

TABLE 53. Total and federally financed R&D expenditures in the biological sciences at universities and colleges, ranked by FY 2005 total for the first 100 institutions: FY 2002–05

(Dollars in thousands)

Rank	Institution	Total				Federally financed			
		2002	2003	2004	2005	2002	2003	2004	2005
	All institutions	6,600,059	7,380,830	8,148,113	8,845,701	4,421,964	5,016,122	5,740,065	6,194,420
1	Scripps Research Institute, The	NA	NA	307,910	338,634	NA	NA	236,989	272,969
2	Baylor C. of Medicine	217,202	237,343	237,838	235,747	165,271	187,069	185,576	175,008
3	Washington U. St. Louis	161,833	191,076	178,256	188,459	130,449	160,931	147,027	154,543
4	U. PA	155,680	162,352	170,081	183,039	125,800	127,515	129,805	137,179
5	Rockefeller U.	150,571	172,060	169,753	176,916	57,543	64,886	71,044	75,714
6	Johns Hopkins U., The ^a	120,338	138,572	158,490	171,374	98,084	110,410	131,938	136,643
7	U. WI Madison	135,056	144,462	155,682	167,191	71,057	80,833	89,736	96,752
8	U. NC Chapel Hill	109,958	129,799	143,891	161,548	81,988	102,748	114,461	129,588
9	Columbia U. in the City of NY	101,784	114,788	123,468	150,438	92,131	103,598	108,485	124,422
10	U. TX Southwestern Medical Ctr. Dallas	118,025	122,035	135,239	142,294	68,565	75,230	85,369	86,919
11	MA Institute of Technology	55,993	54,824	106,095	142,194	45,324	46,722	97,747	124,890
12	U. TX M. D. Anderson Cancer Ctr.	98,147	133,393	142,326	135,884	47,848	51,823	63,268	58,788
13	U. CA, Davis	118,477	119,074	125,408	129,433	45,283	53,858	59,286	65,043
14	Vanderbilt U.	82,878	107,375	120,991	125,819	73,480	93,586	105,530	108,372
15	Yale U.	101,912	110,697	120,311	125,653	83,427	89,477	98,117	100,953
16	U. MI all campuses	101,593	122,533	115,929	124,738	72,384	87,784	90,778	99,390
17	LA State U. all campuses	70,378	77,352	95,079	105,194	35,869	38,353	50,485	57,525
18	OR Health & Science U.	48,304 e	53,547	83,807	104,081	44,880 e	48,848	80,413	99,197
19	U. NE all campuses	74,500	86,528	95,811	103,582	30,656	36,237	47,336	51,720
20	Case Western Reserve U.	51,428	50,210	66,203	102,910	43,858	45,276	55,682	70,859
21	SUNY Albany	35,182	72,593	90,232	102,721	30,396	63,018	79,427	88,828
22	U. FL	53,109	58,708	59,437	96,057	32,642	35,884	38,423	52,492
23	OH State U. all campuses	61,101	72,744	86,864	94,325	32,995	40,152	56,742	54,104
24	U. GA	84,603	82,550	85,560	92,693	38,075	43,582	41,506	47,432
25	U. TX Medical Branch	67,922	83,338	88,794	91,691	41,297	43,833	54,703	60,578
26	Northwestern U.	60,132	67,271	85,943	90,240	44,069	48,355	60,667	65,185
27	U. AZ	69,688	75,743	76,621	90,145	41,453	45,836	48,410	51,276
28	MI State U.	78,263	92,712	90,781	89,315	37,175	37,814	38,947	43,926
29	U. of Medicine and Dentistry NJ	69,481	82,028	81,562	89,134	45,117	54,987	59,688	60,741
30	U. CA, Irvine	72,281	83,099	87,335	88,481	49,434	56,667	62,823	65,144
31	NY U.	49,904	58,561	51,765	87,311	38,575	44,784	43,399	72,025
32	Cornell U. all campuses	70,347	78,523	78,771	86,775	41,772	46,244	46,579	52,306
33	U. AL Birmingham, The	71,488	80,500	92,860	84,351	61,924	71,622	81,821	79,308
34	U. WA	112,566	124,234	86,950	81,810	93,957	106,610	79,701	75,379
35	Tufts U.	74,421	79,921	88,343	80,837	56,575	61,868	70,488	66,044
36	NC State U.	68,619	69,603	73,478	78,147	24,018	28,316	28,818	31,091
37	Duke U.	66,854	65,864	71,459	77,924	51,181	54,303	57,723	60,860
38	U. Chicago	57,812	62,497	70,322	77,354	46,532	50,068	60,291	66,548
39	U. KS all campuses	57,182	58,956	70,110	75,122	29,601	36,047	45,962	50,972
40	Mt. Sinai School of Medicine	64,867	83,296	84,429	75,090	44,061	65,072	66,690	68,167
41	IN U. all campuses	55,554	67,475	79,709	72,993	36,421	42,285	51,619	54,169
42	U. Cincinnati all campuses	58,584	62,101	72,188	70,936	45,530	48,856	51,104	49,415
43	Harvard U.	81,845	71,591	63,427	70,389	70,557	63,047	59,100	62,175
44	U. MN all campuses	62,555	64,602	63,087	70,065	35,943	37,159	39,668	46,310
45	U. IL Chicago	47,644	53,627	61,673	70,047	30,954	35,240	44,363	48,168
46	Rutgers, The State U. NJ all campuses	42,791	54,928	60,444	66,915	15,630	22,461	28,564	37,790
47	U. KY all campuses	48,463	58,746	64,430	66,019	30,439	34,550	36,976	40,119
48	U. VA all campuses	56,922	64,283	64,567	65,737	47,503	54,837	53,977	55,874
49	U. CT all campuses	45,972	49,817	61,017	63,536	31,630	43,114	41,630	42,397
50	Emory U.	55,999	54,005	56,521	61,922	46,403	44,192	49,420	54,826

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		2002	2003	2004	2005	2002	2003	2004	2005
51	U. IA	53,114	55,773	61,428	61,768	34,900	37,218	38,961	36,763
52	U. IL Urbana-Champaign	55,283	61,955	61,911	61,322	29,774	34,172	36,436	35,639
53	SUNY Buffalo all campuses	47,987	59,106	61,850	60,307	31,330	40,354	42,504	43,455
54	U. CA, Berkeley	59,935	58,860	57,014	59,425	44,598	41,794	38,510	39,175
55	U. MA Worcester	44,810	50,967	57,951	58,543	40,556	46,064	51,693	51,744
56	U. TN all campuses	40,798	47,941	51,630	57,372	31,797	36,927	39,205	41,445
57	Medical U. SC	38,101	43,591	50,040	56,020	28,954	35,301	40,398	42,665
58	U. CO all campuses	57,550	53,291	52,743	55,572	50,116	47,582	46,611	48,539
59	U. Rochester	46,447	52,101	52,590	55,176	38,736	42,140	43,641	46,203
60	SUNY Stony Brook all campuses	51,118	61,946	64,640	54,983	34,044	37,906	42,817	43,617
61	U. TX Health Science Ctr. San Antonio	51,262	58,654	50,930	54,610	36,377	38,140	35,567	40,346
62	U. CA, Riverside	11,449	13,943	12,672	52,794	5,154	6,093	5,817	18,016
63	WA State U.	43,565	49,105	51,776	51,973	20,493	24,851	26,192	25,832
64	U. NM all campuses	36,040	39,717	32,218	51,499	28,512	30,931	22,749	37,624
65	U. CA, San Diego	50,860	54,071	60,730	50,936	32,803	36,384	42,718	37,592
66	Medical C. WI	39,154	42,748	42,144	49,796	30,870	32,679	30,434	35,683
67	U. MO-Columbia	33,340	39,274	44,439	48,290	18,723	18,668	20,542	25,970
68	Thomas Jefferson U.	54,459	62,315	54,101	47,882	46,331	47,756	50,229	43,660
69	Yeshiva U.	38,087	42,962	44,494	47,541	27,699	31,244	36,789	39,097
70	U. MD Baltimore	40,023	44,591	47,594	45,659	17,552	18,923	21,183	19,391
71	Purdue U. all campuses	56,102	34,044	40,187	45,300	27,640	20,309	20,827	24,484
72	Medical C. GA	29,913	32,954	36,915	44,745	13,461	17,510	23,837	29,529
73	CA Institute of Technology	37,600	36,353	44,270	44,305	35,134	34,128	42,498	40,582
74	Wayne State U.	2,955	3,350	3,341	44,056	1,982	2,286	2,247	27,503
75	VA Polytechnic Institute and State U.	16,454	19,330	19,560	44,038	7,026	9,420	9,024	18,074
76	VA Commonwealth U.	32,772	36,781	38,709	43,884	22,644	26,882	29,300	33,200
77	U. CA, San Francisco	64,000	61,621	43,548	43,574	42,676	40,639	33,166	33,040
78	PA State U. all campuses	29,379	35,939	40,941	42,657	17,173	18,421	19,690	20,666
79	OR State U.	31,947	35,398	39,711	42,259	15,184	18,600	20,947	21,395
80	Princeton U.	29,180	33,738	38,198	41,607	21,380	23,596	26,212	27,757
81	AZ State U. main campus	14,443	28,398	26,137	41,565	8,052	8,307	12,468	16,719
82	U. UT	38,450	38,259	39,745	41,241	27,592	29,074	30,161	31,175
83	IA State U.	35,378	43,449	44,794	37,958	13,680	19,122	20,089	18,145
84	TX A&M U. all campuses	32,584	33,920	35,476	37,893	9,554	9,784	10,605	12,110
85	U. OK all campuses	30,906	34,457	36,428	37,686	17,608	20,781	24,215	26,124
86	U. VT	28,718	33,233	34,079	35,625	22,132	27,064	27,554	29,389
87	U. AR for Medical Sciences	10,397	9,500	30,558	34,689	7,584	7,292	25,496	20,775
88	KS State U.	21,876	22,496	27,250	29,602	12,635	14,365	17,702	19,331
89	Tulane U.	16,194	18,771	28,974	29,328	10,167	12,419	18,186	19,314
90	Brandeis U.	21,187	24,747	27,311	29,005	15,482	18,688	22,200	24,115
91	U. Miami	24,726	25,408	26,588	28,957	18,534	18,907	21,194	24,166
92	U. TX Austin	22,675	25,367	26,222	28,521	15,482	17,956	19,558	19,887
93	CO State U.	21,084	64,179	28,867	27,974	10,719	40,585	22,126	16,153
94	U. MD Biotechnology Institute	27,472	21,071	22,491	27,736	7,861	7,601	10,988	15,342
95	U. NV, Reno	16,219	22,202	26,455	27,087	13,420	18,119	20,509	21,728

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96	NY Medical C.	17,380	22,760	25,141	24,345	13,933	18,910	18,989	18,932
97	Meharry Medical C.	18,406	23,331	23,433	23,534	18,356	23,331	23,154	23,534
98	Brown U.	6,332 i	7,230 i	7,565 i	23,456	3,603 i	4,379 i	4,699 i	18,420
99	Drexel U.	720	15,940	21,311	23,104	572	12,410	17,407	16,705
100	Stanford U.	17,853	19,059	20,985	23,097	13,389	14,949	17,567	18,116
.	All other sampled institutions	977,167	1,062,698	1,128,781	1,192,195	642,234	709,174	786,153	825,431

e = estimated; data were not provided by institution, prior year data used or current-year estimates were reported.

i = data point imputed.

NA = not available; institution was not surveyed separately.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$15 million in total R&D expenditures in the biological sciences.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2005.