

**Table B-59. Federally financed R&D expenditures in the life sciences at universities and colleges, ranked by fiscal year 2000 federally financed R&D expenditures in the life sciences: fiscal years 1997-2000 and by subfield for 2000**

[Dollars in thousands]

Institution and ranking	1997	1998	1999	2000	2000, by subfield			
					Agric- cultural sciences	Bio- logical sciences	Medical sciences	Other
Total, all institutions .....	7,761,199	8,330,474	8,942,577	10,059,880	578,511	3,646,207	5,443,674	391,488
1 Johns Hopkins U <sup>1</sup> .....	244,682	259,454	281,249	305,404	0	78,137	202,668	24,599
2 U of Washington .....	214,307	222,448	246,803	268,355	10,619	77,047	177,807	2,882
3 U of Pennsylvania .....	170,897	198,815	227,734	259,136	295	102,380	148,823	7,638
4 U CA San Francisco .....	206,749	219,630	233,181	239,282	0	45,399	193,883	0
5 Washington University .....	163,180	161,884	191,983	228,233	0	117,727	106,261	4,245
6 Harvard University .....	138,054	163,991	183,218	213,775	0	77,164	129,901	6,710
7 Yale University .....	161,454	174,414	183,022	202,801	402	72,024	130,375	0
8 University of Michigan .....	154,678	171,935	182,255	200,273	1,832	60,459	112,859	25,123
9 Stanford University .....	140,805	155,050	174,195	199,299	0	12,316	186,983	0
10 University of Pittsburgh .....	136,957	145,487	167,748	198,076	0	7,107	186,326	4,643
Total, 1st 10 institutions .....	1,731,763	1,873,108	2,071,388	2,314,634	13,148	649,760	1,575,886	75,840
11 Baylor Col of Medicine .....	97,829	110,610	141,111	193,249	0	115,970	77,279	0
12 U CA Los Angeles .....	148,140	159,433	169,502	188,919	0	33,860	152,515	2,544
13 Columbia U in City of NY .....	135,093	144,577	153,549	185,106	0	71,417	113,332	357
14 University of Minnesota .....	139,674	144,826	147,646	163,831	13,217	33,317	111,373	5,924
15 U of Alabama Birmingham .....	138,895	154,908	153,179	162,927	0	51,231	111,146	550
16 Duke University .....	122,374	133,454	143,274	159,656	0	54,605	104,471	580
17 U CA San Diego .....	122,177	126,944	135,740	155,250	0	30,260	124,941	49
18 U of NC Chapel Hill .....	114,807	131,183	138,631	150,606	0	66,577	76,970	7,059
19 U WI-Madison .....	122,349	126,814	133,809	148,172	10,572	61,131	74,842	1,629
20 Emory University .....	99,422	111,682	126,500	137,489	0	37,809	74,023	25,657
Total, 1st 20 institutions .....	2,972,523	3,217,539	3,514,329	3,959,839	36,937	1,205,937	2,596,778	120,187
21 University of Colorado .....	98,022	104,521	116,014	136,720	0	41,457	93,510	1,753
22 Case Western Reserve U .....	94,708	106,938	114,553	125,924	0	39,255	86,372	297
23 Cornell University .....	103,585	110,388	115,982	125,344	13,758	29,243	82,343	0
24 U of Iowa .....	83,511	89,203	96,891	112,862	0	27,879	84,526	457
25 U CA Davis .....	81,350	88,045	98,784	109,978	34,870	35,990	39,118	0
26 U TX SW Med Ctr at Dallas .....	89,357	97,200	101,996	109,165	0	54,978	53,847	340
27 Oregon Health Sciences U .....	64,472	78,866	91,835	104,185	0	45,755	50,027	8,403
28 Vanderbilt University .....	79,651	86,936	91,369	103,565	0	56,644	39,046	7,875
29 U of Southern California .....	92,577	91,664	94,480	103,260	0	4,301	91,893	7,066
30 Yeshiva University .....	77,936	80,000	89,680	101,631	0	24,635	55,430	21,566
Total, 1st 30 institutions .....	3,837,692	4,151,300	4,525,913	5,092,473	85,565	1,566,074	3,272,890	167,944
31 Mt Sinai Sch Med .....	60,914	69,995	84,624	98,188	0	43,900	54,288	0
32 University of Chicago .....	84,766	87,762	91,591	97,251	0	30,813	66,148	290
33 Northwestern University .....	67,983	78,649	82,942	96,823	0	41,056	50,440	5,327
34 University of Cincinnati .....	63,654	74,095	83,303	94,624	0	34,337	60,122	165
35 New York University .....	75,150	81,747	89,173	93,890	0	34,497	34,990	24,403
36 Georgetown University .....	78,981	79,223	76,707	92,084	0	8,711	82,703	670
37 U of MD Baltimore .....	72,100	78,037	84,516	91,212	0	13,682	72,969	4,561
38 University of Arizona .....	71,555	75,275	80,174	89,978	13,887	32,101	42,825	1,165
39 Boston University .....	64,981	67,475	80,675	88,405	0	6,259	81,463	683
40 University of Rochester .....	67,532	76,928	75,975	88,295	0	31,985	53,561	2,749
Total, 1st 40 institutions .....	4,545,308	4,920,486	5,355,593	6,023,223	99,452	1,843,415	3,872,399	207,957
41 University of Utah .....	62,182	63,895	68,423	81,091	0	27,856	41,447	11,788
42 UT Houston Hlth Sci Ctr .....	67,205	70,446	71,288	79,665	0	25,855	44,657	9,153
43 Ohio State University .....	66,322	72,194	77,926	79,507	6,821	28,026	37,533	7,127
44 University of Virginia .....	49,517	61,600	67,772	78,287	0	31,196	45,388	1,703
45 U TX MD Anderson Cntr Ctr ..	47,524	60,347	66,016	77,963	0	37,732	40,231	0
46 U CA Berkeley .....	62,703	65,728	64,757	76,937	2,957	59,746	14,234	0
47 U of IL Chicago .....	52,832	56,850	67,001	76,932	0	23,236	48,167	5,529
48 U Med & Dent of NJ .....	57,471	59,828	61,730	75,318	0	37,135	38,183	0
49 Indiana University .....	60,771	64,970	70,151	74,949	76	25,511	46,910	2,452
50 University of Florida .....	57,850	63,549	75,556	72,971	12,857	18,674	38,784	2,656
Total, 1st 50 institutions .....	5,129,685	5,559,893	6,046,213	6,796,843	122,163	2,158,382	4,267,933	248,365

See explanatory information and SOURCE at end of table.

**Table B-59. Federally financed R&D expenditures in the life sciences at universities and colleges, ranked by fiscal year 2000 federally financed R&D expenditures in the life sciences: fiscal years 1997-2000 and by subfield for 2000**

[Dollars in thousands]

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Institution and ranking	1997	1998	1999	2000	2000, by subfield			
					Agricultural sciences	Bio-logical sciences	Medical sciences	Other
51 Pennsylvania State U .....	50,925	52,397	56,182	68,343	14,236	35,919	16,194	1,994
52 University of Miami .....	65,103	62,022	63,869	68,262	0	16,444	51,783	35
53 SUNY at Buffalo .....	52,694	48,799	57,307	67,966	0	33,921	28,453	5,592
54 Thomas Jefferson U .....	49,091	51,728	56,369	67,448	0	34,650	31,671	1,127
55 U TX Hlth Sci Ctr San Ant .....	53,478	51,954	56,904	65,251	0	25,949	39,302	0
56 Wake Forest University .....	53,480	56,023	59,351	65,094	0	431	64,663	0
57 U MA Worcester .....	43,350	53,766	55,516	64,212	0	28,016	31,972	4,224
58 Colorado State University .....	42,396	42,266	56,063	62,328	38,093	18,694	5,541	0
59 U CA Irvine .....	38,718	41,652	48,827	61,177	0	39,950	20,830	397
60 U TX Med Br at Galveston .....	41,831	48,310	54,759	60,749	0	27,499	33,022	228
<b>Total, 1st 60 institutions .....</b>	<b>5,620,751</b>	<b>6,068,810</b>	<b>6,611,360</b>	<b>7,447,673</b>	<b>174,492</b>	<b>2,419,855</b>	<b>4,591,364</b>	<b>261,962</b>
61 MA Institute of Tech .....	32,907	33,826	49,466	55,109	188	44,122	9,592	1,207
62 Medical Col of Wisconsin .....	39,364	43,831	47,087	55,034	0	22,597	32,437	0
63 Tufts University .....	46,538	51,225	53,302	54,306	0	49,247	4,236	823
64 Wayne State University .....	43,004	46,472	47,371	52,637	0	1,940	50,451	246
65 SUNY at Stony Brook .....	43,766	48,990	48,971	51,701	0	30,859	20,445	397
66 Michigan State University .....	46,774	45,496	49,996	51,477	12,575	28,080	9,782	1,040
67 SUNY at Albany .....	30,678	23,274	34,434	50,670	0	50,670	0	0
68 University of Kentucky .....	43,247	41,679	46,622	50,133	8,506	1,319	40,070	238
69 Louisiana State U System .....	35,538	37,833	42,673	47,916	4,268	32,581	10,672	395
70 University of Georgia .....	43,187	42,412	42,100	47,290	14,600	29,784	2,906	0
<b>Total, 1st 70 institutions .....</b>	<b>6,025,754</b>	<b>6,483,848</b>	<b>7,073,382</b>	<b>7,963,946</b>	<b>214,629</b>	<b>2,711,054</b>	<b>4,771,955</b>	<b>266,308</b>
71 University of Kansas .....	28,565	28,377	38,866	46,879	24	22,870	14,025	9,960
72 University of Connecticut .....	34,607	37,120	38,767	46,875	1,723	19,300	24,380	1,472
73 U of Missouri Columbia .....	30,421	31,875	37,318	45,496	17,318	13,250	13,997	931
74 Virginia Commonwealth U .....	41,288	43,479	42,593	45,047	0	18,574	25,707	766
75 U of Tennessee System .....	38,469	37,064	38,605	43,256	5,684	19,293	17,236	1,043
76 Rockefeller U, The .....	39,910	40,347	42,689	42,109	0	37,997	4,112	0
77 Dartmouth College .....	33,103	34,859	35,707	41,537	0	2,426	39,111	0
78 Med U of South Carolina .....	37,790	36,473	30,997	41,432	0	13,017	19,236	9,179
79 Tulane University .....	40,477	44,002	41,482	40,122	0	7,370	10,352	22,400
80 University of New Mexico .....	23,287	26,611	29,014	38,214	0	21,075	11,906	5,233
<b>Total, 1st 80 institutions .....</b>	<b>6,373,671</b>	<b>6,844,055</b>	<b>7,449,420</b>	<b>8,394,913</b>	<b>239,378</b>	<b>2,886,226</b>	<b>4,952,017</b>	<b>317,292</b>
81 Univ of Hawaii at Manoa .....	28,715	31,608	36,536	38,123	8,284	6,681	15,094	8,064
82 Texas A&M University .....	37,707	43,610	43,653	37,616	14,226	10,146	13,244	0
83 U of IL Urbana-Champaign .....	30,867	31,887	33,684	37,004	11,049	24,162	1,186	607
84 Purdue University .....	33,033	32,707	34,525	35,919	9,863	18,839	5,174	2,043
85 Oregon State University .....	39,935	40,011	38,305	35,793	21,950	11,155	1,372	1,316
86 University of Vermont .....	30,379	27,751	31,432	35,632	2,230	16,863	14,701	1,838
87 Rush University .....	23,717	27,465	30,034	32,178	0	6,398	25,223	557
88 U of Arkansas Medical Sci .....	19,249	21,857	26,392	29,962	0	9,959	20,003	0
89 U of South Florida .....	12,169	14,694	21,731	29,878	0	947	28,399	532
90 Washington State U .....	24,049	28,160	27,895	29,653	7,785	19,328	749	1,791
<b>Total, 1st 90 institutions .....</b>	<b>6,653,491</b>	<b>7,143,805</b>	<b>7,773,607</b>	<b>8,736,671</b>	<b>314,765</b>	<b>3,010,704</b>	<b>5,077,162</b>	<b>334,040</b>
91 Rutgers the State U NJ .....	23,854	24,892	26,225	28,157	6,934	13,960	7,128	135
92 California Inst of Tech .....	27,510	31,416	26,077	27,468	0	27,468	0	0
93 NC State University .....	23,550	23,450	21,277	27,299	10,169	16,409	0	721
94 MCP Hahnemann University ..	48,062	61,102	17,039	27,127	0	14,331	9,688	3,108
95 Brown University .....	19,015	19,938	21,568	26,011	0	4,020	19,609	2,382
96 Saint Louis University .....	22,087	22,595	23,239	25,809	0	10,261	11,296	4,252
97 University of Oklahoma .....	24,753	26,845	28,928	25,532	0	13,005	11,774	753
98 U TX at Austin .....	15,235	18,220	20,222	24,953	0	18,409	6,091	453
99 Temple University .....	18,876	21,568	21,570	23,947	0	12,044	11,040	863
100 SUNY Hlth Sci Ctr Brklyn .....	18,996	18,318	21,053	22,860	0	15,089	7,771	0
<b>Total, 1st 100 institutions .....</b>	<b>6,895,429</b>	<b>7,412,149</b>	<b>8,000,805</b>	<b>8,995,834</b>	<b>331,868</b>	<b>3,155,700</b>	<b>5,161,559</b>	<b>346,707</b>

See explanatory information and SOURCE at end of table.

**Table B-59. Federally financed R&D expenditures in the life sciences at universities and colleges, ranked by fiscal year 2000 federally financed R&D expenditures in the life sciences: fiscal years 1997-2000 and by subfield for 2000**

[Dollars in thousands]

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Institution and ranking	1997	1998	1999	2000	2000, by subfield			
					Agric- ultural sciences	Bio- logical sciences	Medical sciences	Other
101 Iowa State University .....	19,014	20,402	21,345	22,669	10,250	10,819	1,150	450
102 C R Drew U of Med & Sci .....	16,052e	16,052	22,212	21,969	0	0	21,969	0
103 Mississippi State U .....	13,117	17,370	17,460	21,170	20,283	197	690	0
104 VA Polytech Inst & St U .....	17,317	18,391	18,472	20,481	14,440	3,847	1,315	879
105 U of Nebraska Med Ctr .....	13,990	15,663	17,167	19,878	0	14,558	5,320	0
106 New York Medical College .....	11,866	13,639	14,029	17,975	0	9,505	8,470	0
107 Clemson University .....	13,633	14,996	14,718	17,023	7,389	8,434	242	958
108 Loyola U of Chicago .....	13,032	15,676	15,904	16,720	0	7,944	8,605	171
109 U PR Med Sci Campus .....	12,978	11,843	13,971	16,657	0	0	16,657	0
110 Utah State University .....	14,353	13,189	14,747	16,066	10,641	2,042	3,383	0
Total, 1st 110 institutions .....	7,040,781	7,569,370	8,170,830	9,186,442	394,871	3,213,046	5,229,360	349,165
111 Kansas State University .....	13,409	13,771	14,633	15,941	8,558	7,346	37	0
112 Loma Linda University .....	7,062	7,834	12,217	15,930	0	4,276	11,654	0
113 Princeton University .....	11,512	11,424	13,148	15,571	0	15,571	0	0
114 Morehouse School of Med .....	11,709	12,060	12,948	15,419	0	6,678	8,741	0
115 Howard University .....	10,708	12,066	12,248	15,284	0	7,662	7,582	40
116 Medical Col of Georgia .....	11,904	13,127	13,991	15,210	0	10,294	4,916	0
117 University of Oregon .....	12,566	11,903	12,169	15,174	0	7,030	8,144	0
118 Montana St U Bozeman .....	9,775	12,094	12,751	14,484	8,375	5,913	0	196
119 TX A&M U Sys Hlth Sci Ctr .....	--	--	--	14,314	0	895	13,411	8
120 U of Nebraska at Lincoln .....	21,948	22,279i	14,120	14,269	8,368	5,649	0	252
Total, 1st 120 institutions .....	7,151,374	7,685,928	8,289,055	9,338,038	420,172	3,284,360	5,283,845	349,661
121 Brandeis University .....	14,375	14,762	14,534	14,241	0	14,241	0	0
122 U of South Carolina .....	9,060	8,925	12,433	14,074	0	3,490	10,584	0
123 George Washington U .....	11,838	13,989	15,349	14,073	0	449	13,607	17
124 Univ of Montana, The .....	8,551	9,047	11,368	13,772	4,898	6,574	1,335	965
125 University of Louisville .....	10,444	11,308	11,227	13,668	0	5,624	7,396	648
126 U of Nevada Reno .....	11,352	12,327	12,467	13,435	1,352	9,016	2,928	139
127 West Virginia University .....	8,243	10,774	10,603	13,420	2,113	3,606	7,701	0
128 U Mississippi, All Camp .....	10,172	10,825	2,926	13,333	0	4,420	8,396	517
129 University of Idaho .....	14,002i	13,446	16,173	12,180	9,111	2,832	236	1
130 Eastern VA Med School .....	10,618	9,449	11,354	12,114	0	3,718	8,396	0
Total, 1st 130 institutions .....	7,260,029	7,800,780	8,407,489	9,472,348	437,646	3,338,330	5,344,424	351,948
131 Auburn University .....	10,418	11,062	9,971	12,106	7,952	2,007	1,235	912
132 U MA Amherst .....	7,926	10,256	10,892	11,795	5,375	5,447	0	973
133 Oklahoma State University .....	9,132	9,232	9,637	11,709	4,509	6,459	721	20
134 U MD at College Park .....	10,872	11,181	12,280	11,573	2,766	6,921	0	1,886
135 Unif Svcs U of Hlth Sci .....	9,218	7,547	9,696	11,023	0	3,829	7,194	0
136 San Diego St University .....	11,101	11,024	10,643	10,332	264	5,654	3,915	499
137 U of Arkansas Main .....	8,463	8,196	8,939	10,059	8,968	1,091	0	0
138 Med Col of Ohio .....	9,766	8,107	9,219	9,944	0	8,364	1,155	425
139 Florida A&M University .....	11,006	8,888	11,778	9,364	4,335	4,710	205	114
140 Meharry Medical College .....	10,331e	10,331e	8,865	8,865e	0e	4,593e	3,991e	281
Total, 1st 140 institutions .....	7,358,262	7,896,604	8,509,409	9,579,118	471,815	3,387,405	5,362,840	357,058

See explanatory information and SOURCE at end of table.

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[Dollars in thousands]

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Institution and ranking	1997	1998	1999	2000	2000, by subfield			
					Agric- cultural sciences	Bio- logical sciences	Medical sciences	Other
141 U of Rhode Island .....	3,815 i	6,783	7,132	8,541	6,176	806	857	702
142 SUNY Upstate Med U .....	7,188	6,487	7,889	8,461	0	6,250	2,211	0
143 U of Alaska Fairbanks .....	4,321 i	4,841 i	6,254	8,412	3,315	5,097	0	0
144 U MD Biotechnology Inst .....	4,615	6,794	8,017	8,384	2,004	6,311	0	69
145 U of LA Lafayette .....	2,753	2,571	2,840	8,190	28	2,868	5,294	0
146 Wright State University .....	6,271	7,081	8,241	8,064	0	1,082	6,982	0
147 Alcorn State University .....	4,071 i	5,119	5,223	8,034	5,903	1,098	399	634
148 University of Wyoming .....	6,803	8,552	10,042	7,787	4,903	2,884	0	0
149 Carnegie Mellon U .....	7,385	6,926	6,249	7,760	0	3,461	0	4,299
150 Arizona State University .....	6,111	6,371	7,285	7,705	700	5,398	0	1,607
Total, 1st 150 institutions .....	7,411,595	7,958,129	8,578,581	9,660,456	494,844	3,422,660	5,378,583	364,369
Total, all other sampled institutions .....	349,604	372,345	363,996	399,424	83,667	223,547	65,091	27,119

<sup>1</sup> Johns Hopkins University includes Applied Physics Laboratory.

**KEY:** -- = not available  
e = estimated  
i = imputed

**NOTE:** Because of rounding, detail may not add to totals.

**SOURCE:** National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2000