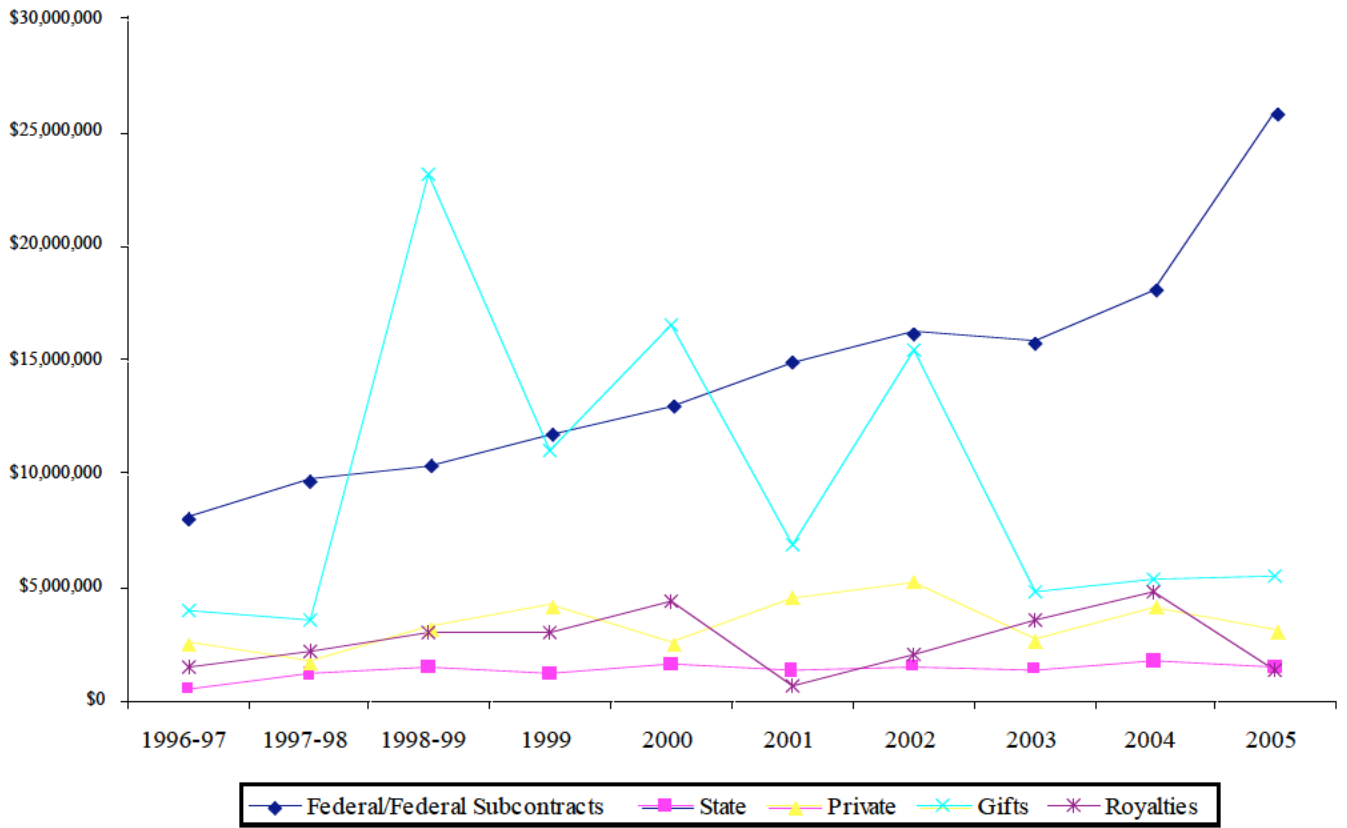
# The University

# External Research Funding

## (All sources including gifts, etc.)

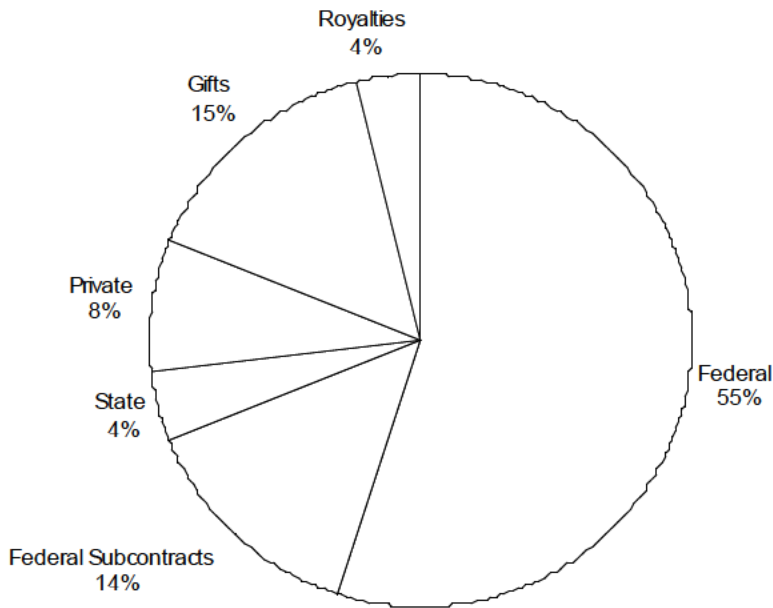
Year	Grants/Contracts				Gifts	Royalties	Total	%Federal
	Federal	Federal Subcontract	State	Private				
1996-97	\$5,752,383	\$2,322,925	\$571,313	\$2,561,252	\$3,969,198	\$1,528,754	\$16,705,825	49%
1997-98	\$7,447,875	\$2,307,126	\$1,174,691	\$1,734,226	\$3,498,303	\$2,148,956	\$18,311,177	53%
1998-99	\$7,689,987	\$2,625,949	\$1,466,440	\$3,236,576	\$23,088,131	\$3,036,079	\$41,143,162	25%
1999	\$9,579,892	\$2,147,400	\$1,189,443	\$4,192,998	\$11,056,985	\$3,036,079	\$31,202,797	38%
2000	\$10,786,727	\$2,194,176	\$1,551,853	\$2,525,966	\$16,585,802	\$4,386,382	\$38,030,906	34%
2001	\$12,319,534	\$2,560,829	\$1,336,012	\$4,526,380	\$6,878,844	\$699,919	\$28,291,518	53%
2002	\$12,942,472	\$3,271,259	\$1,547,471	\$5,210,390	\$15,436,981*	\$2,008,385	\$40,416,958	40%
2003	\$12,412,311	\$3,359,540	\$1,352,811	\$2,694,628	\$4,841,134	\$3,495,245	\$28,155,669	56%
2004	\$14,330,621	\$3,741,503	\$1,708,839	\$4,137,035	\$5,324,291	\$4,812,104	\$34,054,393	42%
2005	\$20,464,956	\$5,366,648	\$1,449,466	\$3,098,213	\$5,460,255	\$1,293,917	\$37,133,455	55%

\* Gift total does not include \$313 million PACE donation to College of Engineering



# External Funds by Source—2005

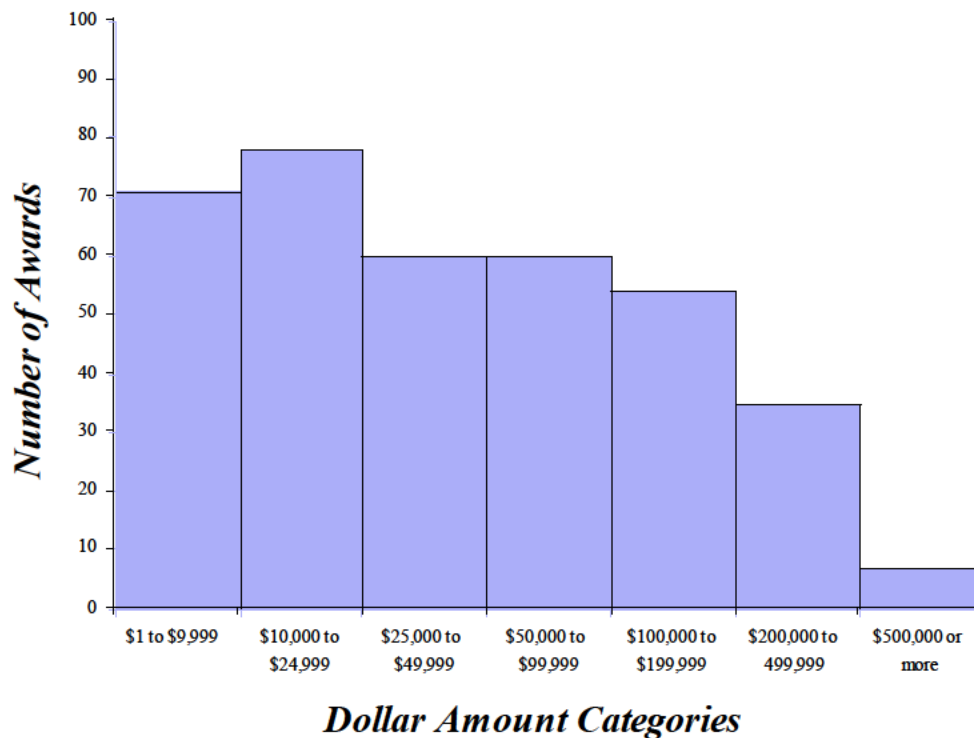
Source	Amount	% of Total
Federal	\$20,464,956	55%
Federal Subcontracts	\$5,366,648	14%
State	\$1,449,466	4%
Private	\$3,098,213	8%
Gifts	\$5,460,255	15%
Royalties	\$1,293,917	4%
<b>Total Funding</b>	<b>\$37,133,455</b>	<b>100%</b>



Federal
  Federal Subcontracts
  State
  Private
  Gifts
  Royalties

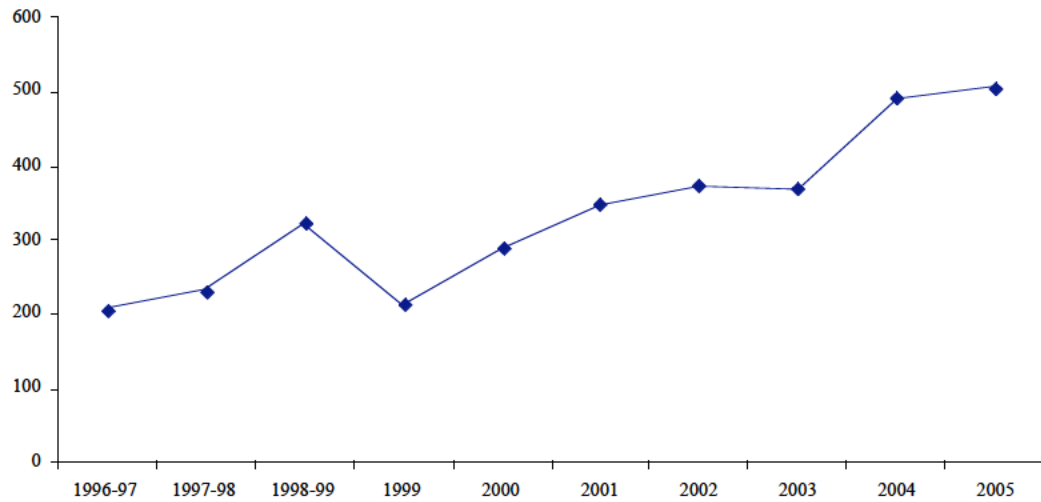
# Grant/Contract Awards by Amount—2005

Dollar Amount Categories	# of Awards	% of Total Awards by #	\$ Awarded	% of Total Awards by \$
\$1 to \$9,999	71	19%	\$297,088	1%
\$10,000 to \$24,999	78	21%	\$1,274,885	4%
\$25,000 to \$49,999	60	17%	\$2,135,688	7%
\$50,000 to \$99,999	60	17%	\$4,135,154	14%
\$100,000 to \$199,999	54	15%	\$7,258,171	24%
\$200,000 to \$499,999	35	9%	\$9,828,329	32%
\$500,000 or more	7	2%	\$5,449,968	18%
<b>Totals</b>	<b>365</b>	<b>100%</b>	<b>\$30,379,283</b>	<b>100%</b>

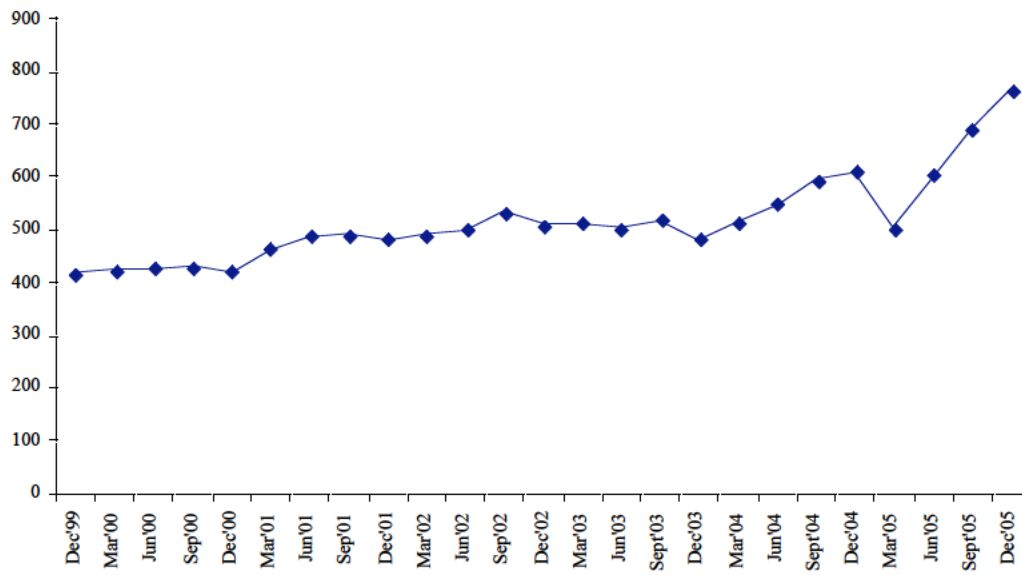




# Proposals Submitted

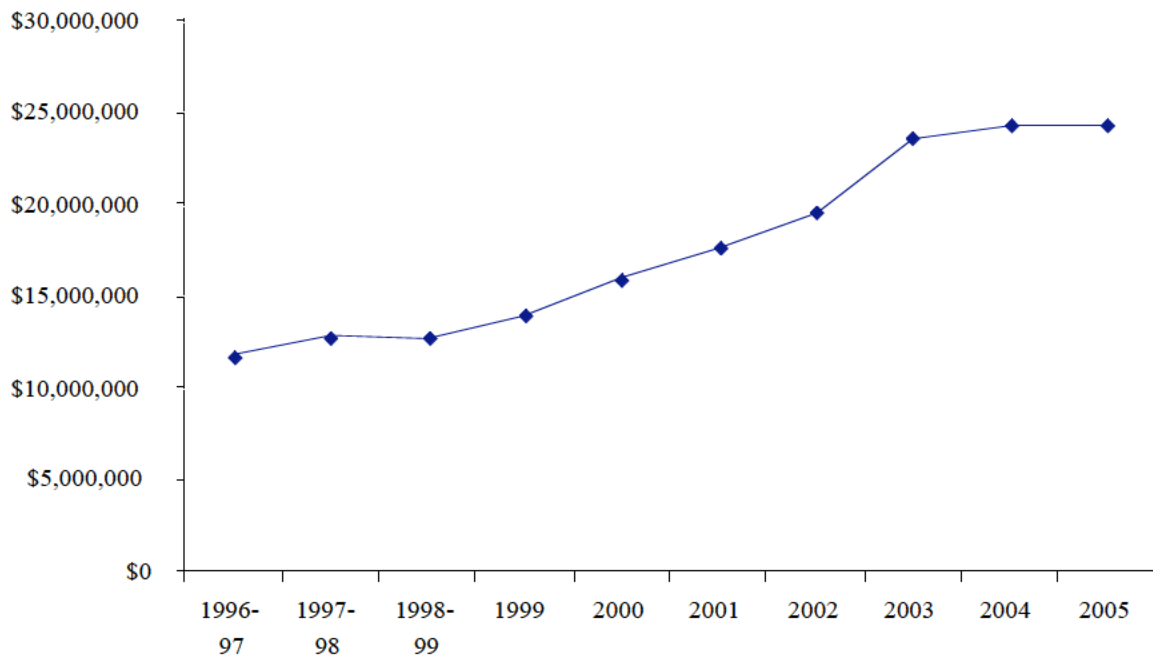


# Active Accounts



# Total Expenditures (Grants and Contracts)

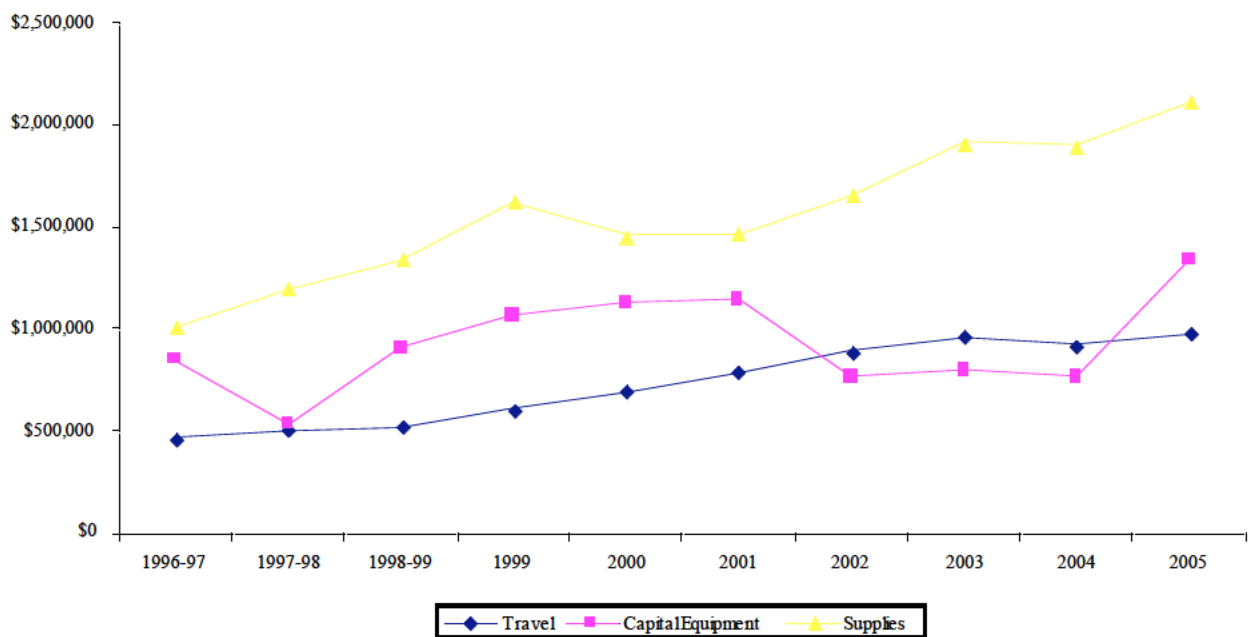
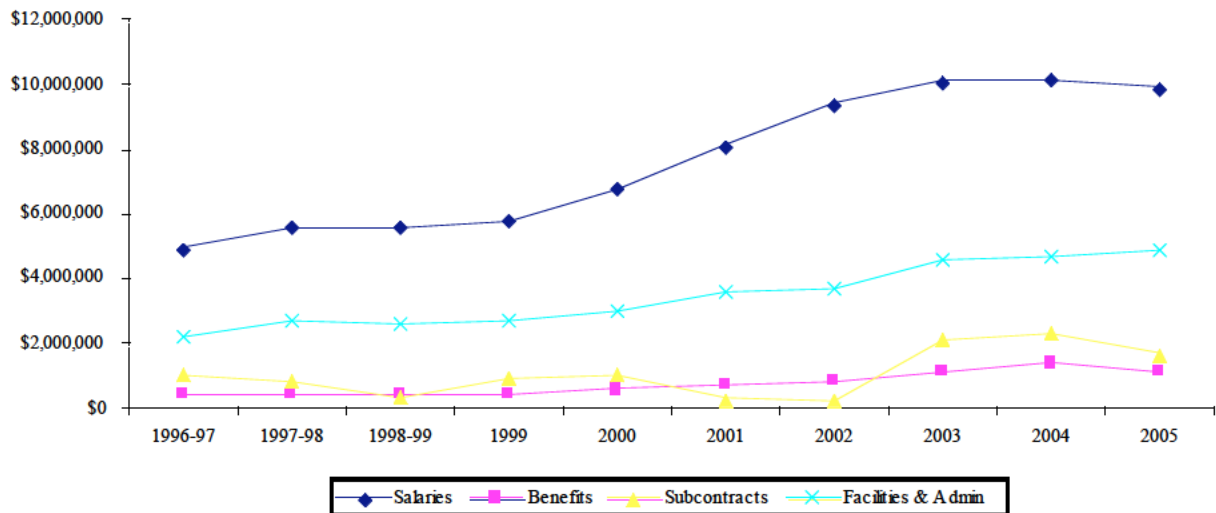
Year	Total Expenditures
1996-97	\$11,779,169
1997-98	\$12,795,126
1998-99	\$12,690,389
1999	\$13,988,008
2000	\$15,966,274
2001	\$17,652,928
2002	\$19,536,264
2003	\$23,623,643
2004	\$24,339,292
2005	\$24,334,391



# 2005 Research Contract/Grant Expenditures by Category

<i>Personnel Costs</i>	<i>Amount</i>
<i>Salaries &amp; Wages</i>	
Administrative Salaries	719,628
Faculty Salaries	793,336
Faculty—Spring/Summer	1,596,051
Faculty—Supplemental	332,312
Faculty—Visiting, Foreign, Post Docs	1,043,920
Part-time Faculty Salaries	317,417
Other Wages	181,389
Staff Salaries	210,196
Student Contracts	2,425,987
Student Wages	2,318,017
<b>Total Salaries &amp; Wages</b>	<b>\$9,938,253</b>
Fringe Benefits	\$1,128,642
<b>Total Personnel Costs</b>	<b>\$11,066,895</b>
<i>Other</i>	
Access Equipment	16,334
Advertising	722
Capital Equipment	1,342,597
Computer Services	752
Conference & Symposium Costs	97,529
Consultants	243,208
Contract Services	141,312
Employee Development/Training	42,248
Equipment Repair & Maintenance	23,248
Facilities & Administration	4,858,554
Facilities Maintenance	83
Facilities Remodel	3,906
Fellowships	158,422
Hosting, Food, Entertainment	12,119
Non-Computer Non-Capital Equipment	134,802
Postage & Mailing	11,154
Printing & Copying	43,528
Program Income	(30,154)
Purchase Discounts Earned	(88)
Rental Expense	86,344
Research Publications Costs	100,030
Software Purchases	59,349
Student Aid	1,095,993
Subcontracts	1,706,139
Supplies	2,109,641
Telecommunications	32,770
Travel	976,416
Utilities	552
<b>Total Other Expenditures</b>	<b>\$13,267,496</b>
<b>Total Research Expenditures</b>	<b>\$24,334,391</b>

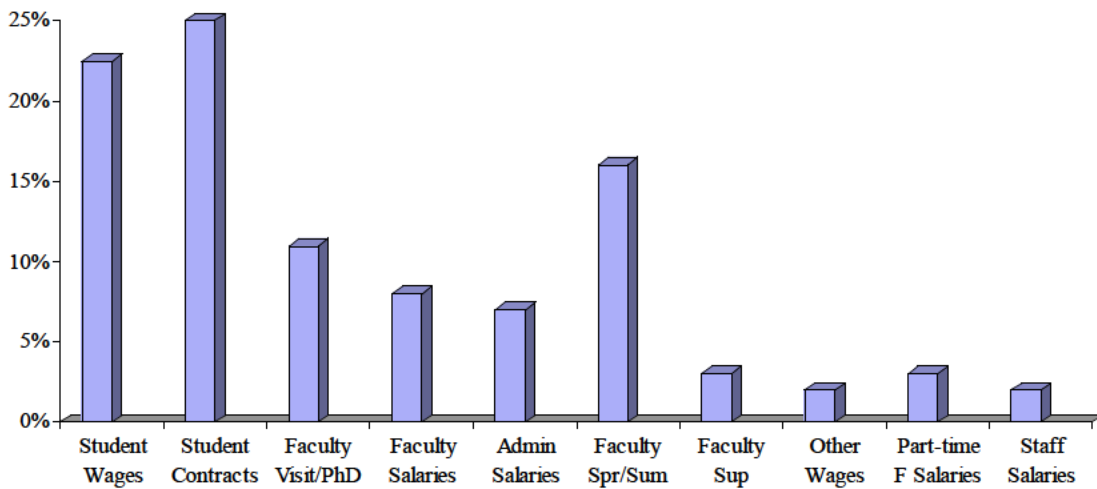
# Research Dollars Expended (Grants and Contracts Only)



# Salary and Wage Expenditures (Grants and Contracts Only)

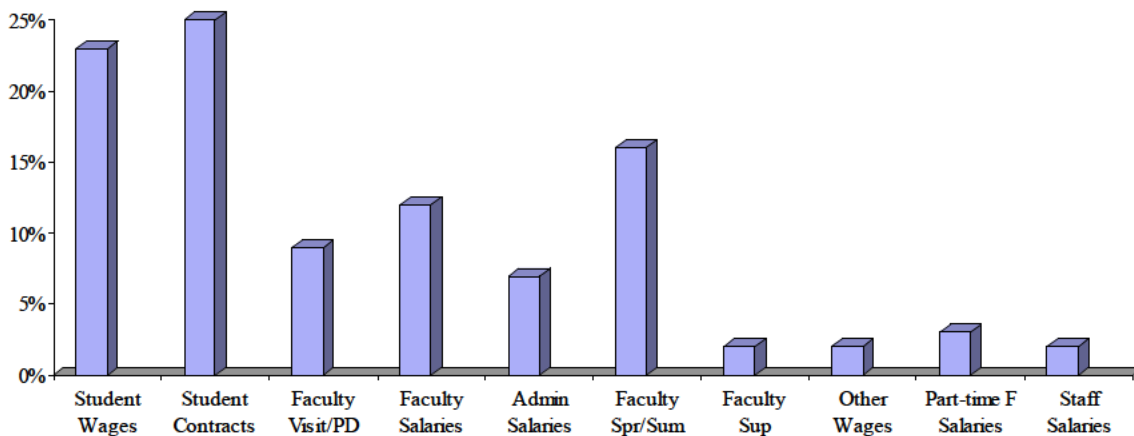
**2005**

**Total: \$9,938,253**



**2004**

**Total: \$10,153,611**

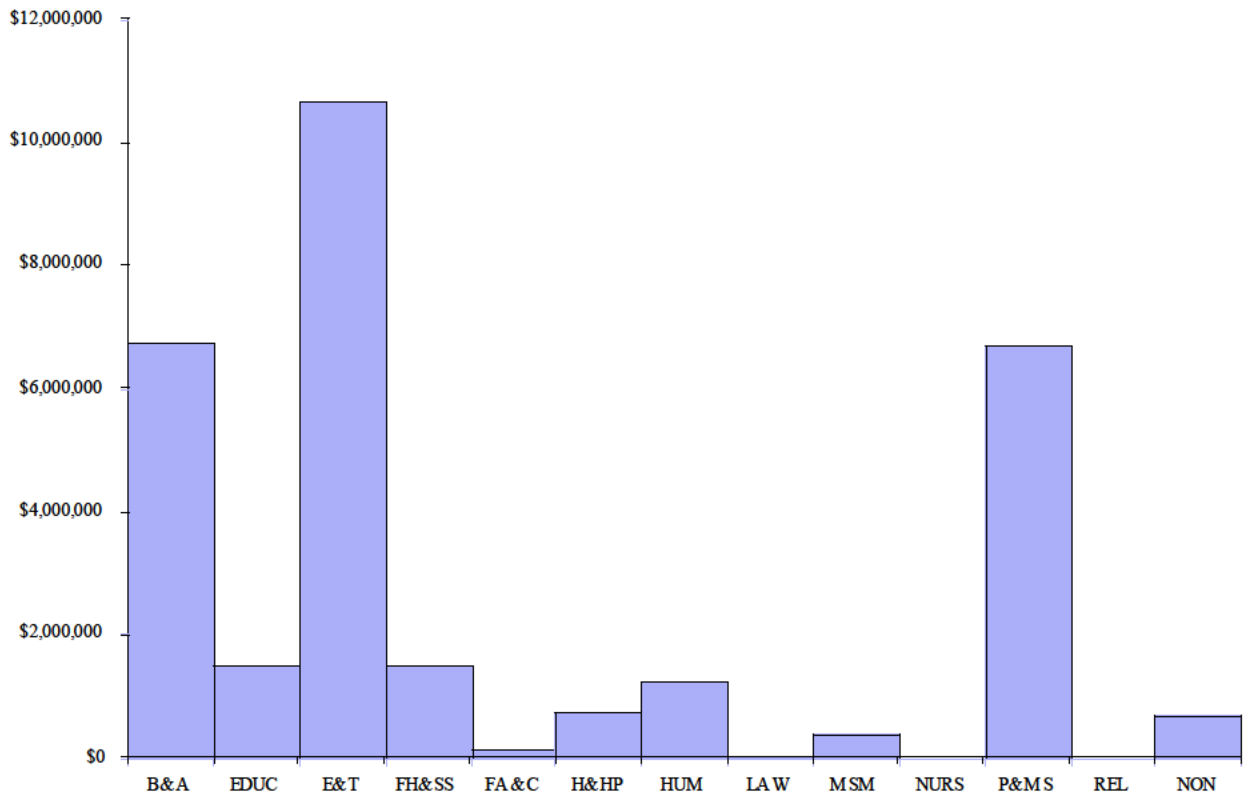




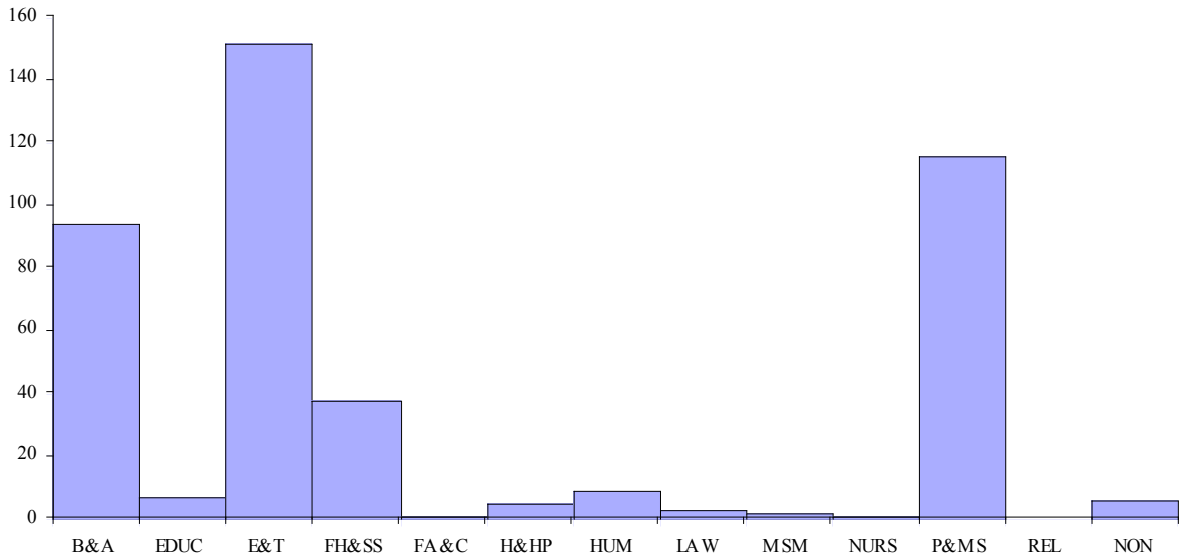
# Information by College or School

# Award Amount Totals 2005

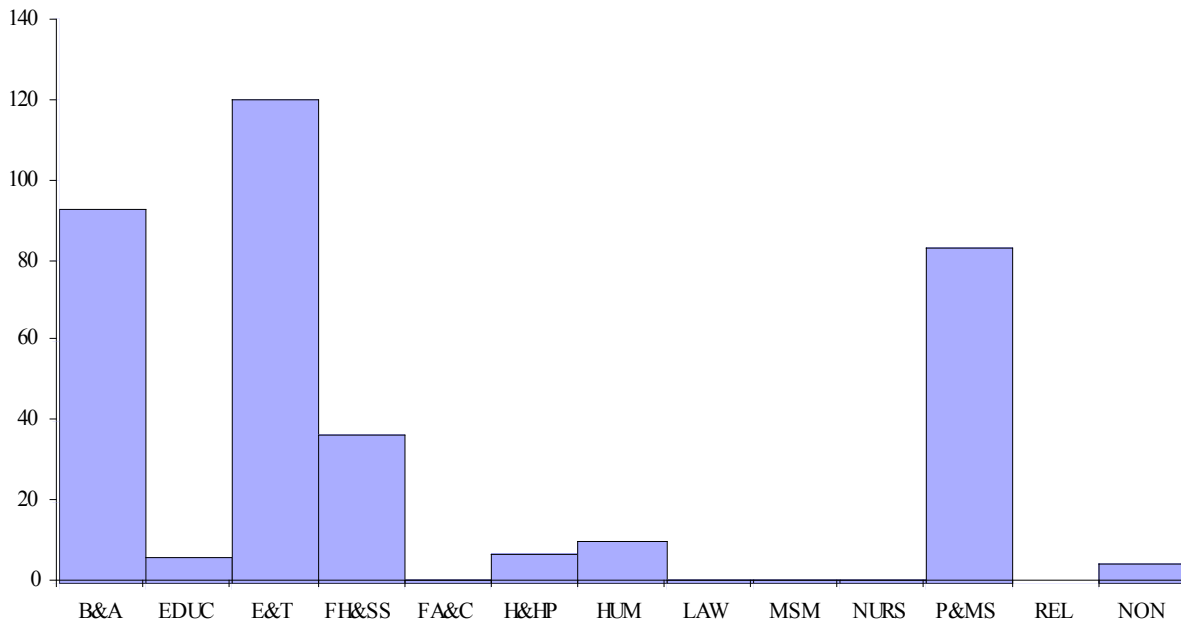
<i>College or School</i>	<i>Total</i>
Biology & Agriculture	\$6,730,142
Education	\$1,520,877
Engineering & Technology	\$10,651,375
Family, Home & Social Sciences	\$1,519,668
Fine Arts & Communications	\$162,521
Health & Human Performance	\$745,349
Humanities	\$1,234,468
J. Reuben Clark Law School	\$24,799
Marriot School of Management	\$370,850
Nursing	\$1,080
Physical & Mathematical Sciences	\$6,709,304
Religious Education	\$0
Non-College Units	\$708,850
<b><i>University Total</i></b>	<b>\$30,379,283</b>



# Number of Proposals 2005



# Number of Awards 2005





# Research Contract/Grant Expenditures by College and Department 2005

<i>College and Department</i>	<i>Amount</i>
<b><u>Assoc Academic VP</u></b>	
Internship Programs	15,288
Royalties-Adm	(8,374)
Technology Transfer	19,619
<b>TOTAL</b>	<b>\$ 54,212</b>
<b><u>Biology &amp; Agriculture</u></b>	
Integrative Biology	2,665,348
Microbiology-Molecular Biology	399,094
Monte Bean Life Science Museum	23,170
Nutrition-Dietetic-Food Science	234,094
Physiology-Developmental Biology	892,385
Plant and Animal Sciences	160,761
<b>TOTAL</b>	<b>\$ 4,374,852</b>
<b><u>Education</u></b>	
Audiology-Speech-Lang Pathology	37,394
Cites	108,848
Counseling & Special Education	171,156
Teacher Education	301,631
<b>TOTAL</b>	<b>\$ 619,029</b>
<b><u>Engineering &amp; Technology</u></b>	
Chemical Engineering	1,745,104
Civil and Environmental Eng	2,053,792
Electrical and Computer Eng	2,370,269
Mechanical Engineering	3,286,321
School of Technology	121,681
<b>TOTAL</b>	<b>\$ 9,577,167</b>
<b><u>Family Home &amp; Social Sciences</u></b>	
Anthropology	112,588
Economics	1,794
Geography	11,880
History	68,139
Museum of Peoples and Cultures	80,635
Office of Public Archeology OPA	52,471
OPA Administration	82,881
Political Science	537,534
Psychology	469,294

<b><i>College and Department</i></b>	<b><i>Amount</i></b>
School of Family Life	55,986
Smith Institute	97,190
Social Work	12,317
Sociology	11,167
<b>TOTAL</b>	<b>\$ 1,593,875</b>
<b><u>Health &amp; Human Performance</u></b>	
Health Sciences	319,672
Exercise Science	310,220
<b>TOTAL</b>	<b>\$ 629,892</b>
<b><u>Humanities</u></b>	
Asian & Near East Languages	17,483
Center for Language Studies	528,268
Humanities, Classic, Comp Lit	7,575
Linguistics	191,979
<b>TOTAL</b>	<b>\$ 745,305</b>
<b><u>International Affairs Vice President</u></b>	
Kennedy International Center	756,920
<b>TOTAL</b>	<b>\$ 756,920</b>
<b><u>J. Reuben Clark Law School</u></b>	<b>\$ 5,224</b>
<b><u>Library</u></b>	<b>\$ 20,585</b>
<b><u>Marriott School of Management</u></b>	
Center for International Management	1,141,381
Marriott School of Management	(689,763)
<b>TOTAL</b>	<b>\$ 451,618</b>
<b><u>Nursing</u></b>	<b>\$ 205</b>
<b><u>Physical &amp; Math Sciences</u></b>	
Chemistry and Biochemistry	3,269,533
Computer Science	710,034
Geology	245,249
Mathematics	162,609
Physics & Astronomy	1,028,280
Statistics	89,800
<b>TOTAL</b>	<b>\$ 5,505,505</b>
<b>Grand Total</b>	<b>\$ 24,334,391</b>

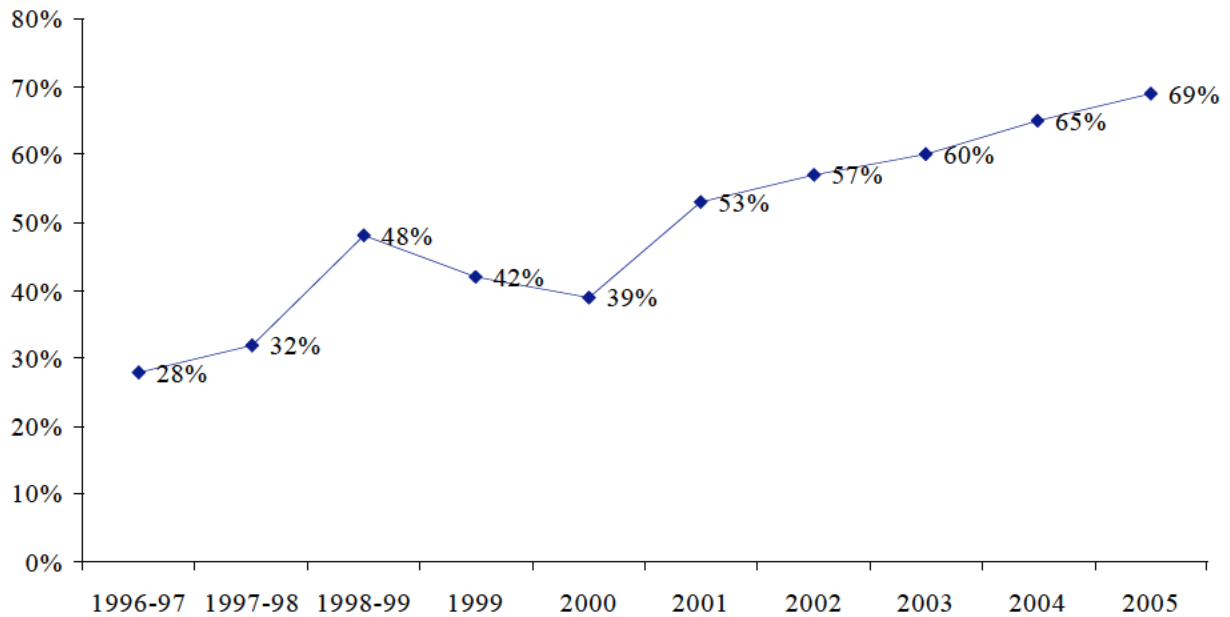


College of  
Biology  
&  
Agriculture

# Summary of Sponsored Research (Grants & Contracts)

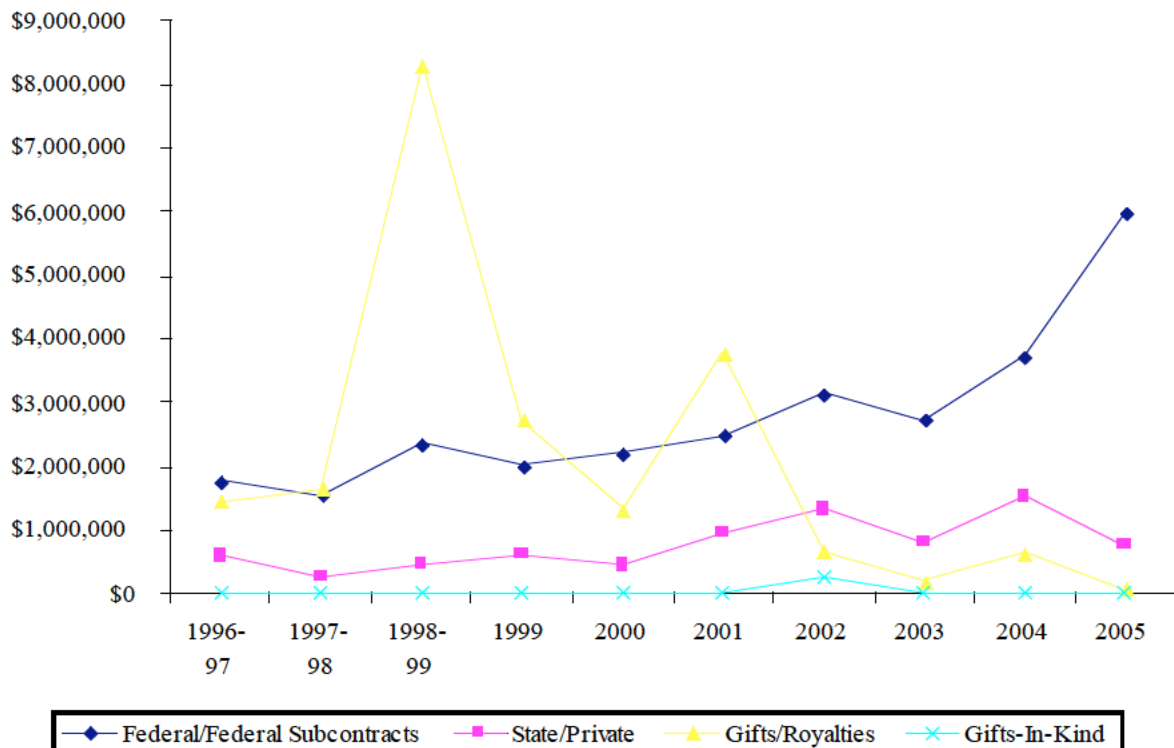
Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Bean Museum	3	0	0	0	\$0
Integrative Biology	37	42	52	55	\$4,341,101
Microbiology & Molecular Biology	19	12	12	16	\$1,239,666
Nutrition, Dietetics & Food Science	15	4	4	12	\$120,200
Physiology & Developmental Biology	17	10	17	6	\$778,937
Plant & Animal Science	18	8	9	8	\$250,238
<b>TOTALS</b>	<b>109</b>	<b>76</b>	<b>94</b>	<b>93</b>	<b>\$6,730,142</b>

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Gifts/Royalties	Gifts-In-Kind	Total
	Federal/Federal Subcontracts	State/Private			
1996-97	\$1,763,717	\$600,668	\$1,456,474	\$0	\$3,820,859
1997-98	\$1,547,816	\$264,232	\$1,643,295	\$0	\$3,455,343
1998-99	\$2,370,292	\$471,857	\$8,318,486	\$0	\$11,160,635
1999	\$2,010,191	\$616,711	\$2,729,011	\$0	\$5,355,913
2000	\$2,218,777	\$447,877	\$1,318,477	\$0	\$3,985,131
2001	\$2,484,780	\$958,960	\$3,796,391	\$0	\$7,240,131
2002	\$3,144,951	\$1,331,910	\$652,762	\$255,000	\$5,384,623
2003	\$2,734,614	\$805,898	\$200,259	\$0	\$3,740,771
2004	\$3,744,218	\$1,525,364	\$638,435	\$0	\$5,908,017
2005	\$5,974,159	\$755,983	\$75,746	\$0	\$6,805,888



# College of Biology and Agriculture 2005 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Start Date</u>	<u>End Date</u>	<u>Type</u>	<u>Amount</u>	<u>N/C</u>
<i>Integrative Biology</i>								
Allpin-Woolstenhulme, Loreen		Forest Service	Draba asterophora	7/27/2005	12/30/2005	1	\$5,500	N
Anderson, Val		US Army (Dugway)	Dugway ITAM project	4/30/2004	9/30/2006	1	\$13,800	C
Anderson, Val	w/Roundy, Bruce	USDA Forest Service	Strategies and methodologies for diversifying created wheatgrass stands	7/8/2004	9/30/2006	1	\$15,000	C
Anderson, Val		USDA Forest Service	Evaluations on the affect of flower and seed predation....	8/18/2005	9/30/2006	1	\$19,000	N
Anderson, Val		Dugway Proving Grounds	Dugway ITAM Project	9/1/2004	9/30/2006	1	\$50,000	C
Anderson, Val		Uncompahgre/Com, Inc	Effects of plant Spacing and Irrigation Timing on Seed Production	9/1/2004	8/31/2014	4	\$41,625	N
Atwood, Duane		BLM-Dept of Interior	Floristic Study of Rich County, Utah....	8/10/2005	5/30/2007	1	\$6,000	N
Atwood, Duane		BLM	Pollination Study of native Reseating	9/20/2005	12/31/2007	1	\$15,000	N
Belk, Mark		UT State Dept of Natural Resources	Growth and Survival of Young June Suckers	6/1/2005	12/31/2006	3	\$33,200	C
Belk, Mark		DWR	Growth and Survival of Young June Suckers	7/1/2002	12/31/2007	3	\$33,200	C
Belk, Mark		DWR	Heritability of Morphological Variation	6/1/2005	12/31/2006	3	\$36,850	C
Black, Hal		UT State Div of Wildlife Resources	Black Bear Reproduction	4/15/2004	12/31/2005	3	\$11,520	N
Black, Hal		UT Dept of Natural Resources	Distribution of Small Mammals in the Eastern Great Basin...	6/2/2005	5/31/2006	3	\$27,428	C
Cameron, Stephen		NSF	Testing Utility of Mitochondrial Genome Rearrangements	3/1/2005	2/29/2008	1	\$150,000	N
Crandall, Keith	w/ Whiting, Michael	NSF	Biocomplexity: Hexapod Phylogenomics; REU Supplement	1/1/2002	12/31/2006	1	\$2,400	C
Crandall, Keith		NSF	Systematics and Evolution of Barnacles	4/18/2005	8/31/2006	1	\$101,090	N
Crandall, Keith		NSF	Systematics and Evolution of Barnacles	3/18/2005	8/31/2005	1	\$12,000	C
Crandall, Keith		NSF (RET)	RET	5/4/2005	8/31/2006	1	\$20,000	N
Crandall, Keith		NSF	Collaborative Research ATOL	9/15/2005	8/31/2006	1	\$118,130	N
Crandall, Keith	w/Johnson, Jerry	NSF	Speciation in Patagonia	10/1/2005	9/30/2008	1	\$312,319	N
Crandall, Keith		Johns Hopkins (NIH)	Molecular Epidemiology of N Gonorrhoeae	5/1/2002	2/28/2006	2	\$116,112	C
Crandall, Keith		Arkansas Game & Fish Commission	Status and Genetic of Procamburus ferrugenus	2/15/2005	8/31/2005	3	\$8,000	C
Crandall, Keith		PhRMA Foundation	Sabbatical Fellowship in Informatics	8/1/2005	7/31/2005	4	\$40,000	N
Crandall, Keith		US-Israel Binational Science Foundation	Systematics and Phylogeography of Chthamalus Barnacles	10/1/2005	9/30/2006	4	\$11,500	N
Evans, Paul	w/ Shiozawa, Dennis	Montana Fish, Wildlife & Parks	Sculpin Genetics	7/1/2005	9/30/2006	3	\$5,000	N
Flinders, Jerran		GSLR&DC (USDA)	NRCS Pygmy Rabbit Study	5/17/2005	5/16/2006	2	\$70,876	N
Flinders, Jerran		Utah reclamation Mitigation and Conservation Commission		7/1/2005	6/30/2006	3	\$90,000	C
Flinders, Jerran		State of Utah DWR	Joint Completion of Wildlife Conservation Manuscripts	3/1/2005	2/28/2006	3	\$13,436	N
Flinders, Jerran		UT Dept of Natural Resources	Pygmy Rabbit and Sagebrush	6/1/2005	5/31/2006	3	\$60,000	N
Flinders, Jerran	w/Randy Larson	UT DNR	Scientific research study on Guzzlers and Chukar Partridge.	8/19/2005	6/30/2006	3	\$19,943	N
Flinders, Jerran		Various Private Sources	Wildlife Population Dynamics	4/14/2005	12/31/2010	4	\$3,000	C
Flinders, Jerran		Pershing County Chukars	Chukar Study	2/8/2005	2/28/2006	4	\$2,500	N
Flinders, Jerran		Nevada Chukar Fdn.	Chukar Study	2/8/2005	4/7/2006	4	\$10,000	C
Flinders, Jerran		Utah Chukar	Benefits Impacts and Proper Spacing...	6/27/2005	6/26/2006	4	\$2,000	C

		Foundation						
Flinders, Jerran		WWF	Benefits Impacts and Proper Spacing...	6/27/2005	6/26/2006	4	\$5,000	C
Flinders, Jerran		Various Private	Chuckar Partridge Research	2/8/2005	8/30/2006	4	\$5,500	C
Hanegan, Nikki	w/Crandall, Keith	NSF	Collaborative Research ATOL	9/15/2005	8/31/2006	1	\$118,130	N
Hanegan, Nikki		UT State Office of Ed (ED)	Secondary Science Core Academy	2/22/2005	4/30/2006	2	\$95,878	N
Johnson, Jerald		Utah DWR	Effects of Historical an Contemporary Fragmentation on Speciation....	7/1/2005	6/30/2006	3	\$15,660	N
Johnson, Jerry		NSF	Speciation in Patagonia	10/1/2005	9/30/2008	1	\$312,321	N
Johnson, Leigh		NSF	Phylogenetic and Evolutionary Inferences; REU	1/15/2004	12/31/2006	1	\$6,000	C
Johnson, Leigh		NSF	MRI: Acquisition of DNA-manipulation robotics....	8/1/2005	7/31/2008	1	\$67,502	N
Johnson, Leigh	w/Johnson, Jerry	NSF	Speciation in Patagonia	10/1/2005	9/30/2008	1	\$312,319	N
Johnson, Robert	w/Anderson, Val	USDA Forest Service	Evaluations on the affect of flower and seed predation....	8/18/2005	9/30/2006	1	\$19,000	N
Larson, Randy		UT DNR	Scientific research study on Guzzlers and Chukar Partridge.	8/19/2005	6/30/2006	3	\$19,943	N
Miller, Kelly		NSF	Collaborative Research: Phylogeny, Behavior and Silk Evolution of Webspinners.	9/1/2005	8/31/2006	1	\$15,260	N
Moon, Katie	w/Atwood, Duane	BLM-Dept of Interior	Floristic Study of Rich County, Utah....	8/10/2005	5/30/2007	1	\$6,000	N
Peck, Steven		USDA	Contributions to a framework for managing insect resistance	1/7/2004	8/31/2007	1	\$25,000	C
Peck, Steven		USDA	Movement of Bactrocera dorsalis in Hawaiian agrocossystems	9/24/2001	9/23/2006	1	\$20,000	N
Raymer, Danny	w/ Flinders, Jerran	Various Private Sources	Wildlife Population Dynamics	4/14/2005	12/31/2010	4	\$3,000	C
Rogers, Duke		NSF	Systematic Biology and Bioinformatics Research Experience	2/25/2005	7/31/2006	1	\$75,000	C
Roundy, Bruce		USDA Forest Service	Strategies and methodologies for diversifying created wheatgrass stands	7/8/2004	9/30/2006	1	\$15,000	C
Roundy, Bruce		USGS-Dept of Interior	A regional experiment to evaluate fire....	7/29/2005	5/22/2005	1	\$486,484	N
Shiozawa, Dennis		Utah DWR	Genetic Analysis of Cutthroat Trout	11/1/2003	6/30/2005	3	\$2,000	C
Shiozawa, Dennis		Montana Fish, Wildlife& Parks	Sculpin Genetics	7/1/2005	9/30/2006	3	\$5,000	N
Shiozawa, Dennis		Yellowstone Park Fndn.	Temporal Genetic Structure of Spawning Populations...	5/9/2005	8/1/2006	4	\$13,000	N
Sites, Jack		NSF	REU Supplement: Physogeny of the Lizard Family	6/1/2002	5/31/2006	1	\$6,000	C
Sites, Jack		NSF	Resolving Squamate Phylogeny	1/1/2004	21/31/05	1	\$6,000	C
Sites, Jack		NSF	Resolving Suamate Phylogency...	5/31/2005	12/31/2006	1	\$123,688	N
Sites, Jack	w/Johnson, Jerry	NSF	Speciation in Patagonia	10/1/2005	9/30/2008	1	\$312,319	N
St. Clair, Larry		Forest Service	Air Quality and soil erosion monitoring program in the Uintas	8/12/2005	2/28/2007	1	\$14,963	N
Welsh, Stanley	w/Atwood, Duane	BLM-Dept of Interior	Floristic Study of Rich County, Utah....	8/10/2005	5/30/2007	1	\$6,000	N
White, Clayton		BLM-Dept of Interior	Mountain Plover Monitoring	7/30/2005	12/31/2010	1	\$10,000	N
Whiting, Michael		NSF	Biocomplexity: Hexapod Phylogenomics; REU Supplement	1/1/2002	12/31/2006	1	\$2,400	C
Whiting, Michael	w/Cameron, Stephen	NSF	Testing Utility of Mitochondrial Genome Rearrangements	3/1/2005	2/29/2008	1	\$150,000	N
Whiting, Michael	w/Johnson, Leigh	NSF	MRI: Acquisition of DNA-manipulation robotics....	8/1/2005	7/31/2008	1	\$67,500	N
Whiting, Michael	w/Miller, Kelly	NSF	Collaborative Research: Phylogeny, Behavior and Silk Evolution of Webspinners.	9/1/2005	8/31/2006	1	\$15,259	N
Whiting, Michael		NSF	ATOL: Collaborative Proposal: Assembling the Beetle Tree	10/1/2005	9/30/2007	1	\$399,991	N
Whiting, Michael	w/Wood Stephen	USDA Forest Service	Bark and Ambrosia Beetles of South America	8/31/2005	9/30/2007	1	\$9,000	N
Whiting, Michael		Univ of Georgia (NSF)	Building Taxanomic Expertise...	9/19/2005	12/31/2006	1	\$83,145	C

Wood, Stephen		USDA Forest Service	Bark and Ambrosia Beetles of South America	8/31/2005	9/30/2007	1	\$9,000	N
Woolstenhulme, Loreen Allphin		Mt Rose Development Co.	Ecological and genetic variation within and among populations of Drabab asterophora.	7/1/2005	12/31/2005	4	\$6,410	N
<b>Microbiology and Molecular Biology</b>								
Adams, Byron		USDA	Phylogeography, molecular evolution and the historical response of Antarctic Dry	8/1/2005	7/31/2007	1	\$321,000	N
Bridgewater, Laura		NIH	Chondrocyte-specific Transcriptional Regulation	8/1/2005	7/31/2006	1	\$163,338	C
Buhay, Jennifer	w/ Crandall, Keith	NSF	Evolutionary History and Current Gene Flow of Subterranean Crayfish	6/16/2005	5/31/2007	1	\$5,110	N
Crandall, Keith		NIH	Phylogenetics and Recombination	7/1/2005	6/30/2006	1	\$113,002	C
Crandall, Keith		NSF	Evolutionary History and Current Gene Flow of Subterranean Crayfish	6/16/2005	5/31/2007	1	\$5,110	N
Evans, Paul	w/ Shiozawa, Dennis	Utah DWR	Genetic Analysis of Cutthroat Trout	11/1/2003	6/30/2005	3	\$2,000	C
Jensen, James		U of U (NIH)	Antimalarial Properties of Papuan Plants	9/25/2003	4/30/2005	2	\$37,000	C
Nielsen, Brent		NIH	Mitochondrial DNA Recombination Proteins in Arabidopsis	2/1/2003	8/31/2008	1	\$109,125	C
Robison, Richard		DOE	Select Agent Archive	1/1/2000	12/31/2003	1	\$125,000	C
Robison, Richard		USAMRAA	Select Agent Archive	9/30/2005	9/30/2006	1	\$160,000	N
Robison, Richard		Solutions BioMed Inc.	Antimicrobial Materials and Select Agents	6/17/2005	12/31/2006	4	\$5,250	N
Baumann, Richard		Dept of Army (Dugway)	Tiger Beetles	5/1/2005	10/31/2005	2	\$5,000	C
Clark, Shawn	w/ Bauman, Richard	Dept of Army (Dugway)	Tiger Beetles	5/1/2005	10/31/2005	2	\$5,000	C
Adams, Byron		USDA	Trait deterioration in entomopathogenic nematodes:	6/1/2005	9/30/2006	1	\$23,356	N
Bridgewater, Laura	w/Johnson, Leigh	NSF	MRI: Acquisition of DNA-manipulation robotics....	8/1/2005	7/31/2008	1	\$67,500	N
Crandall, Keith	w/Johnson, Leigh	NSF	MRI: Acquisition of DNA-manipulation robotics....	8/1/2005	7/31/2008	1	\$67,500	N
Jensen, James		Univ of Utah (NIH)	Antimalarial Properties of Papuan Plants	5/1/2005	8/30/2005	2	\$9,375	C
Robison, Richard		USAMRIID	30 day preliminary account	8/15/2005	9/15/2005	1	\$16,000	N
<b>Nutrition, Dietetics and Food Science</b>								
Dunn, Michael		SUSTAIN	Fortification of Nixtamal Tortillas	5/15/2004	12/31/2005	4	\$24,000	N
Ogden, Lynn		BAF	Amendment #18 between BAF and BYU	11/1/2002	12/31/2005	4	\$2,000	C
Ogden, Lynn		BAF	Consumer Acceptance	4/18/2005	12-331-10	4	\$5,200	N
Ogden, Lynn		BAF	Consumer Acceptance	5/18/2005	12/31/2005	4	\$9,000	N
Ogden, Lynn		BAF	Consumer Taste Preferences	6/24/2005	12/31/2010	4	\$2,000	C
Ogden, Lynn		LDS Welfare Svcs.	Sensory Tests	6/3/2005	12/31/2010	4	\$8,000	C
Ogden, Lynn		BAF	Consumer Taste Preferences	11/1/2002	12/31/2005	4	\$2,000	C
Ogden, Lynn		BAF	Consumer Taste Preferences	1/1/2000	10/30/2006	4	\$3,300	C
Verl								
Steele, Frost		Deseret Meats	Pathogen Analysis for Meat Products	4/1/1989	Open	4	\$26,500	C
Dunn, Michael		SUSTAIN	Fortification of Nixtamal Tortillas	5/15/2004	12/30/2005	4	\$17,000	C
Ogden, Lynn		BAF	Consumer Taste Preferences	11/20/2002	12/31/2010	4	\$14,800	C
Ogden, Lynn		BAF	Consumer Taste Preferences	11/20/2002	12/31/2010	4	\$6,400	C
<b>Plant and Animal Sciences</b>								
Allen, Phil		USDA Forest Service	Developing Container Propagation Protocols	7/7/2004	9/30/2007	1	\$25,000	C
Coleman, Craig		Umcompaghre (USGS)	Genotyping of Cheatgrass	5/1/2005	12/31/2010	2	\$2,870	N
Coleman, Craig	w/Nielsen, Brent	NIH	Mitochondrial DNA Recombination Proteins in Arabidopsis	2/1/2003	8/31/2008	1	\$109,125	C
Coleman, Craig	w/ Maughn, Peter	Ministry of Ag. Bolivia	Genetic Improvement of Quinoa	2/1/2005	10/31/2007	4	\$3,402	C



Fairbanks, Dan	w/ Maughn, Peter	Ministry of Ag. Bolivia	Genetic Improvement of Quinoa	2/1/2005	10/31/2007	4	\$3,402	C
Geary, Bradley	w/ Maughn, Peter	Ministry of Ag. Bolivia	Genetic Improvement of Quinoa	2/1/2005	10/31/2007	4	\$3,402	C
Jellen, Eric	w/ Maughn, Peter	Ministry of Ag. Bolivia	Genetic Improvement of Quinoa	2/1/2005	10/31/2007	4	\$3,402	C
Jolly, Von	w/ Maughn, Peter	Ministry of Ag. Bolivia	Genetic Improvement of Quinoa	2/1/2005	10/31/2007	4	\$3,402	C
Maughn, Jeff		Bolivian Ministry of Agriculture	Genetic Improvement of Quinoa	2/1/2005	1/31/2007	4	\$10,000	N
Maughn, Peter		Bolivian Ministry of Agriculture	Genetic Improvement of Quinoa	2/1/2005	10/31/2007	4	\$3,406	C
Stevens, Mikel	w/ Maughn, Peter	Bolivian Ministry of Agriculture	Genetic Improvement of Quinoa	2/1/2005	10/31/2007	4	\$3,402	C
Terry, Richard		Penn State (NSF)	Re-evaluation of Earthworks at Tikal, Guatemala	2/15/2005	1/31/2007	2	\$12,000	C
Terry, Richard		Penn State (NSF)	Re-evaluation of Earthworks at Tikal, Guatemala	2/15/2005	1/31/2007	2	\$12,932	C
Webb, Bruce		USGS	Soil Analysis	4/15/2003	9/30/2005	1	\$54,493	C
<b><i>Physiology and Developmental Biology</i></b>								
Bell, John		NIH	Action of Phospholipase A2 on Apoptotic Cells	4/1/2005	3/31/2008	1	\$112,500	N
Busath, David		Florida State (NIH)	Function and Structure of Gramicidin	3/1/2005	2/28/2006	2	\$66,644	C
Judd, Alan	w/Bell, John	NIH	Action of Phospholipase A2 on Apoptotic Cells	4/1/2005	3/31/2008	1	\$112,500	N
Porter, James		American Heart Assn.	Mechanisms of Fetal Programming of Hypertension by Maternal High-Salt Diet.	7/1/2005	6/30/2006	4	\$70,000	N
Stark, Michael		NIH (Preliminary)	Genes Regulating Neurogenesis in the Trigeminal Placode	6/21/2005	9/20/2005	1	\$20,000	N
Stark, Michael		NIH	genes Regulating Neurogenesis	7/26/2005	4/30/2006	1	\$209,500	C
Winder, Will		NIH	Physiology of Malonyl-CoA in Muscle During Exercise	9/1/2005	8/31/2006	1	\$187,793	C

Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private N/C: N=New; C=Continuing

**Department Totals**

Integrative Biology	\$4,341,101
Microbiology & Molecular Biology	\$1,239,666
Nutrition, Dietetics & Food Science	\$120,200
Physiology & Developmental Biology	\$778,937
Plant & Animal Science	\$250,238
Bean Museum	\$0
<b>College Total:</b>	<b>\$6,730,142</b>

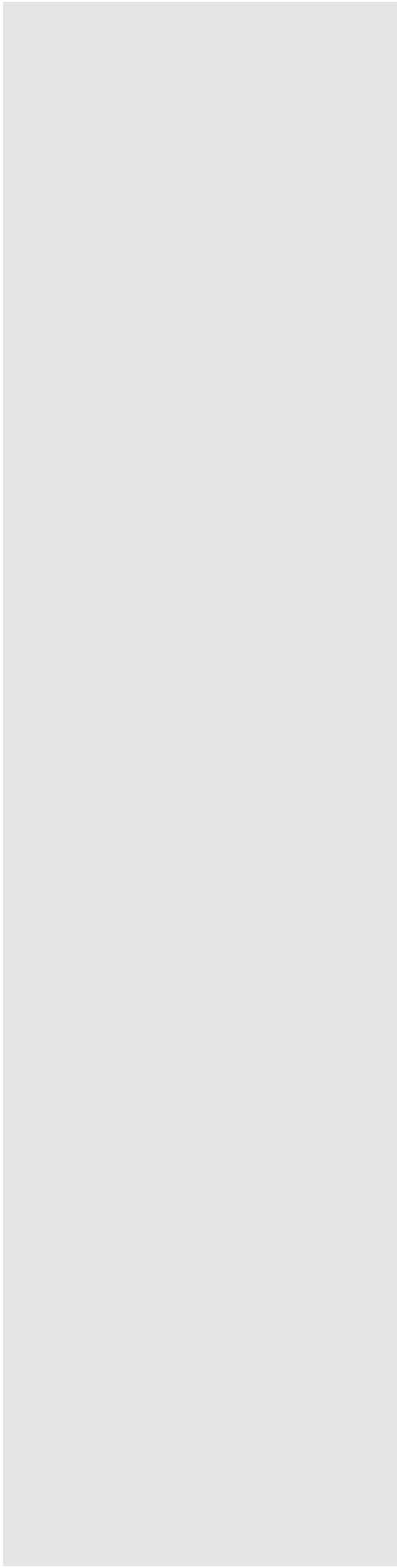
# Biology & Agriculture

## Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>Number Awarded</b>	<b>Total Amount</b>
<b>Federal</b>		
BLM	3	\$43,000
DOE	1	\$125,000
Dugway Proving Grounds, Army	2	\$63,800
Forest Service	2	20,463
NIH	7	\$1,136,883
NSF	17	\$2,933,993
USAMRAA	1	\$160,000
USAMRIID	1	\$16,000
USDA Forest Service	4	\$111,000
USDA	4	\$389,356
USGS	2	\$540,977
<b>Total</b>	44	\$5,540,472
<b>Subcontracts</b>		
Dept. of Army (Dugway)	1	\$10,000
Florida State U (NIH)	1	\$66,644
GSLR&DC (USDA)	1	\$70,876
Johns Hopkins (NIH)	1	\$116,112
Penn State (NSF)	2	\$24,932
U of U (NIH)	2	\$46,375
Umcompaghre (USGS)	1	\$2,870
UT State Office of Education (ED)	1	\$95,878
<b>Total</b>	10	\$433,687
<b>State</b>		
Arkansas Game and Fish Comission	1	\$8,000
DWR	2	\$70,050
Montana Fish and Wildlife Parks	1	10,000
State of Utah DWR	1	\$13,436
UT Dept. Natural Resources	3	\$111,204
UTRMCC	1	\$81,200
Utah DWR	7	\$357,700
UT State Division of Wildlife Services	1	\$11,520
<b>Total</b>	12	\$383,180
<b>Private</b>		
American Heart Association	1	\$70,000
BAF	8	\$57,200
Bolivian Ministry of Agriculture	2	\$33,818
Deseret Meats	1	\$26,500
LDS Welfare Services	1	\$8,000

## Biology & Agriculture Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>Number Awarded</b>	<b>Total Amount</b>
Nevada Chuckar Foundation	1	\$10,000
Pershing County Chuckars	1	\$2,500
PhRMA Foundation	1	\$40,000
Solutions BioMed Inc.	1	\$5,250
SUSTAIN	2	\$41,000
Tetracore Inc.	1	\$5,460
Uncompahgre/com, Inc.	1	\$41,625
US-Israel Binational Science Foundation	1	\$11,500
Utah Chuckar Foundation	1	\$2,000
Various Private Sources	1	\$2,500
WWF	1	\$5,000
Yellowstone Park Foundation	1	\$13,000
<b>Total</b>	<b>27</b>	<b>\$372,803</b>

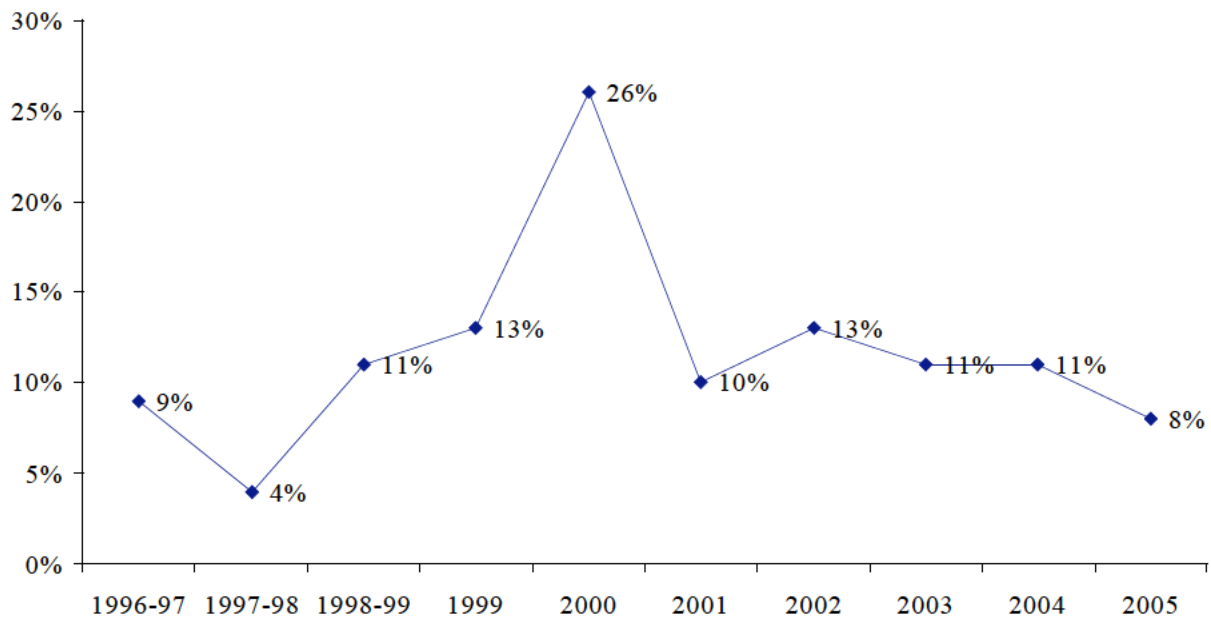


David O.  
McKay  
School  
of Education

# Summary of Sponsored Research (Grants & Contracts)

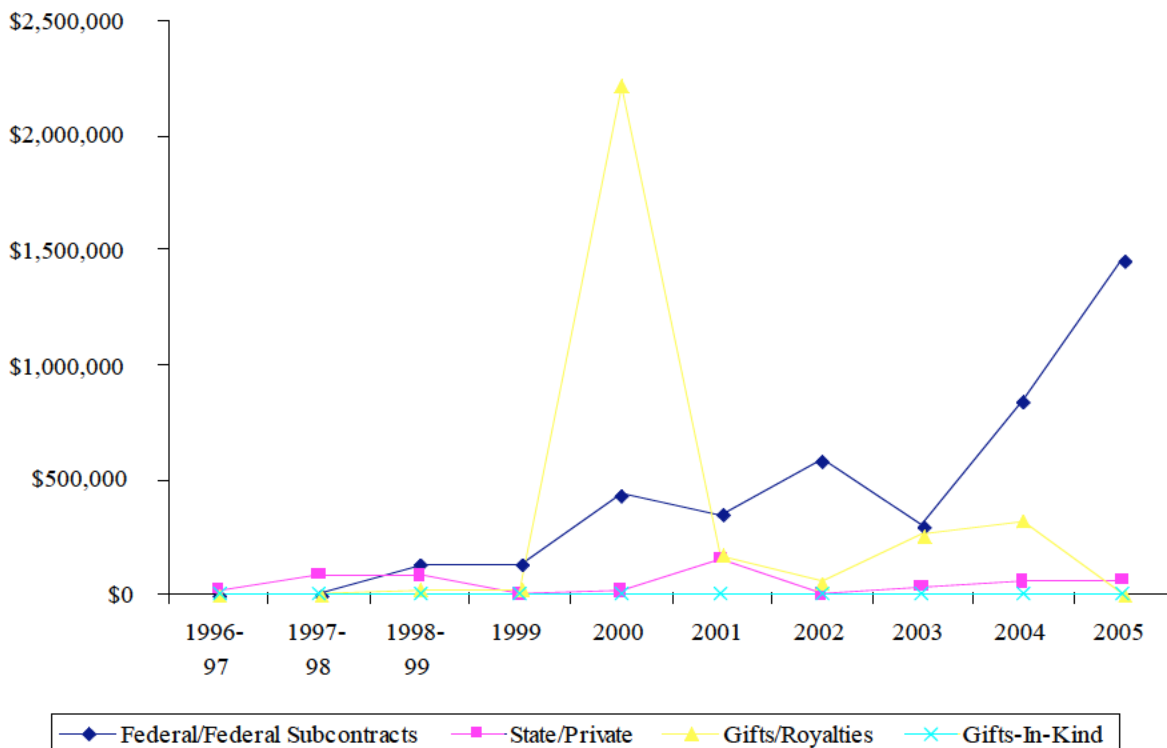
Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Audiology & Speech Language Path	12	1	1	3	\$495,725
Cites	7	0	0	0	\$0
Counseling Psych & Special Educ	21	1	1	3	\$642,222
Educ Leadership & Foundations	15	3	1	0	\$0
Instructional Psych & Tech	9	0	0	1	\$72,534
Teacher Education	41	4	4	2	\$310,396
<b>TOTALS</b>	<b>105</b>	<b>9</b>	<b>7</b>	<b>6</b>	<b>\$1,520,877</b>

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Gifts/Royalties	Gifts-In-Kind	Total
	Federal/Federal Subcontracts	State/Private			
1996-97	\$0	\$20,000	\$0	\$0	\$20,000
1997-98	\$0	\$85,810	\$0	\$0	\$85,810
1998-99	\$126,400	\$81,400	\$20,000	\$0	\$227,800
1999	\$126,400	\$0	\$20,000	\$0	\$146,400
2000	\$439,960	\$14,400	\$2,217,302	\$0	\$2,671,662
2001	\$349,123	\$157,560	\$173,750	\$0	\$680,433
2002	\$590,209	\$0	\$53,618	\$0	\$643,827
2003	\$300,000	\$37,330	\$260,025	\$0	\$597,355
2004	\$848,955	\$57,614	\$322,320	\$0	\$1,228,889
2005	\$1,461,367	\$59,510	\$0	\$0	\$1,520,877



# David O. McKay School of Education 2005 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Start Date</u>	<u>End Date</u>	<u>Type</u>	<u>Amount</u>	<u>N/C</u>
<b><i>Audiology and Speech Language Pathology</i></b>								
Blair, Nancy		Utah State Office of Education	Part-time SLP Supervisors	7/1/2005	6/30/2006	3	\$49,010	N
Culatta, Barbara	w/Young, Richard	Dept of Education	Systematic Instruction Project for Improving Literacy in Grades	8/13/2004	8/12/2006	1	\$149,115	C
Culatta, Barbara	w/Young, Richard	ED, US Dept. of	Achievement in Reading and Content Learning	10/3/2005	10/2/2006	1	\$297,600	N
<b><i>Counseling Psychology and Special Education</i></b>								
Prater, Mary Anne		Dept of Education	Preparing New Educators to Teach Students....	10/1/2005	9/30/2006	1	\$195,507	C
Young, Richard		Dept of Education	Systematic Instruction Project for Improving Literacy in Grades	8/13/2004	8/12/2006	1	\$149,115	C
Young, Richard		ED, US Dept. of	Achievement in Reading and Content Learning	10/3/2005	10/2/2006	1	\$297,600	N
<b><i>Instructional Psychology and Technology</i></b>								
Graham, Charles	w/ Bickmore, Barry	NSF	The Earth Science Story Book	2/1/2005	1/31/2008	1	\$72,534	N
<b><i>Teacher Education</i></b>								
Egan, Winn	w/Teemant, Annela	ED, US Dept. of	Bilingual ESL Endorsement	9/1/2005	8/31/2006	1	\$149,948	C
Teemant, Annela		ED, US Dept. of	Bilingual ESL Endorsement	9/1/2005	8/31/2006	1	\$149,948	C
Wentworth, Nancy		HP Philanthropy and Education	Technology for Teaching	6/29/2005	12/31/2010	4	\$10,500	N

Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private      N/C: N=New; C=Continuing

Department Totals	
Audiology & Speech Language Pathology	\$495,725
Center for Improvement of Teacher Education and Schooling	\$0
Continuing Education	\$0
Counseling Psychology & Special Education	\$642,222
Educational Leadership & Foundations	\$0
Instructional Psychology & Technology	\$72,534
Teacher Education	\$310,396
<b>College Total:</b>	<b>\$1,520,877</b>

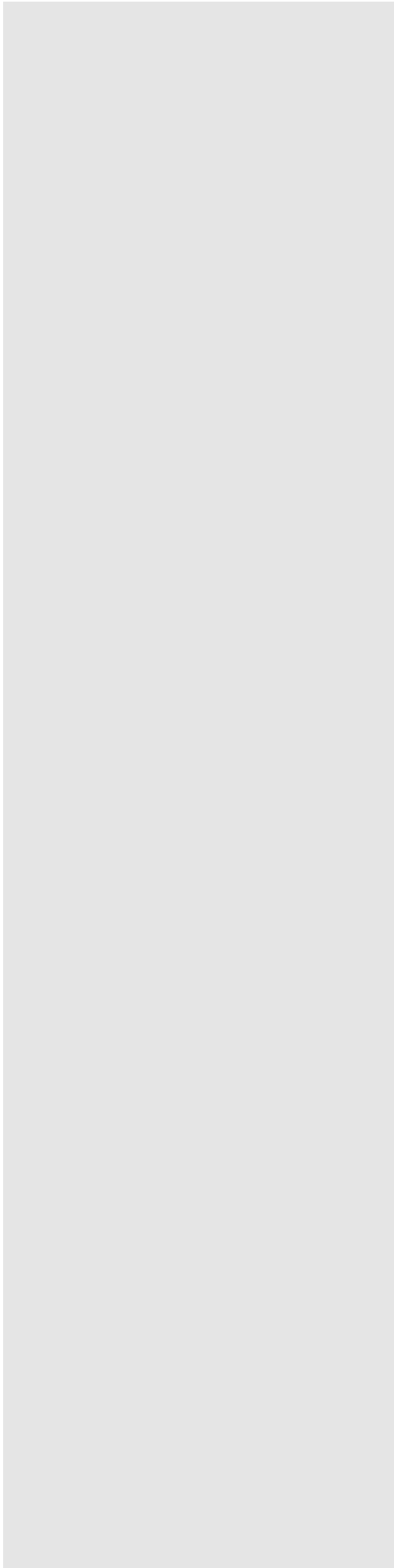
# Education

## Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>Number Awarded</b>	<b>Total Amount</b>
<b>Federal</b>		
Dept of Education	4	\$1,388,833
NSF	1	\$72,534
<b>Total</b>	5	\$1,461,367
<b>Subcontracts</b>		
None		
<b>Total</b>		
<b>State</b>		
Utah State Office of Education	1	\$49,010
<b>Total</b>	1	\$49,010
<b>Private</b>		
HP Philanthropy and Education	1	\$10,500
<b>Total</b>	1	\$10,500





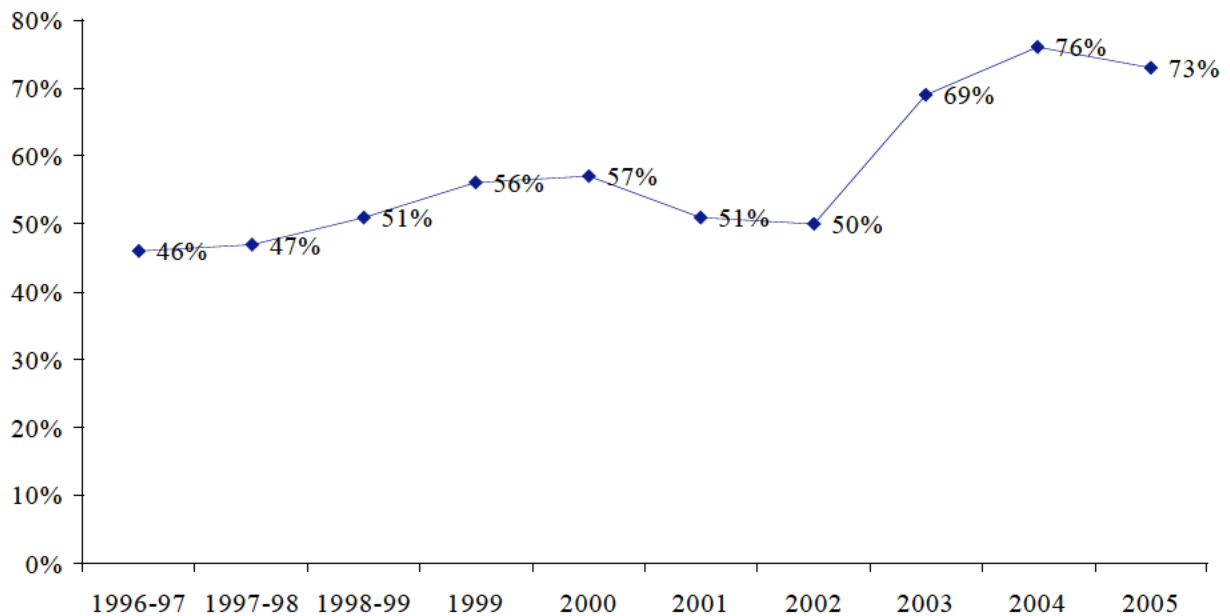


College of  
Engineering  
&  
Technology

# Summary of Sponsored Research (Grants & Contracts)

Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Chemical Engineering	13	14	24	26	\$1,941,682
Civil & Environmental Engineering	17	18	37	26	\$1,676,116
Electrical & Computer Engineering	23	20	47	35	\$3,619,536
Mechanical Engineering	23	18	42	43	\$3,303,070
School of Technology	29	7	4	3	\$110,971
<b>TOTALS</b>	105	77	152	120	\$10,651,375

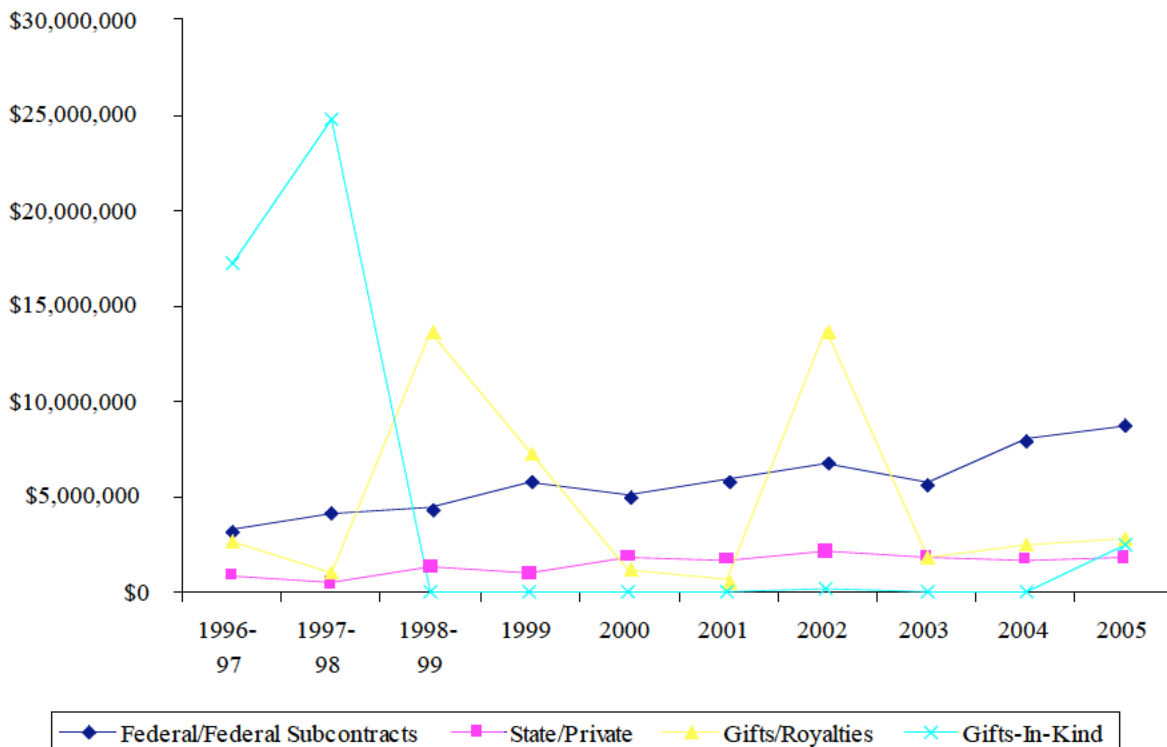
## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Gifts/Royalties	Gifts-In-Kind	Total
	Federal/Federal Subcontracts	State/Private			
1996-97	\$3,298,777	\$882,296	\$2,669,786	\$17,197,733	\$24,048,592
1997-98	\$4,212,196	\$509,340	\$1,087,926	\$24,867,922	\$30,677,384
1998-99	\$4,400,195	\$1,334,014	\$13,687,951	\$0	\$19,422,160
1999	\$5,837,930	\$1,018,434	\$7,362,951	\$0	\$14,218,628
2000	\$5,058,375	\$1,910,470	\$1,218,057	\$0	\$8,186,902
2001	\$5,885,021	\$1,755,752	\$649,494	\$0	\$8,290,267
2002	\$6,826,798	\$2,149,658	\$13,808,841*	\$244,295	\$23,029,592
2003	\$5,731,605	\$1,909,861	\$1,876,600	\$0	\$9,518,066
2004	\$8,037,592	\$1,745,891	\$2,564,760	\$0	\$12,348,243
2005	\$8,809,076	\$1,842,299	\$2,900,069	\$2,518,346	\$16,069,790

\*Gift total does not include \$313 million PACE donation to College of Engineering and Technology



# College of Engineering & Technology 2005 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Start Date</u>	<u>End Date</u>	<u>Type</u>	<u>Amount</u>	<u>N/C</u>
<i>Civil and Environmental Engineering</i>								
Benzley, Steven		Sandia Natl. Labs	Mesh Refinement Tasks	10/9/2003	9/30/2006	1	\$24,000	C
Guthrie, Spencer		UDOT	Preventative deck joint & Surface treatment.	5/6/2005	10/31/2005	3	\$53,000	C
Guthrie, Spencer		UDOT	Preventative Deck Joint & Surface Treatment Strategies	10/1/2003	6/30/2006	3	\$11,100	C
Guthrie, Spencer		UDOT	Full-Depth recycling and Stabilization of Pavement Base Layers	6/1/2005	12/31/2007	3	\$100,000	N
Guthrie, Spencer		Asphalt Zipper	Evaluation of Full-Depth Recycling of Pavement Base Layers	7/15/2005	1/15/2007	4	\$16,500	N
Guthrie, Spencer		Texas Trans. Inst	Tube Suction Testing	4/27/2005	8/31/2005	4	\$5,000	C
Hotchkiss, Rollin		EMS-I (FHWA)	Numerical Modeling of Culvert Hydraulics	8/1/2005	11/30/2006	2	\$56,881	N
Jones, Norm		Army Corp of Engineers	Hydrosystems Modeling, Mod 13	9/1/2002	10/31/2007	1	\$34,484	C
Jones, Norm		Army Corp of Engineers	Hydrosystems Modeling, Mod 18	9/1/2002	10/31/2007	1	\$106,000	C
Jones, Norm		Army Corp of Engineers	Hydrosystems Modeling, Mod 19	9/1/2002	10/31/2007	1	\$33,000	C
Jones, Norman		Army WES	Hydrosystems Modeling	9/1/2002	10/31/2007	1	\$25,000	C
Jones, Norman		Army WES	Hydrosystems Modeling	9/1/2002	10/31/2007	1	\$210,134	C
Jones, Norman		NAVY	Flux Calculations and 3D Visualizations for SCAPS	8/4/2005	12/31/2005	1	\$35,000	N
Miller, Wood		BOR	Pathemetry Pre-processing Work for CE-Qual W2	7/1/2005	9/26/2006	1	\$12,000	N
Miller, Wood		BOR	Bathemetry Pre-processing Work for CE-QUAL W2	7/1/2005	9/26/2006	1	\$6,000	C
Miller, Wood	w/Zundel, Alan	UDOT	Bridge Scour Countermeasure Phase II	5/1/2005	12/31/2007	3	\$22,497	N
Miller, Wood	w/Nelson., James	UDOT	Utah Run-Off Curve Numbers	2/1/2005	12/31/2005	3	\$7,500	N
Miller, Wood		Bureau of Reclamation	Bathemetry Pre-processing Works for CE-QUAL W2	7/1/2005	9/26/2006	1	-\$12,000	N
Nelson, James	w/ Jones, Norman	Army WES	Hydrosystems Modeling	9/1/2002	10/31/2007	1	\$25,000	C
Nelson, James	w/ Jones, Norm	Army Corp of Engineers	Hydrosystems Modeling, Mod 13	9/1/2002	10/31/2007	1	\$34,484	C
Nelson, James	w/ Jones, Norman	Army WES	Hydrosystems Modeling	9/1/2002	10/31/2007	1	\$210,133	C
Nelson, James	w/ Jones, Norm	Army Corp of Engineers	Hydrosystems Modeling, Mod 18	9/1/2002	10/31/2007	1	\$33,000	C
Nelson, James	w/ Jones, Norm	Army Corp of Engineers	Hydrosystems Modeling, Mod 19	9/1/2002	10/31/2007	1	\$33,000	C
Nelson, James	w/Miller, Wood	BOR	Pathemetry Pre-processing Work for CE-Qual W2	7/1/2005	9/26/2006	1	\$6,000	N
Nelson, James	w/Miller, Wood	BOR	Bathemetry Pre-processing Work for CE-QUAL W2	7/1/2005	9/26/2006	1	\$6,000	C
Nelson, James	w/Miller	Bureau of Reclamation	Bathemetry Pre-processing Works for CE-QUAL W2	7/1/2005	9/26/2006	1	\$6,000	N
Nelson, James		UDOT	Utah Run-Off Curve Numbers	2/1/2005	12/31/2005	3	\$7,500	N
Nelson, Jim	w/ Hotchkiss, Rollin	EMS-I (FHWA)	Numerical Modeling of Culvert Hydraulics	8/1/2005	11/30/2006	2	\$56,881	N
Nelson, Jim		UDOT	UDOT WMS Data Organization	1/1/2005	10/31/2006	3	\$15,000	N
Rollins, Kyle		National Academies	Liquification Mitigation Using Vertical Composite Drains	7/1/2004	12/31/2005	1	\$36,015	C
Rollins, Kyle		UDOT	Lateral Pile Cap and Backfill load Testing	8/29/2000	12/31/2004	3	\$7,200	C
Rollins, Kyle		UDOT	Loading Rate Effects on Axial Pile Capacity	10/1/2002	3/31/2006	4	\$5,586	C
Saito, Mitsuru		UDOT	Spatial & Temporal Analysis of Work Zone Crashes	5/1/2005	4/30/2006	3	\$12,947	N
Saito, Mitsuru		UDOT	Spatial & Temporal Analysis of Work Zone	5/1/2005	4/30/2006	3	\$22,659	C

Saito, Mitsuru		UDOT	Spatial & Temporal Analysis of Work Zone Crashes	5/1/2005	4/30/2006	3	\$22,659	C
Schultz, Grant		UDOT	Assessing the Safety Impacts of Access Management Techniques	1/1/2005	12/31/2006	3	\$20,000	N
Schultz, Grant		UDOT	Assessing the Economic Impacts of Transportation Improvement Projects	1/1/2005	21/31/06	3	\$34,500	N
Zundel, Alan	w/ Jones, Norman	Army WES	Hydrosystems Modeling	9/1/2002	10/31/2007	1	\$25,000	C
Zundel, Alan	w/ Jones, Norm	Army Corp of Engineers	Hydrosystems Modeling, Mod 13	9/1/2002	10/31/2007	1	\$34,484	C
Zundel, Alan	w/ Jones, Norman	Army WES	Hydrosystems Modeling	9/1/2002	10/31/2007	1	\$210,133	C
Zundel, Alan	w/ Jones, Norm	Army Corp of Engineers	Hydrosystems Modeling, Mod 18	9/1/2002	10/31/2007	1	\$33,000	C
Zundel, Alan	w/ Jones, Norm	Army Corp of Engineers	Hydrosystems Modeling, Mod 19	9/1/2002	10/31/2007	1	\$33,000	C
Zundel, Alan		UDOT	Bridge Scour Countermeasure Phase II	5/1/2005	12/31/2007	3	\$22,498	N
<b>Chemical Engineering</b>								
Bartholomew, Calvin		U of Wisconsin (DOE)	Advanced Design of Cobalt Fischer-Tropsch Catalysts	9/30/2003	8/31/2006	2	\$87,403	C
Baxter, Larry		DOE	Improved Recovery Boiler Performance	6/15/2002	6/14/2006	1	\$306,119	C
Baxter, Larry	w/ Fletcher, Thomas	Forest Service	Fundamental Combustion Characteristics of Live Fuels	8/1/2001	9/1/2006	1	\$25,001	C
Baxter, Larry		U of U (DOE)	Low Temperature Black Liquor Gasification	9/30/2002	4/30/2006	2	\$28,000	C
Baxter, Larry		U of U (DOE)	Low Temperature Black Liquor Gasification....	9/30/2002	4/30/2006	2	-\$28,000	C
Baxter, Larry		U of U (DOE)	Black Liquor Gasification	9/30/2004	9/29/2006	2	\$8,520	C
Baxter, Larry		Alliant Energy	Alternative Fuels Testing	10/1/2004	10/1/2005	4	\$89,199	N
Beckstead, Merrill		Naval Air Warfare Ctr.	Fast Cook-off Modeling of Energetic Materials	3/22/2005	3/22/2006	1	\$34,992	N
Beckstead, Merrill		Naval Air Warfare Ctr	Reaction Chemistry for Multiphase Flow/Target Coupling	6/24/2005	6/23/2006	1	\$59,948	N
Beckstead, Merrill		Software Eng. Assoc (ONR)	Fundamental Modeling of Propellant Ingredients	9/30/2001	3/31/2005	2	\$49,000	C
Beckstead, Merrill		SEA (ONR)	Fundamental Modeling of Propellant Ingredients	9/30/2001	11/30/2005	2	\$35,000	C
Beckstead, Merrill		Software Engineering Associates (ONR)	Fundamental Modeling of Propellant Ingredients.	9/30/2001	11/30/2005	2	\$30,000	C
Beckstead, Merrill		U of U (DOE)	C-SAFE	12/16/2002	9/30/2005	2	\$67,500	C
Beckstead, Merrill		ATK/Thiokol	Modeling Solid Propellant Combustion	6/8/2005	3/31/2005	4	\$10,000	N
Beckstead, Merrill		ATK/Thiokol	Modeling Solid Propellant Combustion	6/8/2005	3/31/2006	4	\$40,000	C
Fletcher, Thomas		Forest Service	Fundamental Combustion Characteristics of Live Fuels	8/1/2001	9/1/2006	1	\$25,002	C
Fletcher, Thomas	w/ Bons, Jeffrey	Clemson (DOE)	Deposition of Alternative Fuels on Turbine Blades	8/1/2005	7/31/2006	2	\$67,024	N
Fletcher, Tom		LANL	Improved Combustion Physics for the Wildland Fire Prediction Model	10/1/2003	9/30/2005	1	\$25,500	C
Harb, John		NSF	Exploratory Methods for Nanowire Fabrication on Insulating Substrates	3/15/2005	2/28/2006	1	\$33,334	N
Harb, John		ONR	Investigation of Mixed-Oxide Cathodes for rapid Charge Lithium Ion Batteries	8/12/2005	7/1/2006	1	\$37,483	N
Harb, John	w/ Wheeler, Dean		High Performance Electrodes for the Next Generation Li-Ion Batteries	8/23/2004	9/30/2006	2	\$73,449	C
Lewis, Randy		OSU (USDA)	Biomass Based Energy Research	9/1/2005	6/30/2006	2	\$36,000	N
Pitt, William		NIH	Controlled Drug Delivery to Colon Tumors via Ultrasound	5/1/2004	4/30/2006	1	\$236,250	C
Pitt, William		Becton Dickinson	Investigation of Bacterial Interactions with Needleless Devices	4/1/2005	7/30/2005	4	\$23,723	N
Pitt, William		Becton Dickinson	Investigations of Bacterial Interactions w/ Needleless Access	4/1/2005	9/30/2005	4	\$6,000	C
Rowley, Richard		DIPPR	Evaluated Process Design Database	8/1/1997	12/31/2005	4	\$285,000	C
Terry, Ronald	w/Erekson, Thomas	Utah State U. (NSF)	National Center for Engineering & Technology Education	9/15/2004	8/31/2006	2	\$70,970	C
Wheeler, Dean	w/ Harb, John	NSF	Exploratory Methods for Nanowire	3/15/2005	2/28/2006	1	\$33,333	N

Wheeler, Dean	w/ Harb, John	ONR	Investigation of Mixed-Oxide Cathodes for rapid Charge Lithium Ion Batteries	8/12/2005	7/1/2006	1	\$37,483	N
Wheeler, Dean		USC (DOE)	High Performance Electrodes for the Next Generation Li-Ion Batteries	8/23/2004	9/30/2006	2	\$73,449	C
Wheeler, Dean		ACS/PRF	Novel Molecular Simulations	1/1/2005	8/31/2007	4	\$35,000	N
<b>Electrical and Computer Engineering</b>								
Beard, Randy	w/ Swindlehurst, Lee	NSF	Distributed Communications & Control for Air Vehicles	9/1/2004	8/31/2005	1	\$3,000	C
Beard, Randy	w/ Swindlehurst, L	NSF	Communications & Control for Unmanned Air Vehicles	9/1/2004	8/31/2006	1	\$50,711	C
Beard, Randy	w/ McLain, Tim	NASA	Automated Landing of Unmanned Air Vehicles	4/1/2003	3/31/2006	1	\$12,341	C
Beard, Randy	w/ Snyder, Deryl	Eglin AFB	Automated Micro-air Vehicles	5/2/2005	11/30/2006	1	\$24,984	C
Beard, Randy		SSCI (NASA)	Autonomous Surveillance Using Teams of UAV's	5/23/2005	5/22/2007	2	\$13,500	N
Beard, Randy		Intl. Fndtn. For Telemetering	Robot Soccer Program	6/5/2002	12/31/2010	4	\$3,000	C
Hawkins, Aaron		NSF	Integrated Optics Using Quantum State Control in Alkali Atoms	4/15/2005	3/31/2008	1	\$116,837	N
Hawkins, Aaron		NSF	Integrated Optical and Electrical Single Molecule Sensors	9/1/2005	8/31/2008	1	\$133,332	N
Hawkins, Aaron		U of CA, Santa Cruz (NIH)	Integrated Optical Waveguide Sensors	4/1/2004	3/31/2006	2	\$50,000	C
Hawkins, Aaron		UC Santa Cruz (AFRL)	Single-Photon Nonlinear Optics in Integrated Hollow-core	6/15/2005	6/14/2006	2	\$74,000	N
Hawkins, Aaron		Raytheon	Low Noise, High Gain Ionization Amplifiers	4/8/2005	8/19/2005	4	\$25,000	N
Hutchings, Brad	w/Nelson	Xilinx Corp	PMP Design	6/30/2003	5/15/2005	4	\$13,333	C
Jeffs, Brian	w/ Swindlehurst, Michael	NSF	Antenna Networks: High Capacity in Interference Environments	7/15/2003	6/30/2006	1	\$39,569	C
Jeffs, Brian		NSF	RFI Mitigation for Radio Astronomy on Array Feeds	9/15/2004	8/31/2006	1	\$65,263	C
Jeffs, Brian	w/ Warnick, Karl	NRAO (NSF)	Development of Real-time Interference Mitigation Instrumentation	3/1/2005	3/31/2006	2	\$58,950	N
Jensen, Michael	w/ Swindlehurst, Michael	NSF	Antenna Networks: High Capacity in Interference Environments	7/15/2003	6/30/2006	1	\$39,569	C
Jensen, Michael	w/ Jeffs, Brian	NSF	RFI Mitigation for Radio Astronomy on Array Feeds	9/15/2004	8/31/2006	1	\$65,263	C
Jensen, Michael	w/ Rice, Michael	Edwards AFB	Prototype Design of Aeronautical Telemetry Space Time Decoder System'	3/2/2005	11/31/05	1	\$109,239	N
Jensen, Michael	w/ Swindlehurst, Lee	UCSD (ARO)	Directional Routing & Scheduling for Secure Mobile Networks	6/1/2004	9/30/2007	2	\$64,149	C
Jensen, Michael		Utah COE	Advanced Communications	7/1/2004	6/30/2006	3	\$40,069	C
Jensen, Mike	w/ Swindlehurst, Lee	NSF	Distributed Communications & Control for Air Vehicles	9/1/2004	8/31/2005	1	\$3,000	C
Jensen, Mike	w/ Swindlehurst, Lee	NSF	Communications & Control for Unmanned Air Vehicles	9/1/2004	8/31/2006	1	\$50,711	C
Lee, DJ		NIH	Relevance Feedback Methods for Retrieval of Images	9/1/2005	8/31/2006	1	\$72,000	N
Long, David		NASA Goddard	Scatterometer Climate Record Pathfinder REASoN CAN	4/1/2004	3/31/2009	1	\$212,500	C
Long, David		NASA	HYDROS Science team: Brightness Product Definition	5/1/2005	4/30/2006	1	\$65,461	N
Long, David		NOAA	Operational Utilization of High Resolution Ocena Surface Wind Vectors	7/1/2003	6/30/2006	1	\$70,826	C
Long, David		Oregon (NASA)	Near Surface wind Modeling and Retrieval for Sea Winds	2/28/2005	12/31/2005	2	\$180,000	c
Long, David		JPL (NASA)	HYDROS Science Team: Radar Calibration	4/29/2005	10/30/2005	2	\$15,000	N
Nelson, Brent	w/ Rice, Michael	Edwards AFB	Prototype Design of Aeronautical Telemetry Space Time Decoder System'	3/2/2005	11/31/05	1	\$109,239	N
Nelson, Brent		Sandia National Lab	High-Speed Networking on Configurable Platforms	4/1/2005	9/30/2005	1	\$44,537	N
Nelson, Brent		Xilinx Corp	PMP Design	6/30/2003	5/15/2005	4	\$13,334	C
Nordine, Greg		Tetramer (Navy)	High Speed Electronically Tunable Fiber Optic Filter	11/26/2005	11/25/2006	2	\$21,000	N
Nordine, Greg		Clemson	Advanced Photonic Composites	10/10/2005	10/9/2006	2	\$673,560	N

		(DARPA)						
Rice, Michael		USAF	SHF Channel Modeling Over Sea-Based Test Ranges	5/1/2002	5/1/2006	1	\$51,000	C
Rice, Michael		Edwards AFB	Prototype Design of Aeronautical Telemetry Space Time Decoder System'	3/2/2005	11/31/05	1	\$109,240	N
Rice, Michael	w/ Jensen, M.	Utah COE	Advanced Communications	7/1/2004	6/30/2006	3	\$40,067	C
Schultz, Stephen		Navy Department	Compact Integrated Monitoring System for Fiber Sensors	4/14/2005	4/13/2006	1	\$82,135	N
Schultz, Stephen		IPITEK (DOD)	An Optical Fibre High-Speed Transducer for Hi Power Microwaves	7/19/2005	7/18/2006	2	\$40,915	N
Selfridge, Richard	w/ Schultz, Stephen	Navy Department	Compact Integrated Monitoring System for Fiber Sensors	4/14/2005	4/13/2006	1	\$82,134	N
Selfridge, Richard	w/Schultz, Stephen	IPITEK (DOD)	An Optical Fibre High-Speed Transducer for Hi Power Microwaves	7/19/2005	7/18/2006	2	\$40,915	N
Selfridge, Richard		ASNT	D-Fibre for Multidimensional Sensor Applications	7/22/2005	7/21/2007	4	\$15,000	N
Swindlehurst, Lee		NSF	Antenna Networks: High Capacity in Interference Environments	7/15/2003	6/30/2006	1	\$39,570	C
Swindlehurst, Lee		NSF	Distributed Communications & Control for Air Vehicles	9/1/2004	8/31/2005	1	\$3,000	C
Swindlehurst, Lee		NSF	Communications & Control for Unmanned Air Vehicles	9/1/2004	8/31/2006	1	\$50,711	C
Swindlehurst, Lee		UCSD (ARO)	Directional Routing & Scheduling for Secure Mobile Networks	6/1/2004	9/30/2007	2	\$64,150	C
Swindlehurst, Lee	w/ Jensen, Michael	Utah COE	Advanced Communications	7/1/2004	6/30/2006	3	\$40,067	C
Warnick, Karl	w/ Lee, Milton	NIH	Electromobility Focusing for Separation of Proteins	2/1/2003	11/31/06	1	\$113,084	C
Warnick, Karl	w/ Jeffs, Brian	NSF	RFI Mitigation for Radio Astronomy on Array Feeds	9/15/2004	8/31/2006	1	\$65,263	C
Warnick, Karl		NRAO (NSF)	Development of Real-time Interference Mitigation Instrumentation	3/1/2005	3/31/2006	2	\$58,950	N
Wirthlin, Michael		LANL	Improving the Reliability of FPGA Designs	2/10/2004	12/31/2005	1	\$100,859	C
Wirthlin, Michael		Los Alamos	Improving Reliability of FPGA Designs	2/1/2004	12/31/2005	1	-\$2	C
Wirthlin, Michael		USC (NASA)	RhINO Project: Computer Aided Design	6/1/2003	5/14/2006	2	\$24,566	C
Wirthlin, Michael		USC (NASA)	Computer Aided Design Infrastructure for FPGA Design Hardening	6/1/2003	5/14/2006	2	\$51,302	C
Wirthlin, Michael	w/Nelson	Xilinx Corp	PMP Design	6/30/2003	5/15/2005	4	\$13,333	C
<b>Mechanical Engineering</b>								
Adams, Brent		Army Research Office	Microstructure Sensitive Design	7/26/2004	11/25/2005	1	\$150,000	C
Adams, Brent		ARO	Microstructure Sensitive Design	7/26/2004	11/25/2006	1	\$31,250	C
Adams, Brent		AFOSR	Fundamental Role of Grain Boundaries	1/15/2005	12/31/2005	1	\$63,000	N
Baxter, Larry	w/ Tree, Dale	DOE/NETL	Investigation of Nitrogen Evolution & Corrosion with OxyCombustion	9/1/2005	8/31/2008	1	\$44,666	N
Beard, Randy	w/ McLain, Timothy	AFOSR	Cooperation and Consensus Seeking for Unmanned Air Vehicles	4/1/2004	3/31/2006	1	\$58,960	C
Beard, Randy		Utah COE	Unmanned Air Vehicles	7/1/2004	6/30/2006	3	\$65,000	C
Blotter, Jonathan		Dynamic Structures	Design of PZT Vibratory Mode Shaping Motor	1/1/2005	10/31/2005	4	\$20,256	N
Blotter, Jonathan	w/ Sommerfeldt, S	NSF	Development of Acoustic Energy Concepts	6/24/2005	6/23/2006	1	\$29,168	C
Blotter, Jonathan		Sandia	Analysis of Acoustic Array Configurations	1/21/2005	1/31/2006	1	\$58,703	N
Blotter, Jonathan	w/ Sommerfeldt, S	Utah COE	Acoustics Research Center	7/1/2005	6/30/2006	3	\$38,333	N
Bons, Jeffrey		Clemson (DOE)	Deposition of Alternative Fuels on Turbine Blades	8/1/2005	7/31/2006	2	\$67,025	N
Bowman, Jerry		EKU (Dept of Justice)	Using Small Unmanned Air Vehicles to Help Law Enforcement	6/1/2005	5/31/2006	2	\$10,752	N
Chase, Kenneth		Caterpillar Inc.	Variation Analysis of Involute Splines	12/31/2004	12/31/2005	4	\$51,713	N
Fletcher, Thomas	w/ Tree, Dale	DOE/NETL	Investigation of Nitrogen Evolution & Corrosion with OxyCombustion	9/1/2005	8/31/2008	1	\$44,666	N
Howell, Larry	w/Magleby, Spencer	TaylorMade Golf Co.	Research & Development Phase III	1/1/2005	4/30/2006	4	\$40,875	C
Howell, Larry		Nokia	Development of compliant Mechanism	5/31/2005	12/31/2005	4	\$60,000	N



Howell, Larry		Nokia	Development of compliant Mechanism Technologies	5/31/2005	12/31/2005	4	\$60,000	N
Jensen, Greg		Pratt & Whitney	CANMC Concept Tool Design, Task 20	1/11/2005	Open	4	\$24,000	N
Jensen, Greg		Pratt & Whitney	CANMC Concept Tool Design, Task 21	1/11/2005	Open	4	\$18,000	N
Jensen, Greg		Pratt & Whitney	Improved Automated Mesh for Auto Modeler	1/14/2005	12/31/2006	4	\$7,000	N
Jensen, Greg		Pratt & Whitney	PWAM Engine Loads & Dynamics Modeling	1/14/2005	12/31/2006	4	\$4,500	N
Jensen, Greg		Pratt & Whitney	Flowpath Design Tool Task #24	2/2/2005	12/31/2006	4	\$52,000	N
Jensen, Greg		Pratt & Whitney	Task 24 Flowpath Design Tool	2/2/2005	12/31/2006	4	\$382	C
Jensen, Greg		Pratt & Whitney	Hollow Fan Blade Tool Development Task #25	2/25/2005	12/31/2006	4	\$100,000	N
Jensen, Greg		Pratt & Whitney	Task #26: Electronic Enterprise Engineering	1/1/2005	12/31/2005	4	\$40,000	N
Jensen, Greg		Pratt & Whitney	Restructuring the AutoModeler; Task #27	9/14/2005	12/31/2010	4	\$9,000	N
Magleby, Spencer	w/ Todd, Robert	ONR	Anchor System for Small Submersibles	3/14/2005	3/13/2006	1	\$9,250	N
Magleby, Spencer	w/Todd, Robert	KAPL (ONR)	Electromagnetic Pumping of Metal Liquids	9/28/2004	4/30/2005	2	\$9,250	N
Magleby, Spencer	w/ Todd, Robert	KAPL (DOE)	Electromagnetic Pumping of Liquid Metals	9/28/2004	9/27/2005	2	\$9,250	n
Magleby, Spencer	w/ Todd, Robert	KAPL (DOE)	Electromagnetic Pumping of Metal Liquids	9/1/2004	6/30/2005	2	\$7,100	C
Magleby, Spencer		TaylorMade Golf Co.	Research & Development Phase III	1/1/2005	4/30/2006	4	\$40,875	C
Magleby, Spencer	w/ Howell, Larry	Nokia	Development of compliant Mechanism Technologies	5/31/2005	12/31/2005	4	\$60,000	N
Maynes, Daniel		Concepts ETI, Inc	Centrifugal Flow Impellers	1/1/2005	12/31/2005	4	\$39,753	N
McLain, Tim	w/ Swindlehurst, Lee	NSF	Distributed Communications & Control for Air Vehicles	9/1/2004	8/31/2005	1	\$3,000	C
McLain, Tim	w/ Swindlehurst, Lee	NSF	Communications & Control for Unmanned Air Vehicles	9/1/2004	8/31/2006	1	\$50,711	C
McLain, Tim	w/Goodrich, M.	NSF	UAV-Enabled Wilderness Search and Rescue	11/1/2005	10/31/2008	1	\$167,142	N
McLain, Tim		NASA	Automated Landing of Unmanned Air Vehicles	4/1/2003	3/31/2006	1	\$12,342	C
McLain, Tim	w/ Snyder, Deryl	Eglin AFB	Automated Micro-air Vehicles	5/2/2005	11/30/2006	1	\$24,984	C
McLain, Tim	w/ Beard, Randy	SSCI (NASA)	Autonomous Surveillance Using Teams of UAV's	5/23/2005	5/22/2007	2	\$13,500	N
McLain, Tim		Utah COE	Unmanned Air Vehicles	7/1/2004	6/30/2006	3	\$65,000	C
McLain, Tim		AFOSR	Cooperation and Consensus Seeking for Unmanned Air Vehicles	4/1/2004	3/31/2006	1	\$58,960	C
Nelson, Tracy		NSF	Friction Stir Process Cooperative Agreement	9/1/2004	8/31/2006	1	\$25,000	C
Nelson, Tracy		ONR	High Integrity Weldments Via the Friction Stir Process	4/15/2005	4/14/2006	1	\$650,000	N
Nelson, Tracy		Oak Ridge Natl. Lab	Friction Stir Processing Industry Co-op Research	9/3/2004	8/31/2009	4	\$35,000	N
Snyder, Deryl		Air Force Research Lab	Aerodynamics and Control of Autonomous Micro Air Vehicles	5/2/2005	11/30/2005	1	\$24,986	N
Snyder, Deryl		Eglin AFB	Automated Micro-air Vehicles	5/2/2005	11/30/2006	1	\$74,970	C
Sorensen, Carl		NSF	Friction Stir Process Cooperative Agreement	9/1/2004	8/31/2006	1	\$25,000	C
Sorenson, Carl	w/ Nelson, Tracy	ONR	High Integrity Weldments Via the Friction Stir Process	4/15/2005	4/14/2006	1	\$650,000	N
Thomson, Scott		Purdue (NIH)	Development of Self-oscillating Vocal Fold Models	11/1/2005	6/30/2006	2	\$33,750	N
Todd, Robert		KAPL (ONR)	Electromagnetic Pumping of Metal Liquids	9/28/2004	4/30/2005	2	\$9,250	N
Todd, Robert		KAPL (DOE)	Electromagnetic Pumping of Metal Liquids	9/1/2004	6/30/2005	2	\$7,100	C
Todd, Robert H		ONR	Anchor System for Small Submersibles	3/14/2005	3/13/2006	1	\$9,250	N
Todd, Robert H		KAPL (DOE)	Electromagnetic Pumping of Liquid Metals	9/28/2004	9/27/2005	2	\$9,250	n
Tree, Dale		DOE/NETL	Investigation of Nitrogen Evolution & Corrosion with OxyCombustion	9/1/2005	8/31/2008	1	\$44,668	N
Tree, Dale	w/ Baxter, Larry	U of U (DOE)	Low Temperature Black Liquor Gasification	9/30/2002	4/30/2006	2	\$28,000	C
Tree, Dale		U of U (DOE)	Black Liquor Gasification	9/30/2004	9/29/2006	2	\$16,480	C

School of Technology

Chabries, Doug	U of U (NASA)	Rocky Mtn. Utah Space Grant & Fellowship Program	1/1/2005	12/31/2005	2	\$25,000	N
Erekson, Thomas	Utah State U. (NSF)	National Center for Engineering & Technology Education	9/15/2004	8/31/2006	2	\$70,971	C
Miles, Mike	SME	Formability of Friction Stir Welded High Strength Sheet Steel	6/1/2005	5/31/2005	4	\$15,000	N

Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private      N/C: N=New; C=Continuing

Department Totals		
Chemical Engineering		\$1,941,682
Civil & Environmental Engineering		\$1,676,116
Electrical & Computer Engineering		\$3,619,536
Mechanical Engineering		\$3,303,070
School of Technology		\$110,971
<b>College Total:</b>		<u>\$10,651,375</u>

# Engineering & Technology

## Source Breakdown of Grants and Contracts

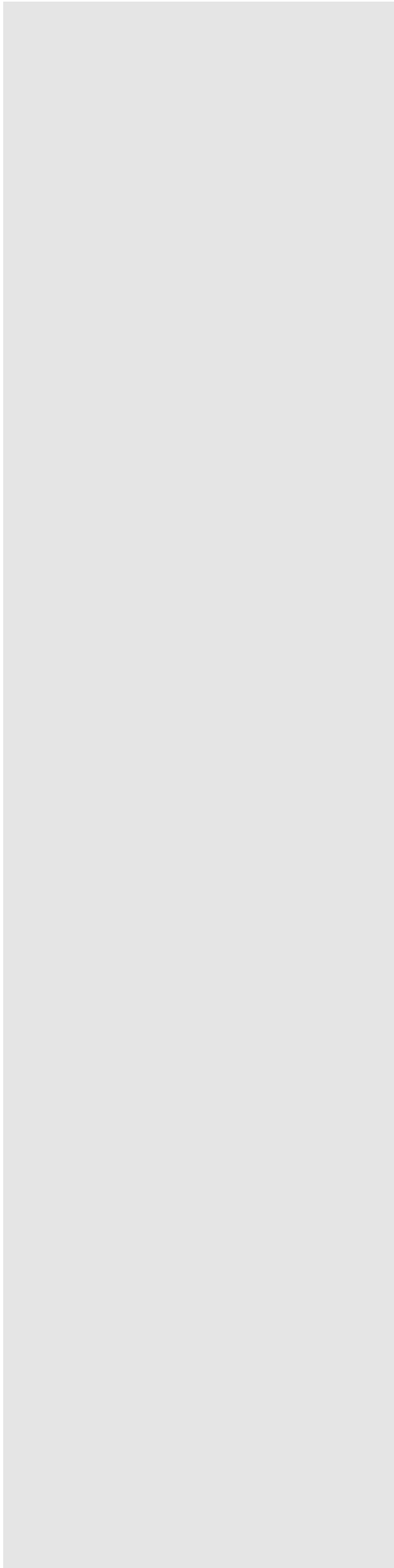
<b>Sponsor</b>	<b>Number Awarded</b>	<b>Total Amount</b>
<b>Federal</b>		
AFOSR	2	\$180,920
AFRL	1	\$24,986
Army Corp. of Engineers	3	\$374,452
Army Research Office	1	\$150,000
Army WES	2	\$705,400
ARO	1	\$31,250
BOR	1	\$24,000
DOE	2	\$440,119
Edwards AFB	1	\$327,718
Eglin AFB	1	\$124,938
Forest Service	1	\$50,003
Los Alamos Natl. Lab	2	\$126,357
NASA	3	\$302,644
National Academy of Science	1	\$36,015
Naval Air Warfare Center	2	\$94,940
Navy	2	\$199,269
NIH	2	\$421,334
NOAA	1	\$70,826
NSF	9	\$1,092,487
ONR	3	\$1,393,466
Sandia	3	\$127,240
US Air Force	1	\$51,000
<b>Total</b>	46	\$6,349,364
<b>Subcontracts</b>		
Clemson (DARPA)	1	\$673,560
Clemson (DOE)	1	\$134,049
EKU (Dept. of Justice)	1	\$10,752
EMS-I (FHWA)	1	\$113,762
IPITEK	1	\$81,830
JPL (NASA)	1	\$15,000
KAPL (DOE)	2	\$32,700
KAPL (ONR)	1	\$18,500
NRAO	1	\$117,900

Oregon State (NASA)	1	\$180,000
OSU (USDA)	1	\$36,000
Purdue (NIH)	1	\$33,750
Scientific Systems (NASA)	1	\$27,000
Software Engineering Association	3	\$114,000
Tetramer (Navy)	1	\$21,000

## Engineering & Technology Source Breakdown of Grants and Contracts

<u>Sponsor</u>	<u>Number Awarded</u>	<u>Total Amount</u>
<b>Subcontracts, cont.</b>		
U of CA, Santa Cruz (AFRL)	1	\$74,000
U of CA, Santa Cruz (NIH)	1	\$50,000
U of Utah (DOE)	3	\$120,500
U of Utah (NASA)	1	\$25,000
USC (DOE)	1	\$146,898
U of Wisconsin (DOE)	1	\$87,403
UCSD (ARO)	1	\$128,299
USC (NASA)	2	\$75,868
USU (NSF)	1	\$141,941
<b>Total</b>	30	\$2,459,712
<b>State</b>		
UDOT	11	\$336,401
Utah Centers of Excellence	3	\$288,536
<b>Total</b>	14	\$624,937
<b>Private</b>		
ACS/PRF	1	\$35,000
Alliant Energy	1	\$89,199
ASNT	1	\$15,000
Asphalt Zipper	1	\$16,500
ATK/Thiokol	2	\$50,000
Becton Dickenson	2	\$29,723
Caterpillar Inc.	1	\$51,713
Concepts ETI, Inc.	1	\$39,753
DIPPR	1	\$285,000
Dynamic Structures	1	\$20,256
Intl. Foundation for Telemetry	1	\$3,000
Nokia	1	\$120,000
Oak Ridge Natl. Lab	1	\$35,000
Pratt & Whitney	9	\$254,882
Raytheon	1	\$25,000
SME	1	\$15,000

Taylor Made Golf	1	\$81,750
Texas Transportation Inst.	1	\$5,000
UDOT	1	\$5,586
Xilinx	1	\$40,000
<b>Total</b>	<b>30</b>	<b>\$1,217,362</b>

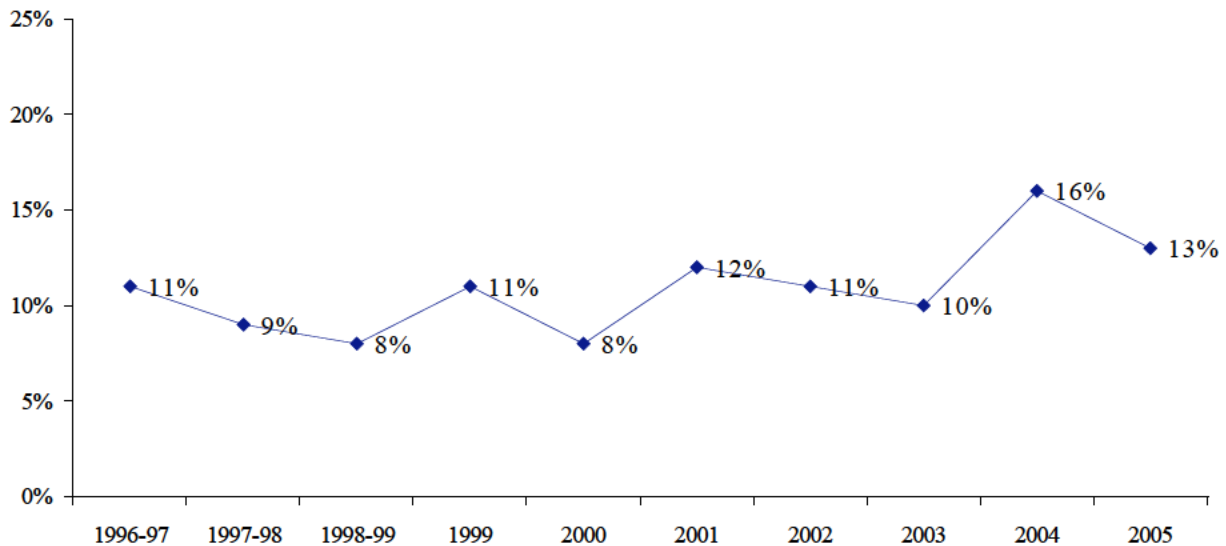


College of  
Family,  
Home &  
Social  
Sciences

# Summary of Sponsored Research (Grants & Contracts)

Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Anthropology	13	2	3	2	\$121,002
Child & Family Studies Laboratories	3	0	0	0	\$0
Economics	23	1	1	0	\$0
Geography	11	4	3	2	\$2,038
History	36	1	1	1	\$124,400
Joseph Fielding Smith Institute	6	0	0	0	\$119,558
Museum of Peoples & Cultures	4	3	4	2	\$46,426
Office of Public Archaeology	3	1	5	6	\$121,456
Political Science	30	7	4	6	\$629,683
Psychology	32	2	7	15	\$327,606
School of Family Life	39	3	3	1	\$32,816
Social Work	12	1	1	2	\$66,048
Sociology	21	4	3	2	\$48,193
Women's Research Institute	3	3	3	0	\$0
<b>TOTALS</b>	<b>236</b>	<b>32</b>	<b>38</b>	<b>37</b>	<b>\$1,519,668</b>

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Gifts/Royalties	Gifts-In-Kind	Total
	Federal/Federal Subcontracts	State/Private			
1996-97	\$694,627	\$367,881	\$105,455	\$0	\$1,167,963
1997-98	\$599,999	\$806,018	\$257,953	\$0	\$1,663,970
1998-99	\$982,698	\$935,497	\$331,166	\$0	\$2,249,361
1999	\$1,016,236	\$1,797,394	\$340,803	\$0	\$3,154,433
2000	\$733,017	\$582,613	\$2,400,367	\$0	\$3,715,997
2001	\$1,206,835	\$1,390,664	\$472,945	\$0	\$3,070,444
2002	\$932,566	\$2,627,620	\$1,224,696	\$0	\$4,784,882
2003	\$1,296,291	\$271,593	\$1,520,336	\$0	\$3,088,220
2004	\$1,164,878	\$1,769,103	\$497,025	\$0	\$3,431,006
2005	\$1,105,425	\$414,243	\$102,800	\$0	\$1,622,468





# Family, Home & Social Sciences 2005 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Start Date</u>	<u>End Date</u>	<u>Type</u>	<u>Amount</u>	<u>N/C</u>
<b><i>Anthropology</i></b>								
Hawkins, John		NSF	Cultural Change and Continuity	4/1/2004	3/31/2006	1	\$10,850	C
Hawkins, John		NSF	Culture Change and Continuity	2/1/2003	3/31/2006	1	\$110,152	C
<b><i>Geography</i></b>								
Bekker, Matt		LDS Church	Dendrochronology of SL Tabernacle	4/15/2005	12/31/2010	4	\$2,038	N
<b><i>History</i></b>								
Granstaff, Mark		US Army War College	Faculty Assignment as Visiting Professor	7/1/2005	6/30/2006	1	\$124,400	N
<b><i>Museum of Peoples and Cultures</i></b>								
Allen, Marti		Inst Museum Lib Svcs	IMLS Pottery Treatment II	8/1/2005	3/31/2007	1	\$41,426	N
Allen, Marti		BLM Utah	Supplies and Services	7/1/2005	6/30/2006	1	\$5,000	N
<b><i>Office of Public Archaeology</i></b>								
Talbot, Richard		NPS	NPS Oxbow Survey	8/1/2005	9/30/2005	1	\$2,443	N
Talbot, Richard		Capital Reef N.P.	NPS Oxbow Survey	8/1/2005	9/30/2005	1	-\$2,443	C
Talbot, Richard		Capitol Reef Natl. Park	NPS Oxbow Survey	10/1/2005	9/30/2006	1	\$2,443	N
Talbot, Richard		Nat. Res. Conserv. (USDA)	Goshen Pipeline	3/1/2005	2/28/2006	2	\$5,000	N
Talbot, Richard		Div. of Oil, Gas & Mining	DOG M - San Rafael	6/15/2005	3/31/2006	3	\$39,491	N
Talbot, Richard		UTA	TRAX - West Valley to Mid Jordan	3/25/2004	3/24/2005	3	\$24,522	C
Talbot, Richard		UTA	UTA Commuter Rail Project Archaeological Monitoring	7/28/2005	1/31/2006	3	\$50,000	n
<b><i>Political Science</i></b>								
Bowen, Donna Lee		Dept of State/CAORC	Academic Program in North Africa	8/24/2001	8/31/2005	2	\$50,000	C
Jacoby, Wade		Dept of Educ	Western Europe NRC and FLAS	8/15/2003	8/14/2006	1	\$230,000	C
Jacoby, Wade		DOE	Western Europe FLAS	8/15/2003	8/14/2006	1	\$175,500	C
Magleby, David		Carnegie Corp.	Financing the 2004 Election	12/1/2004	11/30/2005	4	\$50,000	N
Magleby, David		JEHT Foundation	Assessing Reform: Financing the 2004 Election	12/1/2004	11/30/2005	4	\$25,000	N
Nielson, Dan		NSF	Analyzing Development Furnace	2/1/2005	1/31/2008	1	\$99,183	N
<b><i>Psychology</i></b>								
Bigler, Erin		U of Utah (NIH)	Neuroimaging Autism	6/1/2004	5/31/2006	2	\$58,914	C
Bigler, Erin		Various Sources	Neuroimaging Account		open	4	\$21,000	C
Bigler, Erin		Various Sources	Neuroimaging	4/1/1991	12/31/2010	4	\$2,500	C
Bigler, Erin		Various Sources	Neuroimaging	4/30/1991	4/29/2010	4	\$1,000	C
Bigler, Erin		Various Sources	Neuroimaging	4/30/1991	4/29/2010	4	\$3,200	C
Bigler, Erin		Various Sources	Neuroimaging	4/30/1991	4/29/2010	4	\$1,375	C
Bigler, Erin		Various Sources	Neuroimaging	4/30/1991	12/30/2010	4	\$5,050	C
Bigler, Erin		Various Sources	Neuroimaging	4/30/1991	1/30/2010	4	\$6,150	C
Bigler, Erin		Various Sources	Neuroimaging	4/30/1991	12/31/2020	4	\$1,500	C
Bigler, Erin		Various Private Sponsors	Neuroimaging	4/30/1991	12/31/2010	4	\$16,037	C
Bigler, Erin		Ira Fulton	Traumatic Head Injury and Pediatric Hydrocephalus	1/1/2000	12/30/2010	4	\$50,190	C
Bigler, Erin		Ira Fulton	Traumatic Head Injury and Pediatric Hydrocephalus	1/1/2000	12/31/2020	4	\$50,190	C
Hopkins, Ramona		Univ of Pitts (NIH)	Prolonged Outcomes after Nitric Oxide	12/1/2003	11/30/2005	2	\$8,000	C
Steffen, Patrick		American Heart Assn	Cardiovascular Disease Risk Factors in Mexican Americans	7/1/2004	6/30/2005	4	\$65,000	N
Steffensen, Scott		Univ New Mexico (NIH)	Age Dependent Presynaptic Action of Prenenolone Sulfate	4/1/2005	1/31/2006	2	\$37,500	N
<b><i>School of Family Life</i></b>								
Hawkins, Alan		NCFR (DHHS)	Healthy Marriage Resource Center	8/1/2004	1/31/2006	2	\$16,409	C
Larson, Jeff	w/ Hawkins, Alan	NCFR (DHHS)	Healthy Marriage Resource Center	8/1/2004	1/31/2006	2	\$16,407	C

**Sociology**

Heaton, Tim	w/ Hawkins, Alan	NCFR (DHHS)	Healthy Marriage Resource Center	8/1/2004	1/31/2006	2	\$16,407	C
Ward, Carol		Provo School Dist (DOEd)	21st Century Program of Provo School Districts	6/20/2005	6/30/2005	1	\$31,786	N
Social Work Cox, Shirley		Univ Nev Reno (DHHS)	Nevada Rural Interdisciplinary Grant Program	7/1/2005	6/30/2006	2	\$52,328	N
Ward, Carol		Chief Dull Knife (NSF)	Chief Dull Knife College NSF TCUP Evaluation	11/21/2005	9/30/2006	2	\$13,720	C

Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private      N/C: N=New; C=Continuing

**Department Totals**

Anthropology	\$121,002
Economics	\$0
Geography	\$2,038
History	\$124,400
Joseph Fielding Smith Institute	\$0
Marriage & Family Therapy	\$0
Marriage, Family & Human Dev.	\$0
Museum of Peoples & Cultures	\$46,426
Office of Public Archaeology	\$121,456
Political Science	\$629,683
Psychology	\$327,606
School of Family Life	\$32,816
Social Work	\$66,048
Sociology	\$48,193
<b>College Total:</b>	<b>\$1,519,668</b>

# Family, Home & Social Sciences Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>Number Awarded</b>	<b>Total Amount</b>
<b>Federal</b>		
BLM Utah	1	\$5,000
Dept of Education	2	\$405,500
Inst. Museum Lib. Services	1	\$41,426
NPS	1	\$2,443
NSF	3	\$220,185
Provo School District (DOE)	1	\$31,786
US Army War College	1	\$124,400
<b>Total</b>	10	\$830,740
<b>Subcontracts</b>		
Chief Dull Knife College	1	\$13,720
Dept. of State/CAORC	1	\$50,000
Nationat Res. Conservation (USDA)	1	\$5,000
NCFR	1	\$49,223
Univ. of Mexico (NIH)	1	\$37,500
Univ. of Nevada-Reno (DHHS)	1	\$52,328
Univ. of Pittsburgh	1	\$8,000
Univ. of Utah (NIH)	1	\$58,914
<b>Total</b>	8	\$274,685
<b>State</b>		
Div. of Oil, Gas, & Mining	1	\$39,491
UTA	2	\$74,522
<b>Total</b>	3	\$114,013
<b>Private</b>		
American Heart Association	1	\$65,000
Carnegie Corp.	1	\$50,000
Ira Fulton	2	\$100,380
JEHT Foundation	1	\$25,000
LDS Church	1	\$2,038
Various Sources	9	\$57,812
<b>Total</b>	15	\$300,230

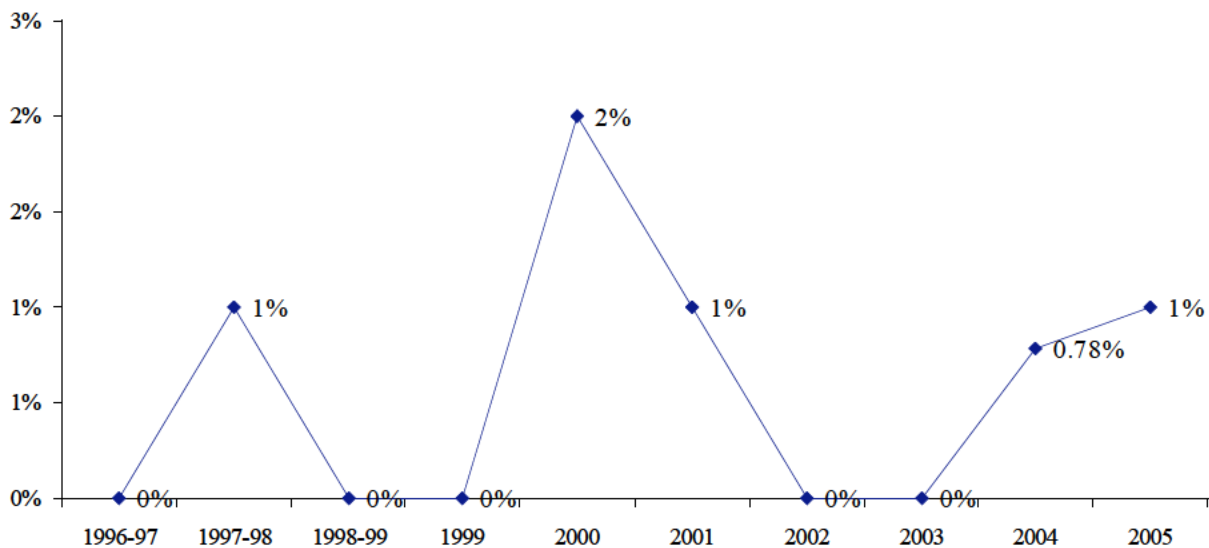


College of Fine  
Arts &  
Communications

# Summary of Sponsored Research (Grants & Contracts)

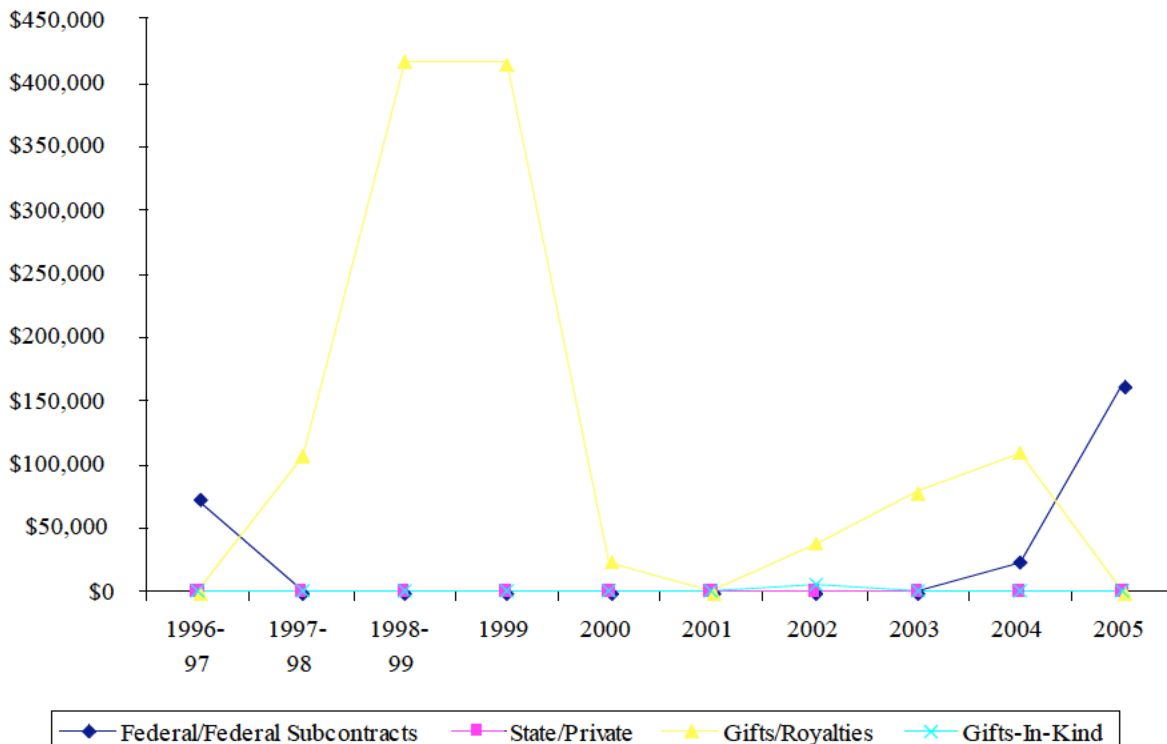
Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Communication	24	0	0	0	\$0
Museum of Art	0	0	0	0	\$0
Music	50	0	0	0	\$0
Theatre & Media Arts	22	0	0	0	\$0
Visual Arts	32	2	1	2	\$162,521
<b>TOTALS</b>	128	2	1	1	\$162,521

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Gifts/Royalties	Gifts-In-Kind	Total
	Federal/Federal Subcontracts	State/Private			
1996-97	\$73,000	\$0	\$0	\$0	\$73,000
1997-98	\$0	\$0	\$107,111	\$0	\$107,111
1998-99	\$0	\$0	\$417,146	\$0	\$417,146
1999	\$0	\$0	\$416,146	\$0	\$416,146
2000	\$0	\$0	\$22,900	\$0	\$22,900
2001	\$0	\$0	\$0	\$0	\$0
2002	\$0	\$0	\$37,716	\$4,700	\$42,416
2003	\$0	\$0	\$78,926	\$0	\$78,926
2004	\$23,680	\$0	\$110,023	\$0	\$133,703
2005	\$162,521	\$0	\$0	\$0	\$162,521



# Fine Arts and Communications 2005 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Start Date</u>	<u>End Date</u>	<u>Type</u>	<u>Amount</u>	<u>N/C</u>
<i>Visual Arts</i>								
Finlayson, Cynthia		State Department	Azem Palace Joint Project	9/21/2005	6/30/2009	1	\$89,987	N
Hull, Richard	w/ Bickmore, Barry	NSF	The Earth Science Story Book	2/1/2005	1/31/2008	1	\$72,534	N

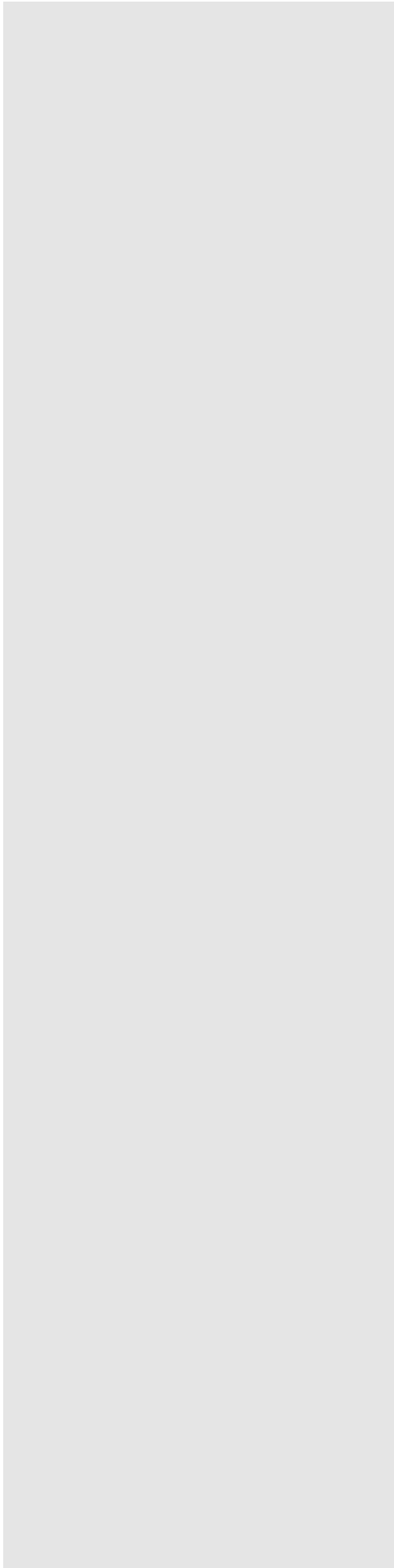
Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private      N/C: N=New; C=Continuing

Department Totals	
Communications	\$0
School of Music	\$0
Theatre and Media Arts	\$0
Visual Arts	\$162,521
<b>College Total:</b>	<b>\$162,521</b>

# Fine Arts and Communications Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>Number Awarded</b>	<b>Total Amount</b>
<b>Federal</b>		
NSF	1	\$72,534
State Department	1	\$89,897
<i>Total</i>	2	\$162,521
 <b>Subcontracts</b>		
None		
<i>Total</i>		
 <b>State</b>		
None		
<i>Total</i>		
 <b>Private</b>		
None		
<i>Total</i>		



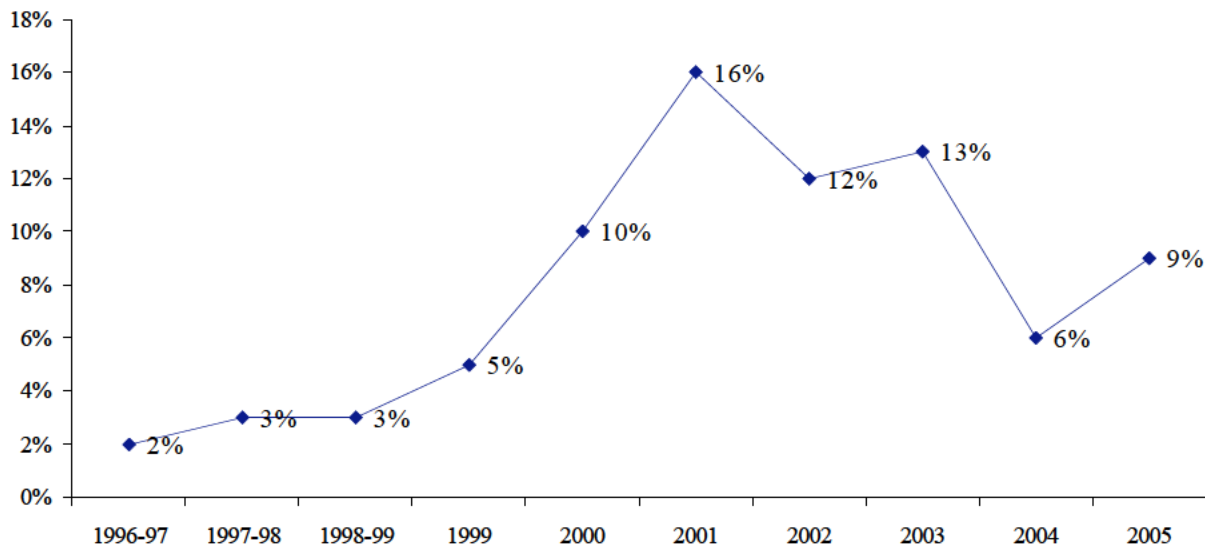


College  
of Health &  
Human  
Performance

# Summary of Sponsored Research (Grants & Contracts)

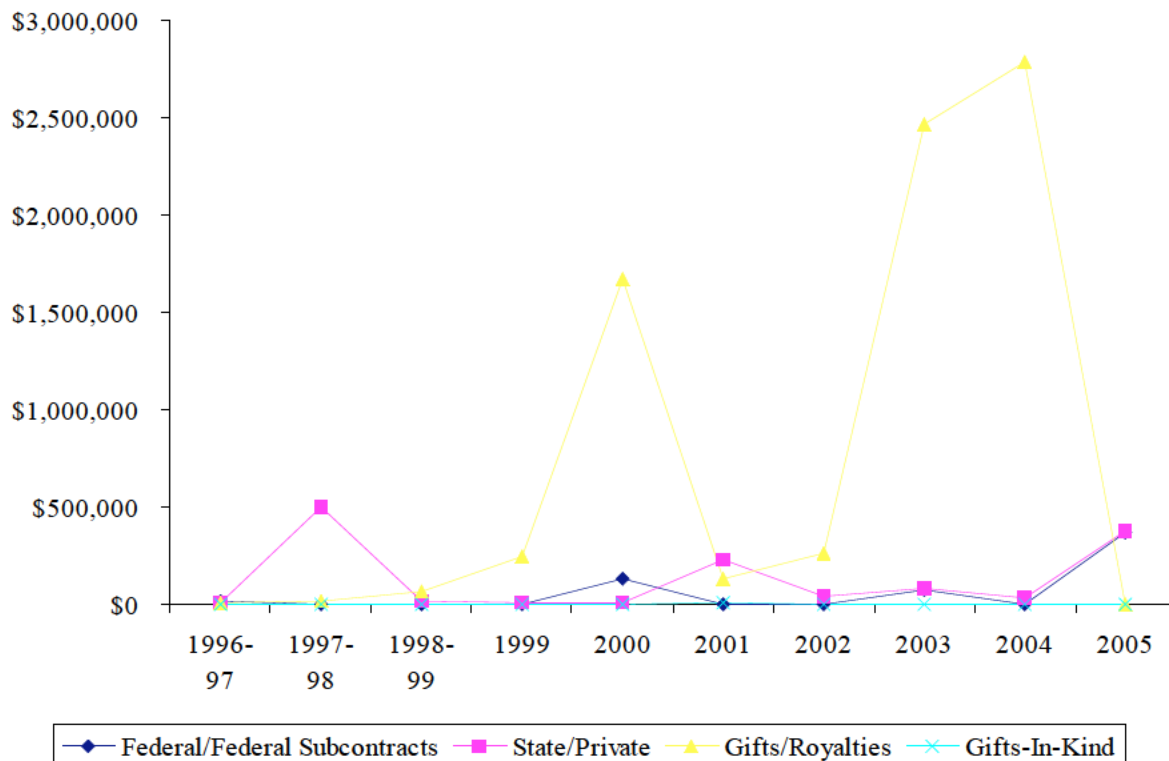
Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Dance	17	0	0	0	\$0
Health Sciences	15	4	2	2	\$280,001
Exercise Sciences	29	3	3	5	\$465,348
Rec Management & Youth Ldrship	12	0	0	0	\$0
<b>TOTALS</b>	<b>73</b>	<b>7</b>	<b>5</b>	<b>7</b>	<b>\$745,349</b>

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Gifts/Royalties	Gifts-In-Kind	Total
	Federal/Federal Subcontracts	State/Private			
1996-97	\$12,925	\$10,000	\$9,900	\$0	\$32,825
1997-98	\$0	\$500,800	\$15,375	\$0	\$516,175
1998-99	\$0	\$15,000	\$66,000	\$0	\$81,000
1999	\$0	\$5,000	\$244,000	\$0	\$249,000
2000	\$130,223	\$6,750	\$1,674,743	\$0	\$1,811,716
2001	\$0	\$226,014	\$127,800	\$6,000	\$359,814
2002	\$0	\$38,500	\$260,295	\$0	\$298,795
2003	\$74,113	\$82,245	\$2,469,825	\$0	\$2,626,183
2004	\$2,322	\$36,850	\$2,788,169	\$0	\$2,827,341
2005	\$365,822	\$379,527	\$0	\$0	\$745,349



# Health & Human Performance 2005 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Start Date</u>	<u>End Date</u>	<u>Type</u>	<u>Amount</u>	<u>N/C</u>
<i>Exercise Science</i>								
Hunter, Ian		USAT&F	Hammer Throw Analysis Increasing Opportunities for Pacific Islanders in Athletic Training Education	10/4/2003	12/31/2006	4	\$3,002	C
Kaiser, David		NATA Council	Blood Volume and Venous Return in Thermal Strain	11/14/2005	11/14/2006	4	\$940	N
Mack, Gary		NIH	Blood Volume and Venous return in thermal strain	11/1/2004	7/31/2006	1	\$3,719	C
Mack, Gary		NIH	Blood Volume and Venous Return in Thermal Strain	2/1/2005	5/31/2005	1	\$137,024	N
Mack, Gary		NIH	Return in Thermal Strain	11/1/2004	7/31/2005	1	\$225,079	N
Knight, Ken		NATA	Education Council Chair	3/1/2005	2/28/2006	4	\$95,584	C
<i>Health Sciences</i>								
Cole, Gene		Reckitt Benckiser	Home Hygiene Promotion in South Africa	2/18/2005	2/1/2008	4	\$39,125	N
Cole, Gene		Reckitt Benckiser	Home Hygiene Promotion in Urban South Africa	1/1/2005	7/1/2008	4	\$240,876	C

Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private      N/C: N=New; C=Continuing

Department Totals	
Dance	\$0
Health Sciences	\$280,001
Exercise Science	\$465,348
Rec Management & Youth Ldrship	\$0
<b>College Total:</b>	<b>\$745,349</b>

# Health & Human Performance Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>Number Awarded</b>	<b>Total Amount</b>
<b>Federal</b>		
NIH	3	\$365,822
<i>Total</i>	3	\$365,822
<b>Subcontracts</b>		
None		
<i>Total</i>		
<b>State</b>		
None		
<i>Total</i>		
<b>Private</b>		
NATA	2	\$96,524
USAT&F	1	\$3,002
Reckitt Benchkiser	2	\$280,001
<i>Total</i>	5	\$379,527



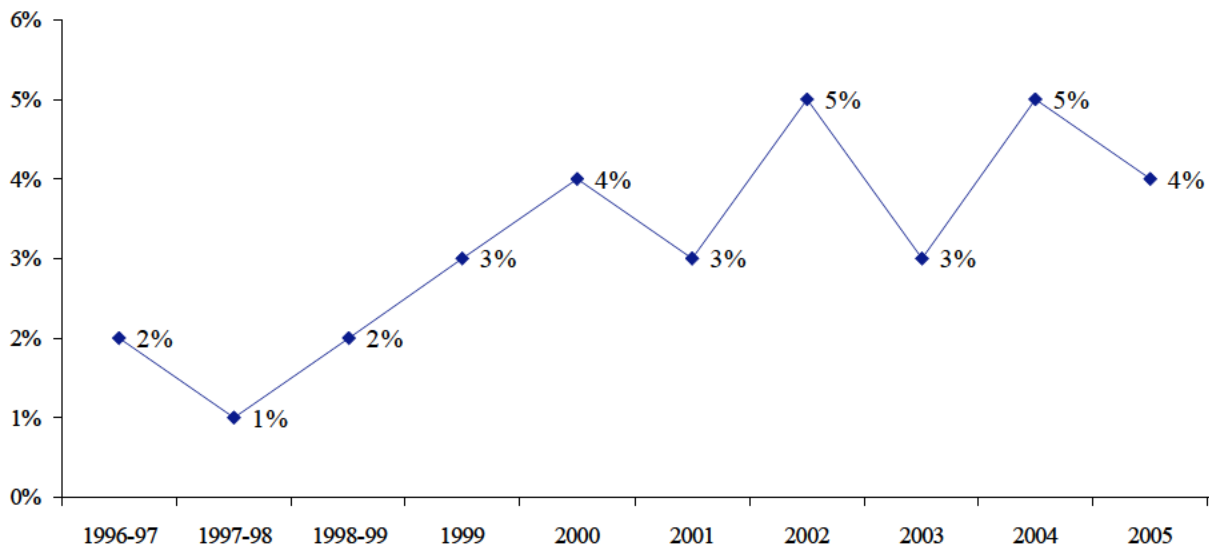
College  
of  
Humanities

# Summary of Sponsored Research (Grants & Contracts)

Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Asian & Near Eastern Languages	20	4	6	7	\$910,421
Center for Language Studies	1	0*	0	1	\$200,000
English	68	0	0	0	\$0
French & Italian	14	0	0	0	\$0
German & Slavic Languages	22	0	0	0	\$0
Hum, Classics & Comparative Lit	25	1	1	1	\$121,547
Humanities Research Center	3	0	0	0	\$0
Linguistics	21	3	1	1	\$2,500
Philosophy	13	0	0	0	\$0
Spanish & Portuguese	28	1	1	0	\$0
<b>TOTALS</b>	<b>215</b>	<b>9</b>	<b>9</b>	<b>10</b>	<b>\$1,234,468</b>

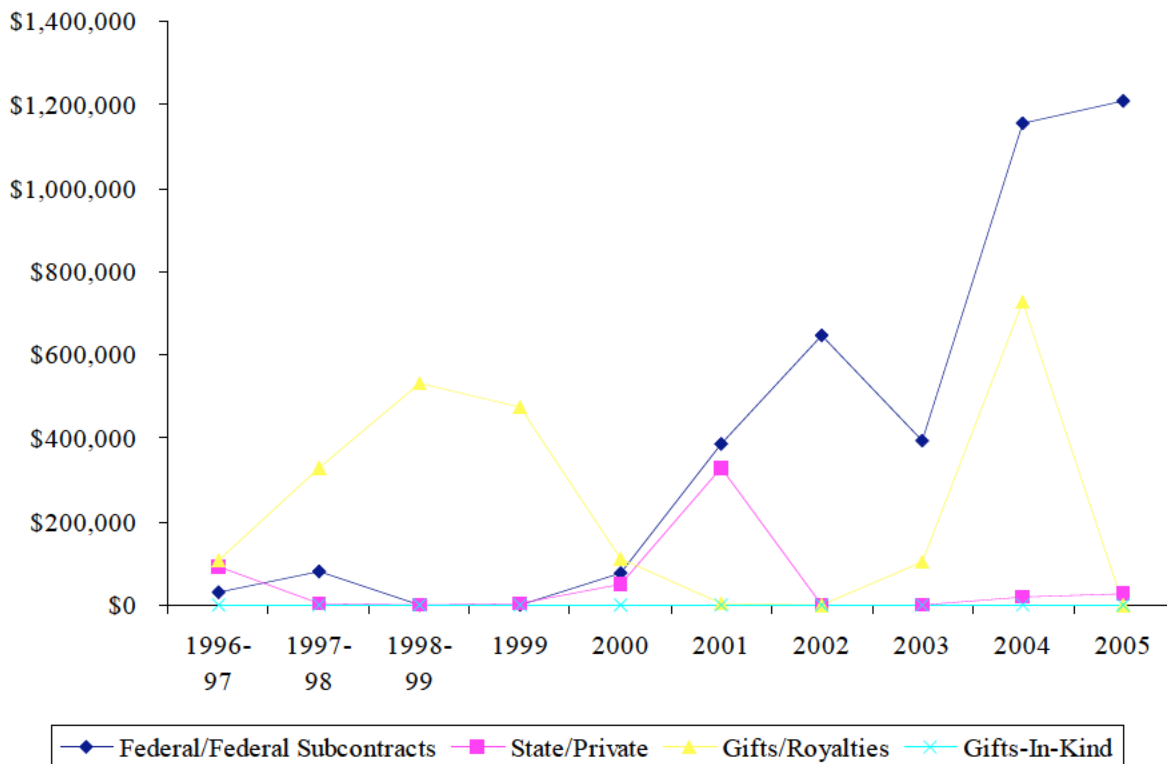
\*Faculty at the Center are from the Linguistics Department

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Gifts/Royalties	Gifts-In-Kind	Total
	Federal/Federal Subcontracts	State/Private			
1996-97	\$29,578	\$93,620	\$107,801	\$0	\$230,999
1997-98	\$81,027	\$3,613	\$330,361	\$0	\$415,001
1998-99	\$0	\$0	\$530,182	\$0	\$530,182
1999	\$0	\$4,438	\$474,383	\$0	\$478,821
2000	\$75,574	\$50,000	\$111,400	\$0	\$236,974
2001	\$385,376	\$328,672	\$4,000	\$0	\$718,048
2002	\$645,960	\$1,440	\$0	\$0	\$647,400
2003	\$395,633	\$0	\$103,784	\$0	\$499,417
2004	\$1,154,680	\$18,800	\$725,181	\$0	\$1,898,661
2005	\$1,209,231	\$25,237	\$0	\$0	\$1,234,468





# Humanities 2005 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Start Date</u>	<u>End Date</u>	<u>Type</u>	<u>Amount</u>	<u>N/C</u>
<i>Asian and Near Eastern Languages</i>								
Belnap, Kirk		Dept of Education	Language Resource Centers	8/15/2005	8/14/2006	1	\$350,000	C
Belnap, Kirk		UC Davis (DOEduc)	Arabic W/O Walls	12/1/2004	4/30/2005	2	\$37,580	N
Bougerie, Dana		AED	Chinese Flagship Program	6/1/2005	5/31/2006	2	\$500,104	N
Petersen, Mark		Korean Cult. Service	Perceptions of Korean Texts	7/1/1992	11/30/2010	4	\$12,600	C
Russell, Robert		LDS Church	Church Translation - Lithuanian proof	4/18/2005	5/13/2005	4	\$2,000	N
Russell, Robert		LDS Church	Translation of Lithuanian proof	4/10/2005	5/13/2005	4	\$737	C
Peterson, Mark		Korean Cultural Service	Perceptions of Korean Texts	11/7/2005	11/30/2010	4	\$7,400	C
<i>Center for Language Studies</i>								
Bourgerie, Dana		University of Maryland	Chinese Flagship Program	1/31/2005	5/31/2005	2	\$200,000	N
<i>Humanities, Classics, and Comparative Literature</i>								
Rosenberg, John		NEH	Art and Literature in the Prado Museum (in Spanish)	10/1/2005	9/30/2006	1	\$121,547	N
<i>Linguistics</i>								
Henrichsen, Lynn		Utah Humanities Council	English language Learning and Native language Maintenance...	11/1/2004	10/31/2005	3	\$2,500	N

Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private      N/C: N=New; C=Continuing

Department Totals	
Asian & Near Eastern Languages	\$910,421
Center for Language Studies	\$200,000
English	\$0
French & Italian	\$0
German & Slavic Languages	\$0
Hum, Classics & Comparative Lit	\$121,547
Humanities Research Center	\$0
Linguistics	\$2,500
Philosophy	\$0
Spanish & Portuguese	\$0
<b>College Total:</b>	<b>\$1,234,468</b>

# Humanities

## Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>Number Awarded</b>	<b>Total Amount</b>
<b>Federal</b>		
Dept of Education	1	\$350,000
NEH	1	\$121,547
<b>Total</b>	<b>2</b>	<b>\$471,547</b>
<b>Subcontracts</b>		
AED	1	\$500,104
Univ of Maryland	1	\$200,000
UC Davis (DOE)	1	\$37,580
<b>Total</b>	<b>3</b>	<b>\$737,684</b>
<b>State</b>		
Utah Humanities Council	1	\$2,500
<b>Total</b>	<b>1</b>	<b>\$2,500</b>
<b>Private</b>		
Korean Cultural Services	2	\$20,000
LDS Church	2	\$2,737
<b>Total</b>	<b>4</b>	<b>\$22,737</b>

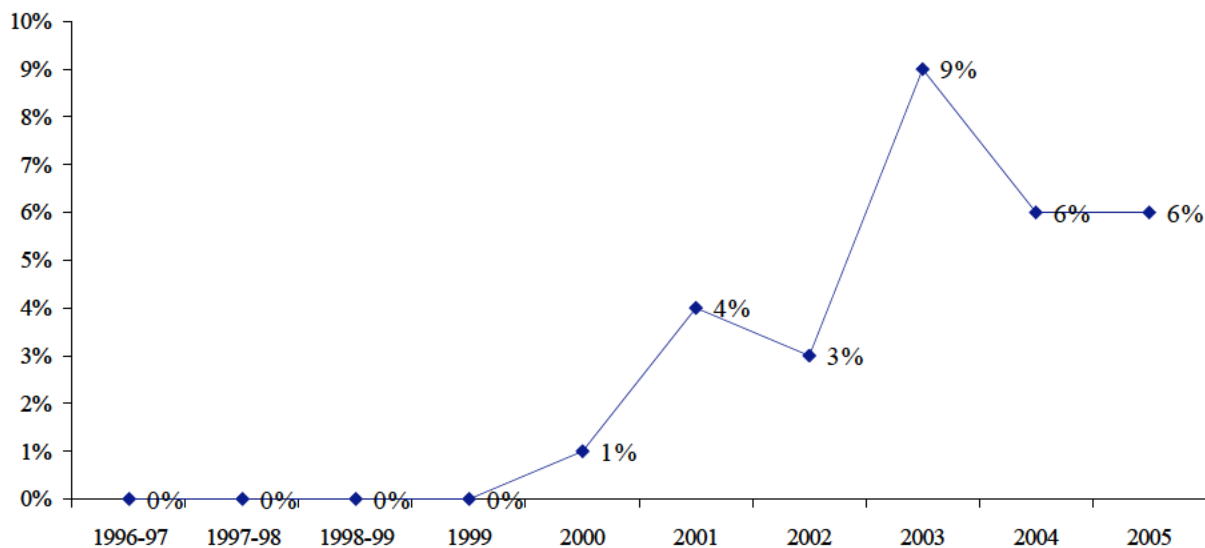


J. Reuben  
Clark Law  
School

# Summary of Sponsored Research (Grants & Contracts)

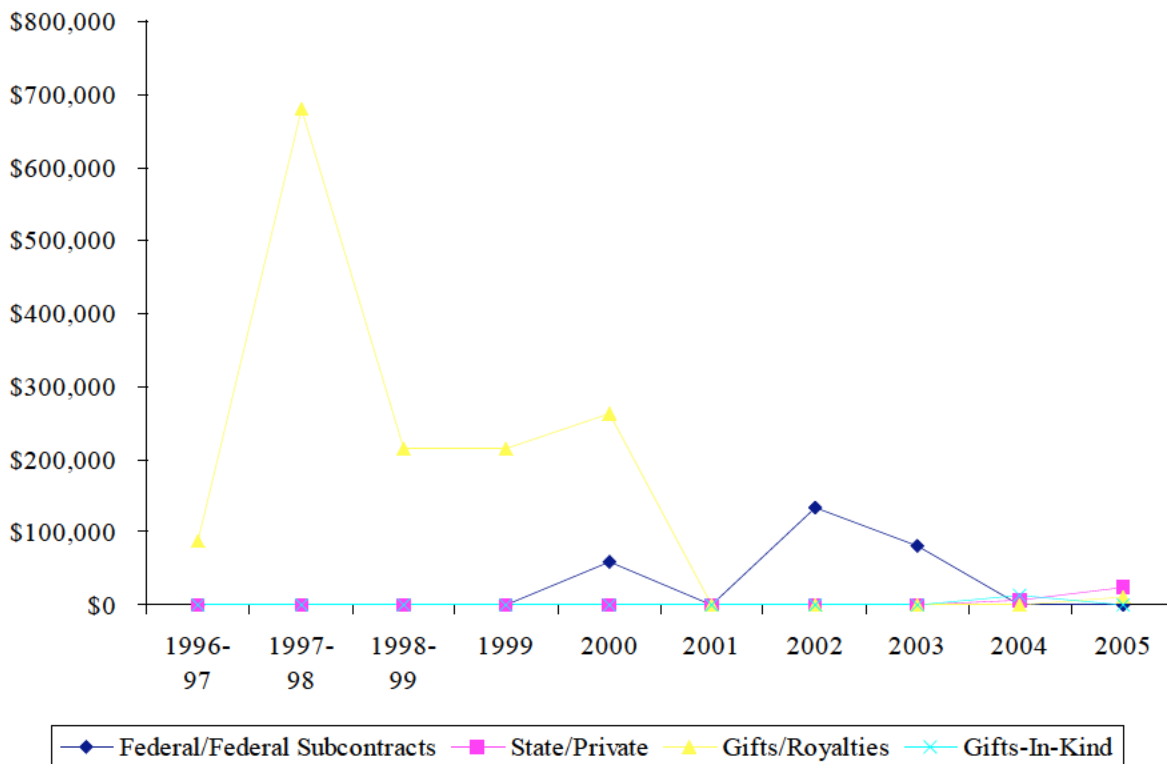
Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Law School	36	2	3	1	\$24,799
<i>TOTALS</i>	36	2	3	1	\$24,799

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Gifts/Royalties	Gifts-In-Kind	Total
	Federal/Federal Subcontracts	State/Private			
1996-97	\$0	\$0	\$88,076	\$0	\$88,076
1997-98	\$0	\$0	\$679,707	\$0	\$679,707
1998-99	\$0	\$0	\$214,962	\$0	\$214,062
1999	\$0	\$0	\$214,244	\$0	\$214,244
2000	\$58,650	\$0	\$261,856	\$0	\$320,506
2001	\$0	\$0	\$0	\$0	\$0
2002	\$133,653	\$0	\$0	\$0	\$0
2003	\$80,453	\$0	\$0	\$0	\$80,453
2004	\$0	\$6,667	\$0	\$12,500	\$19,167
2005	\$0	\$24,799	\$9,900	\$0	\$34,699



# J. Reuben Clark Law School 2005 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Start Date</u>	<u>End Date</u>	<u>Type</u>	<u>Amount</u>	<u>N/C</u>
<i>Law School</i>								
Lundberg, Constance		Utah State Library Div	Copyright and License Database for Digital Libraries	5/1/2005	9/15/2006	3	\$24,799	N

Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private      N/C: N=New; C=Continuing

Department Totals	
Law School	\$24,799
<b>College Total:</b>	<u>\$24,799</u>

# J. Reuben Clark Law School

## Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>Number Awarded</b>	<b>Total Amount</b>
<b>Federal</b>		
None		
	<i>Total</i>	
<b>Subcontracts</b>		
None		
	<i>Total</i>	
<b>State</b>		
Utah State Library Division	1	\$24,799
	<i>Total</i>	\$24,799
<b>Private</b>		
None		
	<i>Total</i>	



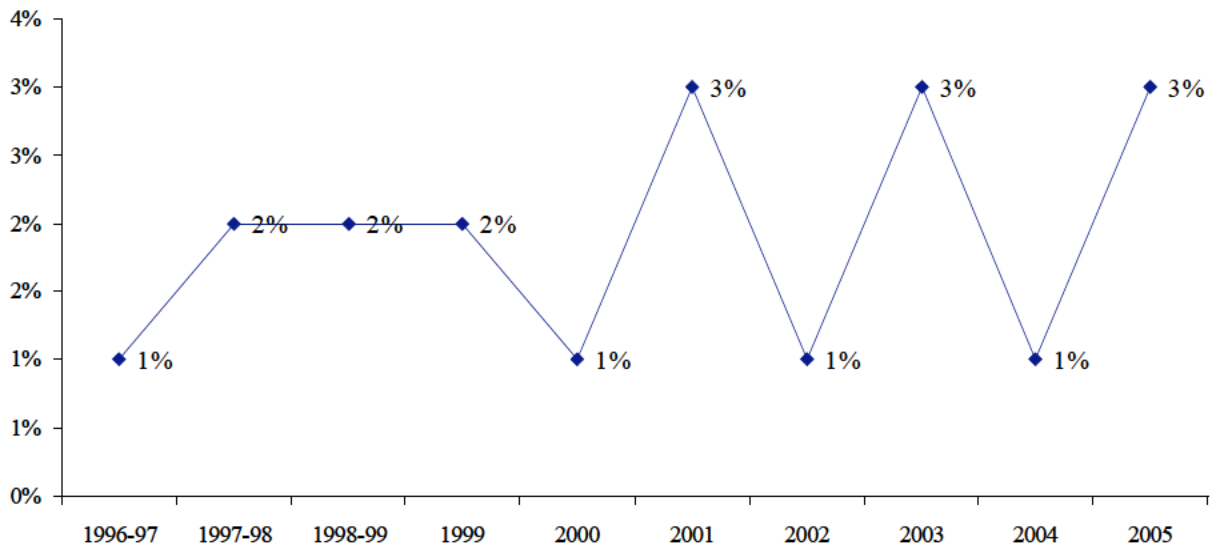
Marriott  
School of  
Management



# Summary of Sponsored Research (Grants & Contracts)

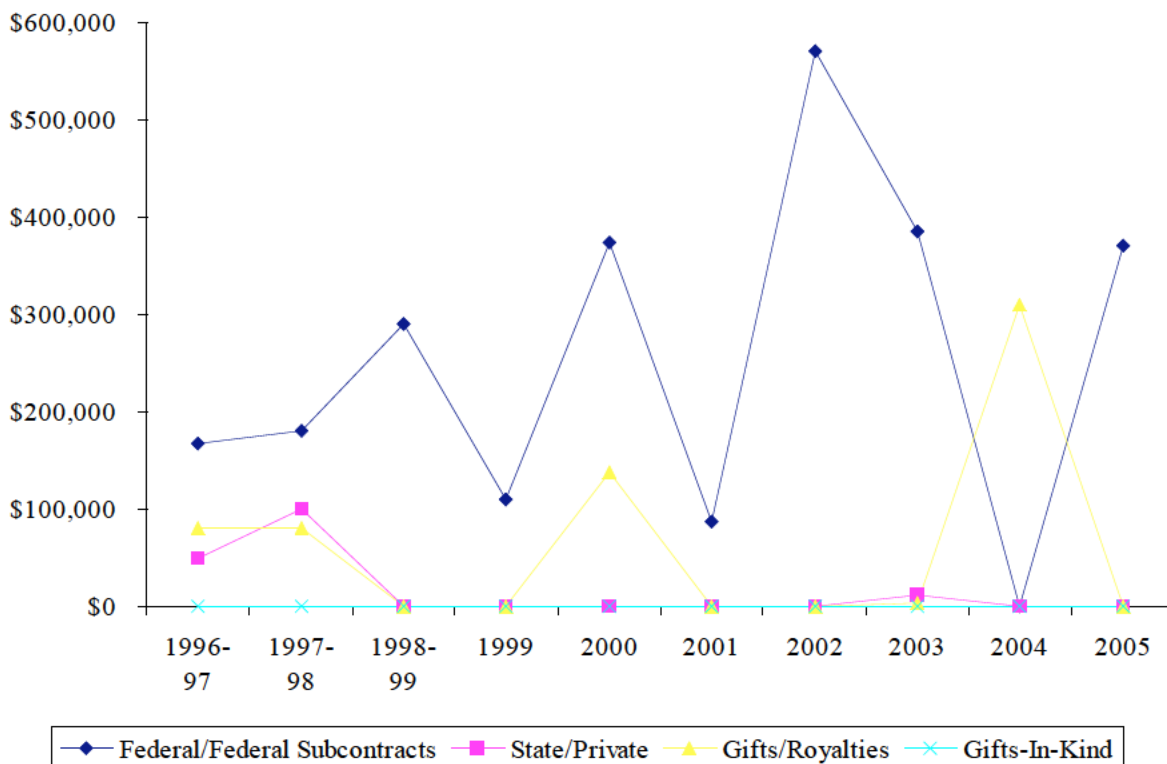
Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Center for Economic Development	1	3	1	0	\$0
Business Management	42	0	0	0	\$0
Organizational Leadership & Strategy	28	1	1	1	\$370,850
Romney Inst of Public Management	11	0	0	0	\$0
School of Accountancy	29	0	0	0	\$0
Information Systems	13	0	0	0	\$0
<b>TOTALS</b>	124	4	2	1	\$370,850

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Gifts/Royalties	Gifts-In-Kind	Total
	Federal/Federal Subcontracts	State/Private			
1996-97	\$167,000	\$48,510	\$80,000	\$0	\$295,150
1997-98	\$180,000	\$100,108	\$80,000	\$0	\$360,108
1998-99	\$289,890	\$0	\$0	\$0	\$289,890
1999	\$109,890	\$0	\$0	\$0	\$109,890
2000	\$374,000	\$0	\$137,000	\$0	\$511,000
2001	\$87,124	\$0	\$0	\$0	\$87,124
2002	\$570,628	\$0	\$0	\$0	\$570,628
2003	\$384,700	\$11,850	\$3,927	\$0	\$400,477
2004	\$0	\$0	\$309,536	\$0	\$309,536
2005	\$370,850	\$0	\$0	\$0	\$370,850



# Marriot School of Management 2005 Awards

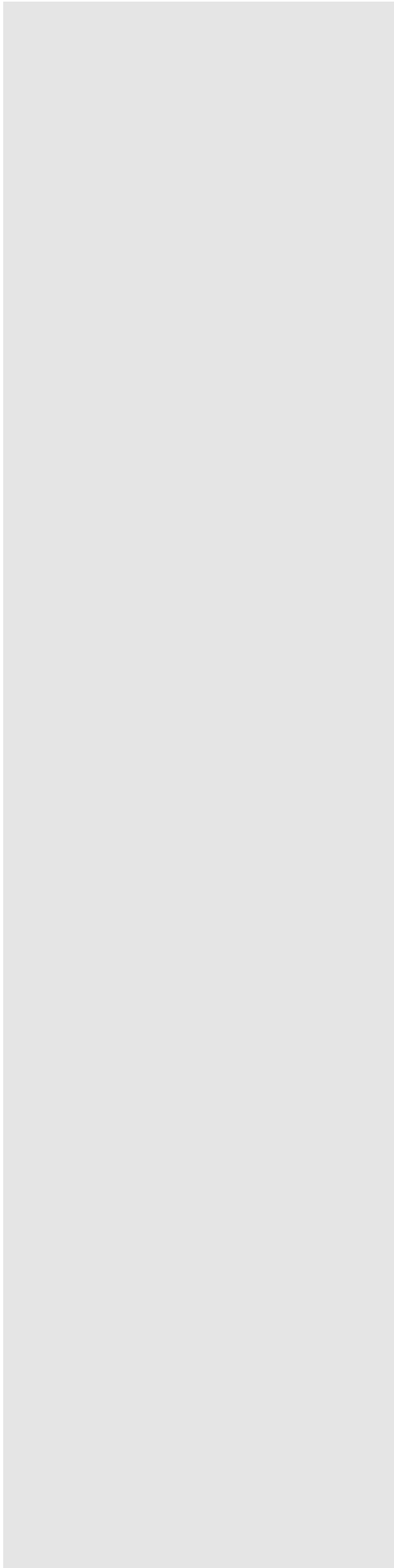
<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Start Date</u>	<u>End Date</u>	<u>Type</u>	<u>Amount</u>	<u>N/C</u>
<i>Organizational Leadership and Strategy</i>								
Derr, C. Brooklyn		Dept of Education	Centers for International Business Education and Research	10/1/2002	9/30/2006	1	\$370,850	C

Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private      N/C: N=New; C=Continuing

Department Totals	
Center for Economic Development	\$0
Business Management	\$0
Organizational Leadership & Strategy	\$370,850
Romney Inst of Public Management	\$0
School of Accountancy	\$0
Information Systems	\$0
<b>College Total:</b>	<b>\$370,850</b>

# Marriot School of Management Source Breakdown of Grants and Contracts

<u>Sponsor</u>	<u>Number Awarded</u>	<u>Total Amount</u>
<b>Federal</b>		
Dept. of Education	1	\$370,850
<i>Total</i>	1	\$370,850
<b>Subcontracts</b>		
None		
<i>Total</i>		
<b>State</b>		
None		
<i>Total</i>		
<b>Private</b>		
None		
<i>Total</i>		

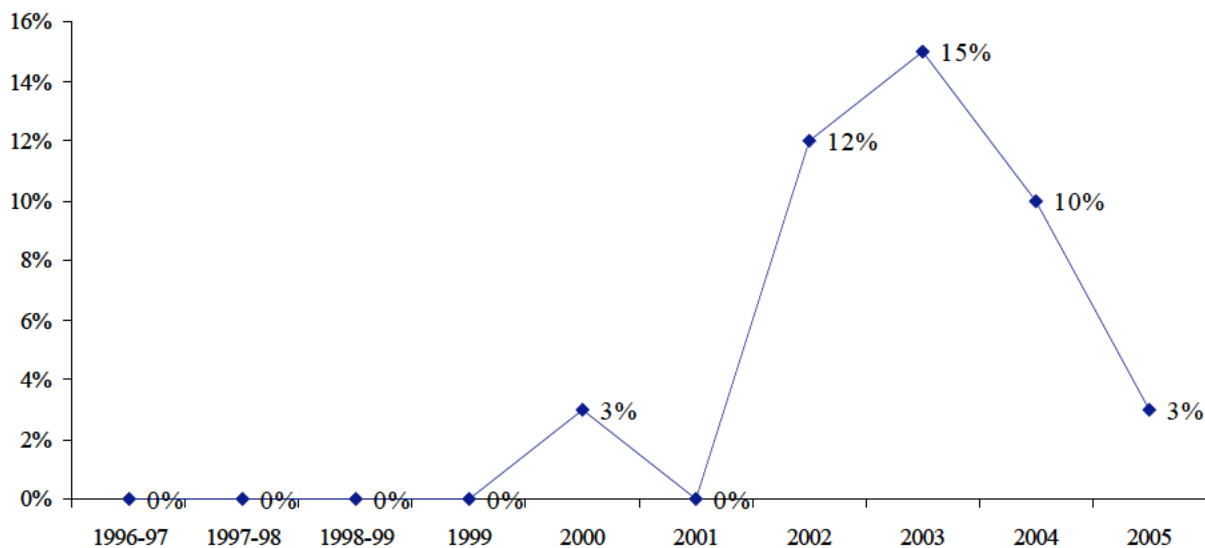


College  
of  
Nursing

# Summary of Sponsored Research (Grants & Contracts)

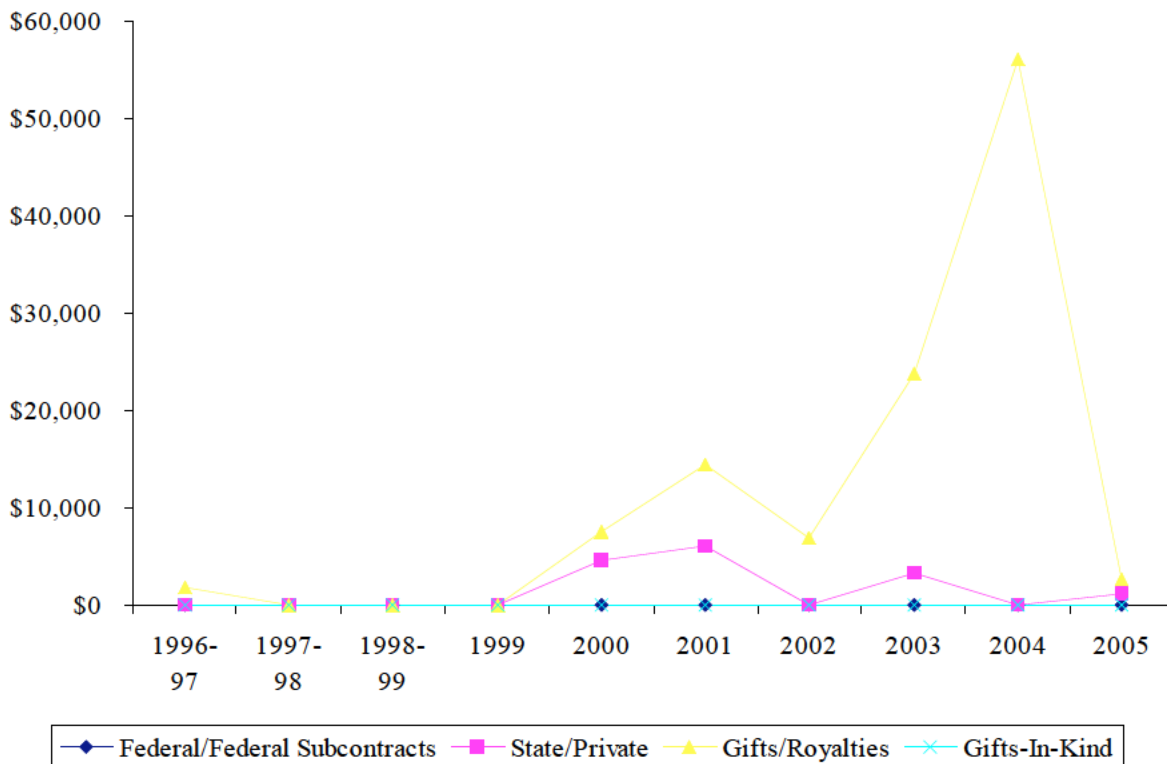
Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Nursing	37	1	1	1	\$1,080
<i>TOTALS</i>	37	1	1	1	\$1,080

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Gifts/Royalties	Gifts-In-Kind	Total
	Federal/Federal Subcontracts	State/Private			
1996-97	\$0	\$0	\$1,793	\$0	\$1,793
1997-98	\$0	\$0	\$0	\$0	\$0
1998-99	\$0	\$0	\$0	\$0	\$0
1999	\$0	\$0	\$0	\$0	\$0
2000	\$0	\$4,550	\$7,550	\$0	\$12,100
2001	\$0	\$6,129	\$14,480	\$0	\$20,609
2002	\$0	\$0	\$6,900	\$0	\$6,900
2003	\$0	\$3,200	\$23,789	\$0	\$26,989
2004	\$0	\$0	\$56,091	\$0	\$56,091
2005	\$0	\$1,080	\$1,500	\$0	\$2,580



# Nursing 2005 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Start Date</u>	<u>End Date</u>	<u>Type</u>	<u>Amount</u>	<u>N/C</u>
Rushton, Patricia		Utah Humanities Council	Nurses at War	11/30/2005	11/29/2010	3	\$1,080	N

Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private      N/C: N=New; C=Continuing

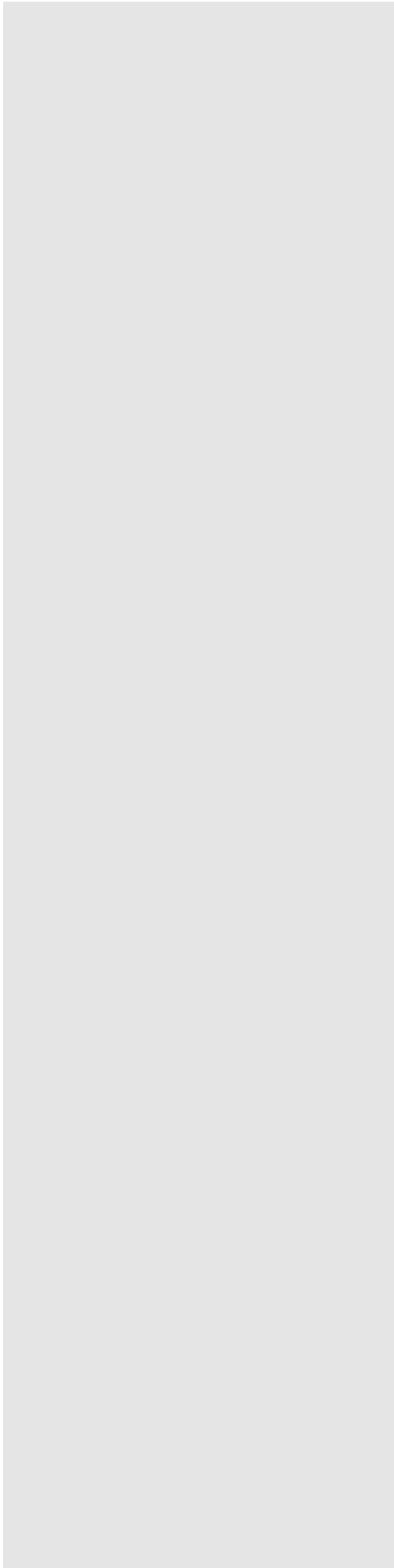
Department Totals	
Nursing	\$1,080
<b>College Total:</b>	<u>\$1,080</u>



# 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>	<hr/>	
<b>Subcontracts</b>		
None		
<i>Total</i>	<hr/>	
<b>State</b>		
Utah Humanities Coucil	1	\$1,080
<i>Total</i>	1	\$1,080
<b>Private</b>		
None		
<i>Total</i>	<hr/>	

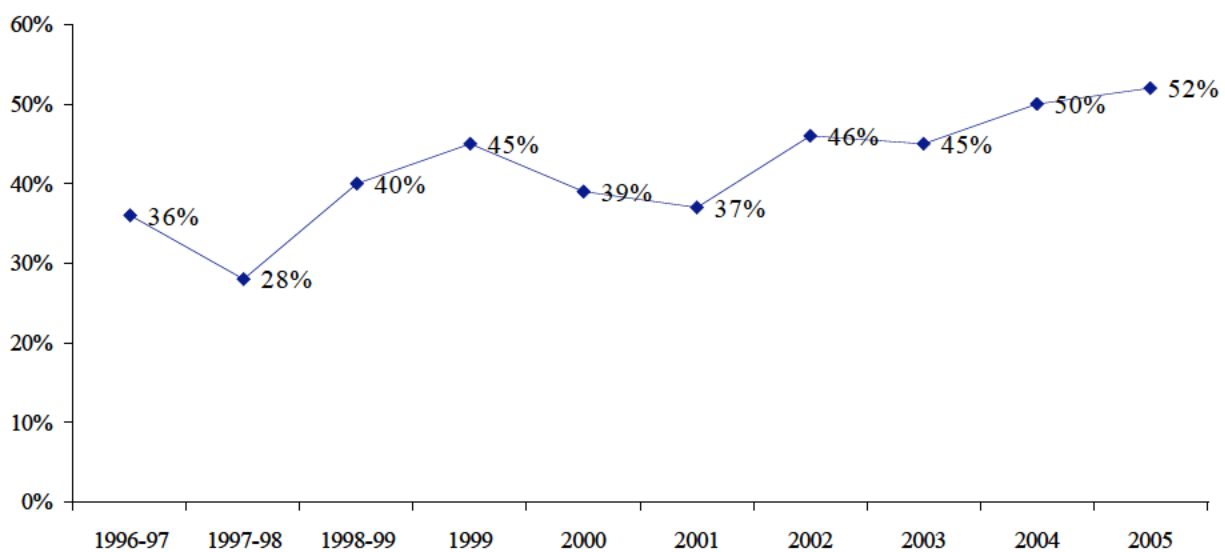


College  
of Physical  
&  
Mathematical  
Sciences

# Summary of Sponsored Research (Grants & Contracts)

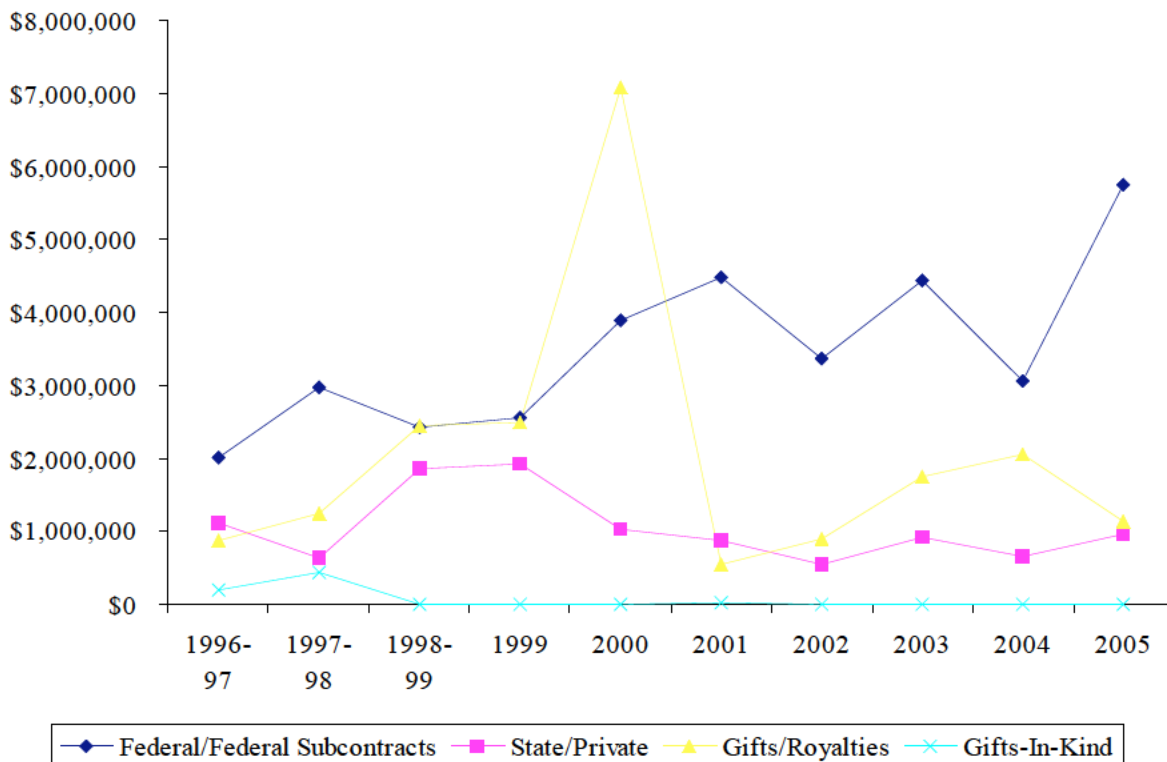
Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Chemistry & Biochemistry	41	37	65	41	\$3,254,063
Computer Science	29	18	16	15	\$1,535,357
Geology	14	13	15	7	\$305,468
Mathematics	32	9	9	2	\$46,363
Mathematics Education	10	0	0	1	\$17,574
Physics & Astronomy	34	15	14	22	\$1,521,657
Statistics	15	0	0	2	\$28,822
<b>TOTALS</b>	<b>175</b>	<b>92</b>	<b>116</b>	<b>83</b>	<b>\$6,709,304</b>

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Gifts/Royalties	Gifts-In-Kind	Total
	Federal/Federal Subcontracts	State/Private			
1996-97	\$2,017,813	\$1,109,950	\$867,684	\$193,500	\$4,188,947
1997-98	\$2,973,964	\$638,996	\$1,245,267	\$433,559	\$5,291,786
1998-99	\$2,436,351	\$1,853,248	\$2,438,223	\$0	\$6,727,822
1999	\$2,561,770	\$1,928,464	\$2,488,283	\$0	\$6,928,517
2000	\$3,892,327	\$1,032,159	\$7,085,643	\$0	\$12,010,129
2001	\$4,485,814	\$865,015	\$549,373	\$15,000	\$5,915,202
2002	\$3,368,967	\$547,133	\$886,015	\$0	\$4,802,115
2003	\$4,447,192	\$915,462	\$1,747,809	\$0	\$7,110,463
2004	\$3,065,799	\$653,585	\$2,048,484	\$0	\$5,767,868
2005	\$5,752,653	\$956,651	\$1,145,811	\$0	\$7,855,115



# Physical & Mathematical Sciences 2005 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Start Date</u>	<u>End Date</u>	<u>Type</u>	<u>Amount</u>	<u>N/C</u>
<i>Chemistry and Biochemistry</i>								
Willardson, Barry		NIH	Physiological role of Phosducins in the Retina	5/1/2005	4/30/2006	1	\$225,000	C
Boerio-Goates, Julie	w/ Woodfield, Brian	Dept of Energy	Energetics of Nanomaterials	5/15/2005	5/14/2006	1	\$82,500	N
Burton, Greg		NIH	Follicular Dendritic Cells and HIV Pathogenesis	7/6/2005	6/30/2006	1	\$351,305	N
Burton, Greg	w/Johnson, Leigh	NSF	MRI: Acquisition of DNA-manipulation robotics...	8/1/2005	7/31/2008	1	\$67,500	N
Burton, Greg		NIH (Johns Hopkins)	Tissue & Cell Reservoirs for HIV	1/1/2005	12/31/2005	2	\$166,412	C
Castle, Steven		NIH	New Methods for the Synthesis of Unusual Peptides	4/1/2005	3/31/2006	1	\$225,000	C
Eatough, Delbert		EPA	Measurement of Nonvolatile & Semi Volatile Components	5/4/2005	12/15/2005	1	\$34,794	N
Farnsworth, Paul	w/ Lee, Milton	NIH	Electromobility Focusing for Separation of Proteins	2/1/2003	11/31/06	1	\$113,085	C
Farnsworth, Paul		DOE	Ion Sampling and Transport in Plasma Source eMass Spectroscopy	11/1/2005	10/31/2006	1	\$62,500	C
Graves, Steven	w/ Thulin, Craig	Univ of Utah (NIH)	Proteomics: A Novel Approach to Predicting Preclampsia	4/1/2005	3/31/2006	2	\$15,633	N
Graves, Steven		Univ of Utah (NIH)	Proteomics: A Novel Approach to Predicting Preeclampsia	6/1/2005	5/31/2006	2	\$26,422	N
Graves, Steven		Glenveigh Research	Digibind for the Treatment of Severe Preclampsia	1/1/2005	8/31/2006	4	\$73,000	C
Henderson, Douglas		LLNL	Confinement Imposed on Polymers by Filler Particles as a Tool to Tailor the Properties.	9/19/2005	12/31/2005	2	\$25,000	N
Henderson, Douglas		NATO	NATO Conference	8/12/2005	8/11/2010	4	\$4,209	C
Izatt, Reed		IBC	Synthesis of Organic Compounds	2/1/2005	7/31/2005	2	\$40,000	N
Izatt, Reed		IBC	Synthesis of Organic Compounds	2/10/2005	12/31/2010	2	\$200	C
Izatt, Reed		ARO	Modeling and Thermodynamic Study	4/1/2005	3/31/2006	1	\$140,000	N
Lee, Milton		NIH	Electromobility Focusing for Separation of Proteins	2/1/2003	11/31/06	1	\$113,085	C
Lee, Milton		Palmar	Chemical and Biological Detector	5/8/2003	1/31/2006	2	\$180,559	C
Lee, Milton		Palamar (DOD)	Chemical and Biological Agent Detector	8/20/2003	1/31/2006	2	\$64,085	C
Lee, Milton		US Army (Dugway)	Chemical & Biological Agent Detector	9/18/2004	9/30/2005	1	\$69,000	C
Lee, Milton		Palmar Tech	High Throughput Chemical Analyzer	3/1/2004	1/31/2006	4	\$110,000	C
Lee, Milton		Berkeley Heartlab	Improvement in Resolution and Time....	9/1/2005	8/31/2006	4	\$21,907	N
Lee, Milton		Berkeley Heartlab, Inc.	Analysis of Lipoprotein Particles	9/1/2005	8/31/2006	4	\$109,534	C
Linford, Matt	w/ Harb, John	NSF	Exploratory Methods for Nanowire Fabrication on Insulating Substrates	3/15/2005	2/28/2006	1	\$33,333	N
Linford, Matt		US Synthetic Corp	Data Testing	1/21/2005	5/31/2005	4	\$8,500	N
Linford, Matt		US Synthetic	Research Collaboration with US Synthetic	12/13/2005	5/31/2006	4	\$6,500	C
Linford, Matt		Nano Tex, Inc.	TOF-SIMS support	5/1/2005	8/31/2005	4	\$2,500	N
Linford, Matt		Smith Megadiamond	TOF-SIMS Diamond Analysis	12/16/2005	12/31/2006	4	\$5,300	N
Robins, Morris		Univ of Kansas (NIH)	AdoHcy Hydrolase Inhibitors as Antiparasitic Agents	2/1/2003	1/31/2006	2	\$44,880	C
Savage, Paul		NAU	Receptor aggregation on the Cell Surface	2/28/2005	2/28/2006	2	\$14,892	C
Savage, Paul		NAU	Receptor Aggregation on the Cell Surface	3/15/2002	2/28/2005	2	\$400	C
Savage, Paul		U of Chicago (NIH)	Influence of Glycolipid Structure on Cytokine Release	1/15/2003	12/31/2005	2	\$230,463	C
Savage, Paul		ASU (WAESO)	Student Funding	1/20/2004	1/19/2005	2	\$756	C

Savage, Paul		ASU (WAESO)	Student Funding	1/20/2004	1/19/2005	2	\$756	C
Savage, Paul		Emory University (NIH)	GSL-1/OCH Subcontract	8/1/2005	7/31/2006	2	\$147,750	C
Savage, Paul		IBC	NMR	6/4/2004	5/31/2005	2	\$8,100	N
Savage, Paul		Natl. Jewish Hospital (NIH)	Antiviral Cationic Steroid Antibiotics	5/1/2005	3/30/2008	2	\$11,685	N
Savage, Paul		Ntl Jewish Hospital (NIH)	Antiviral Cationic Steroid Antibiotics	4/1/2005	3/31/2006	2	\$72,212	C
Savage, Paul		Tech. Transfer	Royalty Adjustment	5/12/2004	12/31/2020	4	\$105,750	C
Thulin, Craig		Univ of Utah (NIH)	Proteomics: A Novel Approach to Predicting Preeclampsia	4/1/2005	3/31/2006	2	\$15,634	N
Thulin, Craig	w/Graves, Steven	Univ of Utah (NIH)	Proteomics: A Novel Approach to Predicting Preeclampsia	6/1/2005	5/31/2006	2	\$26,422	N
Vollmer-Snarr, Heidi		National Kidney Foundation	Development of a Targeted & Triggered Drug Delivery System	9/1/2005	8/31/2006	4	\$15,000	N
Vollmer-Snarr, Heidi		American Health Assistance Fdn.	Isolation of Novel Compounds Involved in RPE Atrophy	4/1/2005	3/31/2007	4	\$100,000	N
Woodfield, Brian		Dept of Energy	Energetics of Nanomaterials	5/15/2005	5/14/2006	1	\$82,500	N
<b>Computer Science</b>								
Barrett, William		Adobe	Image Vectorization....	4/1/1997	12/31/2010	4	\$28,749	C
Barrett, William		Adobe	Image Vectorization and Document Registration	4/28/2005	12/31/2010	4	\$16,250	C
Christensen, William		EPA	Augmented Virtuality Interface Concepts	9/1/2004	11/30/2007	1	\$179,643	C
Clement, Mark	w/ Whiting, Michael	NSF	Biocomplexity: Hexapod Phylogenomics; REU Supplement	1/1/2002	12/31/2006	1	\$2,400	C
Embley, David		NSF	Collaborative Research: Tango ...	8/15/2005	7/31/2008	1	\$86,668	N
Goodrich, Michael		NSF	UAV-Enabled Wilderness Search and Rescue	11/1/2005	10/31/2008	1	\$167,142	N
Goodrich, Michael		MA&D	the Role of Social Reinforcers in Human and Machine Learning	3/30/2005	3/29/2006	2	\$49,819	N
Goodrich, Michael		Batelle(DOE)	Augmented virtuality interface concepts	6/8/2005	6/30/2006	2	\$23,148	N
Lonsdale, Deryle	w/Embley, David	NSF	Collaborative Research: Tango ...	8/15/2005	7/31/2008	1	\$86,666	N
Morse, Bryan	w/Goodrich, M.	NSF	UAV-Enabled Wilderness Search and Rescue	11/1/2005	10/31/2008	1	\$167,142	N
Morse, Bryan		Adobe	Image Vectorization....	7/1/2003	12/31/2010	4	\$30,000	C
Olsen, Dan	w/Goodrich, Michael	Batelle(DOE)	Augmented virtuality interface concepts	6/8/2005	6/30/2006	2	\$23,148	N
Olsen, Dan		Batelle Energy Alliance (DOE)	Augmented Virtuality Interface Concepts	6/8/2005	6/30/2006	2	\$11,574	C
Olsen, Dan		Adobe	Image Vectorization....	4/28/2005	12/31/2010	4	\$21,251	N
Olsen, Dan	w/ Goodrich, M	Batelle(DOE)	Augmented virtuality interface concepts	6/8/2005	6/30/2006	2	\$11,573	N
Seamons, Kent		NSF	ITR Automated Trust Negotiation in Open Systems	4/18/2005	8/31/2006	1	\$459,025	C
Seamons, Kent		UC Irvine (NSF)	Flexible Access Control Systems for Urban Crisis Response	10/1/2003	9/30/2006	2	\$82,093	C
Snell, Quinn	w/ Whiting, Michael	NSF	Biocomplexity: Hexapod Phylogenomics; REU Supplement	1/1/2002	12/31/2006	1	\$2,400	C
Tijerino, Yuri	w/Embley, David	NSF	Collaborative Research: Tango ...	8/15/2005	7/31/2008	1	\$86,666	N
<b>Geology</b>								
Bickmore, Barry		NSF	The Earth Science Story Book	2/1/2005	1/31/2008	1	\$72,534	N
Bickmore, Barry		NSF	Collaborative Research: Unraveling the Bacterium-mineral Interface-nanoscale Structures and Forces.	10/1/2005	9/30/2008	1	\$84,591	N
Dorais, Michael		NSF	Syncollisional Delamination: A test of crustal-scale tectonic wedging...	7/1/2005	6/30/2008	1	\$43,605	N
Kowallis, Bart		US Dept of Int (USGS)	Geologic Mapping of Lake Mountain	5/1/2005	4/30/2006	1	\$10,549	N

McBride, John		Univ of Illinois (DOE)	CO2 Sequestration in the Illinois Basin	10/1/2005	9/30/2007	1	\$45,010	N
McBride, John	w/Morris, Thomas	UT State Geological Survey	A Multidisciplinary Approach to reservoir Characterization...	1/3/2005	6/30/2005	3	\$9,589	N
McBride, John	w/Morris, Tom	UT DNR	Reservoir Characterization of the Navajo Sandstone...	9/1/2005	8/31/2007	3	\$15,000	N
Morris, Thomas		UT State Geol. Survey	A Multidisciplinary Approach to reservoir Characterization...	1/3/2005	6/30/2005	3	\$9,590	N
Morris, Thomas		UT DNR	Reservoir Characterization of the Navajo Sandstone...	9/1/2005	8/31/2007	3	\$15,000	N
<b>Mathematics</b>								
Dorff, Michael		NSF	REU Experiences in Math	4/1/2005	3/31/2007	1	\$17,574	N
Doud, Darrin		NSA	Reducible Galois Representations and Arithmetic Cohomology	6/6/2005	6/5/2006	1	\$11,215	N
Glasgow, Scott	w/ Dorff, Michael	NSF	REU Experiences in Math	4/1/2005	3/31/2007	1	\$17,574	N
<b>Mathematics Education</b>								
Lawlor, Gary	w/ Dorff, Michael	NSF	REU Experiences in Math	4/1/2005	3/31/2007	1	\$17,574	N
<b>Physics and Astronomy</b>								
Allred, David		NIST	SURF Summer Undergrad Res Prog	5/6/2005	9/1/2005	1	\$7,144	N
Allred, David		ASU	Computer support for Doctoral Candidate	1/20/2005	1/19/2006	3	\$3,150	N
Hatch, Dorian		DOE	Structural Transformations in Perovskite-like and Group III, IV and V nitride Ceramics	8/1/2005	1/31/2007	1	\$43,161	C
Hirschmann, Eric		NSF	Rigorous Techniques in Computational Problems #1	9/1/2003	8/31/2008	1	\$90,000	C
Hirschmann, Eric		NSF	Rigorous Techniques in Computational Problems #2	9/1/2003	8/31/2010	1	\$200,000	C
Leishman, Tim	w/ Blotter, Jonathan	Sandia	Analysis of Acoustic Array Configurations	1/21/2005	1/31/2006	1	\$58,703	N
Leishman, Timothy	w/Sommerfeldt, S.	NSF	Development of Acoustic Energy Concepts	6/24/2005	6/23/2006	1	\$29,168	C
Leishman, Timothy	w/ Sommerfeldt, S	Utah COE	Acoustics Research Center	7/1/2005	6/30/2006	3	\$38,333	N
Lewis, James	w/Bickmore, Barry	NSF	Collaborative Research: Unraveling the Bacterium-mineral Interface-nanoscale Structures and Forces.	10/1/2005	9/30/2008	1	\$84,591	N
Lewis, James	w/Hatch, Dorian	DOE	Structural Transformations in Perovskite-like and Group III, IV and V nitride Ceramics	8/1/2005	1/31/2007	1	\$43,161	C
Lewis, James		U of U (DOE)	Measurement of Semivolatile Particulate Matter	10/17/2004	9/30/2005	2	\$90,574	C
Merrell, Duane		Utah Office of ED	Secondary Ed teacher Workshop	5/1/2005	6/30/2005	3	\$180	N
Peatross, Justin		NSF	Bright Laser High Order Harmonic Generation	7/1/2005	6/30/2007	1	\$231,468	N
Peatross, Justin		ASU (NSF)	WAESO Support	7/1/2005	6/30/2006	2	\$756	N
Sommerfeldt, Scott		NSF	Development of Acoustic Energy Concepts	6/24/2005	6/23/2006	1	\$29,170	C
Sommerfeldt, Scott	w/ Blotter, Jonathan	Sandia	Analysis of Acoustic Array Configurations	1/21/2005	1/31/2006	1	\$58,703	N
Sommerfeldt, Scott		STI Technologies (NASA)	Energy based Acoustic Measurement	3/14/2005	10/31/2005	2	\$45,000	N
Sommerfeldt, Scott		Utah COE	Acoustics Research Center	7/1/2005	6/30/2006	3	\$38,334	N
Sommerfeldt, Scott		Caterpillar, Inc.	Active Noise Control in Earth-Moving Equipment	1/1/2005	12/31/2005	4	\$121,489	C
Sommerfeldt, Scott		Caterpillar	Active Noise Control in Earth Moving Equipment...	1/1/2005	12/31/2005	4	\$15,115	C
Spencer, Ross	w/ Farnsworth, P.	DOE	Ion Sampling and Transport in Plasma Source eMass Spectroscopy	11/1/2005	10/31/2006	1	\$62,500	C
Stokes, Harold	w/Hatch, Dorian	DOE	Structural Transformations in Perovskite-like and Group III, IV and V nitride Ceramics	8/1/2005	1/31/2007	1	\$43,161	C
Turley, Steven		NSF	REU	5/23/2003	4/30/2006	1	\$211,478	C
Turley, Steven		NSF	REU Site in Physics	5/23/2003	4/30/2006	1	-	C
							\$137,615	

Allred, David		ASU (WAESO)	Student Funding	1/20/2004	1/19/2005	2	\$756	C
Allred, David		Univ of Arizona	Evaluation and removal of peal coat layers	6/28/2005	5/31/2006	3	\$4,998	N
Merrell, Duane		UT State Office of Education	Secondary Ed. Workshop	5/1/2005	6/30/2005	3	\$27,423	N
Neilson, David		NSF	Black Holes: Excision and Matter Interactions	5/1/2005	4/30/2007	1	\$80,000	N
Peatross, Justin		ASU (WAESO)	Student Funding	1/20/2004	1/19/2005	2	\$756	C
<b>Statistics</b>								
Whiting, David	w/ Whiting, Michael	NSF	Biocomplexity: Hexapod Phylogenomics; REU Supplement	1/1/2002	12/31/2006	1	\$2,400	C
Whiting, David	w/Graves, Steven	Univ of Utah (NIH)	Proteomics: A Novel Approach to Predicting Preeclampsia	6/1/2005	5/31/2006	2	\$26,422	N

Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private      N/C: N=New; C=Continuing

Department Totals	
Chemistry & Biochemistry	\$3,254,063
Computer Science	\$1,535,357
Geology	\$305,468
Mathematics	\$46,363
Mathematics Education	\$17,574
Physics & Astronomy	\$1,521,657
Statistics	\$28,822
<b>College Total:</b>	<b>\$6,709,304</b>



# Physical & Mathematical Sciences

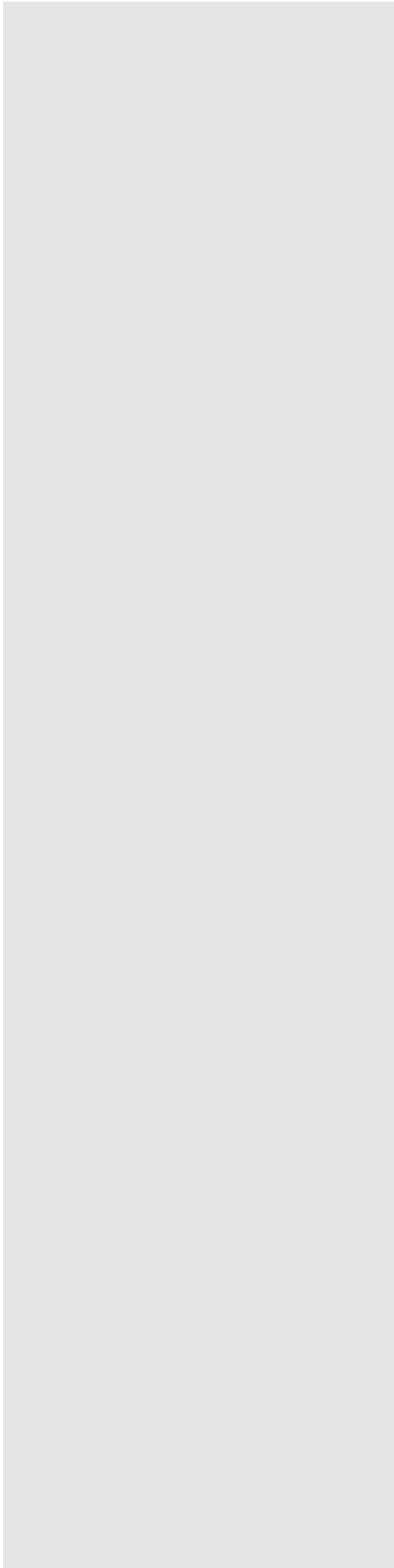
## Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>Number Awarded</b>	<b>Total Amount</b>
<b>Federal</b>		
ARO	1	\$140,000
DOE	3	\$419,483
Dugway, US Army	1	\$69,000
EPA	2	\$214,437
NIH	4	\$1,027,475
NIST	1	\$7,144
NSA	1	\$11,215
NSF	14	\$2,233,054
Sandia	2	\$117,406
Univ. of Illinois (DOE)	1	\$45,010
US Dept. of Interior (USGS)	1	\$10,549
<b>Total</b>	31	\$4,294,773
<b>Subcontracts</b>		
ASU (NSF)	1	\$756
ASU (WAESO)	4	\$3,024
Batelle Energy Alliance (DOE)	2	\$69,443
Emory University (NIH)	1	\$147,750
IBC	3	\$48,300
LLNL	1	\$25,000
MA&D	1	\$49,819
National Jewish Hospital (NIH)	2	\$83,897
NAU	2	\$15,292
NIH (Johns Hopkins)	1	\$166,412
Palamar (DOD)	2	\$244,644
STI Technologies (NASA)	1	\$45,000
UC Irvine (NSF)	1	\$82,093
Univ. of Chicago (NIH)	1	\$230,463
Univ. of Kansas (NIH)	1	\$44,880
Univ. of Utah (DOE)	1	\$90,574
Univ. of Utah (NIH)	2	\$110,533
<b>Total</b>	27	\$1,457,880
<b>State</b>		
ASU	1	\$3,150
Univ. of Arizona	1	\$4,998
UT DNR	1	\$30,000
UT State Geological Survey	1	\$19,179
UT State Office of Education	2	\$27,603
Utah COE	1	\$76,667
<b>Total</b>	7	\$161,597

# Physical & Mathematical Sciences

## Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>Number Awarded</b>	<b>Total Amount</b>
<b>Private</b>		
Adobe	4	\$96,250
American Health Assistance Fdn.	1	\$100,000
Berkeley Heartlab, Inc.	2	\$131,441
Caterpillar Inc.	2	\$136,604
Glenveigh Research	1	\$73,000
National Kidney Foundation	1	\$15,000
Nano Tex, Inc.	1	\$2,500
NATO	1	\$4,209
Palmar Tech	1	\$110,000
Smith Megadiamond	1	\$5,300
Tech. Transfer	1	\$105,750
US Synthetic Corp.	2	\$15,000
<b>Total</b>	17	\$795,054

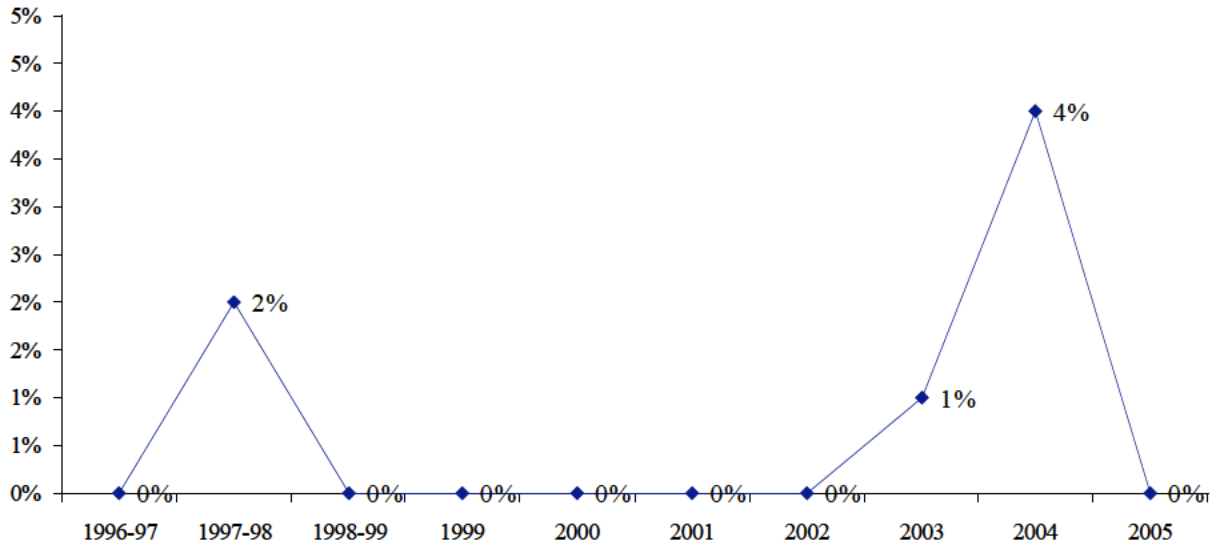


# College of Religious Education

# Summary of Sponsored Research (Grants & Contracts)

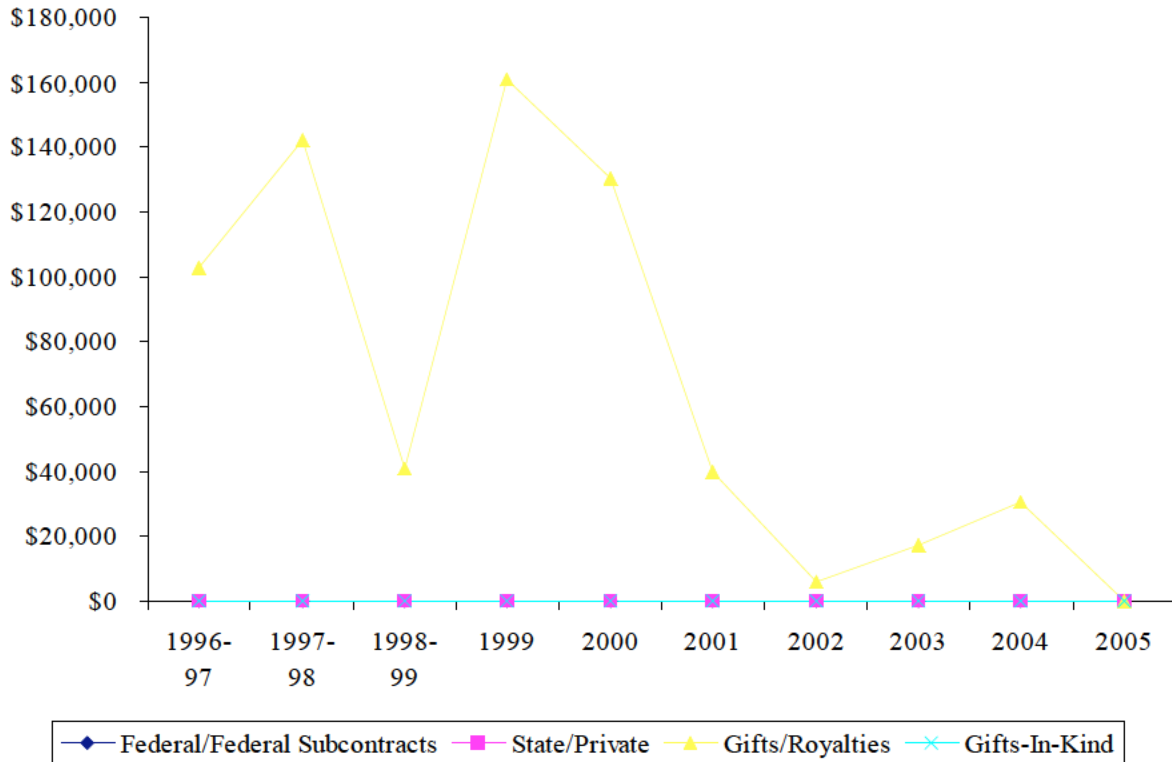
Department	# of Faculty	# of Faculty Submitting	# of Proposals Submitted	# of Awards	Dollars Awarded
Ancient Scripture	36	0	0	0	\$0
Church History & Doctrine	36	0	0	0	\$0
<b>TOTALS</b>	72	0	0	0	\$0

## Proposal Submission Activity



# External Research Funding (All Sources)

Year	Grants/Contracts		Gifts/Royalties	Gifts-In-Kind	Total
	Federal/Federal Subcontracts	State/Private			
1996-97	\$0	\$0	\$102,726	\$0	\$102,726
1997-98	\$0	\$0	\$142,371	\$0	\$142,371
1998-99	\$0	\$0	\$40,690	\$0	\$40,690
1999	\$0	\$0	\$160,672	\$0	\$160,672
2000	\$0	\$0	\$130,507	\$0	\$130,507
2001	\$0	\$0	\$40,000	\$0	\$40,000
2002	\$0	\$0	\$6,000	\$0	\$6,000
2003	\$0	\$0	\$17,126	\$0	\$17,126
2004	\$0	\$0	\$30,552	\$0	\$30,552
2005	\$0	\$0	\$0	\$0	\$0



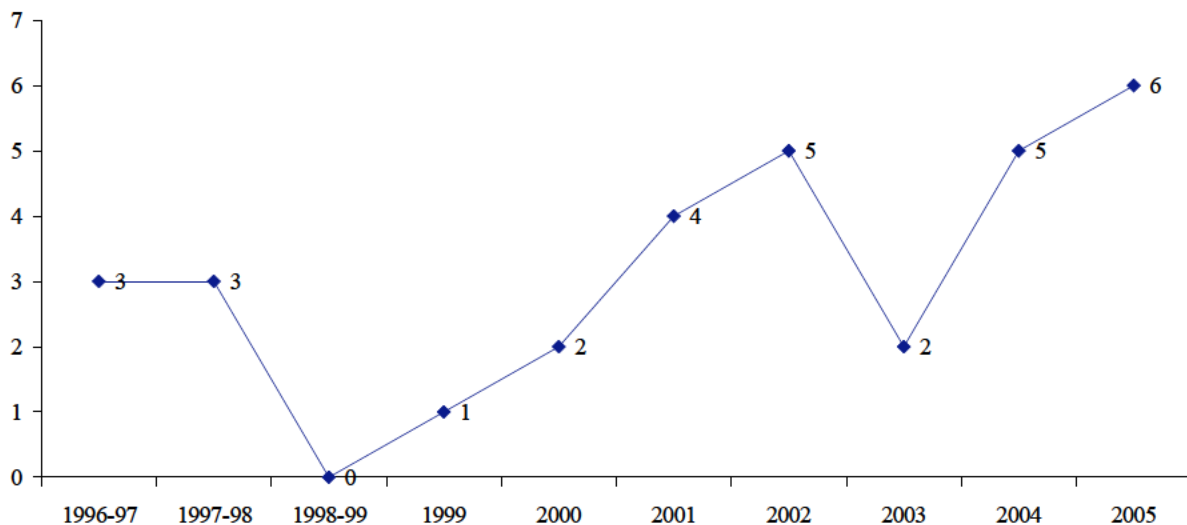


# Non-College Units

# Summary of Sponsored Research (Grants & Contracts)

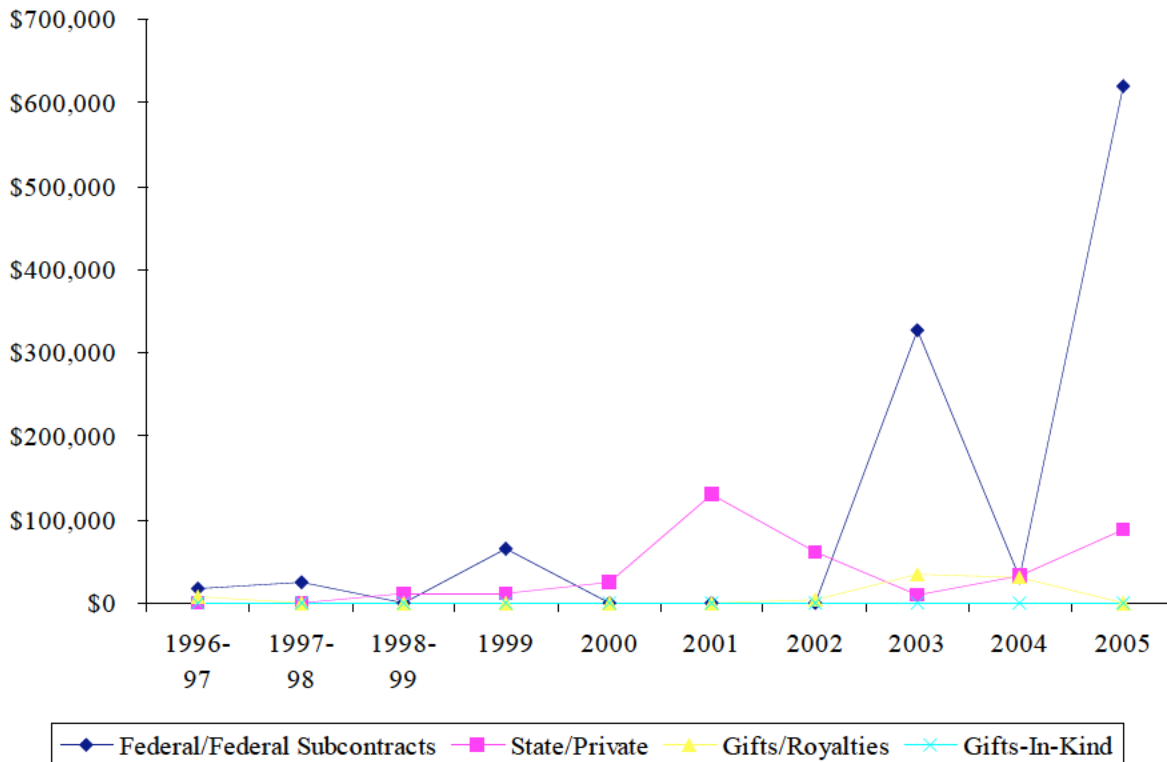
Department	# of Proposals Submitted	# of Awards	Dollars Awarded
Academic Internship	3	0	\$0
Admissions & Records	0	0	\$0
Associate Academic Vice President	0	2	\$121,500
Center for Instructional Design	0	0	\$0
Church Educational System	0	0	\$0
Faculty Center	0	0	\$0
General Education & Honors	0	0	\$0
Harold B. Lee Library	2	2	\$91,350
Information Technology Services	0	0	\$0
Institute for the Study and Preservation of Ancient Religious Texts	1	1	\$496,000
Jacobsen Center	0	0	\$0
Media Services	0	0	\$0
Technology Transfer	0	0	\$0
University Accessibility Center	0	0	\$0
University Computing Services	0	0	\$0
<b>TOTALS</b>	<b>6</b>	<b>5</b>	<b>\$708,850</b>

## Proposals Submitted



# External Research Funding (All Sources)

Year	Grants/Contracts		Gifts/Royalties	Gifts-In-Kind	Total
	Federal/Federal Subcontracts	State/Private			
1996-97	\$17,871	\$0	\$8,257	\$0	\$26,128
1997-98	\$25,000	\$0	\$0	\$0	\$25,000
1998-99	\$0	\$12,000	\$0	\$0	\$12,000
1999	\$64,875	\$12,000	\$0	\$0	\$76,875
2000	\$0	\$24,000	\$0	\$0	\$24,000
2001	\$0	\$129,916	\$0	\$0	\$129,916
2002	\$0	\$61,600	\$4,528	\$0	\$66,128
2003	\$327,250	\$10,000	\$33,973	\$0	\$371,223
2004	\$30,000	\$32,000	\$30,969	\$0	\$92,969
2005	\$620,500	\$88,350	\$0	\$0	\$708,850





# Non-College Units 2005 Awards

<u>PI</u>	<u>Co-PI</u>	<u>Sponsor</u>	<u>Title</u>	<u>Start Date</u>	<u>End Date</u>	<u>Type</u>	<u>Amount</u>	<u>N/C</u>
<i>Associate Academic Vice President</i>								
Maddox, Matt		NSF	NSF Fellowships	10/1/2004	9/30/2005	1	\$81,000	C
Maddox, Matt		NSF	NSF Graduate Student Fellowships	9/1/2005	8/31/2006	1	\$40,500	N
<i>Harold B. Lee Library</i>								
Hooper, Mike	w/Wells, Tom	State of Utah	G.E. Anderson Online Photography Collection	5/1/2005	9/15/2006	3	\$44,175	N
Wells, Thomas		State Library Division	Anderson On-line Photography Collection	5/1/2005	9/15/2006	2	\$3,000	C
Wells, Tom		State of Utah	G.E. Anderson Online Photography Collection	5/1/2005	9/15/2006	3	\$44,175	N
<i>Institute for the Study and Preservation of Ancient Religious Texts</i>								
Bradford, Gerald		Library of Congress	Middle Eastern Text Initiative	8/3/2005	8/30/2007	1	\$496,000	N

Type: 1=Federal; 2=Federal Subcontract; 3=State; 4=Private      N/C: N=New; C=Continuing

## Department Totals

Academic Internship	\$0
Admissions & Records	\$0
Associate Academic Vice President	\$121,500
Center for Instructional Design	\$0
Church Educational System	\$0
Faculty Center	\$0
General Education & Honors	\$0
Harold B. Lee Library	\$91,350
Information Technology Services	\$0
Institute for the Study and Preservation of Ancient Religious Texts	\$496,000
Jacobsen Center	\$0
Media Services	\$0
Technology Transfer	\$0
University Accessibility Center	\$0
University Computing Services	\$0
<b>College Total:</b>	<b>\$708,850</b>

# Non-College Units

## Source Breakdown of Grants and Contracts

<b>Sponsor</b>	<b>Number Awarded</b>	<b>Total Amount</b>
<b>Federal</b>		
NSF	2	\$121,500
Library of Congress	1	\$496,000
<i>Total</i>	3	\$617,500
<b>Subcontracts</b>		
State Library Division	1	\$3,000
<i>Total</i>	1	\$3,000
<b>State</b>		
State of Utah	1	\$88,350
<i>Total</i>	1	\$88,350
<b>Private</b>		
None		
<i>Total</i>		





# Administrative Support of Compliance Committees & Regulations

# Compliance and Certification

There are a number of federal, state, 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 2005 through December 2005 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 2005 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.

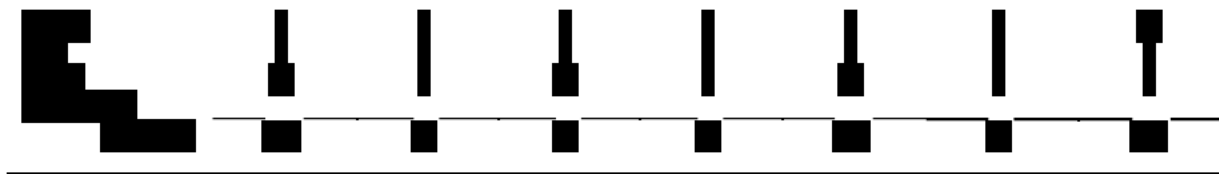
**The Institutional Animal Care and Use Committee (IACUC)** is required by federal regulation and is intended to ensure appropriate housing, care, and humane treatment of animals used in research or other academic activities. It formally approves the maintenance of all such animals for research projects 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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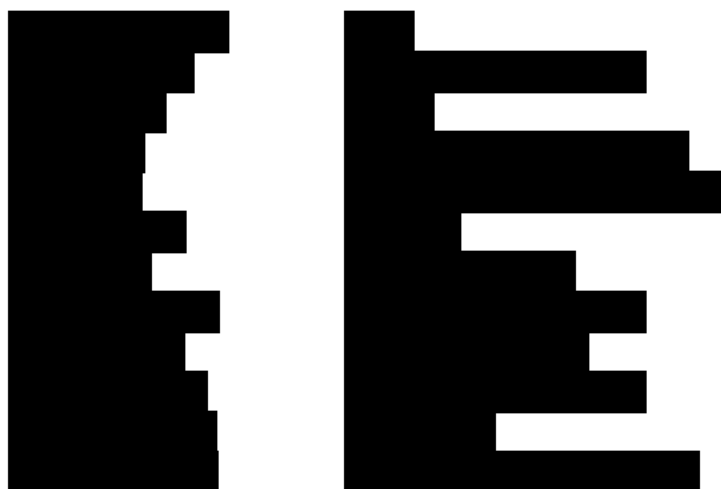
<sup>1</sup> Appendix 2 contains a list illustrating the number and kind of regulations with which we must comply.





# The Institutional 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 2005 are summarized by the following table.

College	New Approvals	Continuing	Pending

# 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 two new projects reviewed by the BioSafety Committee during the 2005 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>
2005	Joel C. Janetski
2004	David G. Long
2003	Gary Hooper
2002	Michael Bush

## ***Intellectual Properties***

<i><b>Year</b></i>	<i><b>Recipient</b></i>
2005	Paul B. Savage
2004	Tracy Nelson Carl Sorensen
2003	Norm Jones James Nelson Alan Zundel
2002	David Jensen

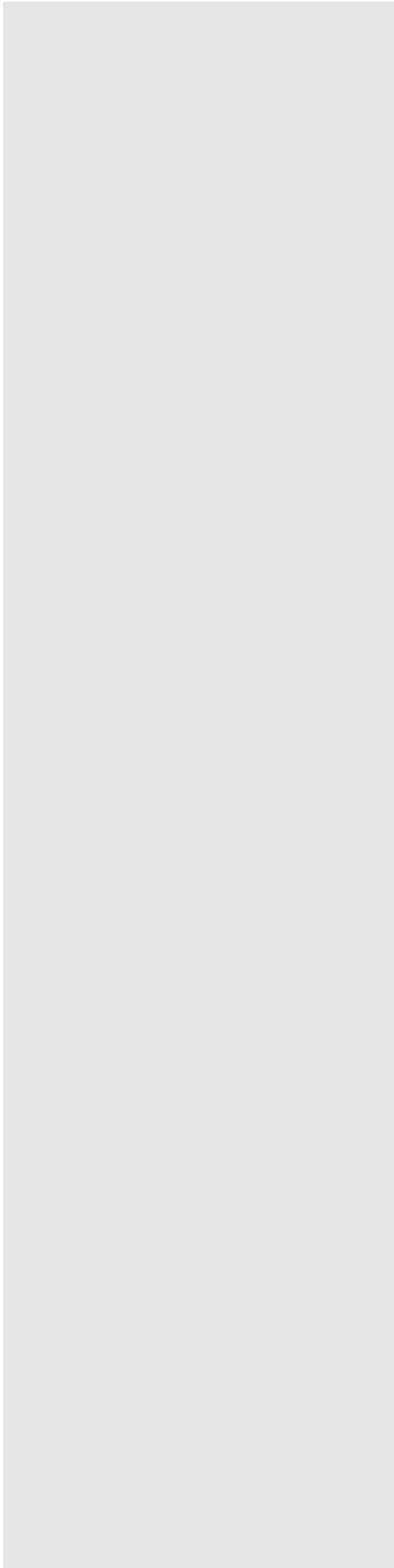
# 2005 Mentoring Environment Grant Recipients

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>Title</u>	<u>Dept</u>	<u>College</u>
Marta Jean Adair	Developing a Constructivist-Based Biology Laboratory for Elementary Education Majors	IB	B&A
Richard W. Baumann	Publishing Intern—Western North American Naturalist BYU Spring Term Mentoring Program 2005 at Oregon Institute of Marine Biology	IB	B&A
Lee F. Braithwaite	Implementing Inquiry-based Approaches in Biololy 100	IB	B&A
Rex G. Cates	Crustacean Systematics	IB	B&A
Keith Alan Crandall	Plant systematics at the species level: research mentoring for undergraduate students	IB	B&A
Leigh A. Johnson	Undergraduate development of a holistic bioinformatics research framework and novel analytical methodologies	IB	B&A
David A. McClellan	Insect Diversity along elevational gradients of American Fork Canyon and Mount Timpanogos, Utah	IB	B&A
Charles Riley Nelson	Stable carbon and nitrogen of South American Camelids and the paleodietary implications	IB	B&A
Todd Fergus Robinson	Mammalian biodiversity: phylogeny and disease	IB	B&A
Duke S. Rogers	Native Plant Diversification for Wildlands	IB	B&A
Bruce A. Roundy	Seasonal trophic dynamics in tailwater fisheries	IB	B&A
Dennis Kenji Shiozawa	The Insect Tree of Life: A Hierarchical Mentorship Experience	IB	B&A
Michael F. Whiting	Agricultural, Ecological and Evolutionary Nematology: An Integrative Research Program for Undergraduates in the Biological Sciences	M&MB	B&A
Byron James Adams	Missing Mormon Refugees of the Middle Missouri Valley	M&MB	B&A
Shauna C. Anderson	Hematopoiesis Research	M&MB	B&A
Sandra Hale Burnett	Community Ecology of Halophiles in the Great Salt Lake	M&MB	B&A
Alan R. Harker	Is the PhoU Signaling Protein an Enzyme?	M&MB	B&A
William R. McCleary	Characterization of Arabidopsis Mitochondrial DNA Recombination Proteins	M&MB	B&A
Brent Lynn Nielsen	A Novel Approach to Assessing the Metastatic Potential of Cancer Cells (Renewal)	M&MB	B&A
Kim L. O'Neill	The pathobiology of Mycobacterium ulcerans	M&MB	B&A
Richard A. Robison	Regulation of lymphocyte migration to the mammary gland	M&MB	B&A
Eric Wilson	Vitamins K and D Effect on Bone Mineral Density	ND&FS	B&A
Robert T. Davidson	Nutrient stability and consumer acceptability of vitamin and mineral fortified nixtamal tortillas	ND&FS	B&A
Mike L. Dunn	Development of Nutrition Education Kits for Community Outreach	ND&FS	B&A
Nora Kay Nyland	Effect of end-user preparation methods on micronutrient delivery of food aid commodities (A Field Study)	ND&FS	B&A
Oscar A. Pike	Microbial and Environmental Requirements for Propagation of Native Forbs	P&AS	B&A
Phill S. Allen	Molecular Biology and Genetics of Chenopodium Quinoa	P&AS	B&A
Craig Eliot Coleman	Identification of Endophytes In Fescue Grasses Using Genetic Markers and Alkaloid Isolation	P&AS	B&A
Bradley Dale Geary	Phylogenetic Investigations of Quinoa and Its Wild Relatives (Genus Chenopodium)	P&AS	B&A
Eric Nathan Jellen		P&AS	B&A

Peter J. Maughan	Structural genomics of quinoa: Construction of an EST database derived from multiple cDNA libraries	P&AS	B&A
Richard Ellis Terry	Mentored Environment in Ancient Agricultural Resources of the Maya at Tikal, Guatemala	P&AS	B&A
Jeffery Richard Barrow	The role of Wnt signaling in mouse limb development	P&DB	B&A
John David Bell	Mechanisms by which Phospholipase A2 Distinguishes Healthy and Damaged Cells	P&DB	B&A
Allan M. Judd	Mechanisms Involved in Cytokine Regulation of StAR Expression and Cortisol Secretion	P&DB	B&A
David Lee Kooyman	Characterization of Genetic and Environmental Components of Spontaneous	P&DB	B&A
Michael Robert Stark	Molecular regulation of sensory neuron formation	P&DB	B&A
Sterling N. Sudweeks	Characterization of neuronal nicotinic acetylcholine receptors in the hippocampus	P&DB	B&A
William W. Winder	Regulation of LKB1/MO25/STRAD in Skeletal Muscle	P&DB	B&A
Barbara Culatta	Systematic and Engaging Early Literacy Instruction	A&SLP	EDUC
Richard W. Harris	Development of Digitally Recorded Speech Audiometry Materials	A&SLP	EDUC
David Dwayne Williams	Cultural Analysis and Evaluation in Guatemala	IP&T	EDUC
Gary E. Bingham	Differential Effects of Developmentally Appropriate Early Education Settings on Children's School Motivation and Achievement	TED	EDUC
Kendra Maria Hall	Building the basics of comprehension instruction in early childhood classrooms	TED	EDUC
Michael O. Tunnell	Children's Literature Database	TED	EDUC
Alan K. Zundel	Hydraulic Numerical Analysis Methods, Learning through Doing and Teaching	CEEN	E&T
Richard L. Rowley	Molecular Simulation of Thermophysical Properties	CHEME	E&T
James K. Archibald	A Satisficing Multi-Agent Approach to Free Flight	ECEN	E&T
Stephen Marshall Schultz	Undergraduate Photonics Mentoring Environment	ECEN	E&T
Jonathan D. Blotter	A Mentoring Environment to Develop Teaching and Training Media	MECHE	E&T
Daniel Maynes	Analysis and Design of Microfluidic Devices Utilizing Nanoengineered Surfaces	MECHE	E&T
J. Robert Walz	International Reporting in a Mentored Environment	COMM	FA&C
Rodger Dale Sorensen	Three Mormon Women	TMA	FA&C
Timothy Allan Threlfall	BFA Senior Showcase	TMA	FA&C
Cynthia S. Finlayson	The Ottoman Azem Palace Project, Damascus, Syria	VA	FA&C
John P. Hawkins	Mentored Research and Editing regarding Guatemala: Post NSF-REU mentoring	ANTHRO	FH&SS
Valerie M. Hudson	Gender Civilizations	POLISCI	FH&SS
Daniel L. Nielson	Delegation and Development: The Effects of Foreign Finance on Poverty and Human Capital	POLISCI	FH&SS
George J. Bloch	Stress Impact and Health, Anxiety, Depression	PSYCH	FH&SS
Scott C. Steffensen	Neuropsychology Lab Rotations	PSYCH	FH&SS
Susanne F. Olsen	Parental and Child Adaptation in Families of Children with Chronic Conditions	SFL	FH&SS
Ralph B. Brown	Identifying, Harvesting, and Bioassaying Medicinal Plants in Northern Thailand: Using Sociology and Biology to Move Indigenous Knowledge to Marketable Applications	SOC	FH&SS
Renata A. Forste	Incarcerated British Fathers: Family Relationships and Health	SOC	FH&SS
David A. Day	PBS Documentary of the 2005 World Harp Congress in Dublin, Ireland		HBLL
Scott H. Duvall	Exhibition and Graphic Design Experience		HBLL
J. Michael Hunter	Annotated and Indexed Bibliography of Mormon Diaries and Journals		HBLL
Mark B. Pollei	Mentoring Environment Grant for Rare Book and Paper Conservation Training		HBLL
Rebecca W. Phillips	Mentoring Students Through the Learning, Restaging, and Performance of Paul Taylor's Classic Work Esplanade	DANCE	H&HP
Charles F. Stiggins	Fitness & Wellness Partnership	EXSC	H&HP
Stacy T. Taniguchi	Challenging Outdoor Recreation: Finding the attributes of a meaningful experience for youth and family	RMYL	H&HP
Roger Macfarlane	Classical Archaeology on Vesuvius' North Slope: BYU, Suor Orsola Benincasa University, and the town of Pollena Trocchia	HUM	HUM
William G. Eggington	Studies in Forensic Linguistics	LING	HUM

Michelle Stott James	The Sophie Mentored Research Project	G&SL	HUM
Randall James Lund	Effectiveness of the European Language Portfolio in Austria	G&SL	HUM
Thomas E. Lyon	Borges on Borges: A Writer elucidates his own work	S&P	HUM
Dale Joseph Pratt	Spanish Golden Age Theater and K-12 Outreach: El caballero de Olmedo	S&P	HUM
James H. Backman	Mediation Labs		LAW
Kristie K. Seawright	Entrepreneurial Development in the Informal Economic Sector	BUSM	MSM
	The Effect of Intra-firm Heterogeneity on the Difficulty of Knowledge Transfer	OL&S	MSM
Robert J. Jensen	Information Systems Ph.D. prep research environment, renewal	SOA&IS	MSM
Paul Benjamin Lowry	Mentoring Brigham Young University Nursing Students' Collaborative Work to Improve Professional Nursing Behaviors at the University of Jordan Hospital		NURS
A. Elaine Bond	Contributions to Professional Development and Nursing Research in the Russian Federation		NURS
Lynn Clark Callister	Mentoring Students in Nursing Research and Practice in Argentina		NURS
Catherine Coverston	Nursing Education in Ecuador, A Mentored Collaboration Approach		NURS
Sheri P. Palmer	Combined experimental and theoretical studies of water adsorbed on TiO <sub>2</sub> and zeolite surfaces	CHMBIO	P&MS
Juliana Boerio-Goates	Discovery of diagnostic markers for complications of pregnancy.	CHMBIO	P&MS
Craig Dan Thulin	Undergraduate Mentoring in DNA-Templated Nanofabrication	CHMBIO	P&MS
Adam T. Woolley	Digital Mountain: From Granite Archive to Global Access	CS	P&MS
William A. Barrett	UAV-Enabled Rural Search and Rescue	CS	P&MS
Michael A. Goodrich	Student Visions of Learning in Autonomous Extra-terrestrial Systems	CS	P&MS
Dan Aaron Ventura	Reconstructing Ancient Magmatic Environments II	GEOL	P&MS
Eric H. Christiansen	Copper, gold, sulfur contents of iron-titanium oxides in ore-related and barren igneous rocks	GEOL	P&MS
Jeffrey Davis Keith	Nonequilibrium Thermodynamics, Origins of Irreversibility, and Dispersive System Identification/Reduction	MATH	P&MS
Scott Alan Glasgow	Research group in algebraic geometry	MATH	P&MS
Tyler J. Jarvis	Momentum and Discovery	MATHED	P&MS
Robert David Speiser	Discovering nanoscale defect architectures in complex oxides	P&A	P&MS
Branton J. Campbell	Nanoscale Materials for electronics and optics	P&A	P&MS
Robert Clinton Davis	The BYU New Testament Commentary: An Application for a Mentoring Environments Grant	AS	REL
S. Kent Brown	Correlation of Old Testament JST, KJV, and Masoretic Variants	AS	REL
Paul Y. Hoskisson	Women In Scripture Study Guide	AS	REL
Camille Fronk Olson	Family History Archives in Central Europe	CH&D	REL
Roger Minert			



# Student Recognition

# 2005 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 \$1,500 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>).

## Department

## Recipient

## Faculty Mentor

Accountancy and Information Systems	Dirk E. Black	Theodore Christensen
Accountancy and Information Systems	Samuel A. Mautz	Theodore Christensen
Asian and Near Eastern Languages	Hannah Pritchett	Dilworth B. Parkinson
Asian and Near Eastern Languages	Neal Alexander Spackman	Dilworth B. Parkinson
Anthropology	Stephen R. Brady	David P. Crandall
Anthropology	Adriana Faye Matos	William Carl Olsen
Anthropology	Robertlee James O'Loughlin	Edwin K. Andrus
Anthropology	April Marie Reynosa	William Carl Olsen
Anthropology	Ryan J. Ribeira	William Carl Olsen
Anthropology	Ashley Lyn Valdivieso	William Carl Olsen
Audiology and Speech Language Pathology	Paul W. Lambert	Thomas Arvel Wayment
Audiology and Speech Language Pathology	Lisa Jeppson Christensen	Martin Fujiki
Audiology and Speech Language Pathology	Margaret M. Hansen	Martin Fujiki
Audiology and Speech Language Pathology	Bethany Lynne Hillary	Martin Fujiki
Business Management	W. Devin Wagstaff	Kristie K. Seawright
Civil and Environmental Engineering	Aimee Worthen Birdsall	William S. Guthrie
Civil and Environmental Engineering	Rebecca Ann Crane	William S. Guthrie
Civil and Environmental Engineering	Aaron B. Smith	Travis M. Gerber
Church History and Doctrine	Jessica Ballstaedt	Mary Jane Woodger
Church History and Doctrine	Vance Robert Bohman	Alonzo L. Gaskill
Church History and Doctrine	Garrett Wesley Gibbons	Cynthia Doxey
Church History and Doctrine	Caleb John Manscill	Richard O. Cowan
Church History and Doctrine	Jason K. Manwaring	Terry Briggs Ball
Church History and Doctrine	Marisa J. Snyder	Cynthia Doxey
Church History and Doctrine	Stanley J. Thayne	John Spencer Fluhman
Chemical Engineering	Justin J. Baker	William G. Pitt
Chemical Engineering	Daniel J. Lattin	Kenneth A. Solen
Chemical Engineering	James R. Lattin	William G. Pitt
Chemical Engineering	Douglas Smoot Lewis	William G. Pitt
Chemical Engineering	Bryant J. Staples	William G. Pitt
Chemistry and Biochemistry	Lawrence R. Baker	Steven R. Goates
Chemistry and Biochemistry	Rebecca A. Baum	David Michael Belnap
Chemistry and Biochemistry	David Karl Bedke	Merritt Brooks Andrus
Chemistry and Biochemistry	Daniel Kaye Chan	Allen Rowdon Buskirk
Chemistry and Biochemistry	David J. Eckersley	Gregory F. Burton
Chemistry and Biochemistry	Kyle M. Fox	Steven A. Fleming
Chemistry and Biochemistry	Michael David Gillins	Noel L. Owen
Chemistry and Biochemistry	Bryce Alan Harbertson	Heidi Rebecca Vollmer-Snarr

Chemistry and Biochemistry	Jason Ezra Hawkes	Milton L. Lee
Chemistry and Biochemistry	Timothy David Jennings	Paul Bennett Savage
Chemistry and Biochemistry	Jon Adam Kimball	Milton L. Lee
Chemistry and Biochemistry	Kam Lau	Heidi Rebecca Vollmer-Snarr
Chemistry and Biochemistry	Nathan Enoch Lewis	Craig Dan Thulin
Chemistry and Biochemistry	Peter F. Mclean	Craig Dan Thulin
Chemistry and Biochemistry	Tyler Kenneth Meldrum	Juliana Boerio-Goates
Chemistry and Biochemistry	Mickey R. Miller	Allen Rowdon Buskirk
Chemistry and Biochemistry	Matthew A. Sparks	Heidi Rebecca Vollmer-Snarr
Chemistry and Biochemistry	Adam Lee Washburn	Adam T. Woolley
Chemistry and Biochemistry	Woods Rayburn Woolwine	Delbert J. Eatough
Communications	Jedediah Harlan Cowley	Duane C. Roberts
Communications	Autumn Lorimer	Kevin Lamonte Stoker
Communications	Cara Nicole Ricks	Steven Riley Thomsen
Communications	Jacob Scott Terry	Quint Bryce Randle
Communications	Jason K. Wadsworth	Edward L. Carter
Counseling Psychology and Special Education	Bridger Lee Jensen	P. Scott Richards
Counseling Psychology and Special Education	Ethan Aaron Garofolo	William A. Barrett
Counseling Psychology and Special Education	Mark Stirling Gulbrandsen	Eric Karl Ringger
Counseling Psychology and Special Education	Nghia Cong Tran	Sean C. Warnick
Dance	Morgan Elizabeth Brungard	Hadd Patrick Debenham
Dance	Erica Burgin	Colleen N. West
Dance	Jana A. Burleson	Shani Michelle Robison
Dance	Stephanie Ann Haymore	Shani Michelle Robinson
Dance	Ananda Marie Henriksen	Colleen N. West
Dance	Dane Christian Laverty	Hadd Patrick Debenham
Dance	Rebecca Lynn Laws	Curt W. Holman
Dance	Quincy Mark Robinson	Colleen N. West
Dance	Craig L. Christianson	Aaron R. Hawkins
Electrical and Computer Engineering	Andrew B. Curtis	Randal Winston Beard
Electrical and Computer Engineering	Frank Earl Kelland	Travis Elgin Oliphant
Electrical and Computer Engineering	Jeffrey Daniel Maas	Aaron R. Hawkins
Electrical and Computer Engineering	Earl R. Parsons	Richard H. Selfridge
Electrical and Computer Engineering	Krystle Lyn Thiel	Richard H. Selfridge
Electrical and Computer Engineering	Nicole Wood	Aaron R. Hawkins
Economics	Stephen R. Done	Eric Raymond Eide
Economics	Jonathan Daines Hall	Mark H. Showalter
Economics	Dong-Jin Kim	Kerk Layne Phillips
Economics	Randall A. Lewis	James B. McDonald
English	Stephen David Grover	Patrick Charles Madden
English	Jacob M. Hodgen	Dennis R. Perry
English	Rachel Tate Hoggan	Sirpa T. Grierson
English	John M. Madsen	Gideon Omer Burton
Exercise Science	Sarah Ingebretsen	Iain Hunter
Exercise Science	Jared Kent Wilson	Kenneth Lloyd Knight
French and Italian	Robert Preston Hyatt	Jesse D. Hurlbut
French and Italian	Dennis Scott Meyer	Rich John Matthies
French and Italian	Jacob R. Parker	Rich John Matthies
Geography	Michael Jay Barber	John G.
Geography	Elizabeth Blanchet Euller Gillins	Ruth Kerry



Geography	Julia L. Matheny	Matthew F. Bekker
Geography	Emily Mieko Mitarai	James A. Davis
Geography	Benjamin J. Sykes	Matthew F. Bekker
Geography	Bonnie D. Williamson	Chad F. Emmett
Geography	Benjamin M. Wouden	Matthew F. Bekker
Geography	Thelma Marie Young	Chad F. Emmett
Germanic and Slavic Languages	Jeffrey Scott Bailey	Michelle Stott James
Germanic and Slavic Languages	Trevor M. Banks	Walter Whipple
Germanic and Slavic Languages	Daniel Craig Barnette	Robert B. McFarland
Germanic and Slavic Languages	Jakob N. Jarvis	Robert B. McFarland
Germanic and Slavic Languages	Maria Manzhos	Raissa Vulfovna Solovieva
Germanic and Slavic Languages	Nathan Andrew Orien	Walter Whipple
Germanic and Slavic Languages	Caleb S. Sainsbury	Robert B. McFarland
Germanic and Slavic Languages	Christine Swisher	Laura Catharine Smith
Germanic and Slavic Languages	Justin Fred White	Gary L. Browning
Germanic and Slavic Languages	Andrew M. Whitlock	Laura Catharine Smith
Harold B. Lee Library	David R. Choules	David J. Whittaker
Harold B. Lee Library	Aaron D. Disbrow	Mark LeRoy Grover
Harold B. Lee Library	Davido Loyal Hyer	Paul Bradford Westwood
Harold B. Lee Library	Andrew J. Lorimer	Paul Bradford Westwood
Harold B. Lee Library	Katrina Marie Noble	Janet Bradford
Harold B. Lee Library	William Gerrit van Dyk	David A. Day
History	Wesley Dunn Avery	Eric R. Dursteler
History	Blake Carman Clayton	Kendall W. Brown
History	Jacqueline Christine Du Plessis	George Richard Ryskamp
History	Cameron D. Jones	Kendall W. Brown
History	Michael F. Perry	Brian Q. Cannon
History	Russell W. Stevenson	Andrew L. Johns
Health Sciences	Jessica A. Allen	Gordon B. Lindsay
Health Sciences	Cameron R. Nelson	Kirk A. Dearden
Health Sciences	Adam Bruce Owens	Gordon B. Lindsay
Health Sciences	Thi Nguyen Pruitt	Hala Madanat
Health Sciences	Valerie Vee Strasburger	Stephanie Ann Fugal
Health Sciences	Heather Lynne Thomas	Hala Madanat
Humanities, Classics, and Comparative Literature	Rita Jane Berger	Roger Macfarlane
Humanities, Classics, and Comparative Literature	John Eric Bybee	George Browning Handley
Humanities, Classics, and Comparative Literature	Rachel E. Dollahite	Roger Macfarlane
Humanities, Classics, and Comparative Literature	Sheridan Gary Green	Roger Macfarlane
Humanities, Classics, and Comparative Literature	Fridrik Rafn Gudmudsson	Christopher P. Oscarson
Humanities, Classics, and Comparative Literature	Kimberly Roxanne Mays	Larry H. Peer
Humanities, Classics, and Comparative Literature	Jonathan Robert Rainey	Roger Macfarlane
Humanities, Classics, and Comparative Literature	David Kent Shelley	William Anthony Tortorelli
Integrative Biology	Tammy Behunin	Russell Ben Rader
Integrative Biology	Hailey Lyn Billings	Beverly L. Roeder
Integrative Biology	Julianne Burgstrom	Kent Allen Hatch
Integrative Biology	Emily S. Bybee	Michael F. Whiting
Integrative Biology	Bryt A. Christensen	Kent Allen Hatch
Integrative Biology	Scott A. Davis	Bruce A. Roundy
Integrative Biology	Jerry Daniel Fenn	Michael F. Whiting
Integrative Biology	Joseph G. Franckum	Kent Allen Hatch

Integrative Biology	Seth Matthew Goodman	Russell Ben Rader
Integrative Biology	Joseph H. Hanks	Wilford M. Hess
Integrative Biology	Limb Kemp Mataute Hapairai	Charles Riley Nelson
Integrative Biology	Monty A. Hawkins	Jack W. Sites
Integrative Biology	Cory Jules Heizenrader	Jerald B. Johnson
Integrative Biology	Samuel J. Hirt	Kent Allen Hatch
Integrative Biology	Jesse Wilson Holdaway	Kent Allen Hatch
Integrative Biology	James Overton Holt	Kent Allen Hatch
Integrative Biology	Mark C. Judson	Val Jo Anderson
Integrative Biology	Jason O. Kiene	Jerald B. Johnson
Integrative Biology	Robert John Kolts	Edward R. Wilcox
Integrative Biology	Sarah Lindquist	Rex G. Cates
Integrative Biology	Eric B. Olson	Beverly L. Roeder
Integrative Biology	Cynthia del Carmen Penaflor Diaz	Jerald B. Johnson
Integrative Biology	David A. Reay	Wilford M. Hess
Integrative Biology	Elliott G. Richards	Edward R. Wilcox
Integrative Biology	Tasia Christine Robertson	Jack W. Sites
Integrative Biology	Nestor Nicolas Rodriquez	Duke S. Rogers
Integrative Biology	Rebecca E. Schaeffer	Keith Alan Crandall
Integrative Biology	Laura E. Scott	Jerald B. Johnson
Integrative Biology	Justin M. Shannon	Jerran T. Flinders
Integrative Biology	Brock A. Sisson	Charles Riley Nelson
Integrative Biology	Alexander C. Wu	Kent Allen Hatch
Instructional Psychology and Technology	Isaku Tateishi	Dillon K. Inouye
Instructional Psychology and Technology	Kritine Kaye Whipple	David Wayne Williams
Information Systems	Corey P. Beahm	Wayne Edward Brickey
Information Systems	Aaron Stevens Read	Douglas L. Dean
Information Systems	Jeffrey S. Richardson	Conan Carl Albrecht
Information Systems	John S. Romney	Douglas L. Dean
Linguistics	Nicholas E. David	Diane Strong Krause
Linguistics	Rachel E. Hansen	Wendy Baker
Linguistics	Cassie Ann Keller	William G. Eggington
Linguistics	Jennifer Loring Morgan	Alan K. Melby
Mathematics	Meghan M. Dewitt	Darrin M. Doud
Mathematics	Nathan S. Manwaring	Tyler J. Jarvis
Mathematics Education	Heather Jean Bahlmann	Janet Guymon Walter
Mechanical Engineering	Sterling J. Anderson	Tracy W. Nelson
Mechanical Engineering	Todd Clinton Groesbeck	Scott L. Thomson
Mechanical Engineering	Andrew T. Hosford	Deryl O. Snyder
Mechanical Engineering	Joel E. Neff	Brian D. Jensen
Mechanical Engineering	Benjamin L. Pence	Scott L. Thomson
Mechanical Engineering	David J. Segrera	Tracy W. Nelson
Mechanical Engineering	Garnett Carlisle Smith	Matthew R. Jones
Mechanical Engineering	Kendall B. Teichert	Scott L. Thomson
Microbiology and Molecular Biology	Eric M. Barker	Alan R. Harker
Microbiology and Molecular Biology	Dana Blackburn	Byron James Adams
Microbiology and Molecular Biology	Erick Reece Christensen	Eric Wilson
Microbiology and Molecular Biology	Timothy S. Davie	Byron James Adams
Microbiology and Molecular Biology	Sheena Beth Deus	Donald P. Breakwell
Microbiology and Molecular Biology	Chris Catlett Duncan	Eric Wilson

Microbiology and Molecular Biology	Bryan Daniel Ellertson	Laura Clarke Bridgewater
Microbiology and Molecular Biology	Logan Fife Hazard	Brent Lynn Nielsen
Microbiology and Molecular Biology	Nathan Zachary Hicks	Laura Clarke Bridgewater
Microbiology and Molecular Biology	Brad Thomas Hyatt	Eric Wilson
Microbiology and Molecular Biology	Matthew David Johnson	Donald P. Breakwell
Microbiology and Molecular Biology	Jarin K. Leavitt	Eric Wilson
Microbiology and Molecular Biology	Jennifer Nelson	William S. Bradshaw
Microbiology and Molecular Biology	Jacob E. Pollard	William R. McCleary
Microbiology and Molecular Biology	Philip M. Scherer	Kim L. O'Neill
Microbiology and Molecular Biology	Michael S. Schurdell	William R. McCleary
Microbiology and Molecular Biology	Tiffany Taylor	Shauna C. Anderson
Microbiology and Molecular Biology	David William Timme	Laura Clarke Bridgewater
Microbiology and Molecular Biology	William M. Wittwer	Laura Clarke Bridgewater
Microbiology and Molecular Biology	Geoffrey G. Wood	Kim L. O'Neill
Music	Jeremy M. Bowen	Steven Leon Ricks
Music	Jennifer Lee Call	Anny Claudine Bigelow
Music	Sarah Louise Christensen	Ruth M. Christensen
Music	Adam Ray Crandell	E. Harrison Powley
Music	Emily Suzanne Duke	J. Arden Hopkin
Music	Ryan C. Moore	Steven Leon Ricks
Music	Sarah E Siebach	E. Harrison Powley
Music	Nathan William Watson	Ronald Paul Brough
Music	Catherine Eve Wernli	Andrew H. Dabczynski
Nutrition, Dietetics and Food Science	Toria McMullin	Robert T. Davidson
Nutrition, Dietetics and Food Science	Jessica R. Redd	Merrill J. Christensen
Nutrition, Dietetics and Food Science	Elizabeth M. Thomsen	Lora Beth Brown
Nutrition, Dietetics and Food Science	Brandon J. Valgardson	Robert T. Davidson
Nursing	Berkley James Walker	Frost M. Steele
Nursing	Camber M. Cooper	Erin D. Maughan
Nursing	Jennifer Lee Grigg	Troy W. Carlton
Nursing	Jana L. Halverstadt	Jane H. Lassetter
Nursing	Sarah Jackson	Catherine Coverston
Nursing	Cambria S. Jones	Lynn Clark Callister
Nursing	Trista G. Jones	Erin D. Maughan
Nursing	Elizabeth Marie Laney	Patricia Kay Ravert
Nursing	Meghan T. Lusk	Patricia Rushton
Nursing	Denise H. Mann	Sheri P. Palmer
Nursing	David James Phillips	Patricia Kay Ravert
Nursing	Jessica Marie Sainsbury	Erin D. Maughan
Nursing	Emily Sears	JoAnn Abegglen
Nursing	Holly June Willardson	Barbara L. Mandleco
Nursing	Pui See Jenny Yeung	Lynn Clark Callister
Organizational Leadership and Strategy	Emily Felsted Brady	Christopher B. Meek
Organizational Leadership and Strategy	Stanislav Getmanenko	Nile Wad Hatch
Organizational Leadership and Strategy	Junhan Goh	Nile Wade Hatch
Organizational Leadership and Strategy	Jonathan G. Mangum	Paul C. Godfrey
Organizational Leadership and Strategy	Chase McMillan	Kerry J. Patterson
Organizational Leadership and Strategy	Alexander Clark Romney	Hal B. Gregersen
Organizational Leadership and Strategy	Michael Kay Sharp	Hal B. Gregersen
Physics and Astronomy	William Joseph Ashby	Lawrence B. Rees

Physics and Astronomy	Amy E. Baker	Robert Steven Turley
Physics and Astronomy	Summerdal Beckstrand	Michael Deloss Joner
Physics and Astronomy	Hiram Jacob Conley	Robert Clinton Davis
Physics and Astronomy	Greg R. Doermann	Dallin S. Durfee
Physics and Astronomy	Mark W. Esty	Richard R. Vanfleet
Physics and Astronomy	Benjamin T. Hall	Lawrence B. Rees
Physics and Astronomy	Benjamin Michael Heaton	Bret C. Hess
Physics and Astronomy	Jaylan S. Jones	James P. Lewis
Physics and Astronomy	Jaron T. Krogel	James P. Lewis
Physics and Astronomy	Richard Moyle Marsh	James P. Lewis
Physics and Astronomy	Brian Neyenhuis	Dallin S. Durfee
Physics and Astronomy	Simeon A. Ning	David D. Allred
Physics and Astronomy	Justin R. Paul	Dallin S. Durfee
Physics and Astronomy	Brandon Lee Skinner	Timothy W. Leishman
Physics and Astronomy	Rebecca Faith Tang	Dallin S. Durfee
Physics and Astronomy	Mark Kenneth Transtrum	Jean-Francois VanHuele
Physics and Astronomy	Marshall Sebastian van Zijll	Dallin S. Durfee
Physiology and Developmental Biology	Brady D. Adams	Marc David Hansen
Physiology and Developmental Biology	Peter Brian Bell	Marc David Hansen
Physiology and Developmental Biology	Erica Bushnell	Marc David Hansen
Physiology and Developmental Biology	Lisa A. Higginbotham	Robert E. Seegmiller
Physiology and Developmental Biology	Allyson Jean Merrell	Robert E. Seegmiller
Physiology and Developmental Biology	Kenneth Wing Merrell	Robert E. Seegmiller
Physiology and Developmental Biology	Targhee James Morris	Bruce Herbert Woolley
Physiology and Developmental Biology	Mark David Newcomer	Robert E. Seegmiller
Physiology and Developmental Biology	Erin Dalene Olson	John David Bell
Physiology and Developmental Biology	Kristen H. Parker	John David Bell
Physiology and Developmental Biology	Matthew Martin Peterson	Sterling N. Sudweeks
Physiology and Developmental Biology	Brian Dallas Powell	Allan M. Judd
Physiology and Developmental Biology	Richard D. Swenson	David Busath
Physiology and Developmental Biology	Phuong Dao Mai Vu	John David Bell
Plant and Animal Sciences	Kristin Celeste Andelin	Craig Eliot Coleman
Plant and Animal Sciences	Christopher Stephen Balzotti	Richard Ellis Terry
Plant and Animal Sciences	Alan H. Chambers	Bradley Dale Geary
Plant and Animal Sciences	Holly Clayton	Richard O. Kellems
Plant and Animal Sciences	Spencer K. Hansen	Von Dale Jolley
Plant and Animal Sciences	Derrick James Reynolds	Peter J. Maughan
Plant and Animal Sciences	Christian B. Ricks	Craig Eliot Coleman
Philosophy	Larry C. Atkinson	David L. Paulsen
Philosophy	Wesley Adam Austen	David L. Paulsen
Philosophy	David James Linthorst	David L. Paulsen
Philosophy	Brett D. McDonald	David L. Paulsen
Philosophy	Tully Bradford Minoski	James Leslie Siebach
Philosophy	Cory Glen Walker	David L. Paulsen
Philosophy	William H. Weaver	David L. Paulsen
Political Science	Jana Dian Badger	Valerie M. Hudson
Political Science	Steven S. Brown	Daniel Edwards Damron
Political Science	Alan M. Hurst	Ralph C. Hancock
Political Science	Michael E. Johnson	Kirk Andrew Hawkins
Political Science	Christ H. Miller	Daniel L. Nielson

Political Science	Lindsay Nielson	Joseph Q. Monson
Political Science	Dustin R. Roses	Earl Howard Fry
Political Science	Anna Marie Sanders	Darren Greg Hawkins
Political Science	Melanie S. Walther	Jeremy Clayne Pope
Psychology	Nathaniel Harmer Bean	Bruce L. Brown
Psychology	Stephen D. Davis	Scott C. Steffensen
Psychology	Malia Lynette Horton	Scott C. Steffensen
Psychology	Lynn B. Lynes	Christopher Mer Layne
Psychology	Adriane Ito de Queiroz	Niwako Yamawaki
Psychology	David Chase Rogers	Scott C. Steffensen
Psychology	Edward K. Stevenson	Erin David Bigler
Psychology	David S. Taylor	Mark Douglas Allen
Psychology	Dennis C. Wendt	Brent Slife
Psychology	Jared A. Wilkerson	Harold L. Miller
Psychology	Margaret A. Wilkinson	Bonnie Ballif-Spanvill
Psychology	Jordan T. Yorgason	Scott C. Steffensen
School of Family Life	Tony Albano	Clyde Clark Robinson
School of Family Life	Nicole Margaret Kay	Susanne F. Olsen
School of Family Life	Caroline I. Crane	Ivan Felix Beutler
School of Family Life	James Clayton Reeder	Jeremy B. Yorgason
School of Family Life	Matthew Patrick Thorpe	Randal D. Day
Spanish and Portuguese	Solana Dawyn Messerly	Jeffrey Scott Turley
Spanish and Portuguese	Jared Spencer White	Dale Joseph Pratt
Social Work	Allyson Flake	Jini L. Roby
Social Work	Dara Belle-Irene Kruman	Jini L. Roby
Social Work	Allyson K. Ugolini	Shirley E. Nissen Cox
Teacher Education	Cheryl Ann Morris	Roni Jo Draper
Teacher Education	Destiny Lynn Turner	Candice L. Ridlon
Technology	Ryan J. Andersen	Jared Vernon Berrett
Technology	Jennifer Marie Connery	Michael Paul Miles
Technology	Hoan Do	Gordon Wilson Romney
Technology	Frederick W. Penrose	Gordon Wilson Romney
Technology	Jason B. Smith	Gordon Wilson Romney
Technology	Kevin Ka-Kit Wong	Gordon Wilson Romney
Theatre and Media Arts	Blake K. Johnson	Kelly T. Loosli
Theatre and Media Arts	Cort Hunter Kirksey	Eric Roy Samuelsen
Theatre and Media Arts	Charlotte Elizabeth Lundell	Mary Farahnakian
Theatre and Media Arts	Thomas G. Morrill	Thomas Blair Russell
Theatre and Media Arts	Matthew J. Schramer	Thomas Blair Russell
Visual Arts	Dru M. Bailey	Robert T. Barrett
Visual Arts	Bryan James Beus	Robert T. Barrett
Visual Arts	Matthew D. Chrislip	Eric A. Gillett
Visual Arts	Lesley Hallmark Colvin	Charles Mark Hamilton
Visual Arts	Robert Patrick Costello	Val W. Brinkerhoff
Visual Arts	Shari Ann Darley	Howard Warren Fullmer
Visual Arts	Kathryn Martha Elliott	Joseph Evan Ostraff
Visual Arts	Daniel B. Everett	Paul S. Adams
Visual Arts	Fan Feng	Cynthia S. Finlayson
Visual Arts	Emmalee Glauser	Robert T. Barrett
Visual Arts	Desarae Michael Lee	Donna Kay Beattie

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Anna Laurie Mackay  
Mindy Marie McDonald  
Jason Fites Metcalf  
Angela Nelson  
Anne Elizabeth Peterson  
Kelli M. Rane  
Becky Ravenberg Reed  
Gaylynn Lorene Ribeira  
Mario Ernesto Ruiz  
Michael J. Stanfill  
Shaun Paul Steele  
Jonathan Stonely  
Dana Lee Tanner  
Zachary D. Taylor  
Elliott D. Wise

Garold C. Barton  
Cynthia S. Finlayson  
Brian D. Christensen  
Richard Hull  
Mark J. Johnson  
Paul S. Adams  
Paul S.  
Richard Hull  
Paul S. Adams  
Paul S. Adams  
Linda Ann Sullivan  
Hagen G. Haltern  
Val W. Brinkerhoff  
Paul S. Adams  
Mark J. Johnson



# 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
Director:	Gary R. Reynolds
Associate Director:	Melvin J. Carr
Research Administrator:	Nancy A. Davis
Research Administrator:	Matthew D. Maddox
Office Manager/Secretary:	Christiane Crosby / Amy Lindsey
Part-time Secretaries:	Laurie Petty, Kylie Simmons, Katie Lauritzen, Jessica Huang, Brooke Harris, Heather Brown

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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