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Title

Update on Federal Research & Development Expenditures

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THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

A recent report in *The Chronicle of Higher Education* about the top 100 institutions for federal research-and-development expenditures in 1998 and 1999 shows seven UC campuses among those universities. Please note that, with the exception of Johns Hopkins University, this list does *not* include expenditures for federally sponsored laboratories such as the UC-managed laboratories at Berkeley, Livermore, and Los Alamos. In the case of Johns Hopkins, the total includes expenditures for its federally sponsored Applied Physics Laboratory.

UC's ranking is even better than it first appears. If one looks at the top 22 institutions, all 22, with the exception of MIT, Cal Tech, and UC Berkeley, have medical schools that account for a major part of their funding. If the federal research expenditures for UC Berkeley and UC San Francisco were combined to create comparability with the 19 institutions that have medical schools, together these two campuses would lead the list (discounting Johns Hopkins University, over half of whose funding is attributable to its Applied Physics Laboratory).

Systemwide, the University of California, including the national laboratories, continues its impressive performance, with over \$3.70 billion federal R&D expenditures in 1998, and over \$3.86 billion in 1999. By way of comparison, all of the Big Ten schools combined were at \$1.75 billion in 1998 and \$1.86 billion in 1999, and the total for all Ivy League universities was \$1.35 billion in 1998 and \$1.45 billion in 1999. UC's total for those years is greater than the Big Ten and Ivy League schools combined. I am enclosing for your information the table from *The Chronicle* showing the top 100 institutions, and a table showing UC in comparison with the Big Ten and Ivy League universities.

Yours truly,

Richard C. Atkinson President

Enclosures

cc: Chancellors

From THE CHRONICLE OF HIGHER EDUCATION Volume XLVII, Number 27, March 16, 2001

Top Institutions in Federal Research-and-Development Expenditures, 1998 and 1999

1999		1999	1998	1999 rank
	Johns Hopkins U 1	\$770,580,000	\$752,983,000	56. Michagan Stati
	U of Washington	368,112,000	342,291,000	57. Yeshiva U
	Stanfort U		342,426,000	58. U of Rinois, O
	U of Michigan	A STATE OF THE PARTY OF THE PAR	311,450,000	59. State U of Nev
	Massachusetts Inst of Sech 2		310,741,000	50. U of New Mox
	U of California, San Diego		263,103,000	the American County
	U of Pennsylvania		247,914,000	51. Mount Sine S
	Harverd U	266,019,000	251,876,000	62. U of Maryland.
	U of California, Los Argeles	251,999,000	234,005,000	63. Georgetown L 64. Oreston State
	U of Wisconsin, Madison	249,961,000	240,513,000	
				65. Oregon Health 66. Loursana Stat
	U of Colorado		228,342,000	67. Rutgers U.
	Columbia U		229,723,000	66. U of California
13.	Comeil U 3	234,792,000	204,187,000	69. Viginia Tech .
	U of California, San Francisco		219,630,000	70. U of California
	Washington U (Mo)		187,173,000	
	Yale U		205,046,000	71. Princeton U.F.
	U of Minnesota		204,741,000	72. U of Texas Her
	U of Southern California		190,547,000	Houston
	Pennsylvania State U		186,274,000	73. U uf Tennesse
20.	California Inst. of Technology 2	195,303,000	177,748,000	74. U of Texas MD
- 24	U of Pittsburgh	194,618,000	168,511,000	Cancer Cente
99	U of California, Berkeley 2		171,747,000	75. North Carolina
	Duke U		172,532,000	76. U of Kentucky
	U of Minois, Urbana-Champaigh		171,250,000	77. Tutts U
	U of North Carolina, Chapel Hill		171,505,000	78, U of Medicine
	U of Arizone		161,999,000	of New Jersey
	U of Alabama, Birmingham,		166,830,000	79. Wake Forest L
	U of Texas, Austin		165,082,000	80. Woods Hole 0
	Texas A&M U		144,938,000	81. Wayne State I
	U of Maryland, College Park		129,198,000	82. U of Oklahom
				B3. U of Kansas
	Baylar College of Medicine		110,610,000	84. U of Texas Ho
	Case Western Reserve U		132,274,000	San Antonio
	U of Chicago 2		125,982,000	85. New Mexico S
	Onio State U		124,177,000	B6. Thomas Jeffer
	U of Rochester 2		130,773,000	87. U of Georgia .
.36.	Emory U	132,816,000	118,045,000	88. Florida State
	Northwestern U		127,911,000	89. U of Massach
	U of California, Davis		114,018,000	90. U of Connects
	Boston U		104,428,000	91. U of Texas Me
40.	U of lows	122,638,000	115,312,000	Galveston
41	U of Florida	122,296,000	106,510,000	92. Utah State U
	Vanderbilt U		106,325,000	93, kowa State U
	Georgia Instituta of Technology		113,643,000	94. Argona State
	U of Utah		100,722,000	95. U of Missouri.
	New York U		101,426,000	96. Tutane U
	U of Virginia		99,173,000	97. George Wash
	Indiana U		95,840,000	98. U of South Co
	U of Texas Southwestern			99. Virginia Comn
	Medical Center, Dollars	101,996,000	97,200,000	100. Medical Colle
40.	U of Miams		101,492,000	A STATE OF THE PARTY OF THE PARTY.
	U of Cincinnati		90,307,000	Total, top 100 inst
			92,844,000	Total, all institutio
	Purdue U	95,708,000	91,531,000	Note: Becourse of rounds
	State U of New York, Stony Brook			1 July ou Hopkers III recta
	U of Hawasi, Manaa		86,886,000 80,451,000	and-development expe
	Colorado State U		95,046,000	* Excludes research and and-development sent

999 srii.	1999	1996
6. Michagan State U	\$89,835,000	\$81,146,000
7. Yeshiva U	89,680,000	80,000,000
8. U of Rinois, Chicago	86,406,000	73,797,000
VS. State U of New York, Buffalo	85,490,000	76,037,000
SD. U of New Monco	84,976,000	84,365,000
Mount Sine Sch of Medicine	84,624,000	69,995,000
2. U of Maryland, Baltimore	84,516,000	78.037.000
3. Georgetown U	83,972,000	84.801.000
4. Oregon State U	81,649,000	82.416.000
5. Oregon Health Sciences U	76.033.000	71.054.000
6. Lousiana State U System	75,831,000	67.090,000
	75,664,000	69.829.000
7. Rutgers U		66.602.000
5. U of California, Invine	75,505,000	
8. Virginia Tech	75,386,000	82,734,000
). U of California, Santa Barbera	74,026,000	68,680,000
Princeton U.F	72,974,000	69,005,000
Houston	71,288,000	70,446,000
3. U of Tennessee System	70,187,000	69,793,000
U of Texas MD Anderson	10,201,000	11127 2000 20
Cancer Center	69,413,000	63,074,000
5. North Carolina State U	66,310,000	79,533,000
5. U of Kentucky	66,184,000	60,760,000
	63,618,000	61,167,000
I, Tufts U	03,030,000	52,307,500
of New Jersey	61,730,000	59,828,000
k, Wake Forest U	60,293,000	56,705,000
Woods Hole Oceanographic Inst	59,534,000	64,765,000
L. Wayne State U	57,610,000	57,646,000
E. U of Oklahoma	57,589,000	54,451,000
3. U of Kansas	57,272,000	50,567,000
4. Li of Texas Health Science Center,		
San Aritonio	56,904,000	51,954,000
5. New Mosco State U	56,875,000	56,587,000
6. Thomas Jefferson U	56,369,000	51,728,000
7. U of Georgia	56,080,000	54,712,000
8. Florida State U	55,666,000	50,451,000
U of Massachusetts, Wordester	55,516,000	53,766,000
O. U of Connecticut	55,496,000	53.189,000
1. U of Texas Medical Branch,		
Galveston	55,061,000	48,588,000
2. Utuh State U	54,433,000	54,903,000
G. Icros State U.F.	54,179,000	51,196,000
AL, Argono State U	53.905.000	41,359,000
5. U of Missoun, Columbia	53,875,000	45,448,000
	50,779,000	52,924,000
96, Tulane U		45,072,000
97. George Washington U	49,944,000	42,586,000
98. U of South Carolina	48,490,000	
99. Virginia Commonwealth U	48,175,000	48,167,000
00, Medical College of Wisconsin	47,067,000	43,831,000
stal, top 100 institutions \$1:	3,247,707,000	\$12,418,015,000

Note: Because of rounding, details may not add up to total.

I Julyse Highers III includes Applied Physics Laboratory, with \$419-million in federally financial research

and development expensions for 1999, and \$425 million for 1998.

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TOP INSTITUTIONS IN FEDERAL RESEARCH-AND-DEVELOPMENT UNIVERSITIES AND ADMINISTERED NATIONAL LABORATORIES EXPENDITURES, 1998 AND 1999

INSTITUTIONS		1999		1998
University of California (1)	\$	3,862,709,000	s	3,700,029,000
Big Ten				
U. of Illinois	S	185,767,000	s	171,250,000
Indiana University		102,262,000		95,840,000
U. of Iowa		122,638,000		115,312,000
U. of Michigan		334,226,000		311,450,000
Michigan State		89,835,000		81,146,000
U. of Minnesota		207,761,000		204,741,000
Northwestern		132,647,000		127,911,000
Ohio State		135,216,000		124,177,000
Penn. State		199,105,000		186,274,000
Purdue		95,708,000		92,844,000
U. of Wisconsin		249,961,000		240,513,000
	S	1,855,126,000	\$	1,751,458,000
Ivy League				
Brown	\$	45,276,000	S	44,412,000
Yale		213,404,000		205,046,000
Cornell		234,792,000		204,187,000
U. of Penn.		279,013,000		247,914,000
Harvard		266,019,000		251,876,000
Dartmouth		46,741,000		45,053,000
Columbia		240,158,000		229,723,000
Princeton (2)		125,001,000		118,704,000
	\$	1,450,404,000	\$	1,346,915,000

 $Source: NSF\ Table\ Federally\ Financed\ R\&D\ Expenditures,\ Universities\ and\ Colleges:\ Fiscal\ Years\ 1991-1999;\ and\ Total\ and\ Federally\ Financed\ R\&D\ Expenditures\ at\ University-Administered$ Federally Funded Research and Development Centers: Fiscal Years 1996-1999.

 $^{^{(1)}}$ Includes the three UC-managed DOE laboratories. $^{(2)}$ Includes Princeton's Plasma Physics Lab, with \$52.027 million of federally financed R&D expenditures in 1999 and \$49.699 million in 1998.