

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
	All institutions	34,902,793	2,984,189	10,947,345	19,164,242	1,807,017	21,686,463	955,959	7,564,364	12,066,037	1,100,103
1	U. CA, San Francisco	920,548	0	31,288	889,260	0	503,813	0	21,509	482,304	0
2	Duke U.	837,336	0	231,328	586,147	19,861	417,450	0	168,720	236,770	11,960
3	Johns Hopkins U., The ^a	817,017	0	208,516	556,555	51,946	632,289	0	154,576	431,528	46,185
4	U. MI-Ann Arbor	702,173	11,587	156,182	395,608	138,796	458,411	4,005	121,942	281,812	50,652
5	U. Pittsburgh main campus	699,640	0	62,853	615,792	20,995	508,957	0	51,465	440,869	16,623
6	U. WA Seattle	671,485	8,166	134,385	371,600	157,334	540,825	5,824	118,562	313,728	102,711
7	U. PA	663,497	5,908	227,786	413,490	16,313	530,240	34	191,848	324,983	13,375
8	U. CA, Los Angeles	657,557	0	25,045	632,512	0	383,499	0	18,621	364,878	0
9	U. WI-Madison	632,202	45,166	222,418	358,041	6,577	318,490	14,986	139,933	162,016	1,555
10	Washington U. St. Louis	625,867	0	218,207	391,961	15,699	419,723	0	166,085	245,897	7,741
11	U. NC Chapel Hill	592,877	0	204,903	310,372	77,602	422,020	0	152,160	216,107	53,753
12	U. MN Twin Cities	555,832	76,884	111,147	362,187	5,614	294,462	22,386	66,567	202,164	3,345
13	Columbia U. in the City of New York	555,228	2,501	145,258	393,490	13,979	389,332	2	112,151	271,804	5,375
14	Yale U.	538,095	595	167,922	369,578	0	416,083	93	127,245	288,745	0
15	U. CA, San Diego	537,457	21	40,856	495,149	1,431	349,082	0	26,841	322,098	143
16	U. TX M. D. Anderson Cancer Ctr.	531,040	0	176,745	354,295	0	180,374	0	65,665	114,709	0
17	Stanford U.	500,125	0	174,651	275,836	49,638	356,675	0	139,240	182,485	34,950
18	U. CA, Davis	488,382	125,917	156,350	206,115	0	250,396	36,126	89,188	125,082	0
19	Cornell U.	487,073	61,558	115,658	296,686	13,171	257,350	17,322	64,115	172,264	3,649
20	U. FL	458,092	138,613	130,815	149,784	38,880	180,901	27,096	65,540	64,176	24,089
21	U. AL Birmingham, The	455,195	0	116,525	334,131	4,539	298,758	0	94,183	202,433	2,142
22	Baylor C. of Medicine	447,874	0	237,887	209,987	0	284,072	0	171,926	112,146	0
23	OH State U.	431,561	64,701	83,573	260,059	23,228	241,995	20,114	57,688	149,465	14,728
24	U. TX Southwestern Medical Ctr. Dallas	419,220	0	179,590	238,208	1,422	232,027	0	108,603	122,709	715
25	Emory U.	399,134	0	158,022	212,374	28,738	308,175	0	136,253	148,386	23,536
26	Northwestern U.	388,479	0	141,928	235,954	10,597	254,391	0	65,636	180,318	8,437
27	Scripps Research Institute, The	387,298	0	387,298	0	0	313,746	0	313,746	0	0
28	Vanderbilt U.	387,026	0	158,726	213,529	14,771	303,454	0	124,975	167,996	10,483
29	Mt. Sinai School of Medicine	370,666	0	139,419	231,247	0	302,770	0	122,981	179,789	0
30	U. CO Denver and Health Sciences Ctr.	368,790	0	39,311	310,515	18,964	268,876	0	33,638	217,431	17,807
31	Harvard U.	363,461	0	228,571	132,897	1,993	313,504	0	192,177	121,062	265
32	Case Western Reserve U.	357,020	0	84,908	243,794	28,318	290,065	0	67,383	198,506	24,176
33	U. Southern CA	352,775	0	23,978	314,772	14,025	237,638	0	17,926	209,677	10,035
34	U. MD Baltimore	352,573	0	92,338	243,867	16,368	205,834	0	57,816	137,027	10,991
35	U. Cincinnati	339,154	0	76,318	244,330	18,506	237,300	0	54,869	174,914	7,517

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
36	U. IA	333,794	0	94,066	214,059	25,669	220,116	0	67,148	136,941	16,027
37	U. Chicago	323,302	0	131,894	188,497	2,911	250,015	0	113,410	134,306	2,299
38	Yeshiva U.	313,816	0	0	313,816	0	162,975	0	0	162,975	0
39	U. Rochester	296,486	0	70,087	217,333	9,066	223,438	0	59,380	158,673	5,385
40	NY U.	282,201	0	108,753	161,329	12,119	202,967	0	84,000	110,723	8,244
41	OR Health & Science U.	281,807	0	138,319	132,705	10,783	220,302	0	114,907	97,858	7,537
42	U. IL Chicago	277,631	0	67,097	195,851	14,683	181,606	0	46,727	123,680	11,199
43	U. AZ	275,379	50,091	90,438	127,797	7,053	134,237	16,274	52,636	60,525	4,802
44	IN U.-Purdue U. Indianapolis	265,310	0	69,249	186,093	9,968	136,045	0	44,828	85,992	5,225
45	PA State U. University Park and Hershey Medical Ctr.	252,599	90,548	55,323	106,728	0	123,518	30,326	27,038	66,154	0
46	U. South FL	251,450	0	49,950	201,387	113	177,142	0	36,788	140,354	0
47	U. KY	249,560	55,395	71,389	115,183	7,593	117,659	12,335	41,274	59,020	5,030
48	Rockefeller U.	247,502	0	231,644	15,858	0	82,790	0	72,454	10,336	0
49	U. TX Health Science Ctr. Houston	240,772	0	38,114	101,380	101,278	150,324	0	32,567	56,088	61,669
50	U. UT	237,655	0	47,382	139,275	50,998	156,750	0	35,443	101,756	19,551
51	U. MA Worcester	232,039	0	77,718	124,323	29,998	178,293	0	67,250	86,260	24,783
52	U. of Medicine & Dentistry NJ	230,235	0	100,811	129,424	0	123,399	0	54,124	69,275	0
53	SUNY Buffalo	227,367	0	60,796	158,613	7,958	105,165	0	35,459	67,012	2,694
54	Boston U.	227,225	0	10,232	214,738	2,255	196,021	0	8,320	187,124	577
55	Medical U. SC	224,632	0	86,269	83,389	54,974	131,650	0	61,937	38,252	31,461
56	MI State U.	218,524	94,043	85,253	33,491	5,737	93,829	24,991	50,387	15,816	2,635
57	U. TX Health Science Ctr. San Antonio	207,115	0	53,271	145,715	8,129	121,723	0	40,258	80,781	684
58	U. Miami	205,369	0	32,074	170,942	2,353	132,808	0	26,276	104,445	2,087
59	U. CA, Berkeley	202,999	66,322	68,480	68,197	0	109,736	25,118	51,116	33,502	0
60	Purdue U. main campus	200,781	117,440	42,549	27,809	12,983	75,700	32,104	25,742	10,755	7,099
61	U. CA, Irvine	197,831	0	97,186	100,645	0	119,546	0	63,930	55,616	0
62	TX A&M U.	193,506	121,350	23,886	48,270	0	64,551	40,714	9,007	14,830	0
63	Medical C. WI	191,816	0	54,389	137,427	0	121,750	0	34,522	87,228	0
64	U. KS	188,604	2,135	86,987	79,656	19,826	99,146	420	57,305	31,635	9,786
65	Wake Forest U.	188,268	0	1,493	186,775	0	156,538	0	1,269	155,269	0
66	Wayne State U.	187,547	0	35,137	142,055	10,355	103,324	0	19,018	83,312	994
67	U. VA main campus	186,795	0	60,006	124,465	2,324	153,843	0	48,651	103,293	1,899
68	U. TX Medical Branch	186,552	0	81,245	105,307	0	127,953	0	51,525	76,428	0
69	U. IL Urbana-Champaign	180,847	111,990	64,161	3,190	1,506	82,011	41,873	37,430	2,252	456
70	Rutgers, the State U. NJ-New Brunswick	176,552	37,919	77,496	43,090	18,047	96,272	10,248	51,326	30,543	4,155
71	NC State U.	176,506	82,432	82,066	6	12,002	53,196	13,027	35,356	0	4,813
72	U. GA	167,714	64,375	88,623	13,109	1,607	86,723	19,838	59,753	6,116	1,016

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
73	VA Polytechnic Institute and State U.	160,521	88,812	54,460	13,743	3,506	54,666	26,864	22,787	2,925	2,090
74	LA State U. and A&M C.	156,539	72,339	80,089	4,003	108	50,880	8,766	41,686	342	86
75	WA State U.	155,270	88,878	32,485	30,892	3,015	48,775	17,618	14,698	15,599	860
76	U. CT	154,297	6,696	85,264	58,150	4,187	81,681	3,276	48,042	28,198	2,165
77	Dartmouth C.	144,926	0	6,681	138,245	0	88,888	0	4,352	84,536	0
78	U. TN Knoxville	143,301	38,864	51,961	47,700	4,776	72,170	7,234	42,370	22,192	374
79	U. NE Medical Ctr.	138,219	0	74,511	63,350	358	80,784	0	49,510	31,128	146
80	VA Commonwealth U.	136,426	0	55,300	71,184	9,942	108,794	0	49,098	51,052	8,644
81	Tulane U.	134,497	0	33,611	28,388	72,498	93,386	0	25,826	13,563	53,997
82	Georgetown U.	131,700	0	12,021	109,775	9,904	110,149	0	11,357	90,044	8,748
83	George Washington U.	131,369	66	20,676	76,113	34,514	85,955	54	13,703	63,781	8,417
84	U. Louisville	126,600	0	37,951	77,214	11,435	62,369	0	27,253	30,383	4,733
85	CO State U.	124,966	32,282	32,137	59,657	890	77,172	13,749	23,247	39,544	632
86	Tufts U.	124,288	0	86,273	38,015	0	94,304	0	65,546	28,758	0
87	U. NM	123,116	5	32,245	86,553	4,313	87,215	4	27,665	59,393	153
88	IA State U.	122,940	50,704	53,084	15,242	3,910	48,045	16,894	23,222	5,711	2,218
89	MA Institute of Technology	122,182	0	88,745	19,744	13,693	82,036	0	66,422	5,489	10,125
90	Uniformed Services U. of the Health Sciences	119,564	0	12,361	107,203	0	63,782	0	5,255	58,527	0
91	U. AR for Medical Sciences	119,518	0	42,300	73,199	4,019	72,217	0	27,704	42,459	2,054
92	OR State U.	116,594	67,311	43,450	3,394	2,439	61,116	29,262	26,791	2,747	2,316
93	SUNY Albany	111,755	0	106,478	5,219	58	102,167	0	99,152	3,015	0
94	U. OK	110,389	0	44,994	61,237	4,158	64,135	0	31,200	30,374	2,561
95	MS State U.	109,118	100,286	5,022	2,600	1,210	36,453	33,251	2,388	19	795
96	U. VT	107,860	12,380	38,350	51,591	5,539	83,721	7,650	32,485	39,891	3,695
97	U. HI Manoa	103,451	16,710	9,103	67,857	9,781	68,405	7,018	4,683	51,553	5,151
98	Thomas Jefferson U.	103,064	0	50,501	49,740	2,823	77,817	0	39,039	36,132	2,646
99	KS State U.	101,424	57,354	42,483	1,587	0	38,928	14,621	23,773	534	0
100	Brown U.	98,748	175	28,436	46,863	23,274	67,171	140	18,487	34,114	14,430
101	U. MO-Columbia	98,461	24,081	26,466	44,699	3,215	81,759	18,243	23,498	37,232	2,786
102	SUNY Stony Brook	92,247	0	45,940	46,000	307	60,757	0	34,118	26,540	99
103	WV U.	88,708	24,028	18,277	43,561	2,842	42,574	10,294	13,492	17,755	1,033
104	Temple U.	81,575	798	31,567	39,029	10,181	55,642	16	21,689	25,543	8,394
105	TX A&M U. System Health Science Ctr.	81,462	276	239	80,947	0	32,139	179	226	31,734	0
106	Auburn U. main campus	81,100	59,366	4,630	13,756	3,348	18,565	12,138	2,265	1,161	3,001
107	U. MD College Park	79,077	48,134	19,540	0	11,403	42,412	19,427	14,902	0	8,083
108	U. NE-Lincoln	76,634	36,539	33,965	120	6,010	38,463	18,455	18,149	0	1,859
109	Medical C. GA	72,015	0	52,662	17,472	1,881	51,727	0	38,609	11,759	1,359

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		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
110	U. MS and U. MS Medical Ctr.	71,161	0	16,449	45,090	9,622	44,172	0	11,460	29,952	2,760
111	Rush U.	71,160	0	17,904	48,301	4,955	49,113	0	13,649	31,286	4,178
112	ND State U.	69,034	60,653	1,419	6,923	39	12,878	10,369	860	1,614	35
113	OK State U. main campus	67,872	36,052	30,589	679	552	17,101	6,608	10,204	289	0
114	U. SC Columbia	66,953	0	19,366	47,587	0	42,655	0	12,893	29,762	0
115	AZ State U.	65,843	0	54,155	0	11,688	34,518	0	26,101	0	8,417
116	U. TX Austin	63,739	316	39,303	22,638	1,482	43,973	3	26,028	16,565	1,377
117	U. CA, Riverside	61,828	12,773	45,713	3,342	0	22,122	3,778	16,654	1,690	0
118	U. AR main campus	61,553	58,900	2,340	0	313	13,338	11,861	1,417	0	60
119	LA State U. Health Sciences Ctr. New Orleans	59,776	0	21,606	36,152	2,018	46,142	0	18,834	25,740	1,568
120	Drexel U.	59,237	0	23,399	32,611	3,227	38,026	0	13,458	22,692	1,876
121	CA Institute of Technology	57,365	0	57,365	0	0	48,731	0	48,731	0	0
122	UT State U.	56,963	44,217	12,072	674	0	21,628	17,477	3,852	299	0
123	U. ID	53,308	31,571	16,312	5,425	0	25,412	11,913	9,549	3,950	0
124	MT State U. Bozeman	51,406	34,855	6,663	2,509	7,379	30,499	19,406	4,532	1,817	4,744
125	U. MA Amherst	51,328	21,710	22,495	6,410	713	27,825	10,580	14,969	1,883	393
126	TX Tech U. Health Sciences Ctr.	51,282	0	19,548	31,734	0	12,950	0	8,163	4,787	0
127	U. MT-Missoula, The	47,695	10,364	22,977	11,412	2,942	33,997	6,384	14,494	10,564	2,555
128	Southern IL U. Carbondale	47,304	11,308	8,272	27,439	285	15,632	2,744	3,587	9,301	0
129	Princeton U.	46,746	0	46,746	0	0	33,731	0	33,731	0	0
130	SD State U.	44,741	29,319	4,207	3,797	7,418	23,503	13,163	2,294	1,698	6,348
131	Eastern VA Medical School	44,420	0	22,187	22,233	0	29,291	0	19,403	9,888	0
132	SUNY Upstate Medical U.	43,824	0	11,268	32,556	0	27,959	0	7,837	20,122	0
133	San Diego State U.	43,563	0	24,763	15,596	3,204	26,043	0	14,701	8,581	2,761
134	St. Louis U.	43,066	0	10,093	32,486	487	30,984	0	8,805	21,774	405
135	Clemson U.	42,739	16,682	22,610	512	2,935	10,341	3,415	5,846	345	735
136	IN U. Bloomington	42,337	0	32,446	5,675	4,216	22,542	0	17,660	3,442	1,440
137	U. NV, Reno	42,120	18,647	17,493	5,410	570	27,085	6,475	16,206	3,914	490
138	U. DE	40,948	25,899	9,210	0	5,839	20,710	9,766	6,150	0	4,794
139	U. ME	40,454	26,589	11,540	89	2,236	14,811	9,670	4,799	0	342
140	FL State U.	40,447	37	23,328	13,431	3,651	23,069	10	14,035	6,878	2,146
141	U. CO Boulder	39,624	12	28,264	2	11,346	31,802	11	21,967	0	9,824
142	U. PR Medical Sciences Campus	39,134	0	0	39,134	0	29,813	0	0	29,813	0
143	U. North TX Health Science Ctr.	38,862	0	31,967	6,895	0	25,847	0	22,161	3,686	0
144	Loyola U. Chicago	38,625	0	12,603	24,673	1,349	25,900	0	8,918	16,167	815
145	NM State U.	37,541	31,384	6,157	0	0	13,745	9,490	4,255	0	0

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146	U. OR	33,764	0	13,480	20,284	0	27,187	0	10,875	16,312	0
147	U. LA Lafayette	33,731	0	32,805	0	926	7,089	0	7,089	0	0
148	TX Tech U.	32,700	25,550	6,470	120	560	7,480	6,100	1,280	100	0
149	SUNY Health Science Ctr. Brooklyn	32,512	0	12,648	19,864	0	25,023	0	10,146	14,877	0
150	FL International U.	32,022	4,201	18,432	6,980	2,409	19,415	2,543	10,890	4,902	1,080
151	Loma Linda U.	31,711	0	2,951	24,969	3,791	26,226	0	2,433	20,395	3,398
152	U. Toledo	31,507	1,328	6,497	23,034	648	19,222	231	2,323	16,529	139
153	LA State U. Medical Ctr. Shreveport	30,817	0	13,667	16,324	826	13,890	0	11,314	2,576	0
154	Morehouse School of Medicine	30,385 i	0 i	8,931 i	8,171 i	13,283 i	26,559 i	0 i	7,941 i	7,108 i	11,510 i
155	Brandeis U.	30,060	0	30,060	0	0	25,482	0	25,482	0	0
156	U. CA Office of the President	28,842	2,755	521	25,566	0	121	121	0	0	0
157	NY Medical C.	28,400	0	24,200	4,200	0	21,095	0	21,095	0	0
158	U. CA, Santa Barbara	27,526	0	27,526	0	0	16,670	0	16,670	0	0
159	U. of the VI	27,291	0	0	0	27,291	27,291	0	0	0	27,291
160	Meharry Medical C.	27,001	0	27,001	0	0	24,302	0	24,302	0	0
161	Creighton U.	26,641 i	0 i	12,012 i	14,241 i	388 i	11,005	0	8,500	2,305	200
162	U. AK Fairbanks	26,189	8,566	15,700	747	1,176	19,841	4,429	13,758	747	907
163	U. RI	25,354	8,814	5,513	8,718	2,309	17,300	3,575	4,980	7,479	1,266
164	Wright State U.	25,029	0	3,420	21,417	192	14,038	0	1,292	12,646	100
165	U. South AL	24,110	0	1,111	22,999	0	11,043	0	111	10,932	0
166	Cleveland State U.	24,015	0	20,528	3,308	179	19,711	0	18,181	1,512	18
167	GA Institute of Technology	23,086	0	18,197	4,022	867	10,329	0	7,726	2,591	12
168	Albany Medical C.	22,953	0	19,451	3,502	0	15,758	0	14,936	822	0
169	Howard U.	22,727	0	1,953	16,647	4,127	19,322	0	1,433	14,354	3,535
170	GA State U.	22,618	0	11,499	8,325	2,794	12,199	0	5,836	5,014	1,349
171	Charles R. Drew U. of Medicine and Science	22,152	0	0	22,152	0	20,430	0	0	20,430	0
172	U. NH	21,421	9,971	8,906	316	2,228	11,883	4,275	6,049	236	1,323
173	U. Houston	21,311	10	9,227	12,007	67	12,712	10	4,753	7,924	25
174	Northeastern U.	20,351	0	14,026	2,432	3,893	15,213	0	11,628	1,298	2,287
175	U. SD	20,135	0	13,064	6,966	105	12,917	0	9,018	3,839	60
176	U. WY	19,998	5,819	10,531	3,073	575	16,655	4,182	8,949	2,982	542
177	Southern IL U. Edwardsville	19,740	15,372	1,083	3,096	189	1,748	911	220	615	2
178	U. MO-Kansas City	19,271	0	3,703	14,663	905	13,340	0	2,960	10,259	121
179	U. TX El Paso	19,137	0	8,983	9,502	652	10,902	0	6,421	4,402	79
180	FL A&M U.	19,112	10,515	274	8,323	0	16,479	9,271	271	6,937	0
181	U. of Notre Dame	18,909	0	18,909	0	0	9,949	0	9,949	0	0
182	East Carolina U.	18,823	129	8,388	9,648	658	11,924	0	6,764	4,635	525

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
183	U. CA, Santa Cruz	18,715	2,903	15,812	0	0	10,536	765	9,771	0	0
184	Northern AZ U.	18,407	4,080	13,693	0	634	11,319	2,552	8,767	0	0
185	U. TX Dallas	18,128	0	5,980	12,148	0	8,700	0	2,846	5,854	0
186	U. TX San Antonio	18,040	0	18,040	0	0	13,471	0	13,471	0	0
187	Rutgers, the State U. NJ-Newark	15,707	0	7,153	5,979	2,575	8,077	0	4,554	2,457	1,066
188	NC Agricultural and Technical State U.	15,546	13,466	1,990	13	77	7,096	5,276	1,743	0	77
189	Marshall U.	15,132	0	4,013	10,482	637	10,769	0	1,867	8,265	637
190	U. ND	15,007	0	10,313	2,170	2,524	12,346	0	8,818	1,472	2,056
191	Old Dominion U.	14,786	0	4,882	9,022	882	5,992	0	1,872	3,577	543
192	FL Atlantic U.	14,413	791	4,726	8,103	793	4,657	689	1,510	2,292	166
193	Carnegie Mellon U.	13,949	2,082	10,242	687	938	11,218	1,918	8,563	464	273
194	CUNY Hunter C.	13,742	0	12,964	0	778	7,186	0	7,039	0	147
195	Rosalind Franklin U. of Medicine and Science	12,119	0	11,529	119	471	8,121	0	7,650	0	471
196	AL A&M U.	12,073	9,550	1,269	0	1,254	4,546	3,000	925	0	621
197	U. WI-Milwaukee	11,809	0	2,346	190	9,273	5,654	0	1,441	112	4,101
198	OH U.	11,673	0	6,573	3,957	1,143	4,365	0	2,707	1,530	128
199	George Mason U.	11,380	758	6,882	3,177	563	8,061	380	4,932	2,596	153
200	IL Institute of Technology	10,927	0	10,927	0	0	9,962	0	9,962	0	0
201	TX A&M U.-Kingsville	10,740	9,067	1,673	0	0	3,078	1,883	1,195	0	0
202	Northeastern OH Universities C. of Medicine	10,629	0	5,687	4,500	442	3,894	0	2,414	1,480	0
203	CUNY Queens C.	10,366	0	931	0	9,435	9,016	0	717	0	8,299
204	Miami U.	10,299	0	7,969	100	2,230	8,284	0	6,902	0	1,382
205	Rice U.	10,175	0	10,167	8	0	7,755	0	7,755	0	0
206	Boston C.	10,069	0	7,688	0	2,381	6,553	0	5,905	0	648
207	Tuskegee U.	10,067	3,236	585	4,286	1,960	7,752	3,015	227	2,639	1,871
208	U. MA Boston	9,916	0	2,537	4,697	2,682	5,795	0	1,842	2,367	1,586
209	San Francisco State U.	9,860	0	9,083	449	328	6,982	0	6,754	0	228
210	Ponce School of Medicine	8,934	0	0	8,934	0	7,569	0	0	7,569	0
211	U. NC Wilmington	8,882	1,788	6,117	0	977	4,879	1,208	3,291	0	380
212	AR State U. main campus	8,671	1,944	6,712	0	15	3,953	1,303	2,650	0	0
213	DE State U.	8,600	6,512	1,559	0	529	4,182	2,432	1,525	0	225
214	CUNY The City C.	8,212	0	6,100	2,112	0	6,636	0	5,411	1,225	0
215	Prairie View A&M U.	8,033	7,985	3	45	0	5,237	5,190	2	45	0
216	East TN State U.	7,949	0	2,454	5,495	0	5,443	0	2,287	3,156	0
217	Alcorn State U.	7,714	4,230	3,036	435	13	6,732	3,640	2,667	425	0
218	SUNY C. of Environmental Science and Forestry	7,577	0	7,577	0	0	3,152	0	3,152	0	0
219	U. AR Pine Bluff	7,532	7,355	0	0	177	3,565	3,431	0	0	134

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
220	TN State U.	7,514	5,261	1,529	0	724	4,683	2,661	1,472	0	550
221	U. Central FL	7,422	0	2,867	432	4,123	3,059	0	1,408	267	1,384
222	Duquesne U.	7,291	0	2,957	3,647	687	2,871	0	1,112	1,378	381
223	Universidad Central del Caribe	7,122	0	0	7,122	0	6,504	0	0	6,504	0
224	U. Southern MS	7,021	0	5,632	682	707	6,731	0	5,501	557	673
225	U. NV, Las Vegas	6,860	0	4,452	348	2,060	5,313	0	3,612	54	1,647
226	Brigham Young U.	6,587	2,311	4,164	0	112	4,217	933	3,231	0	53
227	Tarleton State U.	6,555	6,509	30	16	0	6,307	6,307	0	0	0
228	U. North TX	6,472	0	6,364	0	108	3,119	0	3,052	0	67
229	SUNY Binghamton	6,268	0	4,992	0	1,276	1,913	0	1,865	0	48
230	CA State U., Fresno	6,205	5,458	280	0	467	1,652	1,256	234	0	162
231	U. NC Charlotte	5,999	0	3,971	792	1,236	4,848	0	3,432	504	912
232	ID State U.	5,969	0	3,246	1,756	967	3,536	0	1,841	728	967
233	U. MD Baltimore County	5,958	0	5,958	0	0	3,595	0	3,595	0	0
234	Mercer U.	5,536	0	12	4,295	1,229	2,018	0	0	2,018	0
235	U. MA Lowell	5,521	0	1,281	0	4,240	2,444	0	511	0	1,933
236	Marquette U.	5,487	0	1,428	1,927	2,132	4,684	0	1,214	1,603	1,867
237	U. MD Eastern Shore	5,468	4,069	1,399	0	0	5,468	4,069	1,399	0	0
238	U. PR Rio Piedras	5,400	0	5,283	0	117	4,691	0	4,574	0	117
239	U. AK Anchorage	5,248	149	3,691	426	982	3,899	8	3,064	379	448
240	U. NC Greensboro	4,949	0	1,869	11	3,069	4,393	0	1,679	0	2,714
241	U. Memphis, The	4,923	0	2,263	0	2,660	1,722	0	1,027	0	695
242	U. CA, Merced	4,890	0	4,890	0	0	2,066	0	2,066	0	0
243	Northern IL U.	4,876	0	1,089	3,691	96	4,761	0	1,070	3,691	0
244	CA Polytechnic State U., San Luis Obispo	4,864	4,143	721	0	0	1,196	960	236	0	0
245	Lincoln U. (Jefferson City, MO)	4,795	4,644	0	0	151	2,853	2,702	0	0	151
246	TX A&M U.-Corpus Christi	4,768	78	2,205	2,485	0	4,109	0	1,670	2,439	0
247	VA State U.	4,725	4,582	143	0	0	3,290	3,160	130	0	0
248	Rensselaer Polytechnic Institute	4,703	0	4,703	0	0	2,907	0	2,907	0	0
249	Palmer C. of Chiropractic	4,693	0	0	0	4,693	3,009	0	0	0	3,009
250	NC Central U.	4,687	0	4,687	0	0	4,687	0	4,687	0	0
251	Oakland U.	4,676	0	1,541	486	2,649	2,543	0	678	339	1,526
252	Nova Southeastern U.	4,524	0	0	4,524	0	1,931	0	0	1,931	0
253	U. AL, The	4,523	0	3,058	893	572	2,804	0	2,324	185	295
254	U. TX Arlington	4,509	0	3,359	0	1,150	1,782	0	1,782	0	0
255	Langston U.	4,492	4,492	0	0	0	3,313	3,313	0	0	0

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
256	U. MO-St. Louis	4,472	0	2,160	415	1,897	1,441	0	1,213	72	156
257	CA State U., Fullerton	4,359	0	1,595	0	2,764	3,336	0	1,305	0	2,031
258	OK State U. Ctr. for Health Sciences	4,325	0	529	3,796	0	770	0	417	353	0
259	KY State U.	4,284	4,284	0	0	0	3,031	3,031	0	0	0
260	TX State U.-San Marcos	4,133	60	2,560	704	809	1,463	0	1,422	27	14
261	CA State U., Long Beach	4,106	0	2,470	618	1,018	2,646	0	1,842	0	804
262	Clark Atlanta U.	4,041	27	588	3,426	0	3,539	27	550	2,962	0
263	Boise State U.	3,872	16	3,285	394	177	2,955	11	2,767	72	105
264	Xavier U. LA	3,822	0	799	2,334	689	2,167	0	364	1,691	112
265	U. GU	3,790	1,876	884	958	72	3,630	1,876	742	958	54
266	Humboldt State U.	3,765	345	3,243	0	177	2,165	345	1,643	0	177
267	Ft. Valley State U.	3,762	3,762	0	0	0	3,762	3,762	0	0	0
268	Jackson State U.	3,683	0	3,023	0	660	3,295	0	2,794	0	501
269	Kent State U.	3,621	6	3,247	281	87	2,136	6	1,817	256	57
270	Midwestern U. (Downers Grove, IL)	3,596	0	2,826	642	128	285	0	285	0	0
271	IN U.-Purdue U. Ft. Wayne	3,540	0	428	2,402	710	1,107	0	69	1,038	0
272	SUNY C. of Optometry	3,529	0	0	3,529	0	2,829	0	0	2,829	0
273	CA State U., San Marcos	3,506	214	2,617	0	675	2,831	214	2,617	0	0
274	TX Southern U.	3,472	0	1,701	0	1,771	3,298	0	1,527	0	1,771
275	Wesleyan U.	3,442	0	3,442	0	0	1,845	0	1,845	0	0
276	West TX A&M U.	3,418	2,969	449	0	0	1,063	997	66	0	0
277	IL State U.	3,387	961	1,954	0	472	2,127	415	1,583	0	129
278	U. HI Hilo	3,384	641	1,418	1,066	259	3,225	641	1,385	943	256
279	WV State U.	3,378	2,777	536	65	0	2,463	1,957	441	65	0
280	U. PR Mayaguez	3,349	931	2,418	0	0	1,582	560	1,022	0	0
281	Ball State U.	3,186	810	808	218	1,350	1,043	41	527	206	269
282	CA State Polytechnic U., Pomona	3,106	750	2,311	0	45	1,754	152	1,557	0	45
283	Syracuse U.	3,096	0	2,898	79	119	2,394	0	2,374	0	20
284	U. DC	3,090	734	908	1,448	0	1,612	434	454	724	0
285	Albany C. of Pharmacy	3,074	0	0	3,074	0	1,380	0	0	1,380	0
286	Stephen F. Austin State U.	3,069	1,921	1,117	0	31	1,143	585	558	0	0
287	MO State U.	3,015	1,395	1,319	299	2	1,820	634	1,073	113	0
288	AL State U.	3,000	0	3,000	0	0	0	0	0	0	0
289	Tougaloo C.	2,978	0	833	1,886	259	2,978	0	833	1,886	259
290	C. of William and Mary and VA Institute of Marine Science	2,937	0	2,785	0	152	1,616	0	1,538	0	78

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
291	Portland State U.	2,923	0	2,917	0	6	2,655	0	2,649	0	6
292	St. Francis U.	2,864	0	0	0	2,864	2,864	0	0	0	2,864
293	U. of the Pacific	2,862	0	58	2,804	0	625	0	57	568	0
294	LA Tech U.	2,771	814	1,129	489	339	1,098	277	586	167	68
295	U. TX Brownsville	2,734	0	697	2,037	0	2,444	0	590	1,854	0
296	Long Island U.	2,672 i	0 i	79 i	2,593 i	0 i	2,318 i	0 i	36 i	2,282 i	0 i
297	Wichita State U.	2,576	0	2,445	0	131	1,852	0	1,852	0	0
298	Lehigh U.	2,478	0	2,478	0	0	1,798	0	1,798	0	0
299	Gallaudet U.	2,458	0	1,018	48	1,392	2,266	0	951	0	1,315
300	U. LA Monroe	2,444	0	1,854	590	0	1,429	0	1,037	392	0
301	U. Akron	2,396	0	1,687	0	709	1,371	0	1,060	0	311
302	C. Charleston	2,382	0	2,382	0	0	2,334	0	2,334	0	0
303	Seton Hall U.	2,319	0	2,041	278	0	2,041	0	2,041	0	0
304	SC State U.	2,265	2,260	0	0	5	2,244	2,239	0	0	5
305	San Jose State U.	2,247	0	2,229	0	18	1,203	0	1,203	0	0
306	Haverford C.	2,235 i	0 i	2,235 i	0 i	0 i	1,899	0	1,899	0	0
307	CA State U., Los Angeles	2,175	0	2,175	0	0	2,175	0	2,175	0	0
308	Sam Houston State U.	2,120	332	1,408	380	0	1,179	122	677	380	0
309	U. Denver	2,118	0	2,118	0	0	1,646	0	1,646	0	0
310	U. TX Pan American	2,088	7	269	1,812	0	1,797	7	228	1,562	0
311	Sul Ross State U.	1,996	1,481	515	0	0	1,467	1,254	213	0	0
312	Fordham U.	1,973	0	1,892	81	0	1,372	0	1,372	0	0
313	U. Southern ME	1,910	0	1,713	197	0	1,866	0	1,710	156	0
314	U. New England	1,882	0	321	1,484	77	1,606	0	321	1,285	0
315	Wheeling Jesuit U.	1,868	493	85	1,290	0	1,792	438	66	1,288	0
316	TX Woman's U.	1,848	0	1,204	0	644	755	0	520	0	235
317	Southern Methodist U.	1,834	0	1,834	0	0	1,548	0	1,548	0	0
318	MI Technological U.	1,821	0	1,687	0	134	454	0	454	0	0
319	U. NE Omaha	1,801	3	633	0	1,165	823	0	515	0	308
320	U. MA Dartmouth	1,798	645	1,120	0	33	850	378	472	0	0
321	Morgan State U.	1,771	808	519	444	0	1,484	621	488	375	0
322	Western MI U.	1,720	0	364	0	1,356	1,538	0	294	0	1,244
323	CUNY Brooklyn C.	1,680	0	1,616	0	64	1,459	0	1,430	0	29
324	Clafin U.	1,673	0	1,673	0	0	1,661	0	1,661	0	0
325	Hampton U.	1,636	0	144	1,024	468	1,636	0	144	1,024	468
326	Western KY U.	1,596	249	1,231	27	89	1,215	192	907	27	89
327	Wellesley C.	1,586	0	1,586	0	0	1,410	0	1,410	0	0

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
328	Polytechnic U.	1,584	0	1,584	0	0	1,205	0	1,205	0	0
329	Bastyr U.	1,572	0	0	1,572	0	1,211	0	0	1,211	0
330	CA State U., Bakersfield	1,557	0	1,356	0	201	438	0	237	0	201
331	Bowdoin C.	1,549	0	1,549	0	0	1,122	0	1,122	0	0
332	Shaw U.	1,532 i	0 i	0 i	1,532 i	0 i	1,286 i	0 i	0 i	1,286 i	0 i
333	U. West FL	1,513	99	1,322	0	92	882	39	751	0	92
334	U. AL Huntsville, The	1,509	391	1,040	0	78	1,391	391	1,000	0	0
335	U. WI-La Crosse	1,507	2	1,338	130	37	910	2	893	15	0
336	Northwestern Health Sciences U.	1,483	0	0	0	1,483	1,219	0	0	0	1,219
337	CA State U., Northridge	1,478	0	1,455	0	23	1,415	0	1,415	0	0
338	Black Hills State U.	1,470	0	1,470	0	0	1,176	0	1,176	0	0
339	New England C. of Optometry	1,457	0	0	1,457	0	726	0	0	726	0
340	U. San Diego	1,457	0	279	575	603	697	0	94	0	603
341	Murray State U.	1,452	104	1,347	0	1	550	8	542	0	0
342	CUNY Herbert H. Lehman C.	1,397 i	0 i	1,170 i	0 i	227 i	1,189 i	0 i	1,005 i	0 i	184 i
343	St. Cloud State U.	1,369	0	1,359	10	0	233	0	233	0	0
344	FL Gulf Coast U.	1,360	12	1,324	24	0	862	0	838	24	0
345	U. AR Little Rock	1,360	450	496	414	0	934	272	364	298	0
346	Salus U.	1,359	0	1,359	0	0	1,261	0	1,261	0	0
347	Purdue U. Calumet	1,353	0	324	3	1,026	415	0	199	0	216
348	U. MN Duluth	1,335	0	1,335	0	0	974	0	974	0	0
349	Universidad del Este	1,328	0	674	0	654	1,126	0	528	0	598
350	U. Dayton	1,327	0	1,327	0	0	858	0	858	0	0
351	Calvin C.	1,322	426	877	0	19	916	426	490	0	0
352	GA Southern U.	1,314	0	1,043	217	54	646	0	612	29	5
353	Dillard U.	1,284	0	184	730	370	920	0	56	512	352
354	Western U. of Health Sciences	1,283	387	659	237	0	885	348	454	83	0
355	FL Institute of Technology	1,260	0	1,260	0	0	915	0	915	0	0
356	A. T. Still U. of Health Sciences	1,253	0	240	796	217	116	0	116	0	0
357	Chicago State U.	1,253	0	1,253	0	0	1,253	0	1,253	0	0
358	Philadelphia C. of Osteopathic Medicine	1,236	0	1,082	154	0	776	0	776	0	0
359	Morehouse C.	1,226	0	1,192	24	10	1,226	0	1,192	24	10
360	Southeastern LA U.	1,215	0	1,204	0	11	634	0	623	0	11
361	Catholic U. America, The	1,204	0	1,197	0	7	1,158	0	1,151	0	7
362	Pace U.	1,194	0	228	0	966	435	0	138	0	297
363	U. CO Colorado Springs	1,177	0	251	538	388	856	0	169	305	382
364	Northern KY U.	1,161	0	1,138	0	23	786	0	786	0	0

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
365	Teachers C., Columbia U.	1,138	0	0	0	1,138	534	0	0	0	534
366	Northwest Indian C.	1,114 i	0 i	175 i	80 i	859 i	1,114	0	175	80	859
367	Smith C.	1,114	10	1,100	0	4	803	0	803	0	0
368	Central MI U.	1,108	0	1,012	0	96	793	0	766	0	27
369	U. New Orleans	1,103	0	1,103	0	0	344	0	344	0	0
370	U. WI-Stevens Point	1,084	320	738	0	26	440	72	368	0	0
371	Grand Valley State U.	1,082	0	760	116	206	388	0	388	0	0
372	Worcester Polytechnic Institute	1,081	0	1,081	0	0	710	0	710	0	0
373	Milwaukee School of Engineering	1,074	0	1,074	0	0	666	0	666	0	0
374	Eastern WA U.	1,066	0	822	244	0	8	0	8	0	0
375	Clarkson U.	1,062	0	1,000	0	62	880	0	818	0	62
376	Eastern KY U.	1,061	497	464	0	100	570	342	228	0	0
377	Middle TN State U.	1,054	179	522	0	353	786	88	425	0	273
378	Desert Research Institute	1,048	0	1,048	0	0	991	0	991	0	0
379	U. North FL	1,044	15	375	302	352	812	0	306	216	290
380	TN Technological U.	1,038	82	898	0	58	903	50	803	0	50
381	St. Olaf C.	1,034	0	1,034	0	0	834	0	834	0	0
382	CA State U., Sacramento	1,028	0	434	0	594	597	0	235	0	362
383	Governors State U.	1,012	0	0	0	1,012	988	0	0	0	988
384	NY Institute of Technology	1,010	0	0	999	11	67	0	0	67	0
385	Touro U.-CA	999	0	0	999	0	999	0	0	999	0
386	U. NE Kearney	996	91	905	0	0	91	91	0	0	0
387	Western States Chiropractic C.	996	0	0	0	996	866	0	0	0	866
388	U. of the Sciences Philadelphia	984	0	493	0	491	626	0	256	0	370
389	Baylor U.	965	0	816	0	149	301	0	301	0	0
390	U. TX Tyler	947	0	340	607	0	790	0	260	530	0
391	Bucknell U.	926	0	926	0	0	508	0	508	0	0
392	Colgate U.	921	0	921	0	0	594	0	594	0	0
393	Bowling Green State U.	906	0	554	0	352	406	0	246	0	160
394	CA State U., Chico	889	720	157	12	0	281	146	123	12	0
395	Amherst C.	880	0	798	82	0	333	0	333	0	0
396	Angelo State U.	878	655	223	0	0	127	0	127	0	0
397	Universidad Metropolitana	875	0	106	0	769	544	0	106	0	438
398	James Madison U.	874	0	644	190	40	619	0	495	89	35
399	Morehead State U.	873	200	673	0	0	561	130	431	0	0
400	Barry U.	869	0	869	0	0	869	0	869	0	0

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
401	Rutgers, the State U. NJ-Camden	868	0	868	0	0	749	0	749	0	0
402	Rochester Institute of Technology	862	0	681	181	0	362	0	346	16	0
403	Middlebury C.	857	0	563	264	30	827	0	563	264	0
404	Des Moines U.	855	0	0	855	0	62	0	0	62	0
405	SUNY C. Old Westbury	841	0	841	0	0	462	0	462	0	0
406	SUNY C. Plattsburgh	836	0	4	0	832	836	0	4	0	832
407	Williams C.	832	84	748	0	0	463	0	463	0	0
408	Western WA U.	827	0	653	126	48	471	0	458	13	0
409	U. Central AR	823	0	687	0	136	751	0	620	0	131
410	IN State U.	802	0	711	91	0	410	0	410	0	0
411	Skidmore C.	802	0	802	0	0	750	0	750	0	0
412	Reed C.	794	0	794	0	0	424	0	424	0	0
413	Providence C.	784	0	784	0	0	762	0	762	0	0
414	U. Northern CO	754	0	420	0	334	544	0	317	0	227
415	Hope C.	749	0	746	3	0	282	0	282	0	0
416	CA State U., Monterey Bay	737	737	0	0	0	113	113	0	0	0
417	Western Carolina U.	733	99	634	0	0	343	3	340	0	0
418	Minot State U.	728	7	721	0	0	728	7	721	0	0
419	Cheyney U. PA	725	0	0	470	255	255	0	0	0	255
420	U. WI-Oshkosh	716	0	679	37	0	501	0	486	15	0
421	CA State U., Dominguez Hills	711	0	711	0	0	711	0	711	0	0
422	Lewis & Clark C.	708	0	708	0	0	583	0	583	0	0
423	Nicholls State U.	701	0	698	3	0	66	0	66	0	0
424	Swarthmore C.	693	0	693	0	0	180	0	180	0	0
425	Franklin & Marshall C.	687	0	687	0	0	349	0	349	0	0
426	Occidental C.	686	0	686	0	0	328	0	328	0	0
427	Kansas City U. of Medicine and Biosciences	685	0	0	685	0	556	0	0	556	0
428	U.S. Air Force Academy	685	0	685	0	0	270	0	270	0	0
429	Villanova U.	677	0	527	150	0	388	0	303	85	0
430	Benedict C.	676	0	633	0	43	616	0	616	0	0
431	Clark U.	676	0	676	0	0	405	0	405	0	0
432	Appalachian State U.	670	0	659	11	0	388	0	377	11	0
433	Armstrong Atlantic State U.	670	0	0	670	0	670	0	0	670	0
434	Fayetteville State U.	647	0	27	620	0	647	0	27	620	0
435	Mt. St. Mary's C. (Los Angeles, CA)	647	0	647	0	0	647	0	647	0	0
436	American U.	646	0	646	0	0	16	0	16	0	0
437	NJ Institute of Technology	643	0	643	0	0	336	0	336	0	0

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
438	National U. of Health Sciences	619	0	0	0	619	545	0	0	0	545
439	Towson U.	601	0	493	0	108	409	0	353	0	56
440	CA State U., East Bay	600	21	545	34	0	97	0	81	16	0
441	WV School of Osteopathic Medicine	594	0	0	594	0	22	0	0	22	0
442	Sonoma State U.	571	0	571	0	0	407	0	407	0	0
443	CUNY Graduate Ctr.	568	0	16	0	552	393	0	0	0	393
444	MN State U. Mankato	562	0	362	0	200	502	0	302	0	200
445	U. Tulsa	562	0	407	0	155	347	0	200	0	147
446	Pacific U.	560	0	11	549	0	11	0	11	0	0
447	Bates C.	554	0	554	0	0	437	0	437	0	0
448	Fairfield U.	553	0	424	0	129	96	0	96	0	0
449	Western IL U.	551	243	236	0	72	276	74	161	0	41
450	MT Tech of the U. MT	550	0	550	0	0	362	0	362	0	0
451	Santa Clara U.	549	165	324	17	43	508	165	324	17	2
452	Northeastern State U.	545	0	364	146	35	336	0	301	0	35
453	Trinity C. (Hartford, CT)	544	0	296	245	3	497	0	282	215	0
454	Daemen C.	541	0	0	0	541	426	0	0	0	426
455	Whitman C.	535	0	535	0	0	535	0	535	0	0
456	Agnes Scott C.	534	0	519	15	0	428	0	428	0	0
457	Kennesaw State U.	527	0	218	0	309	442	0	207	0	235
458	Chapman U.	518	9	509	0	0	328	1	327	0	0
459	St. Joseph's U.	517	0	517	0	0	248	0	248	0	0
460	Ithaca C.	507	0	252	0	255	331	0	111	0	220
461	U. TN Chattanooga	507	54	398	0	55	338	0	338	0	0
462	Christopher Newport U.	503	0	503	0	0	444	0	444	0	0
463	TX Christian U.	500	1	116	0	383	7	1	0	0	6
464	Augustana C. (Sioux Falls, SD)	493	0	493	0	0	487	0	487	0	0
465	Grinnell C.	492	0	492	0	0	353	0	353	0	0
466	U. Portland	487	0	64	423	0	169	0	6	163	0
467	Eastern MI U.	483	73	34	0	376	107	73	34	0	0
468	CT C.	473	20	403	0	50	273	11	230	0	32
469	LA State U. Shreveport	465	0	465	0	0	369	0	369	0	0
470	Pomona C.	459	0	451	0	8	119	0	119	0	0
471	Central State U.	458	0	254	0	204	458	0	254	0	204
472	TX A&M International U.	452	0	369	0	83	437	0	360	0	77
473	Savannah State U.	448	0	123	325	0	353	0	28	325	0
474	Gonzaga U.	446	0	446	0	0	83	0	83	0	0

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
475	Truman State U.	444	34	374	0	36	349	9	340	0	0
476	MT State U. Billings	442	0	442	0	0	270	0	270	0	0
477	U. Northern IA	438	291	147	0	0	61	0	61	0	0
478	Vassar C.	438	0	304	57	77	438	0	304	57	77
479	U. of St. Thomas (St. Paul, MN)	431	0	431	0	0	269	0	269	0	0
480	Central WA U.	429	0	423	6	0	137	0	137	0	0
481	U. NC Asheville	427	322	81	24	0	122	110	12	0	0
482	Barnard C.	425	0	425	0	0	326	0	326	0	0
483	U. WI-Eau Claire	425	13	225	0	187	377	0	194	0	183
484	Mt. Holyoke C.	416	0	416	0	0	107	0	107	0	0
485	Kenyon C.	414	0	414	0	0	413	0	413	0	0
486	Spelman C.	414	0	266	0	148	414	0	266	0	148
487	Frostburg State U.	397	0	397	0	0	372	0	372	0	0
488	CA State U., San Bernardino	396	0	92	0	304	396	0	92	0	304
489	Macalester C.	382	0	382	0	0	110	0	110	0	0
490	Roger Williams U.	380	0	380	0	0	380	0	380	0	0
491	U. AK Southeast	379	46	333	0	0	175	39	136	0	0
492	Eastern IL U.	373	0	373	0	0	262	0	262	0	0
493	SUNY C. Buffalo	369	0	369	0	0	227	0	227	0	0
494	U. Richmond	367	0	358	9	0	246	0	246	0	0
495	U. WI-Platteville	367	331	36	0	0	0	0	0	0	0
496	Bryn Mawr C.	365	0	365	0	0	24	0	24	0	0
497	Muhlenberg C.	363	0	363	0	0	261	0	261	0	0
498	Hendrix C.	362	0	362	0	0	321	0	321	0	0
499	Loyola U. New Orleans	360	0	360	0	0	159	0	159	0	0
500	Kalamazoo C.	354	0	354	0	0	215	0	215	0	0
501	St. John's U. (Jamaica, NY)	353	0	353	0	0	348	0	348	0	0
502	Southern U. Baton Rouge	351	48	297	6	0	345	48	297	0	0
503	Colby C.	349	0	349	0	0	255	0	255	0	0
504	Mesa State C.	346	15	331	0	0	315	0	315	0	0
505	Juniata C.	344	0	344	0	0	107	0	107	0	0
506	U. PR Humacao	344 i	0 i	344 i	0 i	0 i	340 i	0 i	340 i	0 i	0 i
507	Oberlin C.	342	0	259	83	0	228	0	228	0	0
508	Harvey Mudd C.	340	0	340	0	0	256	0	256	0	0
509	Loyola Marymount U.	329	0	329	0	0	166	0	166	0	0
510	U. Central OK	327	0	255	0	72	245	0	228	0	17

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
511	MO U. of Science and Technology	326	0	179	147	0	109	0	109	0	0
512	Salisbury U.	322	6	0	316	0	0	0	0	0	0
513	Claremont McKenna C.	316	0	316	0	0	316	0	316	0	0
514	Carleton C.	302	0	302	0	0	67	0	67	0	0
515	NM Highlands U.	299	0	299	0	0	72	0	72	0	0
516	Norfolk State U.	298	0	189	0	109	246	0	137	0	109
517	Union C. (Schenectady, NY)	286	0	286	0	0	161	0	161	0	0
518	U. Detroit Mercy	280	0	49	231	0	47	0	47	0	0
519	Drake U.	278	0	141	135	2	136	0	88	48	0
520	Dickinson C.	277	0	277	0	0	106	0	106	0	0
521	Northwestern State U.	276	159	24	93	0	0	0	0	0	0
522	Rider U.	276	0	276	0	0	271	0	271	0	0
523	Mayville State U.	275	0	275	0	0	212	0	212	0	0
524	Albany State U.	273	233	32	0	8	40	0	32	0	8
525	Evergreen State C.	272	0	272	0	0	256	0	256	0	0
526	U. NC Pembroke	271	0	271	0	0	206	0	206	0	0
527	SUNY C. Brockport	269	0	262	0	7	242	0	235	0	7
528	Midwestern State U.	267	0	23	0	244	10	0	10	0	0
529	Vanguard U. Southern CA	266 i	0 i	24 i	0 i	242 i	242 i	0 i	0 i	0 i	242 i
530	U. MT Western, The	262	0	262	0	0	220	0	220	0	0
531	Indiana U. PA	260	0	243	0	17	146	0	146	0	0
532	Southern OR U.	259	0	259	0	0	246	0	246	0	0
533	Northern MI U.	258	0	250	0	8	162	0	162	0	0
534	CUNY Baruch C.	257	0	125	132	0	111	0	111	0	0
535	Willamette U.	252	0	177	0	75	77	0	77	0	0
536	C. of the Holy Cross	251	0	251	0	0	144	0	144	0	0
537	CUNY C. Staten Island	251	0	250	0	1	111	0	111	0	0
538	SUNY C. Geneseo	247	0	247	0	0	114	0	114	0	0
539	West Chester U. PA	247 i	0 i	231 i	0 i	16 i	247 i	0 i	231 i	0 i	16 i
540	Seattle U.	246 i	0 i	246 i	0 i	0 i	68 i	0 i	68 i	0 i	0 i
541	Davidson C.	245	0	245	0	0	181	0	181	0	0
542	DePaul U.	245	0	240	0	5	207	0	207	0	0
543	St. Michael's C.	239	26	213	0	0	171	26	145	0	0
544	Mercy C.	238	0	16	178	44	228	0	16	178	34
545	SUNY C. Oneonta	236	0	236	0	0	62	0	62	0	0
546	CO State U. Pueblo	232	7	225	0	0	218	7	211	0	0
547	U. Puget Sound	231	0	219	0	12	71	0	71	0	0

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
548	Bridgewater State C.	228	0	228	0	0	39	0	39	0	0
549	TX A&M U.-Commerce	228	163	65	0	0	14	0	14	0	0
550	Ft. Lewis C.	225	0	225	0	0	225	0	225	0	0
551	Wilberforce U.	224	0	0	224	0	224	0	0	224	0
552	Central CT State U.	222	0	222	0	0	142	0	142	0	0
553	Radford U.	214	0	176	0	38	50	0	50	0	0
554	Pepperdine U.	212	0	212	0	0	187	0	187	0	0
555	Universidad del Turabo	210	0	85	0	125	85	0	85	0	0
556	Siena C.	207	0	207	0	0	207	0	207	0	0
557	Niagara U.	205	0	178	0	27	67	0	40	0	27
558	Farmingdale State C.	202	50	152	0	0	202	50	152	0	0
559	U. MN Rochester	202	0	202	0	0	0	0	0	0	0
560	Weber State U.	202	0	202	0	0	59	0	59	0	0
561	C. Wooster	201	0	201	0	0	0	0	0	0	0
562	U. San Francisco	201	32	69	100	0	69	0	69	0	0
563	Salish Kootenai C.	199	0	199	0	0	199	0	199	0	0
564	Wiley C.	198	198	0	0	0	0	0	0	0	0
565	Furman U.	196	0	196	0	0	89	0	89	0	0
566	McNeese State U.	196	142	54	0	0	1	0	1	0	0
567	Hofstra U.	193	0	193	0	0	175	0	175	0	0
568	U. Houston-Downtown	192	24	168	0	0	192	24	168	0	0
569	Plymouth State U.	191 i	0 i	55 i	0 i	136 i	189 i	0 i	55 i	0 i	134 i
570	Lake Forest C.	190 i	0 i	190 i	0 i	0 i	108	0	108	0	0
571	OH Northern U.	190	0	1	189	0	163	0	0	163	0
572	William Paterson U. NJ	186	8	68	110	0	89	0	41	48	0
573	SUNY C. of A&T Morrisville	184	184	0	0	0	0	0	0	0	0
574	Gettysburg C.	182	0	182	0	0	143	0	143	0	0
575	St. John's U. (Collegeville, MN)	181	0	125	0	56	0	0	0	0	0
576	U. WI-Whitewater	181	0	181	0	0	118	0	118	0	0
577	Rhodes C.	177	0	177	0	0	168	0	168	0	0
578	Winona State U.	176	9	167	0	0	141	9	132	0	0
579	Fitchburg State C.	174	0	174	0	0	174	0	174	0	0
580	Southwestern OK State U.	174	4	166	2	2	124	1	123	0	0
581	St. Joseph's C. (Standish, ME)	168	168	0	0	0	168	168	0	0	0
582	Bradley U.	164	0	158	0	6	126	0	126	0	0
583	John Carroll U.	162	0	162	0	0	124	0	124	0	0
584	Jacksonville U.	161	0	137	24	0	0	0	0	0	0

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
585	VA Military Institute	160	0	160	0	0	0	0	0	0	0
586	Goucher C.	154	0	154	0	0	151	0	151	0	0
587	Fairleigh Dickinson U.	151	0	2	149	0	149	0	0	149	0
588	Fisk U.	149	0	149	0	0	149	0	149	0	0
589	CUNY Medgar Evers C.	147	0	147	0	0	104	0	104	0	0
590	SUNY Fredonia	145	0	145	0	0	0	0	0	0	0
591	Concordia C.	143	0	137	0	6	0	0	0	0	0
592	Coastal Carolina U.	142	137	5	0	0	137	137	0	0	0
593	Lamar U.	141	0	54	87	0	127	0	40	87	0
594	Roanoke C.	141 i	0 i	139 i	0 i	2 i	32 i	0 i	32 i	0 i	0 i
595	Pacific Lutheran U.	139	0	139	0	0	21	0	21	0	0
596	Lincoln U. of the Commonwealth of PA	136	0	132	4	0	132	0	132	0	0
597	Pittsburg State U.	136	0	136	0	0	120	0	120	0	0
598	Millersville U. PA	135	0	135	0	0	128	0	128	0	0
599	NM Institute of Mining and Technology	135	0	135	0	0	116	0	116	0	0
600	Elizabeth City State U.	134	0	124	10	0	120	0	120	0	0
601	Denison U.	133 i	0 i	133 i	0 i	0 i	121 i	0 i	121 i	0 i	0 i
602	DePauw U.	133	0	119	0	14	28	0	28	0	0
603	Lafayette C.	126	0	126	0	0	106	0	106	0	0
604	U. WI-River Falls	124	50	74	0	0	9	0	9	0	0
605	Dowling C.	123	0	123	0	0	123	0	123	0	0
606	Augustana C. (Rock Island, IL)	120	0	120	0	0	44	0	44	0	0
607	Arcadia U.	119	0	56	63	0	86	0	43	43	0
608	Millsaps C.	119	0	119	0	0	119	0	119	0	0
609	Monmouth U.	116	0	116	0	0	116	0	116	0	0
610	U. SC Aiken	116 i	43 i	40 i	11 i	22 i	47 i	10 i	19 i	2 i	16 i
611	Mills C.	115	0	115	0	0	47	0	47	0	0
612	U. Scranton	111	0	62	0	49	0	0	0	0	0
613	Ursinus C.	111	0	111	0	0	110	0	110	0	0
614	Montclair State U.	108	0	78	0	30	64	0	36	0	28
615	Jarvis Christian C.	106	0	106	0	0	90	0	90	0	0
616	SUNY C. Oswego	106	0	106	0	0	38	0	38	0	0
617	U. WI-Stout	103	8	95	0	0	87	0	87	0	0
618	Rowan U.	102	0	0	0	102	0	0	0	0	0
619	La Salle U.	98	0	0	0	98	0	0	0	0	0
620	Luther C.	98	19	65	14	0	31	0	17	14	0

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
621	Sarah Lawrence C.	98	0	0	98	0	0	0	0	0	0
622	IN U. South Bend	97	0	95	0	2	24	0	24	0	0
623	AR Tech U.	96 i	0 i	96 i	0 i	0 i	76 i	0 i	76 i	0 i	0 i
624	Andrews U.	95	0	91	0	4	5	0	5	0	0
625	U. MI-Flint	95	8	37	2	48	0	0	0	0	0
626	Pitzer C.	94 i	0 i	0 i	94 i	0 i	0	0	0	0	0
627	U. SC Upstate	93 i	39 i	30 i	10 i	14 i	12 i	1 i	6 i	0 i	5 i
628	SUNY C. Cortland	88	0	82	0	6	82	0	82	0	0
629	U. IL Springfield	86	13	35	38	0	34	0	34	0	0
630	Mercyhurst C.	84	0	41	0	43	0	0	0	0	0
631	Wilkes U.	82	0	82	0	0	49	0	49	0	0
632	IL Wesleyan U.	79	0	48	31	0	10	0	0	10	0
633	Simmons C.	79	0	77	2	0	62	0	62	0	0
634	Canisius C.	73	0	73	0	0	6	0	6	0	0
635	OH Wesleyan U.	73	0	73	0	0	25	0	25	0	0
636	Sinte Gleska U.	72	0	0	5	67	62	0	0	0	62
637	Benedictine U.	70	0	70	0	0	8	0	8	0	0
638	CO C.	70	0	70	0	0	50	0	50	0	0
639	Trinity U.	66	0	66	0	0	43	0	43	0	0
640	U. MI-Dearborn	66	66	0	0	0	0	0	0	0	0
641	Elizabethtown C.	65 i	0 i	65 i	0 i	0 i	61	0	61	0	0
642	U. WI-Parkside	65	0	65	0	0	0	0	0	0	0
643	Lawrence U.	60	0	60	0	0	41	0	41	0	0
644	New C. FL	60	0	60	0	0	44	0	44	0	0
645	U. TX of the Permian Basin	59	0	59	0	0	57	0	57	0	0
646	Hamilton C.	57	0	57	0	0	54	0	54	0	0
647	Northeastern IL U.	56	0	56	0	0	26	0	26	0	0
648	Purdue U. North Central	56	0	4	6	46	0	0	0	0	0
649	U. West GA	55	0	54	0	1	15	0	15	0	0
650	Hobart and William Smith Colleges	54	13	41	0	0	41	0	41	0	0
651	C. NJ, The	52	0	25	0	27	0	0	0	0	0
652	Gustavus Adolphus C.	52	0	50	2	0	0	0	0	0	0
653	PA State U. Worthington-Scranton	50	0	50	0	0	0	0	0	0	0
654	Lawrence Technological U.	46	0	46	0	0	46	0	46	0	0
655	PA State U. Altoona	44	0	44	0	0	0	0	0	0	0
656	PA State U. Erie, The Behrend C.	41	0	41	0	0	0	0	0	0	0
657	SUNY C. Potsdam	40	0	40	0	0	0	0	0	0	0

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
658	U. SC Beaufort	38 i	27 i	11 i	0 i	0 i	21 i	16 i	5 i	0 i	0 i
659	Adelphi U.	36	0	36	0	0	36	0	36	0	0
660	Seattle Pacific U.	36	0	36	0	0	0	0	0	0	0
661	Valparaiso U.	33	0	33	0	0	26	0	26	0	0
662	Loyola C.	32	0	12	0	20	20	0	0	0	20
663	PA State U. Berks	32	0	32	0	0	32	0	32	0	0
664	Saginaw Valley State U.	31	0	24	3	4	0	0	0	0	0
665	U. Redlands	30	0	30	0	0	30	0	30	0	0
666	CUNY John Jay C. of Criminal Justice	29	0	29	0	0	25	0	25	0	0
667	MS Valley State U.	27	0	0	14	13	27	0	0	14	13
668	U. MN Morris	25	0	25	0	0	0	0	0	0	0
669	Wabash C.	25	0	25	0	0	13	0	13	0	0
670	Youngstown State U.	24	0	22	0	2	0	0	0	0	0
671	Eastern OR U.	22	1	21	0	0	15	0	15	0	0
672	SUNY C. of A&T Cobleskill	22	22	0	0	0	0	0	0	0	0
673	Washington and Lee U.	21	0	21	0	0	21	0	21	0	0
674	St. Bonaventure U.	20	0	20	0	0	20	0	20	0	0
675	Allegheny C.	19	0	19	0	0	7	0	7	0	0
676	U. Houston-Clear Lake	18	0	18	0	0	3	0	3	0	0
677	U. WI-Superior	16	0	16	0	0	9	0	9	0	0
678	St. Mary's C. MD	11	0	11	0	0	0	0	0	0	0
679	AK Pacific U.	10	0	10	0	0	10	0	10	0	0
680	Coe C.	10	0	10	0	0	0	0	0	0	0
681	Eckerd C.	7	0	7	0	0	7	0	7	0	0
682	PA State U. Harrisburg	7	0	7	0	0	0	0	0	0	0
683	U. South FL Sarasota-Manatee	7	0	0	0	7	0	0	0	0	0
684	Western OR U.	5	0	5	0	0	5	0	5	0	0
685	Abilene Christian U.	4	0	4	0	0	0	0	0	0	0
686	Hampshire C.	4	4	0	0	0	4	4	0	0	0
687	Jacksonville State U.	3	0	3	0	0	0	0	0	0	0

TABLE 23. Total and federally financed higher education R&D expenditures in the life sciences, ranked by all life sciences R&D, by subfield: FY 2010

(Dollars in thousands)

Rank	Institution	Total					Federally financed				
		All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec	All life sciences	Agricultural sciences	Biological sciences	Medical sciences	Life sciences, nec
688	PA State U. Beaver	3	0	3	0	0	0	0	0	0	0
689	CUNY New York City C. of Technology	1	0	0	0	1	0	0	0	0	0
690	North GA C. & State U.	1	0	1	0	0	0	0	0	0	0

i = imputed.

nec = not elsewhere classified.

^a The Johns Hopkins University includes Applied Physics Laboratory, with \$31,508 in total and \$31,426 in federally financed R&D expenditures in life sciences in FY 2010.

NOTES: Institutions reporting zero expenditures in ranked total for FY 2010 are not listed in this table. Tied institutions are ranked alphabetically. Institutions ranked are geographically separate campuses headed by a campus-level president or chancellor. Some campuses are part of large multicampus universities; some are part of state university systems. For complete listing of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table C-2.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2010.