

TABLE 48. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2009 life sciences: FY 2006–09 and by subfield for FY 2009
(Dollars in thousands)

Rank	Institution	2006	2007	2008	2009				
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
	All institutions	28,803,592	29,806,206	31,210,224	32,790,685	3,057,451	10,152,632	18,239,835	1,340,767
1	U. CA, San Francisco	770,485	820,239	862,987	930,283	0	29,667	900,616	0
2	Johns Hopkins U., The ^a	702,207	692,380	738,962	787,092	0	205,189	536,351	45,552
3	Duke U.	553,834	669,354	655,202	673,352	0	194,300	474,848	4,204
4	U. CA, Los Angeles	609,514	612,248	649,978	648,574	0	22,720	625,854	0
5	U. WI Madison	508,034	541,332	567,870	623,414	46,313	220,821	349,620	6,660
6	U. MI all campuses	481,245	480,044	506,766	610,550	10,651	155,351	373,491	71,057
7	U. PA	546,624	525,729	590,059	606,702	347	204,664	386,099	15,592
8	Washington U. St. Louis	490,846	515,165	506,555	562,058	0	190,901	364,663	6,494
9	U. Pittsburgh all campuses	458,627	489,305	523,296	544,425	0	17,350	512,408	14,667
10	U. MN all campuses	434,861	455,889	499,348	529,128	76,010	105,031	342,334	5,753
11	U. WA	541,524	513,821	515,172	517,978	17,233	89,848	396,872	14,025
12	U. TX M. D. Anderson Cancer Ctr.	402,469	434,713	491,639	510,469	0	165,095	345,374	0
13	U. NC Chapel Hill	349,179	371,745	407,159	505,871	0	219,888	242,349	43,634
14	U. CA, Davis	425,934	441,417	471,685	496,903	134,749	156,491	205,663	0
15	U. CA, San Diego	404,236	446,301	476,841	495,438	22	39,641	454,390	1,385
16	Baylor C. of Medicine	462,375	438,280	449,301	449,031	0	227,544	221,487	0
17	Yale U.	402,060	397,064	429,517	446,864	595	140,083	306,186	0
18	Cornell U. all campuses	411,148	409,577	410,883	433,210	57,158	102,407	256,605	17,040
19	OH State U. all campuses	373,349	397,652	408,489	426,315	63,111	91,474	260,694	11,036
20	Stanford U.	389,093	407,985	410,123	425,500	0	23,474	402,026	0
21	U. FL	390,097	418,136	419,207	419,662	143,609	116,458	135,360	24,235
22	Emory U.	330,039	362,271	402,767	416,968	0	183,623	229,987	3,358
23	U. AL Birmingham, The	312,118	333,758	386,099	404,696	0	109,584	292,457	2,655
24	U. TX Southwestern Medical Ctr. Dallas	333,237	341,090	390,349	402,087	0	166,725	234,144	1,218
25	Columbia U. in the City of New York	367,877	380,740	370,822	385,193	0	134,668	244,034	6,491
26	U. CO all campuses	287,983	294,574	299,433	382,876	3	67,896	283,883	31,094
27	Scripps Research Institute, The	367,375	360,511	366,047	382,275	0	382,275	0	0
28	Northwestern U.	300,157	316,703	352,348	369,374	0	98,736	259,150	11,488
29	U. MD Baltimore	405,260	358,851	379,407	359,542	0	53,931	287,634	17,977
30	Vanderbilt U.	303,452	320,632	341,388	348,830	0	138,007	199,714	11,109
31	Case Western Reserve U.	312,695	316,777	350,088	347,127	0	86,994	233,871	26,262
32	U. Southern CA	256,515	321,959	329,680	330,121	0	19,517	298,847	11,757
33	Harvard U.	312,303	314,166	316,229	325,469	0	178,209	147,046	214
34	Mt. Sinai School of Medicine	273,216	269,451	296,380	318,407	0	95,691	222,716	0
35	U. Cincinnati all campuses	251,055	292,289	293,448	304,931	0	69,735	225,912	9,284
36	IN U. all campuses	227,786	261,002	286,197	299,428	0	95,661	190,499	13,268
37	U. Chicago	216,635	232,868	267,789	277,473	0	113,241	160,783	3,449
38	U. AZ	253,309	275,212	269,947	272,803	63,496	80,370	123,068	5,869
39	U. Rochester	234,547	246,393	260,232	271,684	0	66,031	196,321	9,332
40	U. IL Chicago	257,615	268,553	268,277	266,337	0	63,840	188,610	13,887
41	U. KY all campuses	230,681	240,818	244,384	259,700	59,400	74,229	117,394	8,677
42	MA Institute of Technology	172,631	191,916	218,413	257,208	0	233,730	14,340	9,138
43	U. IA	274,029	284,969	230,220	256,682	0	73,067	163,034	20,581
44	NY U.	229,797	237,400	254,203	255,186	0	98,463	140,586	16,137
45	OR Health & Science U.	236,976	244,734	253,072	254,723	0	112,056	126,375	16,292
46	LA State U. all campuses	225,097	243,300	253,746	253,267	77,735	108,289	66,006	1,237
47	U. GA	224,426	231,955	243,797	241,490	93,279	102,473	41,353	4,385
48	U. NE all campuses	221,599	220,180	222,586	241,098	59,455	114,972	59,386	7,285
49	PA State U. all campuses	200,986	202,986	219,814	238,962	87,643	51,976	99,343	0

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					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
50	U. South FL	193,977	188,046	200,431	234,887	0	14,226	220,000	661
51	Rockefeller U.	198,779	216,284	227,568	233,727	0	220,496	13,231	0
52	SUNY Buffalo all campuses	212,496	213,681	216,658	233,547	0	61,092	161,776	10,679
53	U. of Medicine and Dentistry NJ	245,771	236,834	230,347	223,796	0	100,708	123,088	0
54	U. TX Health Science Ctr. San Antonio	150,040	160,282	201,323	221,535	0	50,697	163,260	7,578
55	U. TX Health Science Ctr. Houston	175,154	191,724	197,252	217,623	0	26,111	99,516	91,996
56	Medical U. SC	175,914	184,470	189,089	216,376	0	72,746	75,844	67,786
57	U. UT	165,066	164,893	169,573	215,203	0	53,365	112,701	49,137
58	U. CA, Irvine	194,827	207,120	216,287	213,655	0	105,291	108,364	0
59	MI State U.	222,066	219,429	214,004	211,919	87,124	88,981	29,225	6,589
60	U. MA Worcester	156,452	157,469	178,614	204,033	0	72,851	104,417	26,765
61	U. CA, Berkeley	180,737	174,792	184,410	200,473	71,282	65,299	63,892	0
62	Wayne State U.	177,619	187,060	197,045	197,995	0	37,634	147,404	12,957
63	Wake Forest U.	178,074	181,642	195,707	197,095	0	1,659	195,436	0
64	TX A&M U.	189,069	188,462	182,674	193,967	88,297	39,553	64,781	1,336
65	Yeshiva U.	189,416	192,199	197,311	193,010	0	0	193,010	0
66	Purdue U. all campuses	175,631	182,894	188,344	190,112	111,549	36,701	30,795	11,067
67	Uniformed Services U. of the Health Sciences	63,175	64,988	100,996	188,911	0	5,659	183,252	0
68	U. MO-Columbia	169,710	169,206	188,219	187,295	64,136	43,171	62,087	17,901
69	NC State U.	162,953	168,872	186,115	186,776	88,392	81,209	0	17,175
70	U. VA all campuses	168,222	159,645	180,438	185,145	0	58,131	123,854	3,160
71	U. TX Medical Branch	177,365	181,249	177,767	183,102	0	75,370	107,732	0
72	U. Miami	147,260	146,063	170,397	182,483	0	27,073	152,907	2,503
73	U. IL Urbana-Champaign	128,733	138,193	150,707	177,615	68,639	92,531	5,759	10,686
74	Medical C. WI	147,140	158,171	165,529	176,237	0	48,599	127,638	0
75	Boston U.	169,662	158,473	161,933	174,803	0	8,092	164,525	2,186
76	VA Polytechnic Institute and State U.	150,604	167,765	165,736	168,495	91,658	63,795	11,083	1,959
77	U. KS all campuses	137,286	146,357	156,479	165,779	1,281	92,108	51,742	20,648
78	Rutgers, The State U. NJ all campuses	154,884	157,977	159,609	165,741	39,533	92,058	19,348	14,802
79	WA State U.	124,270	129,984	171,412	157,517	82,822	43,352	27,621	3,722
80	U. CT all campuses	154,635	161,722	157,953	154,654	6,649	83,225	60,644	4,136
81	Tulane U.	101,539	122,855	135,252	137,864	0	29,832	28,819	79,213
82	Dartmouth C.	140,264	140,106	132,337	133,225	0	6,693	126,532	0
83	Georgetown U.	105,029	122,867	125,788	132,105	0	10,120	110,600	11,385
84	U. TN all campuses	141,455	140,018	137,101	129,234	35,667	46,861	43,048	3,658
85	CO State U.	110,143	117,891	133,834	128,829	34,307	30,302	63,461	759
86	VA Commonwealth U.	130,067	111,746	125,604	128,708	0	48,571	70,095	10,042
87	OR State U.	108,074	108,754	105,707	118,051	66,312	45,650	4,012	2,077
88	IA State U.	111,494	111,538	114,157	117,632	53,902	43,712	16,591	3,427
89	U. Louisville	108,833	120,424	117,892	116,945	0	30,644	76,140	10,161
90	U. NM main campus	109,570	104,285	117,462	114,959	18	32,414	75,194	7,333
91	U. OK all campuses	101,346	100,945	111,673	114,727	0	46,141	63,818	4,768
92	Tufts U.	101,279	104,040	106,907	110,873	16	85,018	25,839	0
93	U. HI Manoa	83,980	90,518	100,277	107,753	18,148	9,169	68,645	11,791
94	U. AR for Medical Sciences	107,871	108,551	117,440	106,314	0	41,269	59,965	5,080
95	MS State U.	98,183	105,564	102,026	103,638	90,401	5,802	6,367	1,068
96	U. VT	107,137	98,031	96,471	101,652	13,405	35,502	51,335	1,410
97	Thomas Jefferson U.	106,986	107,288	99,275	101,188	0	44,056	54,234	2,898

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98	KS State U.	79,617	81,631	89,785	96,245	57,909	36,866	1,470	0
99	Rush U.	81,159	82,539	87,699	94,328	0	22,042	68,977	3,309
100	SUNY Stony Brook all campuses	97,924	107,738	103,245	90,904	0	44,221	46,305	378
101	WV U.	79,957	85,132	90,290	87,416	23,774	16,016	43,350	4,276
102	SUNY Albany	96,729	102,740	102,065	86,824	0	78,190	8,545	89
103	George Washington U.	44,856	49,146	55,038	85,060	0	14,617	70,443	0
104	Auburn U. all campuses	80,290	75,450	81,251	83,434	65,859	10,352	2,682	4,541
105	TX A&M U. System Health Science Ctr.	74,132	76,983	79,124	82,549	81	211	82,257	0
106	Brown U.	82,681	79,473	77,755	78,219	263	23,858	37,874	16,224
107	Temple U.	56,304	63,124	67,082	75,042	710	28,871	36,654	8,807
108	U. MD College Park	60,333	66,733	70,253	70,997	45,855	16,939	0	8,203
109	AZ State U.	46,523	53,252	63,677	70,468	867	56,196	205	13,200
110	U. CA, Riverside	64,407	68,274	67,784	69,635	12,747	53,248	3,640	0
111	OK State U. all campuses	60,369	62,334	71,068	69,620	36,998	27,824	4,761	37
112	Medical C. GA	61,174	60,001	57,085	65,473	0	50,216	14,386	871
113	MT State U. Bozeman	71,686	69,880	72,260	64,327	48,974	10,729	3,054	1,570
114	U. MS all campuses	64,905	77,154	58,369	63,603	0	14,181	46,106	3,316
115	U. AR main campus	59,420	59,797	61,528	63,410	59,649	2,603	0	1,158
116	ND State U. all campuses	58,219	58,444	62,693	62,925	54,162	2,026	6,737	0
117	Clemson U.	52,287	57,090	65,214	58,760	33,174	22,648	2,249	689
118	UT State U.	51,247	57,738	60,256	58,207	47,678	10,248	281	0
119	Charles R. Drew U. of Medicine and Science	47,188	52,118	49,224	57,604	0	0	57,604	0
120	U. ID	55,712	52,689	49,932	57,589	34,568	17,633	5,388	0
121	U. TX Austin	48,983	50,210	48,968	57,026	229	36,308	19,430	1,059
122	Drexel U.	48,341	46,819	53,828	56,875	0	30,973	22,685	3,217
123	U. MA Amherst	42,796	50,796	54,886	54,733	23,088	23,323	7,237	1,085
124	U. SC all campuses	40,297	41,304	45,820	50,566	0	13,565	37,001	0
125	CA Institute of Technology	44,259	47,522	49,231	50,431	0	50,431	0	0
126	U. NV, Reno	47,284	45,392	43,303	44,711	17,692	19,376	7,333	310
127	U. MT-Missoula, The	35,129	37,807	39,956	44,420	9,208	21,499	10,437	3,276
128	Southern IL U. Carbondale	40,662	41,002	42,422	43,353	9,730	8,674	24,590	359
129	U. WY	51,003	38,911	39,791	41,342	15,312	18,653	3,768	3,609
130	SD State U.	27,454	31,401	37,165	39,608	28,166	2,421	3,228	5,793
131	Princeton U.	38,653	38,002	42,654	39,405	0	39,405	0	0
132	NM State U. main campus	39,624	37,046	35,751	39,385	32,796	6,012	0	577
133	U. ME	37,181	35,016	31,448	39,020	23,351	14,112	79	1,478
134	TX Tech U. Health Science Ctr.	22,013	21,006	24,716	37,363	0	13,946	23,417	0
135	U. CA Office of the President	54,580	52,342	40,612	37,262	3,333	2,641	31,288	0
136	Eastern VA Medical School	33,013	31,453	30,777	36,678	0	11,650	25,028	0
137	Loma Linda U.	32,234	27,887	35,883	36,357	0	6,394	29,753	210
138	St. Louis U. all campuses	46,044	51,432	54,625	35,798	0	10,068	25,409	321
139	U. PR Medical Sciences Campus	38,424	38,863	35,570	34,869	0	0	34,869	0
140	FL State U.	30,403	30,293	30,143	34,848	0	17,248	13,509	4,091
141	SUNY Upstate Medical U.	37,181	39,699	36,359	33,194	0	6,902	26,292	0
142	U. DE	28,596	29,165	30,901	32,752	20,980	6,223	0	5,549
143	Loyola U. Chicago	35,999	33,473	32,613	32,695	0	11,182	20,460	1,053
144	U. MD Biotechnology Institute	47,012	47,699	30,134	32,029 i	8,830 i	23,199 i	0 i	0 i
145	U. Toledo	7,285	28,700	28,311	31,612	1,092	17,081	11,851	1,588
146	U. LA Lafayette	26,583	28,555	30,511	30,933	219	4,115	25,309	1,290
147	NY Medical C.	34,397	34,365	31,644	30,584	0	23,720	6,864	0

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148	San Diego State U.	27,140	23,791	24,994	30,223	0	14,325	10,076	5,822
149	U. OR	26,700	26,694	27,158	29,838	0	11,259	18,533	46
150	U. North TX Health Science Ctr. Ft. Worth	25,124	28,187	28,179	29,582	0	24,399	5,183	0
151	SUNY Health Science Ctr. Brooklyn	31,064	29,809	32,299	29,184	0	11,592	17,592	0
152	Morehouse School of Medicine	28,378	27,886	27,077	27,392	0	8,036	7,369	11,987
153	U. AK Fairbanks all campuses	33,673	32,077	31,479	26,988	7,866	17,331	616	1,175
154	TX Tech U.	19,690	18,880	18,111	26,661	20,966	5,695	0	0
155	Meharry Medical C.	32,878	33,218	34,152	26,587	0	25,473	1,114	0
156	Brandeis U.	27,465	27,422	24,563	26,498	0	26,498	0	0
157	Creighton U.	24,782	27,746	26,052	26,427	0	8,571	17,639	217
158	U. RI	23,481	25,456	26,515	25,935	8,766	3,172	8,349	5,648
159	Wright State U. all campuses	30,574	29,416	23,952	24,892	0	2,772	22,038	82
160	GA State U.	19,700	22,473	25,024	24,661	0	11,443	11,570	1,648
161	U. SD	19,340	18,354	19,107	24,093	0	15,290	8,803	0
162	Southern IL U. Edwardsville	12,557	17,982	20,366	23,696	17,118	1,920	1,990	2,668
163	GA Institute of Technology all campuses	19,064	19,675	21,370	23,457	116	17,444	5,881	16
164	U. NH	24,281	23,542	25,460	23,094	9,861	10,100	319	2,814
165	U. South AL	13,242	18,098	20,785	22,047	0	13,773	3,555	4,719
166	U. MO-Kansas City	20,764	22,225	23,156	20,832	0	3,623	15,561	1,648
167	Howard U.	25,284	28,407	22,651	20,507	6	3,651	15,778	1,072
168	FL International U.	12,041	25,765	17,956	19,828	0	9,202	4,392	6,234
169	East Carolina U.	11,274	11,852	12,423	19,140	251	7,840	8,168	2,881
170	Northern AZ U.	19,484	18,327	19,157	18,934	3,627	14,878	0	429
171	U. TX El Paso	11,061	16,766	17,757	18,544	0	7,065	11,220	259
172	U. CA, Santa Cruz	14,785	14,626	16,453	18,413	3,386	15,027	0	0
173	U. Houston	16,310	15,991	17,993	17,960	0	5,878	11,598	484
174	U. TX San Antonio	15,127	15,963	15,299	17,927	0	17,927	0	0
175	Albany Medical C.	16,227	15,029	15,108	17,776	0	17,036	740	0
176	U. Southern ME	5,071	17,668	20,313	17,380	27	4,866	11,679	808
177	U. of Notre Dame	14,692	16,863	17,941	17,219	0	17,219	0	0
178	AL State U.	1,612	1,612	2,461	17,164	0	17,164	0	0
179	FL A&M U.	20,206	8,733	15,156	16,595	8,528	1,087	6,980	0
180	FL Atlantic U.	8,269	10,214	13,850	15,620	488	5,752	9,323	57
181	Northeastern U.	17,354	19,596	15,524	15,410	0	11,179	1,030	3,201
182	Marshall U.	10,845	13,939	13,811	15,326	0	3,788	11,197	341
183	CUNY Hunter C.	11,469	10,258	11,660	15,245	0	15,245	0	0
184	U. ND all campuses	15,649	17,444	14,893	14,811	0	1,205	11,019	2,587
185	NC Agricultural and Technical State U.	12,114	12,420	14,307	13,790	11,878	1,901	11	0
186	U. TX Dallas	5,433	5,782	9,507	13,284	0	4,992	8,292	0
187	Alcorn State U.	6,593	9,056	11,665	13,064	13,064	0	0	0
188	Rosalind Franklin U. of Medicine and Science	10,963	11,468	11,608	12,620	0	12,260	360	0
189	U. WI Milwaukee	6,388	8,515	10,941	12,020	0	2,213	127	9,680
190	Tuskegee U.	7,923	9,743	10,174	11,359	3,863	340	5,111	2,045
191	Old Dominion U.	5,273	6,250	8,497	11,056	0	4,196	5,908	952
192	TX A&M U. Kingsville	9,360	9,074	9,681	10,570	8,222	2,348	0	0
193	SUNY C. of Environmental Science and Forestry	8,259 i	11,257	13,383	10,345 i	3,075 i	7,270 i	0 i	0 i
194	AL A&M U.	9,443	7,900	5,481	10,071	10,031	15	0	25

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Rank	Institution	2006	2007	2008	2009				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
195	George Mason U.	8,869	6,461	8,826	9,700	209	6,208	1,768	1,515
196	IL Institute of Technology	7,549	9,462	10,668	9,460	0	9,460	0	0
197	Carnegie Mellon U.	5,767	6,865	6,116	9,400	806	8,261	197	136
198	Northeastern OH Universities C. of Medicine	5,294	4,984	9,165	9,295	0	6,003	3,292	0
199	U. MA Boston	2,626	5,517	7,138	9,237	0	3,020	3,493	2,724
200	CA State U. Fresno	8,984	4,572 i	6,856	8,834	5,915	2,919	0	0
201	CUNY The City C.	6,749	7,511	8,376	8,783	0	7,173	1,610	0
202	CUNY Queens C.	4,859	6,230	7,880	8,768	0	879	0	7,889
203	Boston C.	4,885	5,611	6,712	8,615	0	6,146	0	2,469
204	OH U. all campuses	10,270	9,701	9,176	8,538	0	3,029	4,838	671
205	TN State U.	7,834	8,459	8,460	8,457	6,811	542	146	958
206	Rice U.	10,546	8,113	7,631	8,140	0	8,134	6	0
207	East TN State U.	6,423	6,489	6,698	7,881	0	3,731	4,132	18
208	Tarleton State U.	5,267	4,526	5,036	7,637	7,607	30	0	0
209	San Francisco State U.	6,871	5,944	8,187	7,599	0	7,250	0	349
210	Universidad Central del Caribe	8,790	9,446	8,243	7,484	0	0	7,484	0
211	Prairie View A&M U.	6,283	7,440	6,851	7,361	7,281	12	68	0
212	U. Southern MS	8,742	7,620	7,208	7,347	0	5,348	817	1,182
213	U. AR Pine Bluff	6,318	5,646	6,324	7,199	7,011	129	0	59
214	U. Central FL	4,945	5,597	5,493	7,153	18	2,690	989	3,456
215	Miami U. all campuses	4,542 i	5,537 i	5,974 i	7,108 i	0 i	7,108 i	0 i	0 i
216	Ponce School of Medicine	7,654	9,103	7,686	7,085	0	0	7,085	0
217	VA State U.	7,984	7,002	7,579	7,027	6,984	37	0	6
218	U. of the VI	7,552	6,283	5,332	6,905	0	0	0	6,905
219	U. NV, Las Vegas	10,531	5,912	6,180	6,846	0	4,071	433	2,342
220	Duquesne U.	5,327	5,317	5,826	6,327	0	2,836	2,650	841
221	Northern IL U.	2,759	3,380	2,476	6,097	0	1,436	4,368	293
222	ID State U.	5,935	6,948	6,677	6,055	0	3,203	2,852	0
223	AR State U. main campus	2,302	3,041	2,766	5,769	2,082	3,685	2	0
224	Brigham Young U. all campuses	7,189	7,660	6,890	5,767	1,490	4,054	0	223
225	U. Memphis, The	6,791	6,859	6,216	5,548	0	2,558	0	2,990
226	SUNY Binghamton	2,701	2,500	3,396	5,410	0	4,074	0	1,336
227	U. North TX	2,851	3,348	4,015	5,409	0	5,130	0	279
228	U. NC Wilmington	3,495	4,866	5,754	5,311	809	3,438	535	529
229	U. AL, The	3,860	4,243	3,140	5,304	0	3,588	1,351	365
230	DE State U.	4,867	4,250	4,505	5,231	3,139	1,968	124	0
231	U. MA Lowell	4,111	4,814	4,754	5,206	0	1,531	0	3,675
232	U. NC Greensboro	4,197	3,443	3,972	5,129	0	2,193	0	2,936
233	U. MD Baltimore County	10,110	5,455	4,727	5,093	0	5,093	0	0
234	KY State U.	3,297	3,511	4,583	5,087	4,977	110	0	0
235	TX A&M U. Corpus Christi	2,677	3,544	4,097	5,065	48	2,358	2,659	0
236	U. NC Charlotte	3,783	3,472	3,617	4,886	0	3,296	1,051	539
237	CA State Polytechnic U. San Luis Obispo	5,221	4,032	4,058	4,800	4,415	385	0	0
238	U. MO-St. Louis	4,664	3,776	3,328	4,749	0	2,290	317	2,142
239	U. CA, Santa Barbara	5,737	6,338	5,845	4,742	0	4,742	0	0
240	Rensselaer Polytechnic Institute	3,573	4,352	4,398	4,687	0	4,687	0	0
241	U. CA, Merced	2,333	2,891	4,480	4,558	0	4,558	0	0
242	Lincoln U. (Jefferson City, MO)	2,797	3,159	3,084	4,542	4,542	0	0	0
243	Humboldt State U.	4,266	4,223	4,405	4,495	515	3,980	0	0
244	U. HI Hilo	1,771	4,756	5,364	4,277	732	3,444	32	69

TABLE 48. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2009 life sciences: FY 2006–09 and by subfield for FY 2009
(Dollars in thousands)

Rank	Institution	2006	2007	2008	2009				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
245	Jackson State U.	11,047	9,602	6,598	4,181	0	3,396	785	0
246	Portland State U.	6,041	5,833	3,054	4,165	0	3,344	821	0
247	Langston U.	4,416	4,405	4,025	4,114	4,114	0	0	0
248	U. GU	6,345	6,110	4,635	4,050	2,002	630	533	885
249	U. MD Eastern Shore	1,738	2,351	5,436	4,038	3,620	418	0	0
250	U. of the Pacific	2,369	2,435	3,542	3,877	0	26	3,851	0
251	Kent State U. all campuses	3,076	3,828	3,813	3,592	0	2,974	574	44
252	TX State U. San Marcos	1,517	1,635	2,436	3,574	15	1,877	340	1,342
253	Stephen F. Austin State U.	5,402	3,576	3,220	3,572	1,877	1,500	195	0
254	CA State U. Fullerton	2,027	2,109	2,648	3,561	10	1,337	1,675	539
255	NC Central U.	3,772	3,883	3,843	3,537	0	3,499	38	0
256	Marquette U.	4,720	3,928	3,855	3,522	0	1,386	1,261	875
257	Mercer U. all campuses	4,420	3,590	3,085	3,511	0	3	2,903	605
258	Midwestern U. (Chicago, IL)	2,786	2,358	2,697	3,457	0	2,648	738	71
259	Palmer C. of Chiropractic	ne	ne	3,340	3,415	0	0	0	3,415
260	Clark Atlanta U.	3,452	3,903	2,982	3,371	0	3,371	0	0
261	Oakland U.	3,099	2,742	3,246	3,348	0	742	0	2,606
262	WV State U.	2,467	2,632	3,685	3,324	2,491	377	157	299
263	Xavier U. LA	2,274	2,573	3,302	3,306	16	546	2,744	0
264	TX Southern U.	2,016	3,160	2,060	3,264	0	3,264	0	0
265	Ft. Valley State U.	2,570	2,610	3,311	3,262	3,262	0	0	0
266	West TX A&M U.	2,829	2,837	2,522	3,177	2,592	490	95	0
267	U. TX Arlington	1,459	1,648	3,371	3,114	0	2,246	0	868
268	U. PR Rio Piedras Campus	3,391	2,810	3,790	3,079	0	3,079	0	0
269	IL State U.	3,547	3,212	3,592	3,070	1,012	1,897	0	161
270	Wesleyan U.	3,724	3,358	3,319	3,030	0	3,030	0	0
271	Boise State U.	1,982	3,715	2,469	2,940	8	1,614	1,122	196
272	U. TX Brownsville	ne	ne	2,809	2,924	0	1,063	1,861	0
273	C. of William and Mary all campuses	2,802	2,283	3,100	2,915	0	2,687	0	228
274	CA State U. San Marcos	ne	ne	420 i	2,862	0	2,862	0	0
275	Nova Southeastern U.	2,024	1,796	2,297	2,854	0	0	2,854	0
276	St. Francis U. (Loretto, PA)	3,946	3,542	3,100	2,848	0	0	0	2,848
277	Albany C. of Pharmacy	2,307	3,248	3,486	2,808	0	0	2,808	0
278	CA State U. Long Beach	3,138	3,028	3,716	2,784	0	1,988	502	294
279	Western WA U.	1,951	1,963	3,208	2,744	0	2,744	0	0
280	SC State U.	834	834	4,347	2,728	2,410	318	0	0
281	SUNY C. of Optometry	1,913	2,231	2,238	2,670	0	0	2,670	0
282	U. LA Monroe	2,221	2,330	6,439	2,643	0	880	1,763	0
283	LA Tech U.	3,399	2,610	2,864	2,612	753	1,095	497	267
284	Tougaloo C.	333	1,560	2,283	2,611	0	979	1,142	490
285	MO State U.	735	1,440	2,257	2,464	1,154	960	344	6
286	Long Island U. all campuses	2,270	2,250 i	2,291	2,389 i	0 i	73 i	2,316 i	0 i
287	Fordham U.	2,317	2,669 i	1,733	2,321	0	2,317	4	0
288	U. AK Anchorage all campuses	4,062	2,896	3,329	2,274	286	1,210	85	693
289	U. Akron all campuses	2,247	2,311	1,976	2,204	0	1,436	642	126
290	Syracuse U. all campuses	2,748	2,600	2,602	2,192	0	2,109	79	4
291	Lehigh U.	2,255	1,535	1,757	2,166	0	2,166	0	0
292	Ball State U.	4,991	4,055	3,920	2,106	61	930	277	838
293	U. TX-Pan American	2,008	1,866	2,273	2,089	30	148	1,911	0
294	U. PR Mayaguez Campus	1,027	601	609 i	2,085	207	1,878	0	0
295	Wichita State U.	1,303	5,515	2,117	2,032	0	935	0	1,097

TABLE 48. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2009 life sciences: FY 2006–09 and by subfield for FY 2009
(Dollars in thousands)

Rank	Institution	2006	2007	2008	2009				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
296	CA State U. Los Angeles	1,461	2,884	3,307	2,023	0	1,634	0	389
297	Western MI U.	3,492	3,646	2,882	1,964	0	554	0	1,410
298	Smith C.	1,487	1,061	1,125	1,889	0	1,889	0	0
299	Teachers C. Columbia U.	2,959	1,981	2,071	1,854	0	0	0	1,854
300	Baylor U.	2,036	2,408	2,554	1,852	0	1,054	0	798
301	U. DC	2,107	2,224	2,767	1,842	691	644	507	0
302	Spelman C.	1,889	2,641	1,499	1,801	0	1,662	0	139
303	U. AL Huntsville, The	1,651	1,161	1,819	1,785	303	1,439	24	19
304	Western KY U.	2,276	1,885	1,851	1,780	308	1,294	28	150
305	Shaw U.	1,357	1,289	1,665	1,777	0	0	1,777	0
306	TX Woman's U.	1,493	1,475	1,795	1,776	0	823	634	319
307	TN Technological U.	645	747	1,206	1,740	532	1,117	0	91
308	U. Denver	2,788	2,362	1,480	1,712	0	1,712	0	0
309	Morgan State U.	2,296	2,632	1,814	1,673	634	529	510	0
310	U. New England	1,223	1,696	1,382	1,672	0	381	1,279	12
311	Sul Ross State U.	770	863	983	1,633	1,108	525	0	0
312	CA State U. Bakersfield	4,823	563	1,002	1,614	0	1,413	0	201
313	New England C. of Optometry	1,711	1,356	1,604	1,596	0	0	1,596	0
314	Southern Methodist U.	2,207	1,997	1,752	1,596	0	1,596	0	0
315	FL Gulf Coast U.	863	1,017	1,050	1,582	18	1,507	57	0
316	Western U. of Health Sciences	1,575	909	1,217	1,572	363	924	285	0
317	St. Cloud State U.	829	1,121	1,193	1,514	0	1,384	103	27
318	Appalachian State U.	1,171	1,020	1,583	1,495	0	1,474	21	0
319	John Bastyr C. of Naturopathic Medicine	ne	ne	ne	1,485	0	0	1,485	0
320	Grand Valley State U.	447	1,498	1,797	1,458	0	612	52	794
321	Cleveland State U.	3,363	2,433	1,351	1,445	0	263	1,146	36
322	Northwestern Health Sciences U.	820	1,289	1,361	1,423	0	0	0	1,423
323	CA State U. East Bay	942	1,738	1,371	1,404	244	1,022	138	0
324	Salus U. ^b	1,642	1,587	1,851	1,380	0	1,380	0	0
325	Calvin C.	400	431	1,699	1,368	799	560	9	0
326	Northwest Indian C.	ne	ne	ne	1,365	326	100	939	0
327	U. AR Little Rock	1,070 i	910 i	750 i	1,340	527	224	589	0
328	U. WI Stevens Point	901	1,285	1,451	1,335	546	758	0	31
329	U. North FL	980	1,068	1,094	1,325	202	388	301	434
330	Touro U.-CA	ne	ne	ne	1,305	0	0	1,305	0
331	Fayetteville State U.	78	578	698	1,298	0	90	725	483
332	Wheeling Jesuit U.	63 i	72	206	1,287	0	0	0	1,287
333	U. MA Dartmouth	1,319	1,228	1,925	1,286	531	711	0	44
334	CUNY Herbert H. Lehman C.	1,573	1,914	2,165	1,279	0	1,066	0	213
335	Philadelphia C. of Osteopathic Medicine	1,015	1,739	1,380	1,221	0	1,078	143	0
336	Governors State U.	748	1,232	1,373	1,209	0	0	0	1,209
337	CUNY Brooklyn C.	1,173	1,479	1,281	1,203	0	1,203	0	0
338	NY Institute of Technology all campuses	2,394	1,414	1,131	1,192	0	0	1,192	0
339	FL Institute of Technology	1,296	1,209	1,801	1,189	0	1,189	0	0
340	U. Dayton	1,437	1,873	1,283	1,184	0	1,172	0	12
341	C. Charleston	1,164	1,221	1,492	1,180	15	1,165	0	0
342	CA State Polytechnic U. Pomona	2,128	2,402	1,688	1,151	9	1,142	0	0
343	Claffin U.	930	1,261 i	1,022	1,146	0	1,146	0	0
344	U.S. Air Force Academy	1,139	330	291	1,140	0	1,140	0	0

TABLE 48. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2009 life sciences: FY 2006–09 and by subfield for FY 2009
(Dollars in thousands)

Rank	Institution	2006	2007	2008	2009				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
345	U. West FL	1,713	2,417	1,416	1,126	77	1,046	0	3
346	Milwaukee School of Engineering	584	748	875	1,076	0	1,076	0	0
347	MI Technological U.	872	923	960	1,054	0	897	0	157
348	Albany State U.	0	0	2,119	1,036	102	923	11	0
349	Worcester Polytechnic Institute	434	921	1,490	1,020	0	1,020	0	0
350	U. San Diego	192	284	175	1,012	0	217	795	0
351	CA State U. Northridge	636	1,075	1,254	1,009	0	990	0	19
352	Murray State U.	1,977	1,567	1,626	1,009	76	923	9	1
353	CA State U. San Bernardino	530	528	704	995	481	359	0	155
354	Kansas City U. of Medicine and Biosciences	1,183	1,267	1,394	992	0	0	992	0
355	Seton Hall U.	1,757	1,615	1,322	979	0	979	0	0
356	Western IL U.	372	782	721	977	752	225	0	0
357	Williams C.	934 i	865 i	899 i	974	201	387	298	88
358	U. Northern CO	790	612	749	963	0	550	196	217
359	Northern KY U.	652	579	758	954	0	904	0	50
360	Southeastern LA U.	1,672	1,124	1,644	954	0	951	0	3
361	Bowdoin C.	1,074	1,065	926	943	0	943	0	0
362	Eastern MI U.	896	270	736	943	0	375	568	0
363	Hope C.	1,409	1,201	747	940	0	383	0	557
364	Amherst C.	829	917	1,211	939	0	865	74	0
365	U. WI La Crosse	794	1,178	808	933	0	720	163	50
366	U. Northern IA	393	885	924	916	669	247	0	0
367	Catholic U. America, The	1,502	1,616	973	915	0	915	0	0
368	Western Carolina U.	266	1,166	844	907	130	644	1	132
369	Desert Research Institute	1,023	1,490	1,530	902	0	902	0	0
370	James Madison U.	1,190	1,302	1,068	892	0	554	338	0
371	Clark U.	1,455	859	753	891	0	891	0	0
372	Black Hills State U.	2,330	2,311	2,069	875	0	875	0	0
373	U. of the Sciences Philadelphia	1,260	837	761	873	0	251	622	0
374	Des Moines U.	899	796	1,002	867	0	0	867	0
375	Barry U.	ne	ne	697	860	0	860	0	0
376	Central MI U.	784	1,207	1,226	860	0	643	0	217
377	Bowling Green State U. all campuses	3,357	1,572	1,907	843	118	418	286	21
378	Western States Chiropractic C.	ne	ne	907	810	0	0	810	0
379	CA State U. Sacramento	0 i	0	75	808	0	203	0	605
380	Angelo State U.	206 i	615	773	803	675	128	0	0
381	Haverford C.	397 i	485 i	604 i	802 i	0 i	802 i	0 i	0 i
382	Dillard U.	191 i	925	1,770	792	0	792	0	0
383	Wellesley C.	781	746	816	789	0	778	0	11
384	Rochester Institute of Technology	1,962	1,933	1,823	773	0	447	326	0
385	St. Joseph's U.	545	479	352	772	0	772	0	0
386	SUNY C. Old Westbury	1,062	1,166	762	772	0	772	0	0
387	Morehead State U.	321	429	957	770	125	645	0	0
388	Middle TN State U.	614	590	707	765	141	468	0	156
389	Bates C.	763	602	554	763	0	730	33	0
390	Dickinson C.	293	467	467	759	0	759	0	0
391	Reed C.	399	662	581	732	0	732	0	0
392	SUNY C. Plattsburgh	145	20	0	732	0	34	0	698
393	MT Tech of the U. MT	616	561	487	731	0	731	0	0
394	Middlebury C.	681 i	711	648	725	0	725	0	0

TABLE 48. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2009 life sciences: FY 2006–09 and by subfield for FY 2009
(Dollars in thousands)

Rank	Institution	2006	2007	2008	2009				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
395	U. Tulsa	884	794	855	724	0	724	0	0
396	GA Southern U.	1,053	1,032	578	721	0	370	186	165
397	Fairfield U.	345	734	939	714	0	387	0	327
398	Universidad del Este	432	406	416	706	0	197	0	509
399	CA State U. Dominguez Hills	854	806	724	700	0	680	20	0
400	CA State U. Chico	863 i	674 i	485 i	699	425	274	0	0
401	Lewis & Clark C.	510	752	617	698 i	0 i	698 i	0 i	0 i
402	Benedict C.	965	1,038	898	695	0	695	0	0
403	IN State U. all campuses	540	487	651	693	0	636	57	0
404	U. WI Oshkosh	829	801	964	676	0	644	32	0
405	Colgate U.	459	425	544	673	0	673	0	0
406	Franklin & Marshall C.	317	456	338	664	0	664	0	0
407	Central State U.	232	232	255	648	0	324	0	324
408	San Jose State U.	482	591	452	641	0	641	0	0
409	American U.	76	195	129	626	0	626	0	0
410	A.T. Still U. of Health Sciences	1,439	826	1,179	623	0	113	420	90
411	Bryn Mawr C.	625	313	532	619	0	619	0	0
412	Bucknell U.	580	504	379	617	0	617	0	0
413	Providence C.	373	526	520	615	0	615	0	0
414	U. Richmond	441	396	635	614	0	614	0	0
415	Villanova U.	798 i	673	584 i	610 i	0 i	475 i	135 i	0 i
416	Augustana C. (Sioux Falls, SD)	684	595	591	609	0	609	0	0
417	Millsaps C.	471	529	548	608 i	0 i	608 i	0 i	0 i
418	Truman State U.	126	462	614	601	32	569	0	0
419	Pace U. all campuses	255	539	891	599	0	326	273	0
420	U. MO-Rolla	714	610	559	592	0	412	0	180
421	Eastern WA U.	211	334	670	590	0	590	0	0
422	Pomona C.	847	1,011	523	586	0	586	0	0
423	U. NC Asheville	185	146	400	586	29	373	184	0
424	Ithaca C.	619	498	595	584	0	266	0	318
425	Swarthmore C.	682	136	121	565	0	565	0	0
426	U. TX Tyler	309	507	515	563	0	518	45	0
427	Nicholls State U.	404	389	370	562	0	561	1	0
428	Occidental C.	280	360	488	554	0	554	0	0
429	Cheyney U. PA	278	274	487	529	169	0	360	0
430	Santa Clara U.	2,563 i	2,642 i	2,761 i	523	50	473	0	0
431	Sam Houston State U.	580	84	0	521	0	521	0	0
432	Minot State U.	ne	ne	ne	519	0	15	504	0
433	West Liberty State C.	508	415	336	519	0	519	0	0
434	TX Christian U.	303	141	361	514	0	119	388	7
435	WV School of Osteopathic Medicine	266	349	520	510	0	0	510	0
436	Mt. Holyoke C.	367	402	418	502	0	502	0	0
437	Mt. St. Mary's C. (Los Angeles, CA)	462	454	307	498	0	498	0	0
438	Barnard C.	650	152	288	492	0	492	0	0
439	Montclair State U.	478 i	382 i	397 i	488 i	0 i	488 i	0 i	0 i
440	U. AK Southeast all campuses	359	582	532	488	53	435	0	0
441	Northeastern State U.	1,023	543	458	486	0	486	0	0
442	Clarkson U.	826	684	260	484	0	481	0	3
443	Loyola Marymount U.	268	245	546	465	0	465	0	0
444	Towson U.	226	222	324	465	0	350	0	115
445	NJ Institute of Technology	446	0	161	461	0	461	0	0
446	Union C. (Schenectady, NY)	578	415	550	457	0	457	0	0

TABLE 48. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2009 life sciences: FY 2006–09 and by subfield for FY 2009
(Dollars in thousands)

Rank	Institution	2006	2007	2008	2009				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
447	U. Central AR	2,103 i	2,124 i	482 i	444 i	219 i	190 i	16 i	19 i
448	NM Highlands U.	0	328	357	441	0	441	0	0
449	Hendrix C.	169	85	126	440	0	440	0	0
450	Christopher Newport U.	455	230	322	436	0	436	0	0
451	Gallaudet U.	467	411	419 i	434 i	0 i	434 i	0 i	0 i
452	Eastern KY U.	273	195	310	431	3	375	50	3
453	Sonoma State U.	442	303	444	431	0	431	0	0
454	Mercy C.	425	381	227	430	0	3	427	0
455	National U. of Health Sciences	597	580	522	425	0	0	0	425
456	Harvey Mudd C.	177	251	341	416	0	416	0	0
457	Chapman U.	354	266	224	410	0	342	0	68
458	Indiana U. PA all campuses	3	201	521	408	0	220	0	188
459	U. WI Eau Claire	145	189	313	394	0	217	0	177
460	U. WI Platteville	412	372	335	388	375	13	0	0
461	Agnes Scott C.	ne	ne	ne	387	0	87	300	0
462	Gonzaga U.	ne	ne	289	385	0	385	0	0
463	Morehouse C.	1,081	1,686	1,634	384	0	384	0	0
464	Vassar C.	334	245	384	383	0	378	5	0
465	MT State U. Billings	644	492	376	372	0	372	0	0
466	Pacific U.	164	727	678	368	0	77	0	291
467	Colby C.	575	406	353	363	0	363	0	0
468	Pepperdine U.	ne	ne	342	354	0	335	19	0
469	Southern U. Baton Rouge ^o	565	586	952	351	48	297	6	0
470	Kennesaw State U.	157	433	292	349	0	221	128	0
471	Daemen C.	ne	529	381	346	0	0	0	346
472	U. PR Humacao	771	672	339	334	0	334	0	0
473	Kenyon C.	ne	ne	538	331	0	331	0	0
474	Southern U. New Orleans	56	0	0	328	0	328	0	0
475	Macalester C.	434	459	314	317	0	317	0	0
476	U. Scranton	434	372	264	314	0	272	1	41
477	Vanguard U. Southern CA	ne	ne	281	311 i	0 i	22 i	0 i	289 i
478	Eastern OR U.	504	386	306	310	280	30	0	0
479	Salish Kootenai C.	ne	ne	266	310	115	195	0	0
480	Norfolk State U.	275	272	295	307	0	145	0	162
481	Rider U.	393	339	363	301	0	301	0	0
482	Wiley C.	ne	ne	0	298	0	298	0	0
483	Eastern IL U.	0 i	452	400	297	0	297	0	0
484	Muhlenberg C.	326	387	356	295	0	221	0	74
485	Fairmont State U.	ne	ne	473	294	0	290	0	4
486	Grambling State U.	237	2	272	291 i	2 i	289 i	0 i	0 i
487	St. John's U. (Jamaica, NY)	297	575	447	291	0	291	0	0
488	U. of St. Thomas (St. Paul, MN)	111	89	244	291	0	291	0	0
489	Trinity C. (Hartford, CT)	191	283	217	290	0	119	165	6
490	C. of the Holy Cross	261	90	128	289	0	289	0	0
491	Northwestern State U.	248	232	306	286	171	10	75	30
492	Seattle U.	64 i	77 i	372	285	0	285	0	0
493	Oakwood C.	343 i	ne	0	284	0	0	284	0
494	CA State U. Monterey Bay	705	545	672	279	87	85	0	107
495	Claremont McKenna C.	ne	253 i	251 i	279 i	0 i	159 i	44 i	76 i
496	Winona State U.	ne	609	541	278	0	83	195	0
497	Siena C.	87 i	80 i	78	273	0	273	0	0
498	Furman U.	436	173	142	270	0	270	0	0

TABLE 48. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2009 life sciences: FY 2006–09 and by subfield for FY 2009
(Dollars in thousands)

Rank	Institution	2006	2007	2008	2009				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
499	St. Olaf C.	639	721	778	268	0	268	0	0
500	Roger Williams U. Bristol	480	434	351	266	0	266	0	0
501	Northern MI U.	118 i	123	145	262	0	257	5	0
502	SUNY C. Geneseo	111	109	247	251	0	250	0	1
503	Carleton C.	223	342	250	250	0	250	0	0
504	CT C.	339	284	193	250	0	250	0	0
505	Concordia C. (Moorhead, MN)	ne	ne	277	245	0	221	24	0
506	Bradley U.	172	175	243	243	0	239	0	4
507	SUNY C. Oneonta	ne	ne	121	243	0	243	0	0
508	Western OR U.	ne	ne	240	240	0	24	216	0
509	Lincoln U. (Lincoln University, PA)	158	238	247	239	0	239	0	0
510	Southern OR U.	365	317	283	239	0	239	0	0
511	U. Puget Sound	61	251	290	234	0	231	0	3
512	West Chester U. PA	141	447	1,935	234	0	220	0	14
513	Armstrong Atlantic State U.	ne	ne	ne	232 i	75 i	111 i	26 i	20 i
514	Jacksonville U.	165	317	241	230	0	203	27	0
515	U. WI River Falls	115	107	198	230	136	92	0	2
516	Bridgewater State C.	23	31 i	499	229	0	229	0	0
517	SUNY C. Buffalo	364	36	146	229	0	229	0	0
518	Rhodes C.	123	138	238	227	0	227	0	0
519	Trinity U.	433	386	297	227	0	227	0	0
520	U. Portland	224	215	205	226	0	146	80	0
521	Evergreen State C.	118	65	138	225	0	225	0	0
522	Mayville State U.	243	224	224	224	0	224	0	0
523	Skidmore C.	312	233	234	224	0	224	0	0
524	Juniata C.	200	175	109	223	0	223	0	0
525	U. Houston-Downtown	3	81	137	218	45	173	0	0
526	Frostburg State U.	ne	ne	ne	215	0	215	0	0
527	Weber State U.	ne	ne	ne	214	0	208	0	6
528	Southern CT State U.	808 i	0	495	211	0	0	199	12
529	Arcadia U.	233 i	355	187	207	0	55	152	0
530	Hofstra U.	351	234	298	205	0	205	0	0
531	NM Institute of Mining and Technology	249	290	347	204	0	204	0	0
532	U. Detroit Mercy	90	92 i	ne	200	0	0	158	42
533	Goucher C.	ne	203	239	197	0	197	0	0
534	Grinnell C.	118	137	349	196	0	196	0	0
535	Lawrence Technological U.	0	0	0	196	0	65	131	0
536	CUNY Baruch C.	564	606	379	188	0	66	122	0
537	Radford U.	102	ne	122	188	0	160	0	28
538	Willamette U.	114	133	100	188	0	188	0	0
539	Fitchburg State C.	160	ne	ne	185	0	185	0	0
540	U. WI Whitewater	185	182	236	185	0	185	0	0
541	CO State U. Pueblo	303	86	164	183	0	181	2	0
542	Wabash C.	44	99	290	180	0	180	0	0
543	Savannah State U.	381	396	144	178	0	43	135	0
544	Niagara U.	ne	ne	ne	177	0	177	0	0
545	MN State U. Mankato	442	416	242	175	0	175	0	0
546	TX A&M International U.	ne	ne	97	175	0	52	123	0
547	Lake Forest C.	142	130	155	173	0	173	0	0
548	Central WA U.	111	185	503	169	0	169	0	0
549	Loyola U. New Orleans	214	167	310	169	0	169	0	0

TABLE 48. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2009 life sciences: FY 2006–09 and by subfield for FY 2009
(Dollars in thousands)

Rank	Institution	2006	2007	2008	2009				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
550	Pittsburg State U.	209	173	110	167	0	167	0	0
551	Plymouth State U.	ne	ne	103	160	0	45	0	115
552	William Paterson U. NJ	ne	118 i	128	158	14	71	73	0
553	St. Mary's C. MD	203	201	191	157	0	157	0	0
554	Wilkes U.	89	119	148	157	0	156	1	0
555	C. Wooster	9 i	268	216	155	0	155	0	0
556	SUNY C. Oswego	15	0	10	154	0	154	0	0
557	OH Wesleyan U.	146	125	86	151	0	151	0	0
558	Hampton U.	2,405	1,203	923	149	0	133	14	2
559	CUNY C. Staten Island	142	127	175	148	0	148	0	0
560	St. Michael's C.	ne	ne	ne	144	0	144	0	0
561	Simmons C.	99	73	74	143	0	69	0	74
562	Ft. Lewis C.	187	141	150 i	139	0	139	0	0
563	Universidad Metropolitana	138	179	134	138	0	29	4	105
564	Whitman C.	117	134	208	138	0	130	0	8
565	U. West GA	275	325	325	131	0	131	0	0
566	Ursinus C.	309	234	246	131	0	131	0	0
567	Wilberforce U.	1,073 i	80	136	130	0	0	130	0
568	Midwestern State U.	ne	ne	ne	128	0	17	0	111
569	OH Northern U.	ne	ne	ne	128	0	11	117	0
570	U. Hartford	112	27	1	128	0	0	128	0
571	Roanoke C.	171	184	169	127	0	125	0	2
572	CUNY Medgar Evers C.	164	96	101	125	0	125	0	0
573	U. San Francisco	94	158	132	125	0	51	74	0
574	U. Central OK	150	106	60	121	0	121	0	0
575	TX A&M U. Commerce	122	181	143	117	99	18	0	0
576	Fairleigh Dickinson U. all campuses	ne	105 i	111 i	116 i	1 i	41 i	71 i	3 i
577	Denison U.	105	68	101 i	115 i	0 i	115 i	0 i	0 i
578	U. WI Parkside	232	61	76	112	0	112	0	0
579	VA Military Institute	41	18	34	111	0	111	0	0
580	DePauw U.	81 i	81 i	80	110	0	105	0	5
581	Drake U.	157	130	156	110	0	110	0	0
582	St. John's U. (Collegeville, MN)	ne	ne	153	110	0	68	0	42
583	DePaul U.	155	79	129	109	0	95	14	0
584	MA C. of Pharmacy and Health Sciences	601 i	285	227	109	0	0	109	0
585	Oberlin C.	64	155	89	107	0	96	11	0
586	McNeese State U.	29	29	61	105	83	22	0	0
587	Jarvis Christian C.	255	ne	ne	103	0	103	0	0
588	Universidad del Turabo	197	0	92	103	0	103	0	0
589	Mesa State C.	ne	ne	204	102	16	46	0	40
590	Monmouth U.	0	0	60	102	0	102	0	0
591	Luther C.	ne	ne	106	101	35	25	41	0
592	Central CT State U.	119	201	50	99	0	99	0	0
593	Western CT State U.	ne	202	230	99	0	99	0	0
594	Canisius C.	343	87	96	98	0	98	0	0
595	CO C.	ne	ne	18	96	0	71	0	25
596	Benedictine U.	ne	ne	148	94	0	94	0	0
597	Davidson C.	34	573	93	94	0	94	0	0
598	Embry-Riddle Aeronautical U.	0 i	0	0	93	93	0	0	0
599	Sarah Lawrence C.	132	120	92	92	0	0	92	0

TABLE 48. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2009 life sciences: FY 2006–09 and by subfield for FY 2009
(Dollars in thousands)

Rank	Institution	2006	2007	2008	2009				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
600	IL Wesleyan U.	134	77	126	90	0	43	47	0
601	AR Tech U.	71 i	79 i	79 i	84 i	0 i	84 i	0 i	0 i
602	John Carroll U.	118	59	91	81	0	81	0	0
603	Mills C.	132 i	140 i	140 i	81	0	81	0	0
604	Lamar U.	7	15	53	80	0	24	56	0
605	Hamilton C. (Clinton, NY)	117	373	82	77	0	77	0	0
606	Pitzer C.	1	4	18	77	0	0	77	0
607	Allegheny C.	95	70	31	74	0	74	0	0
608	Pacific Lutheran U.	63 i	121	108	74	0	74	0	0
609	Andrews U.	50	32	38	73	0	70	0	3
610	U. PR Cayey	ne	253	420	73	0	73	0	0
611	Elizabethtown C.	ne	ne	ne	72	0	72	0	0
612	Adelphi U.	136 i	183	188	70	0	70	0	0
613	Lafayette C.	117	53	65	69	0	69	0	0
614	Lawrence U.	42	84	98	69	0	69	0	0
615	SUNY C. Potsdam	ne	ne	ne	64	0	64	0	0
616	U. IL Springfield	4	22	13	63	0	63	0	0
617	SUNY C. Brockport	487	495	119	60	0	60	0	0
618	Rowan U.	152	131	94	59	0	17	0	42
619	CUNY John Jay C. of Criminal Justice	19	5	57	58	0	58	0	0
620	Seattle Pacific U.	ne	56 i	ne	57	0	57	0	0
621	Augustana C. (Rock Island, IL)	54	52 i	ne	55	0	55	0	0
622	Mercyhurst C.	43	43	64	54	0	42	0	12
623	SUNY Fredonia	108	81	23	54	0	54	0	0
624	Youngstown State U.	100	156	107	53	0	41	0	12
625	Valparaiso U.	24	58	43	51	0	51	0	0
626	C. NJ, The	283	121	0	50	0	49	0	1
627	Sinte Gleska U.	0	173	428	49	0	0	49	0
628	U. Houston-Clear Lake	199	142	46	49	0	49	0	0
629	Millersville U. PA	115 i	121	ne	48	0	0	0	48
630	Gustavus Adolphus C.	168	41	45	46	0	22	24	0
631	U. WI Stout	51	87	87	43	0	43	0	0
632	CUNY Graduate Ctr.	0	16	103	42	0	23	0	19
633	Troy U. main campus	51	61	ne	42	0	34	6	2
634	Coastal Carolina U.	42	40	60	40	0	40	0	0
635	MS Valley State U.	102	0	34	38	0	0	0	38
636	U. WI Green Bay	0	1	0	38	0	38	0	0
637	Saginaw Valley State U.	57	67	64	33	0	30	0	3
638	Gettysburg C.	126	62	33	26	0	26	0	0
639	Kalamazoo C.	186	109	78	26	0	26	0	0
640	Jacksonville State U.	1,218	364	ne	25	0	25	0	0
641	Southeastern OK State U.	122	73	47	23	0	23	0	0
642	Northeastern IL U.	65	30	76	17	0	17	0	0
643	SUNY New Paltz	ne	ne	36	16	0	0	0	16
644	SUNY C. Cortland	98	100	28	14	0	14	0	0
645	Eckerd C.	ne	ne	30	10	0	10	0	0
646	Elizabeth City State U.	407	894	197	10	0	0	10	0
647	North GA C. & State U.	ne	ne	ne	10	0	9	1	0
648	U. WI Superior	6	7	37	10	0	10	0	0
649	CUNY New York City C. of Technology	ne	ne	6	9	0	9	0	0

TABLE 48. R&D expenditures in the life sciences at universities and colleges, ranked by all FY 2009 life sciences: FY 2006–09 and by subfield for FY 2009
(Dollars in thousands)

Rank	Institution	2006	2007	2008	2009				Life sciences, nec
					All life sciences	Agricultural sciences	Biological sciences	Medical sciences	
650	New School, The	0	0	0	8	0	8	0	0
651	U. TX of the Permian Basin	ne	60	55	8	0	8	0	0
652	Abilene Christian U.	8	14	13	7	0	7	0	0
653	Coe C.	ne	52	2	7	0	7	0	0
654	U.S. Coast Guard Academy	0	0	0	5	0	5	0	0
655	Hobart and William Smith Colleges	ne	0	0	2	2	0	0	0
All other surveyed institutions		27,659	8,609	3,523	0	0	0	0	0

i = imputed. ne = not eligible; institution did not meet the criteria for inclusion.

nec = not elsewhere classified.

^a The Johns Hopkins University includes the Applied Physics Laboratory, with \$40,374 in total R&D expenditures in the life sciences in FY 2009.

^b On 1 July 2008 PA College of Optometry was renamed Salus University to reflect an expansion of its academic programs.

^c In previous publications of this report Southern University Baton Rouge was listed as Southern University and A&M College.

NOTES: Institutions reporting zero expenditures in the ranked total for FY 2009 are not listed in this table. Tied institutions are ranked alphabetically.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, FY 2009.