

INFOBRIEF

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FEDERAL R&D OBLIGATIONS TO UNIVERSITIES AND COLLEGES TOTALED \$25 BILLION IN FY 2007

by Richard J. Bennof¹

Due to significant errors in data reported by the Department of Defense (DOD) and the National Institutes of Health (NIH), this report has been revised. Correcting for these errors reduced the total R&D obligations for George Washington University by \$83.4 million, revising its ranking from 51st to 92nd and moved \$46.2 million in R&D obligations from the University of Central Florida to the University of South Florida. University of South Florida's ranking has been revised from 112th to 70th, and University of Central Florida's ranking has been revised from 86th to 130th. See table 1 for revised rankings of institutions affected by these corrections. Data for 2007 and prior years may be subject to further review and revisions.

The revised statistics from the National Science Foundation (NSF) Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions show that federal agencies obligated \$25.3 billion to academic institutions for science and engineering (S&E) research and development (R&D) programs in FY 2007. This slight current-dollar decrease (0.1%), though, resulted in a 2.7% decrease in constant 2000 dollars from the prior-year level. For all FY 2007 R&D recipients, the Department of Health and Human Services (HHS) supplied 64.2% of the total; NSF's proportion was 13.0%; and the Department of Defense's support was 11.8%.

In FY 2007, federal R&D obligations to the top 100 institutions totaled \$20.9 billion, or 82.6%, of the total. In FY 2006, the top 100 academic R&D institutions re-

ceived \$20.7 billion, or a slightly smaller 81.6% share of the R&D total.

Of those academic institutions that were in the leading 100 of all academic R&D recipients in FY 2007 (table 1), fully 96 were among the top 100 recipients in FY 2006. The four universities ranked in the FY 2007 top 100 but not ranked in the top 100 for FY 2006 were Virginia Polytechnic Institute and State University, Virginia Commonwealth University, Utah State University, and the University of Georgia. The four academic institutions that fell out of the FY 2007 top 100 were New Mexico State University all campuses, Tulane University, University Corporation for Atmospheric Research, and the University of Medicine and Dentistry of New Jersey.

The full set of detailed statistical tables on the FY 2007 Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions will be available online at <http://www.nsf.gov/statistics/fedsupport/>. Individual tables from the 2007 survey may be available in advance of the full report. For more information, contact the author.

Note

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Information and data from the Division of Science Resources Statistics are available on the web at <http://www.nsf.gov/statistics/>. To request a printed copy of this report go to <http://www.nsf.gov/publications/orderpub.jsp> or call (703) 292-PUBS (7827). For NSF's Telephonic Device for the Deaf, dial toll-free (800) 281-8749 or (703) 292-5090.

TABLE 1. Federal obligations for science and engineering research and development to the 100 universities and colleges receiving the largest amounts, ranked by total amount received, by agency: FY 2007

(Dollars in thousands)

Rank ^a	Institution	All agencies	DOD	DOE	HHS	NASA	NSF	USDA	Other
	All institutions	25,335,978	2,982,579	812,131	16,259,892	552,963	3,286,003	732,196	710,214
1	Johns Hopkins U., The	1,186,768	511,254	3,086	589,278	37,750	30,247	705	14,448
2	U. WA	612,498	58,301	17,132	430,538	7,037	67,803	3,068	28,619
3	U. MI all campuses	501,837	32,926	13,911	382,274	9,364	52,008	822	10,532
4	U. PA	498,549	31,122	8,414	428,397	1,257	23,616	1,352	4,391
5	U. CA, Los Angeles	480,679	26,661	16,810	368,130	10,220	57,576	1	1,281
6	Duke U.	470,842	30,239	9,616	392,809	1,011	30,787	521	5,859
7	U. CA, San Diego	433,801	36,427	9,739	296,471	4,410	85,508	47	1,199
8	U. CA, San Francisco	433,388	2,828	325	427,895	556	1,664	60	60
9	Harvard U.	429,693	14,471	4,461	368,186	6,975	31,978	0	3,622
10	U. Pittsburgh all campuses	426,764	22,773	3,069	383,325	184	16,294	27	1,092
11	Columbia U. in the City of New York	426,399	13,530	9,294	322,870	7,365	57,969	474	14,897
12	Stanford U.	425,931	40,035	15,258	283,263	32,143	51,270	393	3,569
13	Washington U. St. Louis	407,809	6,157	3,628	361,199	4,737	26,515	526	5,047
14	Yale U.	387,298	6,925	10,026	347,107	1,108	21,144	665	323
15	MA Institute of Technology	381,753	53,044	57,069	200,070	11,662	54,765	0	5,143
16	U. MN all campuses	371,293	12,837	9,322	256,903	3,333	54,434	23,850	10,614
17	U. WI Madison	369,310	10,710	35,223	229,521	5,118	69,517	15,830	3,391
18	PA State U. all campuses	355,300	172,114	11,856	86,925	7,573	49,685	18,974	8,173
19	U. NC Chapel Hill	353,478	6,871	2,759	310,186	307	21,277	810	11,268
20	Vanderbilt U.	331,244	18,686	2,837	288,566	1,603	11,480	0	8,072
21	U. CO all campuses	330,323	16,714	9,205	220,348	28,221	42,930	1,100	11,805
22	Cornell U. all campuses	326,385	14,618	5,181	166,077	3,847	115,260	19,446	1,956
23	Case Western Reserve U.	278,897	4,316	698	259,870	1,953	11,860	0	200
24	U. Southern CA	262,180	47,505	2,627	166,434	1,744	31,583	0	12,287
25	U. Rochester	255,201	14,830	51,081	172,392	389	8,449	0	8,060
26	Northwestern U.	254,969	14,312	7,715	193,891	492	36,746	0	1,813
27	U. Chicago	248,571	6,478	3,672	191,165	3,837	41,718	1,302	399
28	Emory U.	247,941	2,608	1,665	239,731	0	3,284	653	0
29	U. CA, Davis	243,149	11,312	9,032	155,631	2,259	34,444	27,923	2,548
30	U. AL Birmingham, The	235,077	19,455	310	209,697	1,176	2,808	0	1,631
31	Baylor C. of Medicine	227,876	4,059	0	209,580	50	1,805	12,362	20
32	U. CA, Irvine	219,585	7,913	7,411	169,988	4,574	28,724	499	476
33	OH State U. all campuses	217,570	20,886	10,573	118,943	848	34,764	17,664	13,892
34	U. CA, Berkeley	214,549	17,510	8,364	94,646	10,751	75,275	2,185	5,818
35	U. AZ	212,504	8,185	3,102	101,008	49,908	37,608	7,720	4,973
36	U. IL Urbana-Champaign	210,499	31,176	13,348	61,522	1,489	78,250	23,235	1,479
37	Boston U.	208,680	14,612	4,637	162,308	4,479	20,826	94	1,724
38	U. IA	208,394	10,087	2,105	182,429	1,713	8,029	15	4,016
39	Scripps Research Institute, The	199,031	1,611	0	196,155	466	799	0	0
40	U. VA all campuses	198,978	14,672	4,022	147,402	2,688	21,595	0	8,599
41	U. TX Southwestern Medical Ctr. Dallas	191,047	7,321	504	180,483	740	653	0	1,346
42	OR Health & Science U.	189,660	3,931	221	176,619	300	6,821	600	1,168
43	Mt. Sinai School of Medicine	187,319	812	0	185,927	0	160	0	420
44	U. FL	183,795	20,304	8,337	101,522	5,783	28,382	10,677	8,790
45	NY U.	178,245	5,284	1,730	149,801	204	20,710	0	516

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46	GA Institute of Technology all campuses	174,486	98,538	5,510	18,747	3,978	42,706	946	4,061
47	U. IL Chicago	172,492	15,019	3,456	134,906	1,230	15,115	0	2,766
48	U. TX M. D. Anderson Cancer Ctr.	168,188	15,205	0	152,810	173	0	0	0
49	IN U. all campuses	166,980	2,643	4,699	132,848	2,081	23,444	50	1,215
50	U. UT	164,684	2,688	4,930	136,715	799	17,758	125	1,669
51	CA Institute of Technology	155,763	23,747	12,438	50,379	0	67,685	0	1,514
52	U. MD Baltimore	154,340	4,841	1,617	145,016	1,138	307	691	730
53	U. TX Austin	153,631	37,070	12,810	45,776	3,036	49,778	1,131	4,030
54	U. Miami	141,255	10,775	422	107,672	1,660	12,770	27	7,929
55	U. MD College Park	137,420	1,471	7,845	24,006	29,140	37,693	11,350	25,915
56	MI State U.	135,080	5,986	9,844	38,667	1,385	53,689	19,818	5,691
57	Rutgers, The State U. NJ all campuses	131,147	10,283	5,141	62,329	2,108	36,556	10,438	4,292
58	Yeshiva U.	128,547	0	0	128,152	0	395	0	0
59	Purdue U. all campuses	125,622	10,234	10,515	43,214	2,502	39,003	16,577	3,577
60	U. MA Worcester	121,898	2,591	0	117,652	0	1,655	0	0
61	U. KY all campuses	119,892	2,474	1,977	90,284	481	10,671	13,530	475
62	U. Cincinnati all campuses	117,316	4,532	2,345	98,829	811	8,574	333	1,892
63	Carnegie Mellon U.	114,737	41,982	4,632	15,421	2,612	46,560	21	3,509
64	Wake Forest U.	113,251	2,034	0	109,738	0	1,379	0	100
65	U. NM all campuses	110,620	23,755	5,594	64,515	1,896	14,199	180	481
66	Princeton U.	108,522	12,351	9,269	37,729	2,571	42,155	0	4,447
67	U. KS all campuses	107,621	5,055	1,279	74,245	0	18,192	88	8,762
68	U. CT all campuses	102,501	3,285	2,007	73,236	666	14,016	4,828	4,463
69	U. TX Health Science Ctr. San Antonio	102,042	6,290	0	95,565	0	137	50	0
70	U. South FL	101,953	22,097	634	66,342	466	8,482	0	3,932
71	U. TX Medical Branch	100,440	1,307	45	97,761	678	136	0	513
72	Dartmouth C.	99,116	5,097	863	80,628	1,678	8,420	799	1,631
73	U. TX Health Science Ctr. Houston	98,144	10,867	145	87,015	15	102	0	0
74	U. CA, Santa Barbara	97,962	29,169	5,500	15,236	2,426	42,035	353	3,243
75	CO State U.	97,690	3,184	5,458	40,269	6,956	24,383	10,374	7,066
76	Medical C. WI	96,972	488	0	96,034	0	0	0	450
77	U. HI Manoa	93,157	372	400	50,117	253	28,444	2,696	10,875
78	Georgetown U.	93,127	21,331	250	67,384	283	3,116	0	763
79	Brown U.	92,839	10,743	2,364	57,240	3,531	18,526	252	183
80	VA Polytechnic Institute and State U.	91,626	18,605	5,167	15,379	1,806	25,629	13,831	11,209
81	AZ State U. all campuses	91,094	11,877	3,014	34,889	9,236	27,168	1,293	3,617
82	Wayne State U.	90,738	4,436	1,044	79,998	0	5,110	0	150
83	Medical U. SC	89,358	2,674	0	86,142	0	242	0	300
84	LA State U. all campuses	89,300	6,911	1,937	50,598	973	15,173	8,543	5,165
85	SUNY Stony Brook all campuses	89,070	5,528	6,469	55,669	1,238	19,720	30	416
86	UT State U.	84,997	61,655	487	5,592	1,207	4,640	8,843	2,573
87	NC State U.	83,400	9,955	4,772	14,493	935	22,906	24,972	5,367
88	U. MO-Columbia	81,760	5,360	1,966	42,788	1,550	13,694	15,203	1,199
89	FL State U.	79,677	15,513	4,686	11,676	1,468	44,299	262	1,773

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90	Tufts U.	79,336	3,413	1,571	62,569	201	4,950	6,448	184
91	U. GA	78,866	2,517	2,435	35,395	0	18,119	16,877	3,523
92	George Washington U.	77,659 r	2,628 r	1,043	67,866	609	3,394	0	2,119
93	VA Commonwealth U.	77,446	3,787	191	69,124	100	2,967	0	1,277
94	U. VT	77,296	204	259	59,768	172	5,413	8,187	3,293
95	OR State U.	75,229	4,413	4,326	13,764	2,351	26,316	12,444	11,615
96	U. MA Amherst	75,039	8,789	5,734	18,678	1,367	31,924	5,984	2,563
97	U. HI system office	74,914	54,409	2,449	0	10,029	0	172	7,855
98	U. OK all campuses	74,845	4,389	3,350	51,571	741	10,266	743	3,785
99	IA State U.	74,088	12,267	3,322	17,542	844	15,554	21,686	2,873
100	Rockefeller U.	73,667	0	585	72,692	0	390	0	0
All other institutions		4,412,079 r	867,323 r	235,960 r	1,769,740 r	161,959 r	791,028 r	298,421	287,648 r

r = data significantly revised; replaces data published March 2009.

DOD = Department of Defense; DOE = Department of Energy; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation; USDA = U.S. Department of Agriculture.

^a Institutions ranked 51 and below have been revised as a result of corrections made to U. South FL and George Washington U. FY 2007 federal R&D totals.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Science and Engineering Support to Universities, Colleges, and Nonprofit Institutions, FY 2007.

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