

## Association of Chairs of Departments of Physiology 2003 Survey Results

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The Association of Chairs of Departments of Physiology annual survey was mailed to 180 physiology departments throughout the US, Canada and Puerto Rico. A total of 81 surveys were returned, for a response rate of 46%. This rate is similar to that of the 2002 survey (45%). Of the 81 surveys returned, there were 42 public and 28 private medical schools, in addition to 11 other institutions.

The data provide the reader with general trends of faculty, salary, overall departmental budgets, and space available for research. Faculty salary information (Tables 1-3) is derived from the total compensation column, which includes any supplementary income but not fringe benefits. In addition to salary information, further data are provided on tenure, gender, ethnicity, and salary by number of years in rank.

The statistics are based on 81 responses (three from Canada) **but** the results of salary, tenure, gender, ethnicity, and number of years in rank are **calculated on the num-**

**ber of respondents providing this information.** However, two institutions did not provide any faculty salary information. In addition, results presented reflect responses from those institutions reporting, which may vary on a year-to-year basis.

Student/trainee information is provided by ethnicity for predoctoral and postdoctoral categories, as well as predoctoral trainee completions, stipends provided, and type of support.

Departmental budget information (Table 4) shows type of support, faculty salaries derived from grants along with negotiated indirect costs to the departments. Table 5 ranks responding Institutions according to their total dollars, research grant dollars, and departmental space. Space averages are presented as research, administration, teaching and other. ❖

**Table 1. Faculty Salaries for Fiscal Year 2003**

	Median	% Change From Previous Survey	Minimum	Maximum	No. of Faculty
<b>Chairperson</b>					
All Schools	\$180,600	5.13	\$75,000	\$492,960	73
Medical Public	185,190	3.19	75,000	492,960	39
Medical Private	201,800	11.16	123,036	339,900	20
Other	164,450	9.59	120,000	221,450	10
Female	149,464	0.25	78,147	260,169	4
<b>Professor</b>					
All Schools	119,762	-2.65	40,562	279,719	585
Medical Public	117,308	-8.31	40,562	279,719	265
Medical Private	123,000	1.67	41,616	268,834	153
Other	112,575	-5.22	43,031	209,069	76
Female	116,153	-2.62	54,316	203,831	91
<b>Associate Professor</b>					
All Schools	86,567	2.83	36,453	156,934	347
Medical Public	86,099	5.39	48,000	156,934	138
Medical Private	84,489	3.92	49,212	147,995	82
Other	86,608	-0.97	36,453	109,827	50
Female	91,404	3.86	44,581	153,104	77
<b>Assistant Professor</b>					
All Schools	71,400	2.53	32,000	134,521	307
Medical Public	69,999	0.46	32,000	105,840	90
Medical Private	75,000	6.22	38,480	134,521	81
Other	72,000	4.90	44,175	110,553	40
Female	70,000	0.46	33,475	115,000	96
<b>Instructor</b>					
All Schools	46,549	-1.77	30,769	69,999	63
Medical Public	43,634	8.38	30,769	69,999	18
Medical Private	53,764	9.13	31,450	66,950	16
Other	43,086	-33.38	38,172	48,000	2
Female	46,304	-6.30	32,000	69,095	27

**Table 2. Average Salary by Number of Years in Rank**

	Years					
	0-5	6-10	11-15	16-20	21-25	26+
<b>Chairpersons</b>						
Salary	\$192,971	\$173,150	\$195,127	\$187,419	\$232,026	\$158,079
# of Faculty	28	13	15	11	2	3
<b>Professors</b>						
Salary	117,072	123,050	119,970	129,841	116,067	129,230
# of Faculty	157	119	109	95	42	41
<b>Assoc. Professors</b>						
Salary	89,948	81,818	86,725	93,848	90,737	83,348
# of Faculty	180	78	42	10	14	12
<b>Asst. Professors</b>						
Salary	70,406	71,074	58,609	63,439	0	25,437
# of Faculty	244	42	10	2	0	1
<b>Instructors</b>						
Salary	46,766	43,552	47,909	0	0	0
#of Faculty	57	4	1	0	0	0

Space Controlled by Department	
Research	17,783
Administration	3,012
Teaching	2,681
Other	2,757
<b>Total space</b>	<b>23,880</b>

**Student/Trainee Summary**

*Total number of US citizen / resident alien pre- and postdoctoral students / trainees*

Predocctoral male	370	Postdocctoral male	176
Predocctoral female	367	Postdocctoral female	133

*Total number of foreign pre- and postdoctoral students / trainees*

Predocctoral male	245	Postdocctoral male	488
Predocctoral female	250	Postdocctoral female	287

**Ethnicity of each pre- and postdoctoral student/trainee**

	Predocctoral		Postdocctoral	
	Male	Female	Male	Female
American Indian/ Alaskan Native	5	4	3	2
Asian/Pacific Islander	33	38	21	15
Black, not Hispanic origin	18	35	10	8
Hispanic	11	11	8	9
White, not of Hispanic origin	303	279	134	99

**Number of foreign pre- and postdoctoral students/trainees**

	Predocctoral		Postdocctoral	
	Male	Female	Male	Female
African	3	3	10	3
Asian/Pacific Islander	136	154	311	131
Central and South American	13	9	18	21
European, Canadian, Australian	49	59	92	89
Middle Eastern	27	16	30	23
Other	7	5	20	12

**Number of foreign pre- or postdoctoral trainees whose primary source of support is:**

	Predocctoral	Postdocctoral
Institutional	159	39
Research grants	256	575
Private foundations	9	38
Home (foreign) governments	8	7
Other	14	15

**Foreign National predocctoral trainee completions:**

	Male	Female
African	1	0
Asian or Pacific Islander	20	24
Central or South American	2	1
European, Canadian, Australian	19	9
Middle Eastern	3	2
Other	1	0

**Predocctoral Trainee Completions**

Number of trainees who have completed doctoral work during the year ended June 30, 2003

<i>Predocctoral male</i>	119	<i>Predocctoral female</i>	117
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## Type of Institution (n = 81)

Support		Teaching Interactions			
Public	53	MD/DO	77	Pharmacy	23
Private	28	DDS	26	Other biomedical	50
		DVM	6	Life science	37
		Allied health	41	Bioengineering	29
				Other	17

## Tenure status of faculty by degree

	Tenured	Not Tenured	Not Eligible	Total
MD	32	13	2	47
PhD	863	337	46	1,246
Both	58	17	1	76
Other	13	20	1	34

## Faculty Summary (n = 1,390)

	Male	Female	Total
American Indian/ Alaskan Native	6	2	8
Asian/Pacific Islander	137	37	174
Black, not Hispanic origin	15	6	21
Hispanic	29	13	42
White, not of Hispanic origin	847	225	1,072
Foreign national	55	18	73
Total	1,089	301	1,390

## US citizen/resident alien predoctoral trainee completions:

	Male	Female
American Indian/Alaskan Native	2	2
Asian or Pacific Islander	3	10
Black, not of Hispanic origin	3	10
Hispanic	4	2
White, not of Hispanic origin	61	57

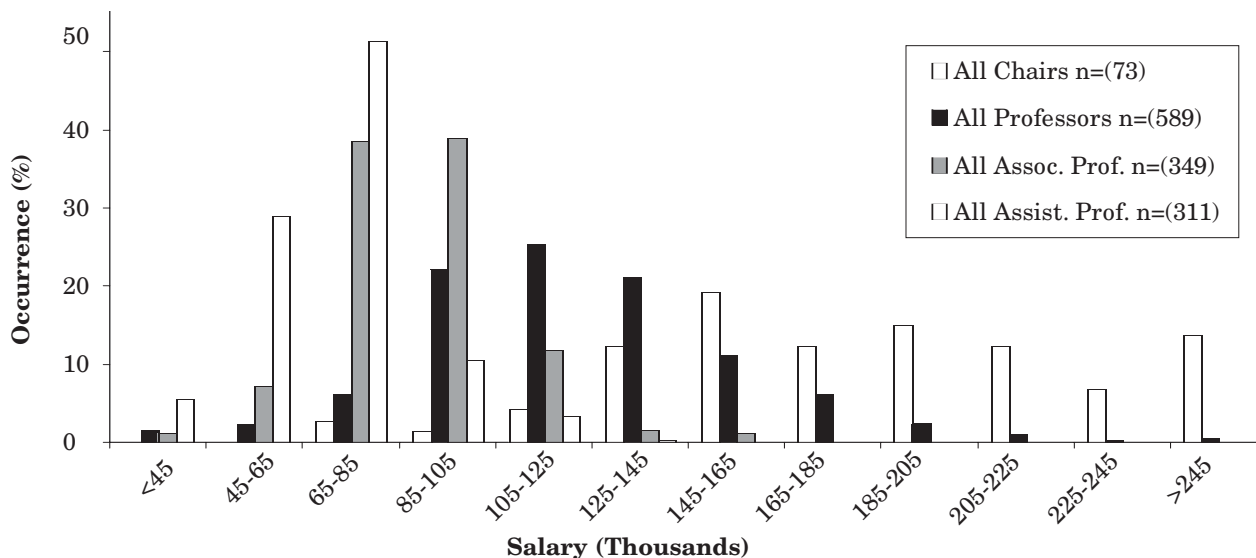
## Average annual starting stipend (in US dollars) for trainees:

Predocctoral	Postdoctoral
\$19,516	\$33,434

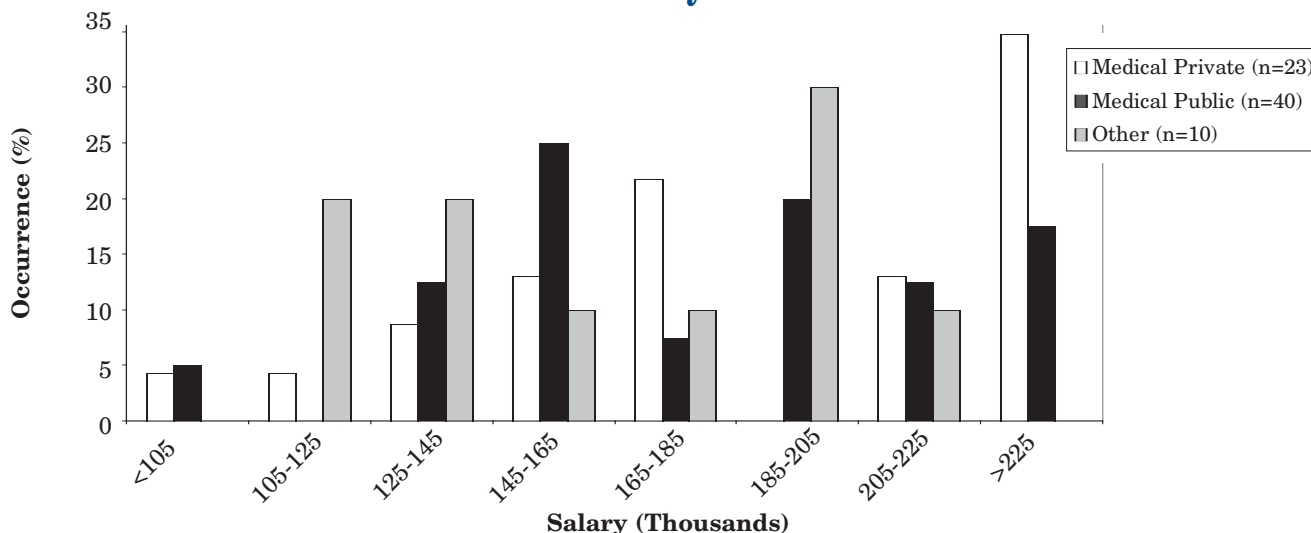
Table 3. Salaries by Region

Region	Average	Median	Minimum	Maximum	Total	
<b>Chairperson</b>						
Northeast	\$190,533	\$185,000	\$165,000	\$258,612	7	Northeast: ME, NH, VT, NY, MA, RI, CT, NJ, PA, MD, DE, DC
Midwest	191,382	180,600	139,073	280,000	11	
South	178,977	159,282	132,293	264,000	16	
West	167,078	152,700	123,224	239,688	4	
Canada/Puerto Rico	78,147	78,147	78,147	78,147	1	
<b>Professor</b>						
Northeast	121,335	120,242	40,562	234,708	76	Midwest: MI, OH, IN, IL, WI, IA, MO, KS, NE, ND, SD, MN
Midwest	130,933	127,839	50,049	278,410	106	
South	116,745	109,900	43,260	222,200	119	
West	106,397	100,980	22,384	221,268	43	
Canada/Puerto Rico	0	0	0	0	1	
<b>Associate Professor</b>						
Northeast	85,927	85,000	52,000	123,982	31	South: VA, WV, KY, TN, NC, SC, GA, FL, AL, MS, AR, LA, OK, TX
Midwest	87,367	90,182	50,000	117,480	73	
South	83,238	81,872	13,635	180,000	80	
West	79,602	78,420	63,973	107,268	15	
Canada/Puerto Rico	68,159	66,182	50,918	87,376	3	
<b>Assistant Professor</b>						
Northeast	65,611	70,000	22,425	99,129	27	West: AK, HI, MT, WY, CO, NM, AZ, ID, WA, OR, CA, UT
Midwest	72,074	71,700	44,175	134,521	38	
South	70,245	71,000	40,000	115,102	75	
West	70,152	64,577	50,000	93,504	21	
Canada/Puerto Rico	0	0	0	0	1	
<b>Instructor</b>						
Northeast	52,703	48,018	44,134	69,999	6	
Midwest	46,154	44,550	32,000	66,950	12	
South	42,376	39,908	19,718	60,412	17	
West	39,115	39,163	21,910	57,212	6	
Canada/Puerto Rico	0	0	0	0	1	

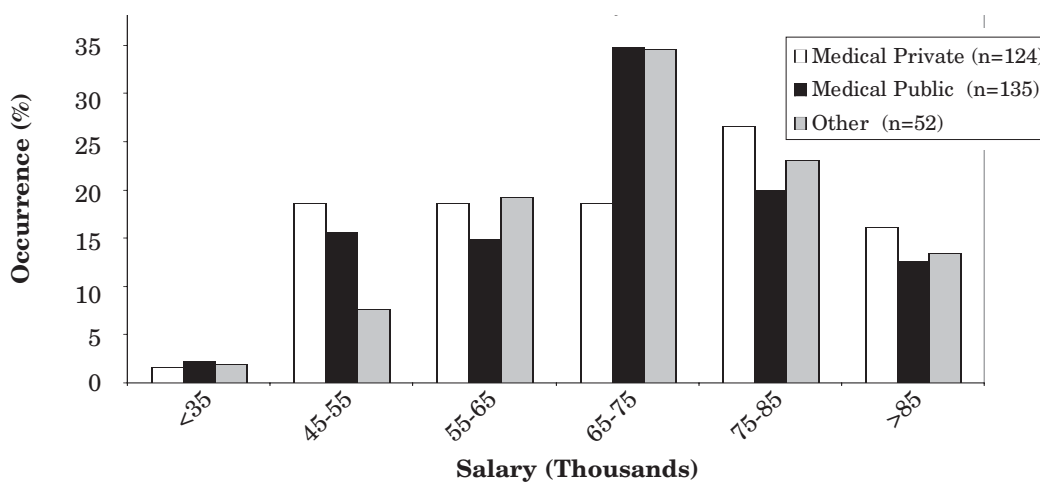
## Salary Comparison by Title



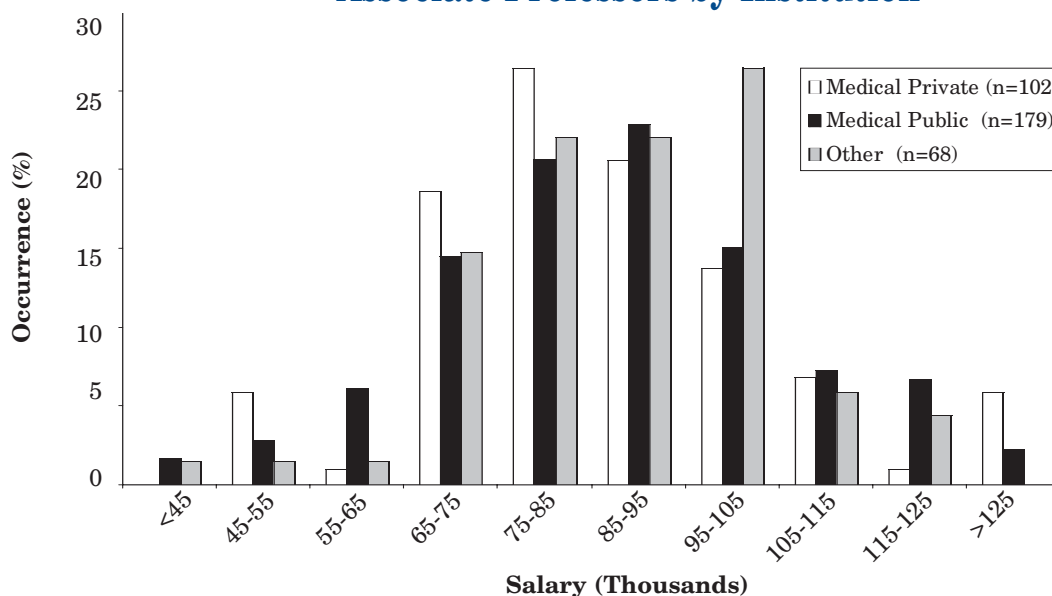
## Chairs by Institution



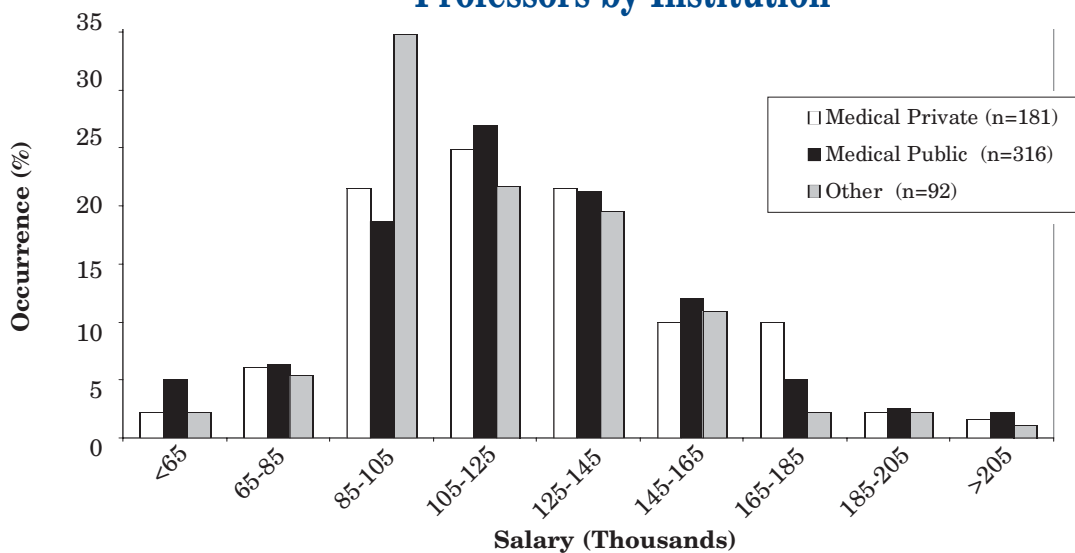
## Assistant Professors by Institution



## Associate Professors by Institution



## Professors by Institution



**Table 4. Budgets by Institutions**

	All Institutions	No.	Private Med.	No.	Public Med.	No.	Nonmed.	No.
Institutional	\$1,737,666	81	\$1,463,794	27	\$1,640,842	42	\$2,108,363	12
Outside Research Grants (direct costs)	4,310,502	80	4,642,448	27	3,455,695	42	4,833,363	11
Training Grants (direct costs only)	372,648	45	469,714	15	199,052	26	449,177	4
Endowments	246,750	33	508,508	10	143,100	19	88,643	4
Indirect Cost Recovery (amount to dept.)	504,644	43	1,129,455	6	199,819	31	184,658	6
Other Budget Support	434,015	56	780,450	16	240,389	35	281,206	5
Average Departmental Budget	6,870,464		7,269,009		5,632,305		6,927,717	

### Financial Information

Current fringe benefit rate most frequently used for Primary faculty	25.32	(n = 81)
Federally negotiated indirect cost rate for FY 03-04 off campus	26.91	(n = 58)
on campus	50.49	(n = 79)
Percentage of allocated faculty salary dollars raised from grants, etc., directly returned to your department	70.56	(n = 52)
Percentage of indirect costs returned to your department	19.32	(n = 45)
Percentage of total faculty salaries derived from research grants (does not include fringe benefits costs)	38.26	(n = 78)

Table 5. Complete Ranking According to Total Dollars

Rank	Total Dollars	Rank Research Grant Dollars	Research Grant Dollars	Rank Research Dollars/ Faculty	Research Dollars/ Faculty	Rank Total Research Space	Research Space (sq. ft.)	Rank Research Dollars/ sq. ft.	Research Dollars/ sq. ft.	No. of Faculty
1	\$22,173,790	1	\$18,990,796	2	\$ 654,855	1	54,435	10	\$349	29
2	20,720,264	2	15,057,187	1	1,003,812	10	31,125	4	484	15
3	19,846,070	3	10,818,778	5	432,751	28	20,812	2	520	25
4	13,837,268	4	10,707,641	9	356,921	15	26,333	7	407	30
5	11,299,711	7	7,261,763	33	242,059	23	23,039	19	315	30
6	11,212,508	5	8,352,864	3	491,345	27	21,662	8	386	17
7	10,981,588	15	5,865,645	24	266,620	19	24,297	31	241	22
8	10,832,040	9	6,652,000	8	369,556	64	9,649	1	689	18
9	10,827,760	6	7,866,942	12	342,041	6	32,805	32	240	23
10	9,737,998	13	6,052,461	16	318,551	3	36,245	50	167	19
11	9,644,124	14	5,877,999	21	293,900	2	37,578	53	156	20
12	9,319,219	8	6,904,000	19	300,174	13	28,537	30	242	23
13	9,317,884	11	6,518,976	42	217,299	14	28,005	34	233	30
14	9,306,119	12	6,331,493	14	333,236	8	32,665	44	194	19
15	9,059,325	17	5,583,822	22	279,191	11	30,887	47	181	20
16	8,792,575	19	5,456,214	39	218,249	18	24,522	38	223	25
17	8,561,316	10	6,535,604	15	326,780	33	18,426	9	355	20
18	8,491,882	30	4,488,986	62	149,633	35	17,737	29	253	30
19	8,464,000	26	4,719,000	6	429,000	5	34,000	63	139	11
20	8,417,848	18	5,550,604	45	191,400	17	25,403	40	219	29
21	8,246,090	57	2,595,077	48	185,363	44	15,600	51	166	14
22	8,119,288	16	5,713,319	18	300,701	37	17,479	15	327	19
23	7,909,396	23	5,045,362	29	252,268	42	16,128	20	313	20
24	7,761,376	20	5,312,900	10	354,193	21	23,932	39	222	15
25	7,409,719	25	4,952,604	44	198,104	20	24,141	43	205	25
26	7,301,780	49	2,865,493	26	260,499	73	8,231	11	348	11
27	7,216,319	34	3,777,482	60	151,099	50	13,479	25	280	25
28	7,151,850	21	5,289,760	34	240,444	36	17,529	21	302	22
29	6,990,230	32	3,906,949	57	162,790	4	34,837	71	112	24
30	6,895,153	27	4,642,854	7	386,905	26	22,028	42	211	12
31	6,727,782	36	3,652,180	49	182,609	53	12,578	22	290	20
32	6,471,058	47	2,953,748	36	227,211	32	19,573	56	151	13
33	6,142,462	50	2,833,257	54	166,662	16	25,963	73	109	17
34	6,055,916	43	3,119,569	65	124,783	12	30,500	74	102	25
35	6,030,413	53	2,804,268	46	186,951	31	20,104	61	139	15
36	5,940,840	44	3,006,434	13	334,048	41	16,251	46	185	9
37	5,928,983	42	3,266,159	56	163,308	25	22,390	58	146	20
38	5,870,064	31	4,413,699	20	294,247	61	10,257	6	430	15
39	5,773,724	33	3,818,702	27	254,580	71	8,385	5	455	15
40	5,544,690	22	5,175,083	32	246,433	34	17,828	23	290	21
41	5,338,035	52	2,811,489	68	104,129	22	23,555	69	119	27
42	5,284,658	46	2,961,278	31	246,773	38	17,259	49	172	12
43	5,194,702	35	3,684,077	17	307,006	49	13,512	27	273	12
44	5,079,511	54	2,794,145	47	186,276	29	20,269	64	138	15
45	5,042,227	38	3,423,982	11	342,398	54	12,500	26	274	10
46	4,791,358	48	2,913,943	37	224,149	30	20,195	59	144	13
47	4,739,622	58	2,504,137	51	178,867	59	10,941	35	229	14
48	4,635,830	55	2,665,423	59	156,790	72	8,350	18	319	17
49	4,613,207	39	3,362,434	35	240,174	47	14,097	33	239	14

Table 5. Complete Ranking According to Total Dollars

Rank	Total Dollars	Rank Research Grant Dollars	Research Grant Dollars	Rank Research Dollars/ Faculty	Research Dollars/ Faculty	Rank Total Research Space	Research Space (sq. ft.)	Rank Research Dollars/ sq. ft.	Research Dollars/ sq. ft.	No. of Faculty
50	\$4,530,410	41	\$3,295,751	28	\$253,519	65	9,558	12	\$345	13
51	4,293,977	60	2,371,748	63	139,515	45	15,511	55	153	17
52	4,282,954	29	4,497,768	25	264,575	48	13,648	14	330	17
53	4,267,449	56	2,643,454	64	125,879	39	16,699	52	158	21
54	4,189,023	40	3,320,000	23	276,667	46	14,857	37	223	12
55	4,155,204	59	2,397,746	41	217,977	51	12,749	45	188	11
56	3,934,532	45	2,972,485	30	247,707	67	9,118	16	326	12
57	3,857,921	64	1,964,008	40	218,223	69	8,608	36	228	9
58	3,666,584	37	3,549,590	43	208,799	57	11,027	17	322	17
59	3,604,446	65	1,813,209	67	106,659	60	10,526	48	172	17
60	3,595,938	69	1,415,575	71	101,113	58	10,991	67	129	14
61	3,508,463	61	2,342,497	50	180,192	68	8,872	28	264	13
62	3,457,124	62	2,264,407	53	174,185	76	7,928	24	286	13
63	3,386,806	51	2,811,622	66	117,151	7	32,761	75	86	24
64	2,985,902	67	1,473,112	72	98,207	63	9,809	57	150	15
65	2,961,333	78	207,833	77	25,979	74	8,102	77	26	8
66	2,809,421	76	785,151	76	41,324	52	12,715	76	62	19
67	2,712,354	75	844,042	75	46,891	78	6,165	65	137	18
68	2,670,130	68	1,435,625	74	89,727	56	11,573	68	124	16
69	2,600,337	73	1,019,000	73	92,636	66	9,131	72	112	11
70	2,570,692	71	1,227,645	69	102,304	75	8,023	54	153	12
71	2,466,187	72	1,117,967	70	101,633	62	9,882	70	113	11
72	2,408,776	77	345,700	79	20,335	40	16,292	78	21	17
73	2,334,899	66	1,658,315	55	165,832	55	12,470	66	133	10
74	2,003,146	70	1,294,113	58	161,764	79	3,760	13	344	8
75	1,176,571	80	136,726	80	15,192	77	7,291	81	19	9
76	1,155,139	79	165,714	78	20,714	70	8,483	79	20	8
77	1,088,880	74	886,357	38	221,589	81	1,828	3	485	4
78	799,591	81	50,000	81	8,333	80	2,600	80	19	6
79	73,726	24	4,960,858	52	177,174	24	22,823	41	217	28
80		28	4,506,672	61	150,222	9	32,159	60	140	30
81		63	2,226,846	4	445,369	43	16,000	62	139	5

## Moving?

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