

OFFICE OF RESEARCH AND PROJECT ADMINISTRATION

ANNUAL REPORT
OF
SPONSORED PROGRAM ACTIVITIES

Fiscal Year 2004

UNIVERSITY OF ROCHESTER

INTRODUCTION

This report, prepared by the Office of Research and Project Administration (ORPA), provides an overview of sponsored program activities for the fiscal year ending June 30, 2004. An Executive Summary of the information contained herein may be found at www.rochester.edu/orpa. This Annual Report provides the detail behind the executive summary, as well as other statistics of interest.

Revenue from sponsored program activities, vital to the sustaining of research and graduate programs, remains an essential component of the University's current fund expenditure and general budget. The University consistently finds itself in the top thirty of colleges and universities receiving funding for research and other sponsored activities. Our continued high ranking is a significant indicator of the quality of the research conducted, of the faculty who perform such research at the University, and of the staff who support their efforts in laboratories and offices throughout the University.

Statistics on proposals submitted and awards accepted are used as a primary point of reference in this report. These statistics portray sponsored programs funding requested and received in the current fiscal year and will, over time, provide an indication of funding trends. Expenditure statistics are also presented. These latter data not only provide an indication of the level of expenditure for research, training, and other associated sponsored program activities at the University, but also a basis for comparison with other colleges and universities nationwide. The expenditures reported may differ slightly from the University's end-of-year financial statements. These differences are reconciled by various ledger adjustments and other transfers. In addition, there are departmental research activities conducted with funds from gifts or direct University funding. These activities are not reflected in this report.

Comments about the report and suggestions for future improvements are welcomed. Additional copies of the report may be obtained by contacting Gerri Wind at x55373 or by downloading a copy from the ORPA website located at <http://www.rochester.edu/orpa>.

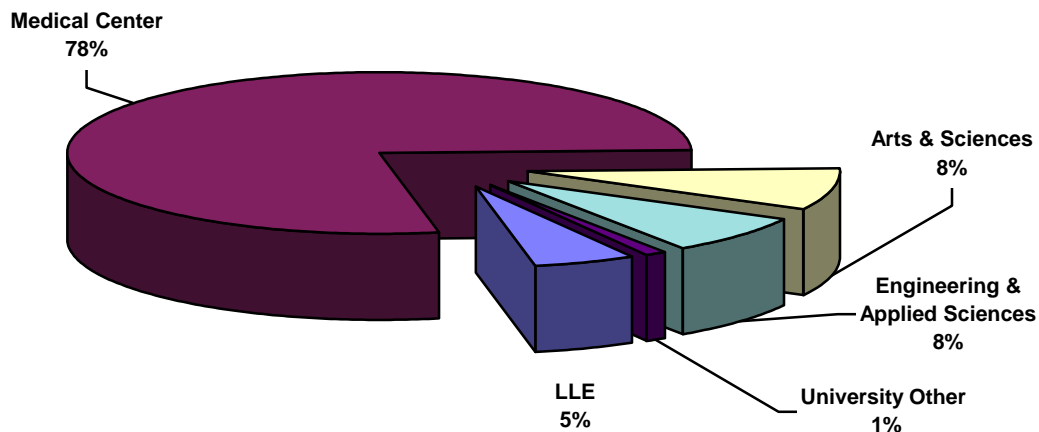
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PROPOSAL AND AWARD ACTIVITY

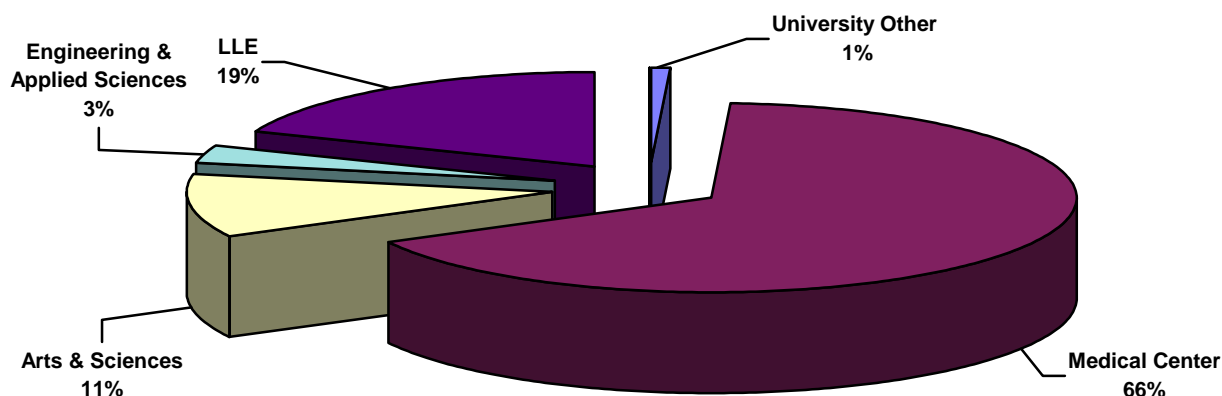
While the expenditure statistics noted later in this report have been the historical basis for measuring the University's sponsored program levels, information on proposal and award activities provides another measurement of current and future trends in external funding for project support.

Chart A
Dollar Value of Proposals Submitted - FY 2004



The School of Medicine and Dentistry submits the majority of proposals and, as is also indicated in the award statistics, receives the preponderance of sponsored program funding. On an overall University basis, over **2,013** new, continuation, and renewal proposals were submitted in FY 2004 for sponsored program funding. In FY 2004 **2,493** award actions were processed by ORPA. These award actions include new and renewal awards, noncompeting continuations, extensions of the award termination date, and other administrative modifications made by the sponsoring agency.

Chart B
Awards Dollars Received - FY 2004



The first two tables that follow provide information on a college, school or division basis for proposals submitted and awards received in the five most recent fiscal years. It should be noted that the proposal amounts requested include the entire project period of the proposal for new or competing renewal proposals. Awarded amounts, however, indicate only amounts actually received regardless of whether additional funds are anticipated. Additionally, neither of the tables includes funds requested or received for direct student financial aid. On an annual basis, both the dollar values of proposals submitted and awards received should be viewed with some caution, as those actions are dependent upon program announcements, funding trends, availability of funds, and timing of award actions.

Table 1
Proposals – Total Amount Requested
(Dollars in thousands)

College/School/Division	FY2000	FY 2001	FY 2002	FY 2003	FY 2004
<i>Medical Center</i>					
Medicine & Dentistry	\$625,052	\$702,062	\$729,717	\$893,177	\$978,526
Nursing	20,702	14,782	20,578	18,826	22,370
Eastman Dental Center	0	0	34	0	0
Hospitals and Clinics	675	5,873	593	2,909	2,862
Medical Center Administration	4,112	4,149	0	4,760	126
<i>The College</i>					
Arts and Sciences	98,640	130,722	158,160	141,809	107,367
Engineering & Applied Sciences	70,120	72,607	34,831	81,148	99,074
<i>Other Schools and Divisions</i>					
Laboratory for Laser Energetics	34,862	34,361	264,671 ¹	16,709	68,320
Warner School of Education	10,744	3,428	3,528	2,403	10,338
Memorial Art Gallery	515	1,123	466	240	121
Simon School of Business	488	50	696	138	83
Eastman School of Music	0	0	1,475	0	240
University Other	457	965	708	2,953	4,555
TOTAL	\$866,367	\$970,122	\$1,215,457	\$1,165,072	\$1,293,982

Source: UR-Coeus Sponsored Programs Management Database

¹This includes the renewal proposal for the DOE-UR Cooperative Agreement

Table 2
Awards – Annual Funding Received
(Dollars in thousands)

College/School/Division	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004
<i>Medical Center</i>					
Medicine & Dentistry	\$132,160	\$165,215	\$164,293	\$196,633	\$213,961
Nursing	1,050	3,423	2,570	4,250	6,417
Hospitals and Clinics	366	379	1,039	1,320	756
Medical Center Administration	67	0	50	295	200
<i>The College</i>					
Arts and Sciences	36,163	29,034	28,041	40,301	35,404
Engineering & Applied Sciences	15,576	11,470	16,451	16,441	10,306
<i>Other Schools and Divisions</i>					
Laboratory for Laser Energetics	32,704	38,265	36,929	47,124	62,875
Warner School of Education	646	722	2,347	844	1,284
Memorial Art Gallery	403	65	259	311	176
Simon School of Business	217	190	70	97	58
Eastman School of Music	0	0	375	434	347
University Other	461	173	362	83	1,279
TOTAL	\$219,813	\$248,936	\$252,786	\$308,133	\$333,063

Source: UR-Coeus Sponsored Programs Management Database

Notes for Tables 1 and 2:

- In Table 1, amounts requested include the entire project period of the proposal for new or competing renewal proposals and may fluctuate due to large program requests.
- Funding received in Table 2 indicates actual amount awarded which is usually for periods of one year or less. Future year commitments are not included.
- University Other includes Rush Rhees Library, Susan B. Anthony Center and University Central Administration.

As indicated in Chart D on page 16, the federal government is the primary source of sponsored program funding. However, the University receives significant funding from New York State government, foundations, corporate sponsors and individuals. Table 3 provides funding information on University sponsors that provided \$1,000,000 or more in FY 2004.

Table 3
Sponsors Awarding \$1,000,000 or More Annually
FY 2004

Sponsor Name	Dollars Awarded	Direct \$	Indirect \$
DHHS/PHS/NIH	\$155,532,091	\$109,320,805	\$46,211,286
Department of Energy ¹	65,392,673	42,156,021	23,236,652
National Science Foundation	12,191,878	8,758,212	3,433,666
Amgen, Inc	7,084,048	6,394,719	689,329
NYS/Health	5,878,733	5,606,238	189,162
Cephalon, Inc.	4,624,232	3,571,515	1,052,717
CNTY/Monroe/Social Svcs	2,857,233	2,683,473	173,760
American Cancer Society	2,420,839	1,970,421	450,418
UNIV/Washington	2,316,886	1,550,942	765,944
Prestwick Pharmaceuticals, Inc.	2,311,780	1,778,292	533,488
Anonymous 113	2,219,674	2,219,674	0
DOD/ARMY/ARO	1,900,707	1,320,708	579,999
DHHS/PHS/HRSA	1,841,187	1,732,308	108,879
DOD/AF/AFOSR	1,672,952	1,266,836	406,116
Pharmacia & Upjohn	1,607,592	1,256,626	350,966
Kauffman Foundation	1,570,000	1,570,000	0
Health Research Inc	1,527,976	1,290,863	237,113
AMDeC Foundation, Inc.	1,190,433	1,035,159	155,274
DHHS/PHS/CDC	1,177,437	747,438	429,999
Teva Pharmaceuticals	1,126,276	870,355	255,921
DOD/NAVY/ONR	1,099,433	891,267	208,166
DHHS/PHS/AHRQ	1,097,398	860,410	236,988
High Q Foundation	1,050,369	1,050,369	0
UNIV/RIT	1,028,136	694,436	333,700
NYS/Mental Health	1,012,300	1,005,091	7,209
Grand Total:	\$281,642,263	\$201,602,178	\$80,040,085

Source: UR-COEUS Sponsored Programs Management Database

¹LLI funding is set up in 'undesignated' when the Notice of Award is generated. Office of Research Accounting and Costing Standards handles the distribution between Direct Costs and Indirect Costs in the University's financial system (FRS)

Table 4 provides information on the number of active projects in University colleges, schools or other units. This number encompasses all types of sponsored activities and may include awards received prior to FY 2004. This table does not include funding for undergraduate financial aid.

Table 4
Summary of Active Projects
As of 6/30/04

College/School/Division	Number of Active Projects
Arts & Sciences	314
Engineering & Applied Sciences	136
Warner School of Education	15
Simon School of Business	4
Medicine & Dentistry	1,869
Nursing	39
Strong Memorial Hospital	7
Medical Center Administration	3
Eastman School of Music	3
Memorial Art Gallery	17
River Campus General	10
University General	4
TOTAL ACTIVE PROJECTS	2,421

Source: UR-COEUS Sponsored Programs Management Database So

SPONSORED PROGRAM AWARDS BY PURPOSE

The table below illustrates the breakdown of awards by purpose. Research remains the primary component of sponsored program awards. In contrast to the expenditure figures reported later in this report, sponsored program award statistics do not include financial aid.

Table 5
Total Sponsored Program Awards
By Purpose
(Dollars in thousands)

Purpose	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004
Research	\$157,942	\$188,696	\$196,859	\$232,426	\$247,114
Clinical Research ¹	N/A	N/A	N/A	3,740	13,610
Fellowships & Training	17,995	22,451	17,631	27,484	27,630
Clinical Drug Trials	25,023	25,081	24,100	23,545	24,791
Libraries & Museums	214	65	525	349	636
Conference & Travel	221	205	77	234	133
Equipment	1,009	1,485	307	2,524	1,194
Miscellaneous Activities	17,409	10,953	13,277	17,831	17,955
TOTAL	\$219,813	\$248,936	\$252,786	\$308,133	\$333,022

¹The University of Rochester Medical Center began tracking clinical research on January 1, 2003 for new awards only

Source: UR-Coeus Sponsored Programs Management Database

Definitions:

Research includes all projects whose primary purpose is research that does not involve patient contact.

Clinical Research includes projects that fall into one of three categories: 1) patient-oriented research that directly interacts with human subjects; 2) epidemiological and behavioral studies; and 3) outcomes research and health services research.

Fellowships and Training include those awards made for the purpose of providing direct student training support in research related programs. This category does not include graduate research assistantships funded as a part of individual research grants.

Clinical Drug Trials include only those sponsored by pharmaceutical corporations and the federal government. Joint research studies/clinical trials appear in the Research category.

Libraries & Museums include support for the activities of the library and university-related museums.

Conference & Travel includes support for conferences, symposia and workshops to discuss recent research or education findings.

Equipment includes both the acquisition and development of research instrumentation and facilities.

Miscellaneous Activities include various outreach activities of the University, public service, analytical services, and curriculum development activities.

OVERVIEW OF SPONSORED PROGRAMS EXPENDITURES

In Fiscal Year 2004, the University of Rochester expended in excess of \$305 million for sponsored activities, an increase of 9 percent from fiscal year 2003.

Chart C
Sponsored Program Expenditures
Total University
(Dollars in thousands)

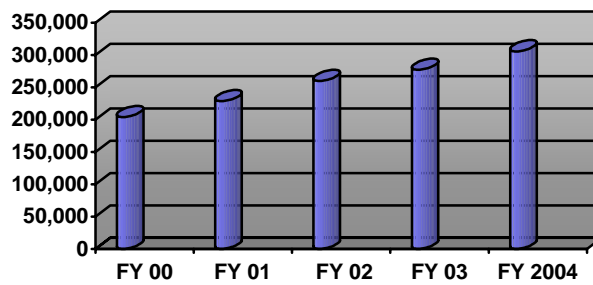


Table 6
Sponsored Program Expenditures
Total University
(Dollars in thousands)

	FY 2000	FY2001	FY2002	FY2003	FY 2004
Total University	\$204,050	\$228,728	\$260,093	\$277,262	\$305,720

Source: University Accounting System Report ABQ361

SPONSORED PROGRAM EXPENDITURE BY
COLLEGE / SCHOOL / DIVISION

Table 6.1 and supporting tables provide a breakdown of expenditures by college, school or division.

Table 6.1
Total Sponsored Program Expenditures by College/School/Division¹
(Dollars in thousands)

College/School/Division	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004
<i>Medical Center</i>					
Medicine & Dentistry	\$121,357	\$143,777	\$162,163	\$179,483	\$201,178
Nursing	1,486	1,776	2,449	4,025	4,733
Hospitals and Clinics	329	1,291	754	1,155	1,056
Medical Center Administration ²	-38	25	3,992	203	308
<i>The College</i>					
Arts and Sciences	30,546	30,286	32,135	31,406	34,937
Engineering & Applied Sciences	12,707	14,287	14,284	14,660	12,983
<i>Other Schools and Divisions</i>					
Laboratory for Laser Energetics	32,670	31,845	38,269	39,259	43,581
Warner School of Education	468	580	1,154	1,391	1,765
Memorial Art Gallery	215	284	228	356	245
Simon School of Business	215	211	42	206	57
Eastman School of Music	398	405	685	818	760
University Other ³	3,697	3,961	3,938	4,300	4,117
TOTAL	\$204,050	\$228,728	\$260,093	\$277,262	\$305,720

Source: University Accounting System Report ABQ361

¹Includes facilities & administrative costs.

²Includes Eastman Dental Center (Department of Community Dentistry)

³Includes funding for undergraduate student financial aid.

Table 6.2.1
Total Sponsored Program Expenditures
The College
(Dollars in thousands)

Arts and Sciences	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004
Dean's Office	\$739	\$0	\$179	\$171	\$111
Anthropology	0	0	0	0	0
Art and Art History	191	26	39	34	24
Biology	3,486	3,747	3,722	3,523	3,665
Brain & Cognitive Sciences	1,789	2,370	2,786	3,022	5,116
Chemistry	3,953	3,029	3,239	2,934	3,462
Clinical and Social Sciences in Psychology	5,073	5,491	6,319	5,889	5,587
Computer Science	2,226	2,170	2,715	2,402	3,280
Earth and Environmental Sciences	682	774	689	705	1,122
Economics	18	-21	0	0	0
English	52	40	19	64	69
History	0	0	0	0	0
Linguistics	30	24	18	18	21
Mathematics	331	381	274	363	347
Modern Languages and Cultures	0	0	0	0	0
Philosophy	3	142	3	2	24
Physics and Astronomy	9,337	9,109	9,000	8,379	7,397
Political Science	13	0	7	2	2

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Arts and Sciences cont'd	FY 2000	FY2001	FY 2002	FY 2003	FY 2004
Undergraduate Studies	NR	307	334	412	314
Visual Science	1,346	2,066	2,364	2,665	3,829
Wallis Institute of Political Economy	1,277	631	429	821	567
Subtotal	\$30,546	\$30,286	\$32,135	\$31,406	\$34,937

Source: University Accounting System Report ABQ353

Table 6.2.2
Total Sponsored Program Expenditures
The College
(Dollars in thousands)

Engineering & Applied Sciences	FY 2000	FY2001	FY 2002	FY 2003	FY 2004
Center for Future Health	79	853	926	1,060	1,275
Biomedical Engineering	NA	675	974	730	799
Chemical Engineering	1,764	1,299	792	705	695
Electrical & Computer Engineering	2,689	2,909	2,827	3,016	2,620
Mechanical Engineering	903	402	162	363	691
Optics	2,701	3,525	4,196	4,296	3,667
Center for Electronic Imaging Systems ¹	NA	NA	1,617	2,080	2,072
Center for Optoelectronics & Imaging ²	4,571	4,624	2,790	2,410	1,164
Subtotal	\$12,707	\$14,287	\$14,284	\$14,660	\$12,983
 TOTAL THE COLLEGE	 \$40,887	 \$39,940	 \$43,253	 \$44,573	 \$48,219

¹Prior to FY 2002, expenditures for CEIS were included under COL.

²During FY 2002, CEIS expenditures were moved into a separate designation.

Source: University Accounting System Report ABQ 353

Table 6.3

**Total Sponsored Program Expenditures
School of Medicine and Dentistry
(Dollars in thousands)**

Medicine and Dentistry	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004
Dean's Office	\$3,176	\$2,527	\$3,013	\$2,542	\$1,636
Anesthesiology	853	1,059	1,355	593	942
Biochemistry and Biophysics	6,437	7,145	8,292	8,872	9,110
Biomedical Genetics (previously Center for Cancer Biology)	231	851	1,298	2,404	3,095
Biostatistics	542	437	308	986	1,742
Cancer Center	2,938	2,601	2,303	7,369	10,353
Center for Human Genetics & Molecular Pediatric Disease	NA	NA	0	1,612	2,236
Center for Oral Biology	4,680	5,054	4,930	4,497	5,304
Center for the Study of Rochester's Health	NA	901	767	1,230	1,632
Center for Vaccine Biology	974	1,670	2,951	4,798	6,656
Center on Aging	770	51	68	107	-18
Center for Aging and Developmental Biology	2,876	6,633	6,015	6,479	8,221
Eastman Dept. of Dentistry	887	649	890	1,199	1,252
Clinical Research Institute	8	0	0	4	-4
Community and Preventive Medicine	2,753	3,548	4,201	3,453	3,952
Dermatology	1,499	1,553	1,542	1,614	1,566
Eastman Dental Center ¹	236	43	NA	NA	NA
Emergency Medicine	236	435	378	428	623
Environmental Medicine	7,282	9,033	10,101	10,861	10,166
Family Medicine	895	1,960	2,096	2,309	2,529
Genetics	285	133	561	20	0
Medicine	23,493	28,727	31,330	29,174	31,617

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¹These expenditures represent clinical expenditures for the Community Dentistry Outreach Programs of EDC. Beginning in FY 2002, these expenditures are being reported under Medical Center Administration.

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Medicine and Dentistry cont'd	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004
Microbiology and Immunology	5,886	7,652	7,921	8,459	8,489
Neurobiology and Anatomy	4,061	3,947	5,001	4,808	5,540
Neuroendocrinology	698	0	0	0	0
Neurology	14,716	18,745	18,270	23,171	26,885
Neurosurgery	41	152	2,100	2,226	2,987
Obstetrics and Gynecology	2,915	3,423	3,049	3,114	4,193
Ophthalmology	841	907	1,096	572	654
Orthopaedics	1,571	1,642	2,029	2,157	3,012
Pathology	3,153	1,963	2,057	3,487	3,981
Pediatrics	12,382	13,809	15,958	15,656	16,982
Pharmacology and Physiology	7,000	6,202	7,175	8,221	7,707
Physical Medicine and Rehab	163	197	88	56	55
Psychiatry	2,257	3,739	6,370	8,245	8,943
Radiology	1,090	1,080	1,386	1,574	2,194
Radiation Oncology	1,049	1,659	1,635	1,147	990
Surgery	2,176	2,692	4,124	4,424	4,071
Urology	315	245	708	1,024	945
SMD Other ¹	NA	713	798	591	940
TOTAL	\$121,357	\$143,777	\$162,261	\$179,483	\$201,178

Source: University Accounting System Report ABQ353

¹Includes Medical Student Financial Affairs Office and Offices for Medical Education

DIRECT COSTS AND F&A COSTS EXPENDITURES

The University recovers the costs of its sponsored program expenditures in two ways; direct costs and facilities & administrative (F&A) costs. Table 7.1 and Table 7.2 indicate the breakdown by college, school or division for these two cost categories.

Expenditures vary from year to year because of changes in the government's interests and needs and types of programs. Recovery of F&A costs is a function of direct cost expenditures. Such recovery is subject to variation as well as to changes in rates, types of direct costs supported by sponsors (e.g., salaries vs. equipment), amounts subcontracted to other institutions, sponsor policies, and cost allowability as determined by federal regulations and audit practices.

Table 7.1
Direct Cost Expenditures
(Dollars in thousands)

College/School/Division	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004
<i>Medical Center</i>					
Medicine & Dentistry	\$91,739	\$108,508	\$121,836	\$133,215	\$151,156
Nursing	1,226	1,348	1,878	3,351	3,854
Hospitals and Clinics	310	1,273	738	1,138	1,042
Medical Center Administration	-39	21	3,889	206	284
<i>The College</i>					
Arts and Sciences	24,088	23,745	25,446	24,173	27,355
Engineering & Applied Sciences	9,957	11,144	11,273	11,433	9,836
Laboratory for Laser Energetics	25,967	24,763	29,947	30,702	34,330
Warner School of Education	434	532	1,043	1,253	1,527
Simon School of Business	177	166	49	158	57
Eastman School of Music	398	405	685	818	759
Memorial Art Gallery	215	284	228	356	245
University Other	3,697	3,952	3,395	4,274	4,087
TOTAL	\$158,169	\$176,141	\$200,947	\$211,077	\$234,532

Source: University Accounting System Report ABQ361

Table 7.2
Facilities & Administrative Costs Recovery
(Dollars in thousands)

College/Unit	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004
<i>Medical Center</i>					
Medicine & Dentistry	\$29,618	\$35,269	\$40,425	\$46,268	\$50,022
Nursing	260	428	571	674	879
Hospitals and Clinics	19	18	16	16	14
Medical Center Administration	1	4	5	-3	24
<i>The College</i>					
Arts and Sciences	6,458	6,541	6,780	7,234	7,582
Engineering & Applied Sciences	2,750	3,143	2,921	3,228	3,147
Laboratory for Laser Energetics	6,703	7,082	8,322	8,557	9,251
Warner School of Education	34	48	111	137	238
Simon School of Business	38	45	-7	48	0
Eastman School of Music	0	0	0	0	1
Memorial Art Gallery	0	0	0	0	0
University Other	0	9	2	26	30
TOTAL	\$45,881	\$52,589	\$59,146	\$66,185	\$71,188

Source: University Accounting System Report ABQ361

SPONSORED PROGRAM EXPENDITURES BY FUNDING AGENCY

While the federal government is the primary source of sponsored program funding, the University receives project support from many other sponsors. The chart below depicts the major sponsor groups. Tables 8.1 and 8.2, which indicate the total University expenditures by type of funding agency and by federal agency, show some variation over time, most notably the increase in corporate support. That increase is due primarily to the placement of clinical drug studies at the University's School of Medicine and Dentistry.

Chart D
Expenditures by Agency Type – FY 2004

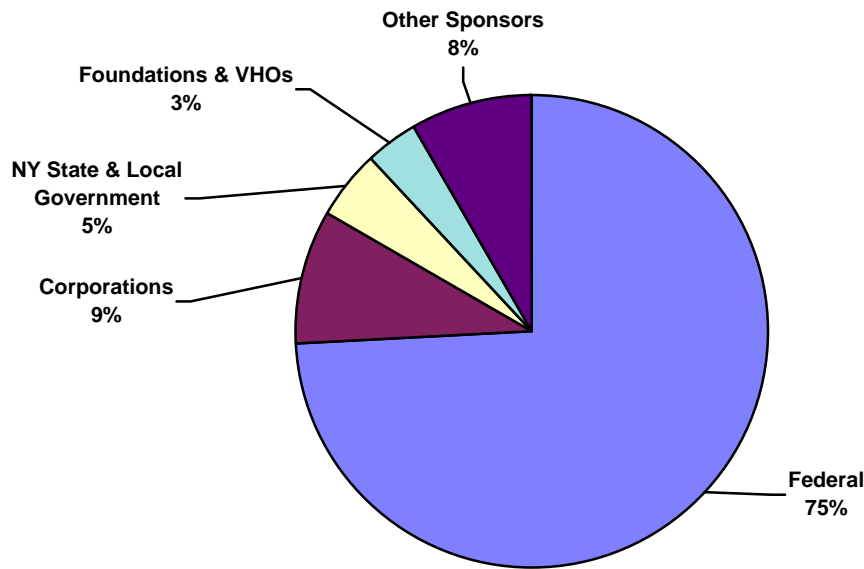


Table 8.1
Sponsored Program Expenditures
By Agency Type
(Dollars in thousands)

Agency Type	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004
Federal	\$150,055	\$165,565	\$193,086	\$204,955	\$226,737
Corporations	17,698	23,867	24,653	25,303	27,919
NY State & Local Government	11,754	10,626	12,172	13,279	14,750
Foundations & Voluntary Health Organizations	9,350	10,806	12,879	13,178	10,485
Other Sponsors ¹	15,193	17,864	17,303	20,547	25,829
TOTAL	\$204,050	\$228,728	\$260,093	\$277,262	\$305,720

Source: University Accounting System Report ABM123

¹Other sponsors include national laboratories and other non-profit institutions (including subcontracts from other colleges and universities). The majority of these funds result from federal funding to a primary sponsor for whom the University is a subrecipient.

Table 8.2
Sponsored Program Expenditures
By Federal Agency
(Dollars in thousands)

Federal Agency	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004
Public Health Service (includes NIH)	\$90,193	\$106,293	\$124,454	\$135,184	\$151,862
Department of Energy	35,430	33,749	41,158	42,343	47,435
National Science Foundation	9,681	8,196	8,021	8,409	12,029
Department of Defense	7,399	9,617	9,047	9,229	6,477
Department of Education	4,793	4,639	5,856	6,171	5,816
National Aeronautics and Space Administration	1,406	947	1,664	1,244	631
NEA/NEH ¹	72	40	40	81	105
Other Sponsors	1,081	2,084	2,846	2,294	2,382
TOTAL	\$150,055	\$165,565	\$193,086	\$204,955	\$226,737

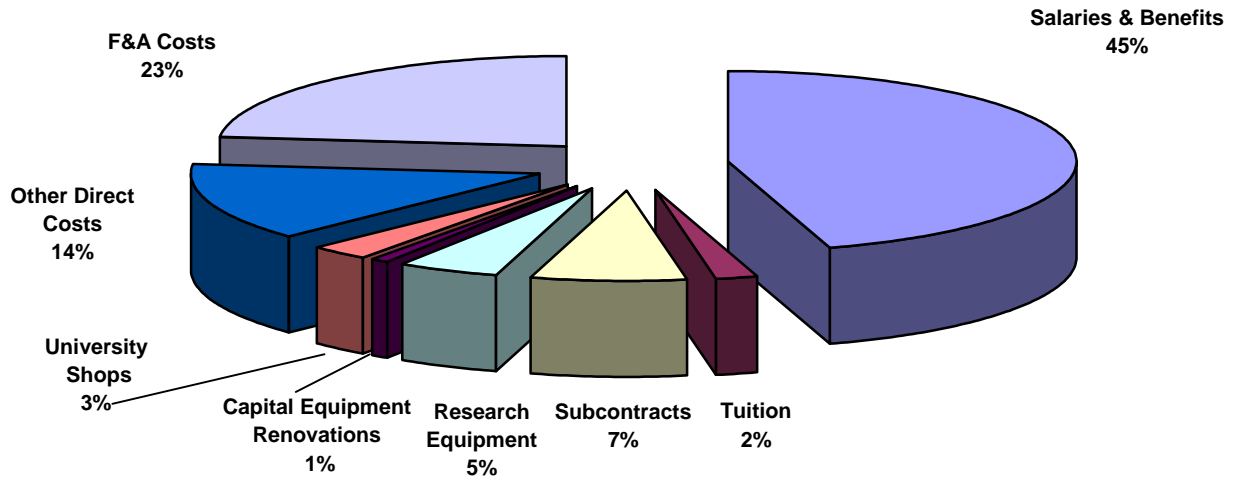
Source: University Accounting System Report ABM123

¹National Endowment for the Arts and Humanities

SPONSORED PROGRAM EXPENDITURES BY COST ELEMENT

The chart below and its supporting Table 9 indicate the expenditure of funds by major cost element. Sponsored program expenditures for FY 2004 included approximately \$44 million for faculty salaries, \$12 million for graduate student salaries and stipends and \$1 million for undergraduate student salaries.

**Chart E
Expenditures by Cost Element -- FY 2004**



**Table 9
Sponsored Program Expenditures by Cost Element
(Dollars in thousands)**

Cost Element	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004
Salaries & Benefits	\$91,701	\$102,702	\$115,737	\$127,785	\$138,003
Tuition	5,805	5,648	6,242	6,842	6,699
Subcontracts	11,883	14,319	16,093	16,652	21,385
Research Equipment	17,448	15,434	17,728	15,373	15,175
Capital Equipment/Renovations	95	139	4,103	649	2,505
University Shops	4,690	5,271	6,425	6,698	8,346
Other Direct Costs ¹	26,549	32,626	34,619	37,078	42,419
Total Direct Costs	158,171	176,139	200,947	211,077	234,532
Facilities & Administrative Costs	45,879	52,589	59,146	66,185	71,188
TOTAL	\$204,050	\$228,728	\$260,093	\$277,262	\$305,720

¹“Other Direct Costs” includes adjustment made for “Expense Credits” category. “Other Expense Credits” represents transfers and other adjustments in ledger 5 accounts.

Source: University Accounting System Report ABQ361

THE UNIVERSITY'S RANKING AMONG ITS PEERS

The University's ranking of its sponsored program activities compared with colleges and universities nationwide is illustrated in the following statistics. **Please note: The latest figures for this set of information are FY 2003 data. These were not available at the time of this printing. Therefore, FY 2002 data is used in all but one category. This page and the following page will be updated with FY 2003 data when it becomes available, and will be posted on the ORPA website (<http://www.rochester.edu/ORPA/>).**

On An Expenditure Basis¹

- **30th** in Federally financed research and development (R&D) expenditures at universities and colleges: fiscal year 2002
(31st in FY 2001)
- **23rd** in Industry-sponsored R&D expenditures at universities and colleges: fiscal year 2002
(24th in FY 2001)
- **15th** among private universities

On An Obligation Basis²

- **30th** in Federal obligations for science and engineering R&D: FY 2002
(28th in FY 2001)
- **27th** in Federal obligations for fellowships, traineeships, and training grants: FY 2002
(29th in FY 2001)
- **3rd** in Federal obligations for science and engineering to New York universities and colleges: FY 2002 *(rank order: Columbia, Cornell, and Rochester)*
- **30th** in NIH extramural awards to medical schools: FY 2003
(28th in FY 2002)

The Carnegie Foundation for the Advancement of Teaching places the University of Rochester in the category Research Universities I. Institutions in this category offer a full range of baccalaureate programs, are committed to graduate education through the doctorate level, and give high priority to research. They award fifty or more doctoral degrees each year and they receive \$40 million or more in federal support.

¹ Expenditure statistics are reported to the National Science Foundation by the University and are based on year-end accounting reports for a given fiscal year.

² Obligation statistics are reported to the National Science Foundation by federal agencies and are based on an agency's commitments during a federal fiscal year.

Table 10
FY 2002 Federal Obligations for Science and Engineering
Research and Development
(Dollars in thousands)

Rank	Institution	Total Obligations
1	Johns Hopkins University	1,136,498
2	University of Washington	576,735
3	University of Pennsylvania	479,852
4	University of Michigan	456,825
5	University of California Los Angeles	439,766
6	Stanford University	409,122
7	University of California San Diego	408,739
8	University of Wisconsin Madison	393,625
9	University of California San Francisco	386,918
10	Washington University at St. Louis	381,484
11	Columbia University	372,920
12	University of Colorado	358,439
13	Harvard University	356,534
14	Duke University	355,278
15	University of Pittsburgh	351,409
16	Yale University	334,392
17	University of North Carolina Chapel Hill	329,046
18	Cornell University	327,452
19	University of Minnesota	326,526
20	Pennsylvania State University	317,795
21	Baylor College of Medicine	304,594
22	Massachusetts Institute of Technology	291,012
23	University of Southern California	268,151
24	University of Alabama Birmingham	240,043
25	Vanderbilt University	236,272
26	Case Western Reserve University	224,186
27	University of California Berkeley	222,117
28	University of Illinois at Urbana-Champaign	220,124
29	University of California Davis	207,525
30	University of Rochester	203,199

Source: National Science Foundation/SRS, Survey of Federal Science and Engineering Support to Universities, Colleges and Nonprofit Institutions, Fiscal Year 2002

OUTLOOK FOR FY 2005

Nearly two months late, Congress approved and the President is expected to sign a \$388 billion spending bill for the 2005 fiscal year. Included in the bill is a mandated across the board cut of 0.83 percent in all non-defense and non-homeland security spending. Under the bill, spending on basic defense research would grow by 7.8 percent to \$1.5 billion and applied defense research would grow by 12 percent to \$4.9 billion. Roughly 60 percent of the Department of Defense basic-research funds and 14 percent of its applied-research funds have gone to academic scientists in past years, mostly in engineering and physical sciences.

As in FY 2004, most DOD funding will go to defense and homeland security. Research spending at the Department of Homeland Security will rise by 15 percent, to \$1.2 billion. However, the allotment for fellowships and centers for homeland-security research will fall by more than half to \$30 million from the \$70 million appropriated in FY 2004. Within the health category, the bulk of the funding (\$28.3 billion) is targeted to the National Institutes of Health, the largest component of the Department of Health and Human Services, and the largest single source of funds for university research. This budget is just 2 percent above last year's funding level. Within the NIH, the biggest increase will go to the National Institute of Allergy and Infectious Diseases, which supports biodefense research and laboratory construction, among other things. That institute will receive a \$137 million increase to \$4.4 billion, followed by the National Heart, Lung and Blood Institute at \$3.0 billion. Most NIH institutes will receive increases between 1.6 and 2.5 percent. Despite Congressional promises to double the agency's budget by 2007, funding for research and related activities at the National Science Foundation will decrease by 0.8 percent or \$32 million to \$4.2 billion. Spending on aeronautics research and development at the National Aeronautics and Space Administration would fall by \$229 million from FY 2004 to \$15.9 billion. Within the Department Of Energy's Office of Science, the department's principal provider of funds for academic research, funding would rise to \$3.6 billion, 2.8 percent more than last year. The proposal for the Department of Agriculture would more than triple the amount of money spent on projects devoted to homeland security but cut other research by nearly 20 percent. The Department of Veterans Affairs has received a R&D budget increase of 3.8 percent. The Department of the Interior would see a 2.2 percent increase in its R&D budget to \$11 billion. The National Endowment for the Arts and the National Endowment for the Humanities both received funding increases; NEA would grow by \$2 million, to \$123 million, and NEH would receive a \$4.7 million increase, the largest in 20 years. The Environmental Protection Agency and the Department of Commerce will see a decrease in their FY 2005 R&D budgets.

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