

TABLE 24. Total and federally financed higher education R&D expenditures in the life sciences, ranked by life sciences R&D total, by subfield: FY 2011  
(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	37,232,175	3,128,593	11,801,998	20,356,311	1,945,273	23,680,459	1,041,298	8,227,188	13,199,569	1,212,404
1	U. CA, San Francisco	981,233	0	32,676	948,557	0	557,341	0	22,370	534,971	0
2	Johns Hopkins U. <sup>a</sup>	862,492	0	200,178	604,889	57,425	679,087	0	148,984	477,696	52,407
3	Duke U.	860,743	0	238,561	594,380	27,802	474,533	0	176,612	287,581	10,340
4	U. Pittsburgh, Pittsburgh	770,233	0	171,284	568,715	30,234	571,498	0	129,444	418,195	23,859
5	U. MI, Ann Arbor	758,681	11,625	188,444	455,574	103,038	507,314	4,676	144,760	302,249	55,629
6	U. PA	725,635	81	249,673	461,929	13,952	585,548	10	205,607	367,901	12,030
7	U. WA, Seattle	716,925	10,062	151,362	410,008	145,493	580,951	6,439	135,678	347,812	91,022
8	U. CA, Los Angeles	688,596	0	25,902	662,694	0	395,006	0	18,367	376,639	0
9	U. WI, Madison	685,841	45,873	239,996	393,074	6,898	346,579	14,989	153,146	176,483	1,961
10	Washington U., St. Louis	644,264	0	229,022	407,930	7,312	414,585	0	159,929	251,342	3,314
11	U. NC, Chapel Hill	608,845	0	208,725	315,817	84,303	442,692	0	160,808	226,047	55,837
12	U. CA, San Diego	607,235	10	42,775	562,440	2,010	398,110	9	29,917	367,416	768
13	Columbia U. in the City of New York	602,875	2,493	156,483	430,148	13,751	439,861	40	124,397	311,253	4,171
14	U. MN, Twin Cities	596,968	80,221	113,503	396,768	6,476	340,051	22,709	71,844	241,439	4,059
15	U. TX, M. D. Anderson Cancer Ctr.	591,925	0	191,436	400,489	0	205,200	0	71,416	133,784	0
16	Stanford U.	555,984	0	177,693	325,749	52,542	408,105	0	143,604	224,885	39,616
17	Yale U.	548,310	1,779	160,176	386,355	0	454,951	99	128,542	326,310	0
18	Cornell U.	512,797	66,091	114,932	320,559	11,215	277,902	18,913	65,574	189,874	3,541
19	U. CA, Davis	507,389	123,057	157,162	227,170	0	274,756	34,454	88,642	151,660	0
20	U. FL	506,886	145,417	132,486	178,172	50,811	203,820	29,661	64,851	76,009	33,299
21	OH State U.	488,033	64,338	93,506	306,566	23,623	318,403	21,641	65,698	215,381	15,683
22	U. AL, Birmingham	469,004	0	125,338	339,315	4,351	318,515	0	99,787	216,251	2,477
23	Baylor C. of Medicine	466,061	0	250,613	215,448	0	295,529	0	181,250	114,279	0
24	Emory U.	443,284	0	181,302	228,833	33,149	345,685	0	157,834	159,626	28,225
25	Northwestern U.	431,951	0	94,007	326,007	11,937	278,398	0	62,227	208,106	8,065
26	U. TX, Southwestern Medical Ctr., Dallas	431,883	0	195,118	235,645	1,120	231,639	0	111,362	119,851	426
27	Vanderbilt U.	429,408	0	168,669	244,872	15,867	346,378	0	135,392	198,288	12,698
28	Harvard U.	409,498	0	272,799	134,391	2,308	358,336	0	232,826	124,863	647
29	Scripps Research Institute	400,768	0	400,768	0	0	317,201	0	317,201	0	0
30	U. CO, Denver and Anschutz Medical Campus	400,466	21	24,146	358,978	17,321	293,055	21	21,823	254,087	17,124
31	U. MD, Baltimore	383,161	0	117,470	245,498	20,193	225,749	0	79,316	133,584	12,849
32	Case Western Reserve U.	370,354	0	76,245	268,279	25,830	310,169	0	61,200	226,901	22,068
33	U. Southern CA	365,641	0	22,316	328,407	14,918	264,386	0	19,470	232,942	11,974
34	Mt. Sinai School of Medicine	363,091	0	137,171	225,920	0	295,291	0	120,630	174,661	0
35	U. Cincinnati	359,824	0	73,042	267,182	19,600	260,805	0	50,972	200,619	9,214
36	NY U.	345,541	0	119,361	199,172	27,008	242,000	0	93,547	135,387	13,066
37	U. IA	336,969	0	97,644	211,841	27,484	222,678	0	71,343	134,854	16,481

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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
38	U. Chicago	312,729	0	128,440	180,625	3,664	245,853	0	111,365	130,998	3,490
39	U. Rochester	302,678	0	71,572	222,849	8,257	230,635	0	60,580	163,909	6,146
40	OR Health and Science U.	300,461	0	143,272	147,247	9,942	239,299	0	121,333	111,589	6,377
41	U. IL, Chicago	291,341	0	68,997	206,084	16,260	192,351	0	47,528	132,242	12,581
42	U. AZ	288,857	53,515	103,805	122,072	9,465	148,573	19,563	61,470	61,245	6,295
43	IN U.-Purdue U., Indianapolis	284,351	0	70,774	204,607	8,970	144,077	0	46,530	92,490	5,057
44	Yeshiva U.	282,650	0	0	282,650	0	191,218	0	0	191,218	0
45	PA State U., University Park and Hershey Medical Ctr.	272,085	97,030	66,161	108,894	0	135,562	33,013	30,034	72,515	0
46	U. UT	265,135	0	48,372	155,660	61,103	180,952	0	37,513	115,604	27,835
47	U. MA, Medical School	262,714	0	88,359	133,598	40,757	208,244	0	74,542	102,355	31,347
48	U. TX, Health Science Ctr., Houston	261,172	0	47,246	110,188	103,738	156,790	0	37,057	56,915	62,818
49	U. KY	257,364	58,255	72,256	118,162	8,691	121,494	13,862	39,494	61,807	6,331
50	U. South FL, Tampa	255,965	0	47,857	207,860	248	174,300	0	35,429	138,720	151
51	Rockefeller U.	255,539	0	240,139	15,400	0	92,043	0	81,793	10,250	0
52	U. Miami	240,873	0	82,453	155,651	2,769	155,741	0	66,022	87,469	2,250
53	U. of Medicine and Dentistry of NJ	234,354	0	117,964	116,390	0	124,585	0	67,279	57,306	0
54	SUNY, U. Buffalo	233,442	0	70,663	153,577	9,202	113,541	0	42,003	66,178	5,360
55	Boston U.	232,481	0	7,499	223,289	1,693	199,937	0	6,173	193,113	651
56	MI State U.	230,658	97,913	87,012	40,022	5,711	104,085	29,459	48,698	23,351	2,577
57	Medical C. WI	215,358	0	58,239	157,119	0	133,929	0	36,218	97,711	0
58	WA State U.	213,894	103,511	82,293	14,157	13,933	61,507	22,055	32,195	4,081	3,176
59	U. CA, Berkeley	213,475	70,263	71,111	72,101	0	116,737	27,459	51,897	37,381	0
60	Medical U. SC	213,346	0	73,472	83,068	56,806	143,464	0	58,169	47,788	37,507
61	U. KS	210,124	2,835	100,204	85,593	21,492	111,278	763	61,413	40,846	8,256
62	U. CA, Irvine	208,600	0	97,635	110,965	0	132,302	0	66,854	65,448	0
63	Wake Forest U.	203,820	0	1,651	202,169	0	168,884	0	1,395	167,489	0
64	Purdue U., West Lafayette	201,714	118,573	37,525	32,919	12,697	78,619	35,131	24,027	12,237	7,224
65	U. IL, Urbana-Champaign	200,604	124,267	71,551	3,290	1,496	94,844	49,939	42,027	2,586	292
66	U. VA, Charlottesville	199,385	0	58,315	138,587	2,483	156,886	0	47,768	107,154	1,964
67	U. TX, Health Science Ctr., San Antonio	198,655	0	53,577	137,361	7,717	121,200	0	42,420	78,145	635
68	Wayne State U.	191,134	0	33,703	146,124	11,307	105,949	0	17,834	86,714	1,401
69	TX A&M U., College Station	187,666	121,169	29,653	36,844	0	69,479	42,051	14,506	12,922	0
70	VA Polytechnic Institute and State U.	185,871	96,225	56,520	27,581	5,545	68,163	33,293	24,862	7,061	2,947
71	NC State U.	181,985	86,820	80,737	3	14,425	54,549	14,574	34,848	0	5,127
72	U. GA	181,928	66,984	100,750	12,345	1,849	98,614	23,148	69,307	5,123	1,036
73	U. TX, Medical Branch	181,706	0	105,405	76,301	0	124,083	0	66,461	57,622	0
74	Rutgers, State U. NJ, New Brunswick	181,364	33,193	64,887	53,779	29,505	95,925	9,817	41,675	36,061	8,372
75	Uniformed Services U. of the Health Sciences	162,954	0	13,338	149,616	0	109,081	0	6,762	102,319	0

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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
76	Dartmouth C.	160,579	0	8,011	152,568	0	101,525	0	5,261	96,264	0
77	U. CT	158,512	6,246	91,071	57,828	3,367	84,174	3,144	50,777	28,844	1,409
78	LA State U., Baton Rouge	158,403	74,489	79,356	4,137	421	51,766	10,370	41,012	182	202
79	VA Commonwealth U.	146,867	0	57,439	74,809	14,619	119,305	0	51,209	55,374	12,722
80	Georgetown U.	143,818	0	14,201	119,947	9,670	113,648	0	13,549	91,455	8,644
81	Tulane U.	139,920	0	36,382	27,101	76,437	99,052	0	28,510	14,184	56,358
82	U. NE, Medical Ctr.	133,036	0	72,968	59,847	221	86,295	0	48,696	37,409	190
83	U. Louisville	131,605	0	39,853	77,075	14,677	64,715	0	26,940	30,663	7,112
84	IA State U.	129,576	56,703	51,298	17,883	3,692	51,203	18,112	23,682	7,312	2,097
85	U. NM	128,924	0	36,308	85,734	6,882	97,446	0	31,171	66,050	225
86	George Washington U.	125,181	92	22,246	62,791	40,052	76,789	76	12,910	51,390	12,413
87	CO State U., Ft. Collins	124,871	33,408	30,925	59,618	920	80,861	14,903	22,841	42,535	582
88	OR State U.	124,408	74,255	43,645	4,311	2,197	67,825	33,094	29,156	3,516	2,059
89	Tufts U.	122,550	0	87,257	35,293	0	96,133	0	65,834	30,299	0
90	U. AR for Medical Sciences	122,066	0	39,021	72,804	10,241	75,924	0	29,072	41,579	5,273
91	SUNY, U. Albany	119,469	0	115,454	4,007	8	108,831	0	106,157	2,674	0
92	U. HI, Manoa	119,293	19,766	9,409	79,383	10,735	70,813	7,311	4,647	52,960	5,895
93	MA Institute of Technology	118,854	0	85,616	17,992	15,246	83,836	0	67,369	5,224	11,243
94	KS State U.	109,978	63,185	45,217	1,576	0	43,476	16,388	26,665	423	0
95	Brown U.	109,473	3	32,998	52,321	24,151	70,032	2	21,199	35,242	13,589
96	U. VT	107,674	10,827	40,728	51,575	4,544	84,755	6,105	35,162	39,588	3,900
97	MS State U.	104,978	96,631	5,187	1,762	1,398	33,993	30,334	2,790	21	848
98	Thomas Jefferson U.	104,923	0	53,144	50,222	1,557	80,027	0	40,823	37,737	1,467
99	U. NE, Lincoln	102,655	52,169	46,966	571	2,949	40,119	16,661	21,716	0	1,742
100	WV U.	97,008	27,195	19,897	45,632	4,284	47,055	12,087	13,532	19,773	1,663
101	Cold Spring Harbor Lab.	95,984	0	95,984	0	0	55,450	0	55,450	0	0
102	U. MO, Columbia	95,695	24,868	21,404	46,506	2,917	81,320	18,714	19,213	40,842	2,551
103	U. MD, College Park	94,346	45,434	34,446	0	14,466	54,149	19,885	24,204	0	10,060
104	U. MS and U. MS Medical Ctr.	93,447	0	21,688	48,274	23,485	58,868	0	14,251	31,537	13,080
105	SUNY, Stony Brook U.	91,529	0	50,195	41,022	312	64,760	0	36,906	27,702	152
106	Auburn U., Auburn	90,565	55,774	6,352	24,668	3,771	20,094	12,546	2,735	1,982	2,831
107	Temple U.	81,812	699	27,295	43,350	10,468	60,686	0	21,257	30,315	9,114
108	U. TN, Health Science Ctr.	80,599	0	31,029	47,552	2,018	51,828	0	27,859	23,886	83
109	Rush U.	76,385	0	19,772	52,417	4,196	55,188	0	16,285	35,231	3,672
110	U. SC, Columbia	76,233	2,364	17,756	52,494	3,619	45,548	2,227	10,103	31,412	1,806
111	ND State U.	74,545	65,291	1,457	7,448	349	12,816	10,012	921	1,623	260
112	U. OK	74,359	0	36,727	34,754	2,878	49,831	0	24,415	23,163	2,253
113	TX A&M Health Science Ctr.	73,687	162	214	73,311	0	32,140	46	196	31,898	0
114	GA Health Sciences U.	73,486	0	54,077	17,762	1,647	54,254	0	40,589	12,441	1,224

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115	U. TX, Austin	69,952	311	44,282	24,011	1,348	46,901	6	27,543	18,266	1,086
116	AZ State U.	68,576	0	52,572	0	16,004	39,008	0	29,942	0	9,066
117	U. CA, Riverside	66,138	13,825	49,132	3,181	0	23,675	4,095	17,667	1,913	0
118	U. AR, Fayetteville	65,185	62,482	2,577	0	126	14,204	12,628	1,567	0	9
119	OK State U., Stillwater	64,650	31,861	30,966	1,437	386	20,723	7,391	12,219	1,113	0
120	U. PR, Medical Sciences Campus	64,017	0	0	64,017	0	54,381	0	0	54,381	0
121	UT State U.	60,660	45,703	13,829	1,128	0	25,620	20,635	4,072	913	0
122	U. MA, Amherst	58,946	28,669	23,276	6,473	528	34,930	16,120	15,422	3,079	309
123	TX Tech U., Health Sciences Ctr.	58,774	0	23,194	35,580	0	14,790	0	7,976	6,814	0
124	CA Institute of Technology	58,440	0	58,440	0	0	52,087	0	52,087	0	0
125	U. ID	58,173	32,527	19,717	5,928	1	28,764	11,978	12,197	4,588	1
126	LA State U., Health Sciences Ctr., New Orleans	57,007	0	21,422	33,545	2,040	45,581	0	19,027	24,901	1,653
127	Drexel U.	53,123	0	27,892	21,974	3,257	40,224	0	23,263	15,170	1,791
128	Princeton U.	52,061	0	52,061	0	0	37,059	0	37,059	0	0
129	MT State U., Bozeman	52,013	36,795	6,150	2,457	6,611	31,669	20,661	4,377	2,210	4,421
130	SD State U.	50,004	33,579	3,642	4,247	8,536	26,588	14,157	1,927	2,540	7,964
131	Southern IL U., Carbondale	49,956	14,092	7,568	28,024	272	17,612	4,101	3,616	9,895	0
132	U. TN, Institute of Agriculture	49,389	40,849	5,174	1,860	1,506	12,553	9,640	2,598	160	155
133	Clemson U.	48,207	18,670	23,091	513	5,933	10,213	3,558	5,652	326	677
134	St. Louis U.	47,678	0	12,329	34,795	554	34,823	0	10,686	23,743	394
135	U. North TX, Health Science Ctr.	45,943	0	36,726	9,217	0	26,132	0	22,327	3,805	0
136	U. MT	44,246	10,881	19,851	11,213	2,301	32,043	6,658	13,525	9,826	2,034
137	IN U., Bloomington	43,388	0	32,422	6,401	4,565	24,700	0	19,438	3,933	1,329
138	SUNY, Health Science Ctr. Brooklyn	41,993	0	16,379	25,196	418	33,964	0	13,843	19,905	216
139	Cleveland State U.	40,038	0	32,703	7,249	86	34,790	0	29,811	4,979	0
140	SUNY, Upstate Medical U.	39,988	0	12,895	27,093	0	28,663	0	9,872	18,791	0
141	Touro C.	39,406 i	0	0	39,406 i	0	32,107 i	0	0	32,107 i	0
142	U. DE	39,305	24,630	6,552	0	8,123	19,139	8,427	4,624	0	6,088
143	U. CO, Boulder	38,454	0	26,690	0	11,764	29,902	0	19,097	0	10,805
144	San Diego State U.	38,075	0	21,250	14,041	2,784	28,659	0	14,957	10,998	2,704
145	Loyola U., Chicago	37,933	0	12,005	23,511	2,417	25,754	0	8,538	16,167	1,049
146	FL State U.	37,591	273	24,289	8,743	4,286	25,108	102	17,432	4,433	3,141
147	U. OR	37,582	0	16,185	21,397	0	31,466	0	12,828	18,638	0
148	Eastern VA Medical School	36,569	0	28,356	8,213	0	25,319	0	24,383	936	0
149	FL International U.	36,001	10	21,224	10,266	4,501	23,917	0	13,446	7,887	2,584
150	Loma Linda U.	35,699	0	3,522	28,676	3,501	30,039	0	3,054	24,661	2,324
151	NM State U.	35,369	30,608	4,761	0	0	13,411	9,216	4,195	0	0
152	U. Toledo	35,302	3,191	17,180	14,026	905	24,515	1,853	13,016	8,896	750

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153	U. NV, Reno	34,025	14,411	14,815	4,410	389	22,902	5,539	13,646	3,398	319
154	Morehouse School of Medicine	33,946	0	4,334	20,996	8,616	28,128	0	4,322	15,287	8,519
155	TX Tech U.	32,884	23,418	8,475	991	0	6,276	4,355	1,892	29	0
156	U. RI	32,753	8,171	4,847	15,118	4,617	24,557	2,934	4,648	13,698	3,277
157	U. LA, Lafayette	32,018	39	30,259	0	1,720	6,411	1	6,380	0	30
158	U. ME	31,622	17,467	11,834	673	1,648	12,435	6,568	5,298	24	545
159	LA State U., Medical Ctr., Shreveport	31,021	0	14,755	15,850	416	15,316	0	12,920	2,396	0
160	Brandeis U.	30,462	0	30,462	0	0	26,106	0	26,106	0	0
161	U. South AL	30,248	0	834	29,355	59	12,052	0	258	11,765	29
162	U. CA, Office of the President	29,960	1,823	0	28,137	0	372	258	0	114	0
163	Meharry Medical C.	29,055	0	29,055	0	0	26,779	0	26,779	0	0
164	Creighton U.	27,985	0	9,296	17,717	972	13,279	0	6,009	6,522	748
165	NY Medical C.	27,316	0	15,559	11,757	0	21,013	0	12,562	8,451	0
166	U. CA, Santa Barbara	26,064	0	25,632	0	432	16,450	0	16,018	0	432
167	U. AK, Fairbanks	24,896	7,501	14,144	748	2,503	18,193	3,814	12,006	748	1,625
168	Howard U.	24,258	0	1,601	20,682	1,975	21,658	0	1,308	18,530	1,820
169	U. NH	24,114	11,557	8,393	197	3,967	13,421	5,631	5,428	143	2,219
170	Northeastern U.	23,717	0	17,452	1,370	4,895	19,097	0	15,414	847	2,836
171	FL Atlantic U.	23,119	5,280	5,483	9,673	2,683	7,080	2,620	1,272	1,993	1,195
172	GA Institute of Technology	22,936	0	18,193	4,087	656	11,421	0	8,884	2,508	29
173	U. Notre Dame	22,914	0	22,914	0	0	11,640	0	11,640	0	0
174	Wright State U.	22,559	0	3,096	19,252	211	13,315	0	1,420	11,831	64
175	U. HI, Hilo	22,298	1,172	7,254	13,327	545	20,798	925	6,228	13,100	545
176	Charles R. Drew U. of Medicine and Science	22,150	0	0	22,150	0	20,679	0	0	20,679	0
177	U. Houston	21,773	0	11,670	10,075	28	12,728	0	4,873	7,831	24
178	U. TX, San Antonio	21,737	0	21,737	0	0	13,450	0	13,450	0	0
179	Southern IL U., Edwardsville	21,563	19,010	313	2,098	142	1,205	654	76	475	0
180	Albany Medical C.	20,876	0	17,549	3,327	0	13,884	0	13,148	736	0
181	U. MO, Kansas City	20,618	0	4,276	15,504	838	14,535	0	3,434	11,053	48
182	U. WY	19,753	5,491	10,507	2,066	1,689	17,080	4,080	9,406	1,993	1,601
183	U. TX, Dallas	19,577	0	5,716	13,861	0	8,404	0	3,045	5,359	0
184	East Carolina U.	19,464	884	8,458	9,391	731	12,653	771	6,589	4,705	588
185	GA State U.	18,828	0	10,753	5,385	2,690	9,281	0	5,223	2,473	1,585
186	Marshall U.	18,718	0	4,541	10,309	3,868	14,935	0	3,598	7,578	3,759
187	U. CA, Santa Cruz	18,300	2,542	15,758	0	0	11,318	574	10,744	0	0
188	U. TN, Knoxville	18,175	1,501	14,409	2,148	117	11,130	529	9,576	992	33
189	FL A&M U.	18,104	8,290	1,794	4,757	3,263	16,286	8,008	1,690	3,453	3,135
190	Northern AZ U.	16,935	4,465	12,155	0	315	11,897	2,368	9,529	0	0

TABLE 24. Total and federally financed higher education R&D expenditures in the life sciences, ranked by life sciences R&D total, by subfield: FY 2011  
(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
191	NC Agricultural and Technical State U.	16,762	14,706	1,965	91	0	7,646	5,693	1,862	91	0
192	U. ND	16,670	0	12,693	1,397	2,580	13,704	0	10,784	807	2,113
193	U. TX, El Paso	16,573	0	10,293	5,989	291	10,422	0	7,595	2,827	0
194	U. SD	16,274	0	13,540	1,740	994	9,680	0	8,828	735	117
195	U. of the VI	15,717 i	0	0	0	15,717 i	15,717 i	0	0	0	15,717 i
196	Carnegie Mellon U.	15,242	1,813	11,804	890	735	12,475	1,657	9,533	774	511
197	Old Dominion U.	15,125	0	7,161	6,865	1,099	6,160	0	2,964	2,439	757
198	George Mason U.	14,517	695	4,317	7,970	1,535	10,150	449	3,457	5,551	693
199	Rutgers, State U. NJ, Newark	14,175	0	6,800	5,377	1,998	8,559	0	5,140	2,080	1,339
200	Rosalind Franklin U. of Medicine and Science	13,846	0	9,074	4,751	21	9,024	0	5,559	3,444	21
201	Northeast OH Medical U.	13,076	0	8,207	4,866	3	3,895	0	2,650	1,245	0
202	CUNY, Hunter C.	12,720	0	12,219	0	501	7,155	0	6,910	0	245
203	U. MA, Lowell	12,361	0	1,553	252	10,556	7,118	0	600	252	6,266
204	AL State U.	12,340	0	12,340	0	0	12,340	0	12,340	0	0
205	DE State U.	12,231	9,981	2,249	0	1	6,422	4,247	2,175	0	0
206	Rice U.	12,194	0	12,194	0	0	9,384	0	9,384	0	0
207	AL A&M U.	12,182 i	9,567 i	1,333 i	0 i	1,282 i	4,922 i	3,248 i	1,002 i	0 i	672 i
208	CUNY, City C.	12,072	0	7,069	4,742	261	8,628	0	5,072	3,295	261
209	U. North TX, Denton	11,585	0	10,521	297	767	3,899	0	3,568	263	68
210	OH U.	11,062	3	6,902	3,525	632	5,324	3	3,738	1,470	113
211	San Francisco State U.	10,984	0	9,212	1,458	314	7,293	0	6,957	67	269
212	CUNY, Queens C.	10,813	0	854	0	9,959	9,656	0	687	0	8,969
213	AR State U., Jonesboro	10,712	1,908	8,254	0	550	6,223	1,120	5,103	0	0
214	Ponce School of Medicine	10,502	0	131	10,371	0	9,318	0	131	9,187	0
215	TX A&M U., Kingsville	10,499	9,554	919	26	0	2,749	2,160	563	26	0
216	U. WI, Milwaukee	10,380	0	3,191	244	6,945	5,016	0	2,143	128	2,745
217	IL Institute of Technology	10,134	0	10,134	0	0	8,835	0	8,835	0	0
218	Tuskegee U.	10,107	3,253	586	4,296	1,972	7,783	3,029	227	2,644	1,883
219	U. NC, Wilmington	9,756	1,597	7,458	322	379	5,903	983	4,522	211	187
220	U. MD, Baltimore County	9,737	0	9,737	0	0	5,786	0	5,786	0	0
221	Prairie View A&M U.	9,456	9,352	23	81	0	6,541	6,457	16	68	0
222	U. PR, Rio Piedras	8,871	0	8,871	0	0	8,281	0	8,281	0	0
223	U. Central FL	8,541	78	2,159	2,184	4,120	4,897	54	1,157	1,911	1,775
224	TN State U.	8,400	6,574	1,136	0	690	5,653	3,991	1,063	0	599
225	U. AR, Pine Bluff	8,370	8,179	0	0	191	4,164	4,015	0	0	149
226	U. MA, Boston	8,278	0	2,581	4,675	1,022	4,861	0	1,870	2,652	339
227	Boston C.	8,243	0	7,391	0	852	7,072	0	6,507	0	565
228	Duquesne U.	8,129	0	3,084	4,470	575	3,016	0	1,040	1,707	269
229	SUNY, C. of Environmental Science and Forestry	7,994 i	0 i	7,994 i	0 i	0 i	3,413 i	0 i	3,413 i	0 i	0 i

TABLE 24. Total and federally financed higher education R&D expenditures in the life sciences, ranked by life sciences R&D total, by subfield: FY 2011  
(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
230	U. Southern MS	7,742	0	6,731	171	840	7,352	0	6,499	31	822
231	East TN State U.	7,687	0	2,652	5,034	1	6,203	0	2,212	3,991	0
232	NC Central U.	7,543	0	7,543	0	0	7,543	0	7,543	0	0
233	U. Central del Caribe	7,515	0	0	7,515	0	6,613	0	0	6,613	0
234	Brigham Young U., Provo	7,308	2,976	4,246	0	86	4,421	1,359	3,028	0	34
235	U. NC, Greensboro	7,265	0	3,260	0	4,005	5,289	0	2,219	0	3,070
236	Alcorn State U.	7,050	4,398	2,198	0	454	5,421	3,298	1,765	0	358
237	CA State U., Fresno	7,019	5,503	1,155	0	361	2,589	1,427	1,029	0	133
238	Miami U.	6,804	1	4,848	0	1,955	5,329	0	4,401	0	928
239	Marquette U.	6,767	0	2,137	2,425	2,205	4,861	0	1,686	1,739	1,436
240	Boise State U.	6,728	37	4,507	1,863	321	5,001	32	3,512	1,275	182
241	Tarleton State U.	6,656	6,539	105	12	0	5,945	5,945	0	0	0
242	CA State U., Fullerton	6,405	0	2,763	30	3,612	4,405	0	1,738	0	2,667
243	Mercer U.	6,336	0	58	5,222	1,056	2,501	0	0	2,395	106
244	SUNY, U. Binghamton	6,164	0	4,932	1	1,231	2,166	0	1,931	0	235
245	Nova Southeastern U.	6,107	0	0	5,544	563	2,728	0	0	2,373	355
246	Lincoln U., Jefferson City	5,952	4,628	1,324	0	0	4,735	3,411	1,324	0	0
247	U. AL, Tuscaloosa	5,892	0	3,689	0	2,203	3,976	0	2,700	0	1,276
248	U. MD, Eastern Shore	5,851	3,754	1,198	0	899	5,849	3,753	1,197	0	899
249	U. MO, St. Louis	5,808	0	2,389	1,681	1,738	2,890	0	1,641	1,131	118
250	U. NV, Las Vegas	5,807	0	4,143	36	1,628	4,659	0	3,399	12	1,248
251	Southern U. Agriculture Research and Extension Ctr.	5,773	5,773	0	0	0	4,049	4,049	0	0	0
252	U. AK, Anchorage	5,622	280	3,593	96	1,653	4,458	28	2,955	73	1,402
253	Xavier U. LA	5,530	129	1,084	4,314	3	2,986	129	730	2,124	3
254	ID State U.	5,527	0	2,766	2,562	199	4,159	0	2,266	1,706	187
255	VA State U.	5,522	5,425	97	0	0	3,812	3,719	93	0	0
256	Langston U.	5,206	5,206	0	0	0	3,778	3,778	0	0	0
257	Kent State U.	5,081	0	4,301	171	609	2,655	0	2,302	142	211
258	U. Southern ME	4,994	421	3,728	488	357	2,828	120	2,451	26	231
259	Palmer C. of Chiropractic, Davenport	4,861	0	0	0	4,861	3,344	0	0	0	3,344
260	Humboldt State U.	4,823	1,556	3,256	11	0	1,919	967	952	0	0
261	U. CA, Merced	4,739	0	4,739	0	0	2,444	0	2,444	0	0
262	U. NC, Charlotte	4,674	0	3,325	620	729	3,447	0	2,526	357	564
263	U. Memphis	4,644	0	2,495	0	2,149	1,565	0	1,030	0	535
264	Oakland U.	4,590	0	1,276	38	3,276	2,225	0	825	0	1,400
265	KY State U.	4,419	4,405	14	0	0	3,038	3,024	14	0	0
266	CA State U., Long Beach	4,189 i	0 i	2,564 i	560 i	1,065 i	2,865 i	0 i	1,994 i	0 i	871 i
267	CA Polytechnic State U., San Luis Obispo	4,099	3,629	470	0	0	912	717	195	0	0

TABLE 24. Total and federally financed higher education R&D expenditures in the life sciences, ranked by life sciences R&D total, by subfield: FY 2011  
(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
268	Midwestern U., Downers Grove	4,022	0	3,337	539	146	438	0	438	0	0
269	U. GU	3,905	2,020	562	1,323	0	3,850	2,020	507	1,323	0
270	Jackson State U.	3,851	0	3,065	0	786	3,542	0	2,884	0	658
271	U. TX, Arlington	3,823	0	2,955	0	868	1,468	0	1,414	0	54
272	Clark Atlanta U.	3,799	19	3,487	293	0	3,439	19	3,420	0	0
273	Wheeling Jesuit U.	3,792	1,009	120	2,663	0	3,631	848	120	2,663	0
274	SUNY, C. of Optometry	3,738	0	0	3,738	0	3,336	0	0	3,336	0
275	CA State U., San Marcos	3,725 i	232 i	2,839 i	0 i	654 i	3,071 i	232 i	2,839 i	0 i	0 i
276	Syracuse U.	3,725	0	3,252	262	211	2,955	0	2,841	0	114
277	WV State U.	3,618	2,596	827	195	0	2,733	1,817	721	195	0
278	CA State U., Monterey Bay	3,608	1,117	2,491	0	0	3,515	1,108	2,407	0	0
279	IN U.-Purdue U., Ft. Wayne	3,574	0	224	2,100	1,250	1,272	0	86	889	297
280	Wesleyan U.	3,564	0	3,564	0	0	2,043	0	2,043	0	0
281	CA State Polytechnic U., Pomona	3,544	791	2,753	0	0	2,047	117	1,930	0	0
282	Albany C. of Pharmacy and Health Sciences	3,496	0	0	3,496	0	1,634	0	0	1,634	0
283	U. Akron	3,436	0	2,025	0	1,411	1,129	0	825	0	304
284	TX State U., San Marcos	3,419	56	2,840	520	3	1,048	0	1,048	0	0
285	MO State U.	3,340	807	1,092	1,440	1	2,795	535	920	1,340	0
286	C. of William and Mary and VA Institute of Marine Science	3,326	690	2,323	0	313	1,997	412	1,272	0	313
287	CA State U., Northridge	3,248	0	3,248	0	0	2,638	0	2,638	0	0
288	Ft. Valley State U.	3,207	3,207	0	0	0	2,939	2,939	0	0	0
289	U. PR, Mayaguez	3,188	581	2,607	0	0	1,612	210	1,402	0	0
290	Portland State U.	3,142	0	3,023	0	119	3,020	0	2,901	0	119
291	CUNY, Brooklyn C.	3,059	0	2,764	0	295	2,868	0	2,597	0	271
292	Central MI U.	3,019	0	2,071	465	483	2,308	0	1,395	462	451
293	TX A&M U., Corpus Christi	2,911	72	1,894	945	0	1,616	0	756	860	0
294	Ball State U.	2,896	771	716	337	1,072	962	37	524	310	91
295	Northern IL U.	2,895	0	2,608	267	20	2,349	0	2,160	189	0
296	CA State U., Bakersfield	2,886	0	822	0	2,064	575	0	323	0	252
297	Long Island U.	2,851 i	0 i	81 i	2,770 i	0 i	2,505 i	0 i	39 i	2,466 i	0 i
298	Stephen F. Austin State U.	2,834	1,769	1,004	0	61	742	306	430	0	6
299	St. Francis U.	2,823	0	0	0	2,823	2,823	0	0	0	2,823
300	San Jose State U.	2,771	0	2,675	0	96	847	0	847	0	0
301	TX Southern U.	2,747	0	2,747	0	0	2,693	0	2,693	0	0
302	Rensselaer Polytechnic Institute	2,740	0	2,740	0	0	1,878	0	1,878	0	0
303	Eastern KY U.	2,713	2,185	520	8	0	2,424	2,115	301	8	0
304	Seton Hall U.	2,699	0	1,142	1,557	0	1,142	0	1,142	0	0
305	CA State U., Sacramento	2,681	0	1,922	0	759	1,185	0	825	0	360



TABLE 24. Total and federally financed higher education R&D expenditures in the life sciences, ranked by life sciences R&D total, by subfield: FY 2011  
(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
306	OK State U. Ctr. for Health Sciences	2,676	0	202	2,474	0	323	0	179	144	0
307	MI Technological U.	2,639	0	2,583	0	56	893	0	893	0	0
308	Tougaloo C.	2,542	0	1,242	1,300	0	2,542	0	1,242	1,300	0
309	Clafin U.	2,511	0	2,259	0	252	2,461	0	2,209	0	252
310	IL State U.	2,500	795	1,476	0	229	1,734	365	1,195	0	174
311	Edward Via C. of Osteopathic Medicine	2,453	0	2,453	0	0	707	0	707	0	0
312	SC State U.	2,447	2,442	0	0	5	2,430	2,425	0	0	5
313	U. NE, Omaha	2,435	3	1,171	0	1,261	1,166	0	772	0	394
314	U. LA, Monroe	2,380	0	1,772	608	0	1,720	0	1,222	498	0
315	West TX A&M U.	2,372	2,160	212	0	0	258	242	16	0	0
316	Philadelphia C. of Osteopathic Medicine	2,358	0	2,094	264	0	813	0	813	0	0
317	U. TX, Brownsville	2,345	0	742	1,603	0	2,092	0	672	1,420	0
318	Louis V. Gerstner Jr. Graduate School of Biomedical Sciences at Memorial Sloan-Kettering Cancer Ctr.	2,342	0	2,342	0	0	106	0	106	0	0
319	Keck Graduate Institute	2,313	0	2,313	0	0	1,744	0	1,744	0	0
320	Wichita State U.	2,298	0	2,029	0	269	1,766	0	1,697	0	69
321	Morgan State U.	2,282	623	793	237	629	1,336	444	694	198	0
322	U. New England	2,251	72	134	2,045	0	1,760	0	134	1,626	0
323	U. AR, Little Rock	2,237	252	1,269	680	36	1,555	113	1,030	382	30
324	SUNY, U. Albany, C. Nanoscale Science and Engineering	2,224	0	2,224	0	0	2,224	0	2,224	0	0
325	U. MN, Duluth	2,203	0	2,203	0	0	1,577	0	1,577	0	0
326	Sul Ross State U.	2,200	1,494	706	0	0	1,574	1,301	273	0	0
327	TX Woman's U.	2,197	0	1,338	0	859	865	0	776	0	89
328	Western MI U.	2,192	0	558	0	1,634	1,671	0	358	0	1,313
329	Fordham U.	2,123	0	1,937	186	0	1,618	0	1,436	182	0
330	Bastyr U.	2,121	0	0	2,121	0	1,988	0	0	1,988	0
331	Gallaudet U.	2,083	0	820	50	1,213	1,856	0	739	0	1,117
332	Nicholls State U.	2,077	0	2,072	5	0	1,541	0	1,541	0	0
333	U. TX, Pan American	2,025	26	546	1,439	14	1,576	26	384	1,152	14
334	U. MA, Dartmouth	2,021	946	1,004	0	71	1,503	918	585	0	0
335	U. DC	2,008	1,063	287	658	0	1,568	733	207	628	0
336	LA Tech U.	1,999	767	342	441	449	555	279	47	142	87
337	A. T. Still U. of Health Sciences	1,925	0	495	929	501	244	0	244	0	0
338	FL Institute of Technology	1,895	0	1,895	0	0	1,535	0	1,535	0	0
339	CA State U., Los Angeles	1,881	0	1,475	0	406	1,786	0	1,380	0	406
340	U. Denver	1,867	0	1,867	0	0	1,474	0	1,474	0	0
341	CUNY, Lehman C.	1,836	0	1,293	0	543	1,639	0	1,153	0	486
342	Lehigh U.	1,808	0	1,808	0	0	1,382	0	1,382	0	0
343	Murray State U.	1,805	57	1,551	195	2	865	19	651	195	0

TABLE 24. Total and federally financed higher education R&D expenditures in the life sciences, ranked by life sciences R&D total, by subfield: FY 2011  
(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
344	Appalachian State U.	1,778	149	1,627	0	2	1,187	131	1,054	0	2
345	New England C. of Optometry	1,751	0	0	1,751	0	1,236	0	0	1,236	0
346	Azusa Pacific U.	1,712 i	25 i	524 i	1,082 i	81 i	0	0	0	0	0
347	Catholic U. America	1,700	0	1,469	0	231	1,515	0	1,386	0	129
348	GA Southern U.	1,633	18	940	525	150	576	18	488	70	0
349	Teachers C., Columbia U.	1,621	0	0	0	1,621	815	0	0	0	815
350	U. NE, Kearney	1,589	0	1,567	0	22	685	0	683	0	2
351	U. WI, La Crosse	1,588 i	2 i	1,417 i	132 i	37 i	987 i	2 i	969 i	16 i	0 i
352	Northwestern Health Sciences U.	1,548	0	0	0	1,548	1,179	0	0	0	1,179
353	U. AL, Huntsville	1,532	693	794	0	45	1,393	685	708	0	0
354	Purdue U., Calumet	1,500	0	334	71	1,095	440	0	183	0	257
355	Salus U.	1,493	0	1,493	0	0	1,152	0	1,152	0	0
356	TN Technological U.	1,437	1,022	376	0	39	654	357	297	0	0
357	U. of the Sciences Philadelphia	1,410	0	318	0	1,092	739	0	259	0	480
358	Southern Methodist U.	1,404	0	1,404	0	0	1,239	0	1,239	0	0
359	Bowdoin C.	1,402	0	1,342	60	0	946	0	886	60	0
360	FL Gulf Coast U.	1,401	1	1,358	23	19	1,238	1	1,235	2	0
361	U. WI, Oshkosh	1,393	0	1,336	57	0	866	0	859	7	0
362	U. West FL	1,377	90	1,279	0	8	601	90	511	0	0
363	Shaw U.	1,371	0	0	0	1,371	1,371	0	0	0	1,371
364	Montclair State U.	1,351	0	1,209	0	142	810	0	668	0	142
365	Dillard U.	1,337 i	0 i	198 i	761 i	378 i	937 i	0 i	57 i	521 i	359 i
366	Barry U.	1,331	0	1,329	0	2	1,329	0	1,329	0	0
367	U. San Diego	1,329	0	83	668	578	573	0	36	0	537
368	Haverford C.	1,323 i	0 i	1,323 i	0 i	0 i	983	0	983	0	0
369	Western KY U.	1,323	253	1,070	0	0	1,063	222	841	0	0
370	Roger Williams U.	1,322	923	399	0	0	1,249	877	372	0	0
371	Towson U.	1,304	0	957	0	347	835	0	776	0	59
372	Fayetteville State U.	1,303	0	0	709	594	1,100	0	0	618	482
373	Allen U.	1,285 i	44 i	1,096 i	116 i	29 i	1,285 i	44 i	1,096 i	116 i	29 i
374	Clarkson U.	1,264	0	1,144	0	120	1,061	0	976	0	85
375	St. Cloud State U.	1,258	0	1,242	16	0	183	0	183	0	0
376	Morehouse C.	1,248 i	1 i	1,213 i	24 i	10 i	1,248 i	1 i	1,213 i	24 i	10 i
377	C. Charleston	1,246	0	1,246	0	0	882	0	882	0	0
378	Hampton U.	1,233	200	272	0	761	1,233	200	272	0	761
379	National U.	1,233 i	33 i	452 i	608 i	140 i	318 i	17 i	93 i	153 i	55 i
380	IN State U.	1,213	0	1,147	66	0	781	0	781	0	0
381	Western WA U.	1,206	0	845	109	252	349	0	327	22	0

TABLE 24. Total and federally financed higher education R&D expenditures in the life sciences, ranked by life sciences R&D total, by subfield: FY 2011  
(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
382	U. of the Pacific	1,198	0	150	1,037	11	558	0	147	411	0
383	Touro U., Vallejo	1,196	0	0	1,196	0	1,196	0	0	1,196	0
384	U. Dayton	1,181	1	1,150	0	30	823	0	823	0	0
385	Savannah State U.	1,174	0	300	874	0	1,003	0	129	874	0
386	Barnes-Jewish C. Goldfarb School of Nursing	1,173 i	10 i	400 i	713 i	50 i	646 i	2 i	239 i	380 i	25 i
387	U. del Este	1,166	0	440	0	726	1,158	0	440	0	718
388	U. New Orleans	1,150	0	1,150	0	0	447	0	447	0	0
389	Northern KY U.	1,149	0	1,142	0	7	815	0	815	0	0
390	Grand Valley State U.	1,143 i	0 i	808 i	121 i	214 i	421 i	0 i	421 i	0 i	0 i
391	CA State U., Chico	1,135	879	240	0	16	359	120	232	0	7
392	Northwest Indian C.	1,135 i	0 i	178 i	82 i	875 i	1,135 i	0 i	178 i	82 i	875 i
393	Eastern MI U.	1,132	0	269	0	863	911	0	269	0	642
394	Southeastern LA U.	1,127	0	1,013	114	0	626	0	621	5	0
395	Sam Houston State U.	1,124	58	1,066	0	0	783	40	743	0	0
396	Baylor U.	1,122	0	930	0	192	279	0	268	0	11
397	U. WI, Stevens Point	1,109 i	321 i	762 i	0 i	26 i	477 i	78 i	399 i	0 i	0 i
398	Central State U.	1,108	0	351	0	757	1,108	0	351	0	757
399	Franklin and Marshall C.	1,086	0	1,086	0	0	423	0	423	0	0
400	CA State U., San Bernardino	1,076	0	555	67	454	993	0	472	67	454
401	Smith C.	1,059	2	1,056	0	1	831	0	831	0	0
402	Milwaukee School of Engineering	1,033	0	1,033	0	0	598	0	598	0	0
403	St. Edward's U.	1,024	0	1,024	0	0	1,024	0	1,024	0	0
404	U. North FL	1,023	35	622	262	104	715	0	459	184	72
405	Spelman C.	1,015	0	655	0	360	1,015	0	655	0	360
406	NY Institute of Technology	950	0	0	950	0	175	0	0	175	0
407	U. Central AR	944	0	862	3	79	843	0	772	0	71
408	Black Hills State U.	934	0	934	0	0	825	0	825	0	0
409	Des Moines U.	924	91	340	493	0	91	91	0	0	0
410	Chicago State U.	920	0	637	0	283	920	0	637	0	283
411	Angelo State U.	916	629	256	0	31	191	0	191	0	0
412	Worcester Polytechnic Institute	904	0	904	0	0	550	0	550	0	0
413	Dominican U. CA	900	645	255	0	0	900	645	255	0	0
414	Western U. of Health Sciences	900	866	0	0	34	900	866	0	0	34
415	Drew U.	899	0	810	0	89	352	0	352	0	0
416	Christopher Newport U.	892	0	892	0	0	825	0	825	0	0
417	SUNY, C. Old Westbury	891 i	0 i	891 i	0 i	0 i	507 i	0 i	507 i	0 i	0 i
418	CUNY, York C.	889	0	889	0	0	763	0	763	0	0
419	LA State U., Shreveport	885	0	885	0	0	359	0	359	0	0
420	Lewis and Clark C.	880	0	880	0	0	438	0	438	0	0

TABLE 24. Total and federally financed higher education R&D expenditures in the life sciences, ranked by life sciences R&D total, by subfield: FY 2011  
(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
421	Western IL U.	875	574	291	0	10	466	220	246	0	0
422	Lawrence Technological U.	868	0	0	0	868	778	0	0	0	778
423	U. Western States	858	0	0	0	858	757	0	0	0	757
424	James Madison U.	856	0	610	169	77	501	0	376	77	48
425	Clark U.	852	0	852	0	0	613	0	613	0	0
426	Kennesaw State U.	848	0	424	312	112	543	0	318	225	0
427	St. Joseph's U.	842	0	842	0	0	420	0	420	0	0
428	Desert Research Institute	828	0	828	0	0	767	0	767	0	0
429	Trinity C., Hartford	825	0	217	533	75	790	0	184	531	75
430	Chapman U.	823	164	659	0	0	365	150	215	0	0
431	Alliant International U.	820 i	12 i	251 i	518 i	39 i	0	0	0	0	0
432	CA State U., Stanislaus	819 i	90 i	249 i	433 i	47 i	578 i	41 i	190 i	314 i	33 i
433	Williams C.	817	75	693	0	49	412	0	412	0	0
434	U. CO, Colorado Springs	811	0	64	204	543	596	0	20	102	474
435	SUNY, C. Brockport	807	562	242	0	3	393	151	242	0	0
436	Pacific U.	802	0	98	674	30	0	0	0	0	0
437	National C. of Natural Medicine	791	0	0	791	0	247	0	0	247	0
438	Rutgers, State U. NJ, Camden	791	0	722	69	0	646	0	646	0	0
439	Seattle U.	789	0	554	196	39	343	0	275	29	39
440	Wellesley C.	778	0	778	0	0	665	0	665	0	0
441	Bowling Green State U.	760	0	591	0	169	448	0	448	0	0
442	Gonzaga U.	748	0	591	157	0	300	0	143	157	0
443	Middlebury C.	746	0	746	0	0	746	0	746	0	0
444	Pomona C.	743	0	716	0	27	444	0	444	0	0
445	Winston-Salem State U.	743	0	501	26	216	743	0	501	26	216
446	Middle TN State U.	740	193	504	0	43	444	74	370	0	0
447	Swarthmore C.	740	0	740	0	0	239	0	239	0	0
448	Bucknell U.	737	254	483	0	0	248	0	248	0	0
449	Macalester C.	736	0	736	0	0	469	0	469	0	0
450	CA State U., Dominguez Hills	727	0	727	0	0	727	0	727	0	0
451	Eastern WA U.	711	0	647	64	0	0	0	0	0	0
452	Sojourner-Douglass C.	709	0	77	0	632	709	0	77	0	632
453	Governors State U.	707	0	0	0	707	707	0	0	0	707
454	Austin Peay State U.	701	71	630	0	0	150	71	79	0	0
455	Norwich U.	695 i	3 i	228 i	95 i	369 i	504	0	153	0	351
456	Morehead State U.	688	262	426	0	0	542	215	327	0	0
457	Reed C.	686	0	686	0	0	361	0	361	0	0
458	U. Northern CO	683	0	422	0	261	517	0	321	0	196

TABLE 24. Total and federally financed higher education R&D expenditures in the life sciences, ranked by life sciences R&D total, by subfield: FY 2011  
(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
459	Amherst C.	680	0	483	197	0	229	0	229	0	0
460	U.S. Air Force Academy	676	0	676	0	0	312	0	312	0	0
461	East Central U.	674 i	202 i	284 i	99 i	89 i	529 i	138 i	238 i	76 i	77 i
462	Providence C.	666	0	666	0	0	640	0	640	0	0
463	Whitman C.	654	0	654	0	0	654	0	654	0	0
464	NJ Institute of Technology	644	0	644	0	0	180	0	180	0	0
465	Mt. St. Mary's C.	626	0	626	0	0	626	0	626	0	0
466	Bates C.	607	0	607	0	0	527	0	527	0	0
467	Fairfield U.	607	0	446	0	161	54	0	54	0	0
468	U. St. Thomas (MN)	598	0	598	0	0	419	0	419	0	0
469	Villanova U.	598 i	0 i	466 i	132 i	0 i	413 i	0 i	322 i	91 i	0 i
470	Southern CA C. of Optometry	596 i	0	232 i	302 i	62 i	79 i	0	25 i	40 i	14 i
471	Sitting Bull C.	590	317	273	0	0	590	317	273	0	0
472	West Chester U. PA	589	0	403	12	174	324	0	150	0	174
473	MGH Institute of Health Professions	587	0	0	587	0	408	0	0	408	0
474	TX Christian U.	581	21	86	0	474	93	21	24	0	48
475	Minot State U.	577	21	556	0	0	546	17	529	0	0
476	MT Tech of U. MT	577	0	577	0	0	305	0	305	0	0
477	Calvin C.	574	0	516	0	58	92	0	92	0	0
478	Winthrop U.	574	0	574	0	0	393	0	393	0	0
479	Frostburg State U.	573	0	573	0	0	540	0	540	0	0
480	Santa Clara U.	570	235	266	0	69	559	235	264	0	60
481	Benedict C.	556	0	416	140	0	472	0	410	62	0
482	HI Pacific U.	555	0	227	0	328	488	0	227	0	261
483	Kean U.	550	0	0	0	550	550	0	0	0	550
484	Elon U.	546 i	10 i	214 i	271 i	51 i	0	0	0	0	0
485	RI C.	545	0	534	0	11	523	0	516	0	7
486	St. Olaf C.	545	0	545	0	0	463	0	463	0	0
487	Augustana C., Sioux Falls	544	0	544	0	0	487	0	487	0	0
488	Daemen C.	543 i	0 i	0 i	0 i	543 i	421 i	0 i	0 i	0 i	421 i
489	CT C.	537	3	482	0	52	264	0	264	0	0
490	MN State U., Moorhead	537 i	73 i	155 i	279 i	30 i	286 i	21 i	94 i	155 i	16 i
491	U. Portland	535	0	35	500	0	253	0	0	253	0
492	U. Tulsa	533	0	462	0	71	342	0	282	0	60
493	CA State U., East Bay	530	9	512	9	0	61	0	57	4	0
494	Pepperdine U.	530 i	0 i	204 i	326 i	0 i	162	0	162	0	0
495	WV School of Osteopathic Medicine	528	0	0	528	0	17	0	0	17	0
496	SUNY, C. Plattsburgh	523	0	5	0	518	523	0	5	0	518

TABLE 24. Total and federally financed higher education R&D expenditures in the life sciences, ranked by life sciences R&D total, by subfield: FY 2011  
(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
497	Hendrix C.	510	0	510	0	0	460	0	460	0	0
498	Loyola U., New Orleans	498	0	474	0	24	252	0	252	0	0
499	Lincoln U. of the Commonwealth of PA	492	0	0	33	459	492	0	0	33	459
500	Plymouth State U.	487 i	0 i	138 i	0 i	349 i	478 i	0 i	138 i	0 i	340 i
501	Albany State U.	483	307	69	107	0	174	0	69	105	0
502	U. TN, Chattanooga	481	68	334	0	79	181	0	181	0	0
503	U. TX, Tyler	475	403	30	0	42	210	147	23	0	40
504	Bryn Mawr C.	474	0	474	0	0	102	0	102	0	0
505	St. Bonaventure U.	472	0	472	0	0	472	0	472	0	0
506	OH Wesleyan U.	463	0	463	0	0	433	0	433	0	0
507	Colgate U.	462	0	462	0	0	133	0	133	0	0
508	Capitol C.	454 i	1 i	168 i	267 i	18 i	454 i	1 i	168 i	267 i	18 i
509	Claremont McKenna C.	454	0	454	0	0	454	0	454	0	0
510	Mayville State U.	454	96	96	262	0	404	96	96	212	0
511	New C. FL	448	0	448	0	0	153	0	153	0	0
512	Oberlin C.	447	0	411	36	0	365	0	365	0	0
513	Occidental C.	446	0	446	0	0	155	0	155	0	0
514	Pace U.	444	0	140	7	297	133	0	126	7	0
515	Lake Superior State U.	439	0	435	0	4	90	0	90	0	0
516	St. Catherine U.	439	0	359	80	0	239	0	239	0	0
517	Doane C.	438	0	438	0	0	434	0	434	0	0
518	MT State U., Billings	438	0	437	0	1	301	0	301	0	0
519	U. Northern IA	437	358	79	0	0	85	35	50	0	0
520	Harvey Mudd C.	431	0	431	0	0	305	0	305	0	0
521	U. WI, Eau Claire	431	16	291	0	124	385	0	262	0	123
522	U. MN, Rochester	429	0	429	0	0	0	0	0	0	0
523	Northwest Nazarene U.	422	0	422	0	0	367	0	367	0	0
524	Auburn U., Montgomery	418	0	418	0	0	407	0	407	0	0
525	Ithaca C.	413	0	150	0	263	287	0	75	0	212
526	American U.	411	0	385	0	26	10	0	10	0	0
527	Eastern IL U.	402	0	402	0	0	202	0	202	0	0
528	Heidelberg U.	402 i	16 i	130 i	197 i	59 i	266 i	14 i	77 i	129 i	46 i
529	Western Carolina U.	400	69	331	0	0	319	66	253	0	0
530	Davidson C.	399	0	399	0	0	213	0	213	0	0
531	NM Institute of Mining and Technology	399	0	399	0	0	399	0	399	0	0
532	Southern C. of Optometry	392	0	0	392	0	0	0	0	0	0
533	Willamette U.	390	0	367	0	23	147	0	147	0	0
534	Mt. Holyoke C.	389	0	389	0	0	45	0	45	0	0
535	U. WI, Platteville	384 i	346 i	38 i	0 i	0 i	0 i	0 i	0 i	0 i	0 i

TABLE 24. Total and federally financed higher education R&D expenditures in the life sciences, ranked by life sciences R&D total, by subfield: FY 2011  
(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
536	Southern U. and A&M C., Baton Rouge	379 i	52 i	322 i	5 i	0 i	374 i	52 i	322 i	0 i	0 i
537	Colby C.	377	0	377	0	0	218	0	218	0	0
538	Rochester Institute of Technology	376	0	362	14	0	231	0	231	0	0
539	Siena C.	368	0	368	0	0	368	0	368	0	0
540	Carleton C.	365	0	365	0	0	222	0	222	0	0
541	Drake U.	361	0	148	0	213	107	0	83	0	24
542	Ashland U.	358 i	0 i	133 i	211 i	14 i	353 i	0 i	131 i	208 i	14 i
543	Hofstra U.	358	0	358	0	0	340	0	340	0	0
544	Kenyon C.	358	0	358	0	0	358	0	358	0	0
545	Central WA U.	351	82	269	0	0	150	56	94	0	0
546	Northeastern State U.	350	0	267	83	0	253	0	253	0	0
547	SUNY, Buffalo State C.	349	0	349	0	0	239	0	239	0	0
548	Southern OR U.	347	0	347	0	0	347	0	347	0	0
549	Keene State C.	346	0	180	0	166	299	0	179	0	120
550	Sonoma State U.	344	9	273	0	62	255	6	249	0	0
551	Dickinson C.	341	0	341	0	0	189	0	189	0	0
552	U. Metropolitana	341	0	96	0	245	233	0	0	0	233
553	Ft. Lewis C.	339	0	339	0	0	330	0	330	0	0
554	Barnard C.	334	0	334	0	0	217	0	217	0	0
555	Weber State U.	334	0	334	0	0	83	0	83	0	0
556	MO U. of Science and Technology	333	0	128	0	205	108	0	107	0	1
557	Indiana U. PA	328	16	290	0	22	184	16	168	0	0
558	Loyola Marymount U.	323	0	279	44	0	110	0	110	0	0
559	Valdosta State U.	323	16	206	101	0	174	4	81	89	0
560	Salish Kootenai C.	321	127	194	0	0	321	127	194	0	0
561	NM Highlands U.	320	0	320	0	0	71	0	71	0	0
562	Skidmore C.	320	0	320	0	0	268	0	268	0	0
563	CUNY, John Jay C. of Criminal Justice	316	0	316	0	0	316	0	316	0	0
564	Vassar C.	309	0	285	24	0	309	0	285	24	0
565	U. Detroit Mercy	308	0	50	218	40	45	0	45	0	0
566	U. AK, Southeast	305	5	300	0	0	170	4	166	0	0
567	U. of Mary Washington	305 i	80 i	137 i	44 i	44 i	305 i	80 i	137 i	44 i	44 i
568	Norfolk State U.	304	0	230	0	74	242	0	171	0	71
569	Emporia State U.	303	0	303	0	0	191	0	191	0	0
570	St. John's U., New York City	302	0	300	0	2	295	0	295	0	0
571	U. Central OK	296	0	221	0	75	213	0	191	0	22
572	U. Houston, Downtown	285	46	239	0	0	285	46	239	0	0
573	Southern U. and A&M C., New Orleans	284	0	284	0	0	254	0	254	0	0

TABLE 24. Total and federally financed higher education R&D expenditures in the life sciences, ranked by life sciences R&D total, by subfield: FY 2011  
(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
574	Wilkes U.	284	0	147	137	0	169	0	36	133	0
575	Southwestern OK State U.	281	0	253	28	0	245	0	244	1	0
576	Northern MI U.	277	0	188	0	89	105	0	105	0	0
577	Butler U.	276 i	3 i	176 i	71 i	26 i	120	0	115	5	0
578	CUNY, Medgar Evers C.	275	0	275	0	0	171	0	171	0	0
579	Furman U.	271	0	271	0	0	139	0	139	0	0
580	U. San Francisco	271	47	75	149	0	80	0	75	5	0
581	CUNY, C. Staten Island	267	0	267	0	0	148	0	148	0	0
582	Susquehanna U.	267	0	267	0	0	186	0	186	0	0
583	Eastern NM U., Portales	266	95	171	0	0	266	95	171	0	0
584	New England School of Acupuncture	266	0	0	0	266	256	0	0	0	256
585	U. MT, Western	263	0	263	0	0	195	0	195	0	0
586	West Liberty U.	260	0	260	0	0	260	0	260	0	0
587	Rider U.	259	11	248	0	0	248	0	248	0	0
588	U. of the Incarnate Word	259	0	152	0	107	111	0	109	0	2
589	Francis Marion U.	258	0	258	0	0	253	0	253	0	0
590	Baldwin-Wallace C.	257	0	170	87	0	50	0	0	50	0
591	U. del Turabo	255	0	255	0	0	251	0	251	0	0
592	U. Richmond	254	0	240	0	14	157	0	157	0	0
593	TX A&M International U.	248	0	229	0	19	214	0	208	0	6
594	Augustana C., Rock Island	241	0	241	0	0	123	0	123	0	0
595	C. Wooster	240	0	230	10	0	23	0	23	0	0
596	U. Sioux Falls	238	0	238	0	0	238	0	238	0	0
597	Simmons C.	236	0	212	0	24	221	0	212	0	9
598	Embry-Riddle Aeronautical U.	234	177	0	0	57	177	177	0	0	0
599	Millsaps C.	231	0	231	0	0	231	0	231	0	0
600	NE Wesleyan U.	229 i	0 i	222 i	6 i	1 i	218	0	218	0	0
601	Concordia C.	228	0	228	0	0	23	0	23	0	0
602	TX A&M U., Commerce	228	149	79	0	0	12	0	12	0	0
603	Evergreen State C.	227	0	227	0	0	210	0	210	0	0
604	St. Michael's C.	227	8	219	0	0	160	8	152	0	0
605	Salisbury U.	226	0	220	6	0	114	0	114	0	0
606	U. Pittsburgh, Bradford	224	0	0	224	0	224	0	0	224	0
607	Grinnell C.	223	0	223	0	0	104	0	104	0	0
608	SUNY, C. Geneseo	223	0	220	0	3	86	0	86	0	0
609	William Paterson U.	223	8	163	51	1	41	0	41	0	0
610	Wilberforce U.	222 i	0 i	0 i	222 i	0 i	222 i	0 i	0 i	222 i	0 i
611	CUNY, Graduate Ctr.	219	0	41	0	178	49	0	41	0	8



TABLE 24. Total and federally financed higher education R&D expenditures in the life sciences, ranked by life sciences R&D total, by subfield: FY 2011  
(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
612	Muhlenberg C.	219	0	219	0	0	193	0	193	0	0
613	Winona State U.	217	3	214	0	0	122	3	119	0	0
614	Truman State U.	216	31	131	0	54	145	10	111	0	24
615	Lake Forest C.	215	0	215	0	0	149	0	149	0	0
616	Eastern Mennonite U.	214	131	0	0	83	210	127	0	0	83
617	Bowie State U.	213	0	213	0	0	213	0	213	0	0
618	U. NC, Asheville	213	114	50	49	0	53	47	6	0	0
619	Wheaton C., Wheaton	213	0	110	0	103	185	0	93	0	92
620	Ouachita Baptist U.	208	0	208	0	0	206	0	206	0	0
621	CO State U., Pueblo	206	117	89	0	0	205	117	88	0	0
622	U. North AL	201 i	55 i	88 i	30 i	28 i	184 i	47 i	83 i	27 i	27 i
623	Mills C.	199	0	199	0	0	149	0	149	0	0
624	Wiley C.	199	199	0	0	0	0	0	0	0	0
625	Niagara U.	197	0	148	0	49	87	0	38	0	49
626	Radford U.	197	0	174	0	23	59	0	59	0	0
627	Northwestern State U. LA	195	154	6	35	0	0	0	0	0	0
628	Palmer C. of Chiropractic, Pt. Orange	195	0	0	0	195	18	0	0	0	18
629	Benedictine U.	194	0	194	0	0	41	0	41	0	0
630	St. John's U., Colledgeville	194	0	124	0	70	0	0	0	0	0
631	U. WI, Whitewater	188 i	0 i	188 i	0 i	0 i	128 i	0 i	128 i	0 i	0 i
632	Colby-Sawyer C.	187	0	187	0	0	187	0	187	0	0
633	McNeese State U.	184	76	104	0	4	4	0	4	0	0
634	Pittsburg State U.	184	0	184	0	0	149	0	149	0	0
635	SUNY, C. of Agriculture and Technology, Morrisville	184	184	0	0	0	0	0	0	0	0
636	Ramapo C. NJ	183	0	183	0	0	63	0	63	0	0
637	Seattle Pacific U.	183	0	183	0	0	0	0	0	0	0
638	U. Puget Sound	182	0	182	0	0	102	0	102	0	0
639	U. MI, Flint	180	35	40	0	105	93	0	0	0	93
640	CA Maritime Academy	179 i	35 i	137 i	7 i	0 i	0	0	0	0	0
641	Lafayette C.	178	0	178	0	0	129	0	129	0	0
642	Armstrong Atlantic State U.	177 i	0 i	0 i	177 i	0 i	177 i	0 i	0 i	177 i	0 i
643	IN U., South Bend	176	0	176	0	0	112	0	112	0	0
644	Union C., Schenectady	175	0	175	0	0	100	0	100	0	0
645	Carthage C.	172	0	92	0	80	0	0	0	0	0
646	OH Northern U.	171	0	14	157	0	128	0	0	128	0
647	Polytechnic Institute of NY U.	171	0	0	0	171	62	0	0	0	62
648	National U. of Health Sciences	170	0	0	0	170	12	0	0	0	12
649	C. of St. Benedict	168	0	112	0	56	0	0	0	0	0
650	Sage Colleges, system office	168	0	19	0	149	19	0	19	0	0

TABLE 24. Total and federally financed higher education R&D expenditures in the life sciences, ranked by life sciences R&D total, by subfield: FY 2011  
(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
651	Arcadia U.	167	0	34	133	0	123	0	0	123	0
652	Juniata C.	167	0	167	0	0	116	0	116	0	0
653	Lycoming C.	167	0	167	0	0	91	0	91	0	0
654	Bryn Athyn C.	166 i	0	166 i	0	0	0	0	0	0	0
655	St. Joseph's C. ME	166 i	166 i	0 i	0 i	0 i	166 i	166 i	0 i	0 i	0 i
656	C. of the Holy Cross	165	0	165	0	0	136	0	136	0	0
657	Bluefield State C.	162	0	162	0	0	162	0	162	0	0
658	Hamline U.	161	0	161	0	0	116	0	116	0	0
659	Salve Regina U.	161	0	161	0	0	161	0	161	0	0
660	PA State U., Altoona	159	104	55	0	0	126	100	26	0	0
661	Jacksonville U.	156	0	155	1	0	0	0	0	0	0
662	U. PR, Ponce	154	0	154	0	0	130	0	130	0	0
663	Bradley U.	153	0	150	0	3	148	0	148	0	0
664	DePaul U.	151	0	151	0	0	118	0	118	0	0
665	Lamar U.	146	0	146	0	0	127	0	127	0	0
666	U. Southern IN	146	0	58	84	4	11	0	7	4	0
667	Dickinson State U.	145 i	34 i	111 i	0 i	0 i	145 i	34 i	111 i	0 i	0 i
668	U. Houston, Clear Lake	145	0	145	0	0	89	0	89	0	0
669	U. PR, Humacao	145	0	145	0	0	145	0	145	0	0
670	SUNY, C. Oneonta	144	0	144	0	0	27	0	27	0	0
671	Sinte Gleska U.	143	106	12	0	25	133	96	12	0	25
672	Earlham C.	142	0	85	57	0	45	0	0	45	0
673	Central CT State U.	141	0	136	0	5	58	0	58	0	0
674	DePauw U.	141	0	129	0	12	79	0	79	0	0
675	ME Maritime Academy	141 i	43 i	59 i	21 i	18 i	106 i	28 i	48 i	15 i	15 i
676	Philander Smith C.	141 i	5 i	120 i	13 i	3 i	140 i	5 i	119 i	13 i	3 i
677	John Carroll U.	140	0	140	0	0	126	0	126	0	0
678	MS C.	140	0	140	0	0	140	0	140	0	0
679	Millersville U. PA	136	0	136	0	0	121	0	121	0	0
680	CUNY, Baruch C.	132	0	130	0	2	114	0	114	0	0
681	CO C.	131	0	131	0	0	20	0	20	0	0
682	Pacific Lutheran U.	131	0	131	0	0	1	0	1	0	0
683	C. of Menominee Nation	130 i	4 i	111 i	12 i	3 i	129 i	4 i	110 i	12 i	3 i
684	U. WI, River Falls	129 i	52 i	77 i	0 i	0 i	10 i	0 i	10 i	0 i	0 i
685	SUNY, C. Oswego	128	0	128	0	0	79	0	79	0	0
686	Jarvis Christian C.	126	0	126	0	0	99	0	99	0	0
687	Mercy C.	126	0	0	126	0	106	0	0	106	0
688	Loyola U., MD	124	0	124	0	0	71	0	71	0	0

TABLE 24. Total and federally financed higher education R&D expenditures in the life sciences, ranked by life sciences R&D total, by subfield: FY 2011  
(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
689	Prescott C.	124	89	35	0	0	124	89	35	0	0
690	Hobart and William Smith Colleges	122	8	114	0	0	114	0	114	0	0
691	Oglala Lakota C.	122 i	11 i	109 i	2 i	0 i	72 i	11 i	59 i	2 i	0 i
692	SUNY, C. Cortland	120	0	115	0	5	111	0	111	0	0
693	Hope C.	119	0	119	0	0	68	0	68	0	0
694	Christian Brothers U.	118 i	6 i	34 i	58 i	20 i	115 i	6 i	33 i	56 i	20 i
695	Rhodes C.	117	0	117	0	0	95	0	95	0	0
696	Shepherd U.	117	0	117	0	0	58	0	58	0	0
697	Centre C.	116	0	116	0	0	91	0	91	0	0
698	Roanoke C.	115	0	113	0	2	23	0	23	0	0
699	Southeast MO State U.	114	51	63	0	0	0	0	0	0	0
700	Unity C.	114	85	24	0	5	98	80	18	0	0
701	U. WI, Parkside	114	0	114	0	0	0	0	0	0	0
702	Wabash C.	112	0	112	0	0	86	0	86	0	0
703	U. WI, Stout	111 i	8 i	103 i	0 i	0 i	95 i	0 i	95 i	0 i	0 i
704	Augsburg C.	109	0	109	0	0	0	0	0	0	0
705	Pitzer C.	107 i	0 i	51 i	56 i	0 i	0	0	0	0	0
706	Sweet Briar C.	104	0	104	0	0	80	0	80	0	0
707	Coastal Carolina U.	102	0	102	0	0	102	0	102	0	0
708	Coker C.	102	0	102	0	0	90	0	90	0	0
709	Southwestern U.	101	4	97	0	0	48	0	48	0	0
710	Dowling C.	100	0	100	0	0	100	0	100	0	0
711	Citadel Military C. SC	99	0	99	0	0	46	0	46	0	0
712	LeTourneau U.	99	0	99	0	0	0	0	0	0	0
713	Berea C.	97	0	97	0	0	97	0	97	0	0
714	U. West GA	97	0	94	0	3	59	0	56	0	3
715	Alderson-Broaddus C.	96 i	5 i	29 i	46 i	16 i	95 i	5 i	28 i	46 i	16 i
716	Valparaiso U.	96	0	86	0	10	70	0	70	0	0
717	Bard C.	91	0	91	0	0	91	0	91	0	0
718	U. South FL, Polytechnic	91	0	0	91	0	0	0	0	0	0
719	Luther C.	90	20	64	6	0	31	2	29	0	0
720	Southeastern OK State U.	90	0	90	0	0	64	0	64	0	0
721	Austin C.	84 i	2 i	32 i	42 i	8 i	16 i	1 i	5 i	8 i	2 i
722	Bloomsburg U. PA	84	0	0	0	84	0	0	0	0	0
723	La Sierra U.	82	0	82	0	0	0	0	0	0	0
724	Messiah C.	82 i	1 i	33 i	40 i	8 i	0	0	0	0	0
725	U.S. Military Academy	82	0	82	0	0	82	0	82	0	0
726	Ursinus C.	82	0	82	0	0	74	0	74	0	0



TABLE 24. Total and federally financed higher education R&D expenditures in the life sciences, ranked by life sciences R&D total, by subfield: FY 2011  
(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
766	C. NJ	39	0	37	1	1	1	0	1	0	0
767	Purdue U., North Central	39	0	0	0	39	0	0	0	0	0
768	Slippery Rock U. PA	39	0	0	0	39	0	0	0	0	0
769	SUNY, New Paltz	39	0	39	0	0	19	0	19	0	0
770	CA U. PA	38	0	38	0	0	19	0	19	0	0
771	U. Central MO	37	0	21	0	16	10	0	10	0	0
772	PA State U., Berks	36	36	0	0	0	0	0	0	0	0
773	U. HI, West O'ahu	36 i	5 i	27 i	4 i	0 i	25 i	2 i	19 i	4 i	0 i
774	U. MN, Morris	36	0	36	0	0	35	0	35	0	0
775	Washington and Lee U.	36	0	36	0	0	23	0	23	0	0
776	Western OR U.	34	0	34	0	0	34	0	34	0	0
777	Canisius C.	33	0	33	0	0	26	0	26	0	0
778	Eckerd C.	31	0	31	0	0	31	0	31	0	0
779	Ferrum C.	31	0	31	0	0	31	0	31	0	0
780	Shippensburg U. PA	31	0	31	0	0	0	0	0	0	0
781	Monmouth U.	30	0	30	0	0	17	0	17	0	0
782	OR Institute of Technology	30	0	30	0	0	30	0	30	0	0
783	Sewanee: U. of the South	29	7	22	0	0	4	4	0	0	0
784	U. Bridgeport	28	0	0	28	0	0	0	0	0	0
785	Eastern CT State U.	26	0	20	6	0	0	0	0	0	0
786	Dine C.	24 i	2 i	18 i	4 i	0 i	24 i	2 i	18 i	4 i	0 i
787	Linfield C.	24 i	0 i	22 i	2 i	0 i	5 i	0 i	4 i	1 i	0 i
788	Lawrence U.	21	0	21	0	0	21	0	21	0	0
789	Columbus State U.	20	0	20	0	0	5	0	5	0	0
790	SUNY, C. Potsdam	18	0	18	0	0	0	0	0	0	0
791	Suffolk U.	18	0	9	0	9	6	0	0	0	6
792	Concord U.	17	0	17	0	0	0	0	0	0	0
793	Taylor U.	17	13	4	0	0	0	0	0	0	0
794	Widener U., Chester	17	0	17	0	0	17	0	17	0	0
795	Harding U.	16	0	0	16	0	0	0	0	0	0
796	Southern AR U.	16	0	9	7	0	2	0	2	0	0
797	U. WI, Superior	16 i	0 i	16 i	0 i	0 i	10 i	0 i	10 i	0 i	0 i
798	Gannon U.	15	0	14	1	0	0	0	0	0	0
799	U. Redlands	15	0	15	0	0	15	0	15	0	0
800	Kutztown U. PA	12	0	12	0	0	1	0	1	0	0
801	Coe C.	11	0	11	0	0	0	0	0	0	0
802	Kansas City U. of Medicine and Biosciences	11	0	6	5	0	11	0	6	5	0
803	Washburn U.	11	0	11	0	0	0	0	0	0	0

TABLE 24. Total and federally financed higher education R&D expenditures in the life sciences, ranked by life sciences R&D total, by subfield: FY 2011  
(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
804	Rowan U.	10	0	10	0	0	0	0	0	0	0
805	U. Dallas	10	0	10	0	0	0	0	0	0	0
806	Wittenberg U.	10	0	0	0	10	0	0	0	0	0
807	Allegheny C.	8	0	8	0	0	0	0	0	0	0
808	IN U., New Albany	8	0	0	0	8	0	0	0	0	0
809	Rollins C.	8	0	8	0	0	0	0	0	0	0
810	Edison State C.	7 i	1 i	5 i	1 i	0 i	7 i	1 i	5 i	1 i	0 i
811	PA State U., Harrisburg	7	0	7	0	0	0	0	0	0	0
812	Southern Polytechnic State U.	7	0	7	0	0	7	0	7	0	0
813	Abilene Christian U.	6	0	6	0	0	6	0	6	0	0
814	CA State U., Channel Islands	6	0	6	0	0	0	0	0	0	0
815	Hampshire C.	5	5	0	0	0	4	4	0	0	0
816	St. Mary's C. MD	4	0	4	0	0	0	0	0	0	0
817	U. South FL, Sarasota-Manatee	4	0	0	0	4	0	0	0	0	0
818	CUNY, New York City C. of Technology	3	0	1	0	2	0	0	0	0	0
819	Eastern OR U.	3	1	2	0	0	1	0	1	0	0
820	Bridgewater State C.	2	0	0	0	2	0	0	0	0	0
821	RI School of Design	2	0	0	0	2	0	0	0	0	0
822	MS Valley State U.	1	0	0	0	1	1	0	0	0	1
823	New School	1	0	1	0	0	0	0	0	0	0

i = imputed.

nec = not elsewhere classified.

<sup>a</sup> Johns Hopkins University includes Applied Physics Laboratory, with \$18,237 thousand in total and \$18,200 thousand in federally financed R&D expenditures in life sciences in FY 2011.

NOTES: Institutions reporting zero expenditures in ranked total for FY 2011 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 multi-campus universities; some are part of state university systems. For a complete listing of campuses that belong to a larger university or system and their aggregate R&D expenditures, see table A-3.

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, Higher Education Research and Development Survey, FY 2011.