

Annual Surveys

Association of Chairs of Departments of Physiology 2013 Survey Results

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The Association of Chairs of Departments of Physiology annual survey was sent electronically to 194 physiology departments throughout the U.S., Canada, Mexico, and Puerto Rico. A total of 43 surveys were returned for a response rate of 21%. This rate is similar to previous

years. Of the 43 surveys returned, 12 were from private and 31 were from public medical schools.

The data provide the reader with general trends of faculty demographics and distribution, overall departmental

Table 1. Faculty Summary

Faculty Summary (n = 770)

	Male	Female	Total
Asian/Pacific Islander	95	37	132
Black (not Hispanic)	11	11	22
Hispanic	36	13	49
White (not Hispanic)	383	132	515
Foreign National	35	17	52
Total	560	210	770

Medical Physiology Course Type

	Yes	No	Total Responded
Integrated Disciplines	32	9	41
Traditional	32	10	42
Within Traditional	21	19	40

Tenure Status in Each Department by Degree

	Tenured	Not Tenured	Not Eligible	Total
MD	14	0	7	21
PhD	457	2	288	747
2 Doctorates	39	1	11	51
Other	5	0	0	5
Total	515	3	306	824

For your faculty, what is the average number of hours of student contact (per year) for:

	Student Type	Average (hours)	Number (inst.)
Lab Hours	Graduate	348	23
	Medical	33	26
	Other	86	10
Lectures	Graduate	79	41
	Medical	54	42
	Other	91	24
Small Group	Graduate	33	22
	Medical	39	37
	Other	34	11

Teaching Interactions

MD/DO	41
DDS	15
DVM	4
Allied Health	21
Pharmacy	9
Other Biomedical	31
Life Science	22
Bioengineering	19
Other	14

Table 2. Student/Trainee Information

Student/Trainee Summary

US Citizen/Resident Alien		
Predoctoral	Male	222
Predoctoral	Female	223
Postdoctoral	Male	111
Postdoctoral	Female	85
Foreign		
Predoctoral	Male	99
Predoctoral	Female	137
Postdoctoral	Male	118
Postdoctoral	Female	94

Race/Ethnicity of Pre- and Postdoctoral Students/Trainees

	Predoctoral		Postdoctoral	
	Male	Female	Male	Female
Native American	1	0	0	0
Asian/Pacific Islander	20	34	18	24
Black (not Hispanic)	11	21	4	8
Hispanic	13	18	7	5
White (not Hispanic)	177	150	82	48

US Citizen/Resident Alien Postdoctoral Trainee Completions

	Male	Female
Native American	3	0
Asian/Pacific Islander	8	9
Black (not Hispanic)	2	9
Hispanic	6	3
White (not Hispanic)	42	27
Total	61	48

Average Annual Stipend (US \$)

	Average	Number
Postdoctoral	\$41,257.90	39
Predoctoral	\$24,507.67	39

Predoctoral Trainee Completions During the Year Ending June 30, 2013

	Total
Female	73
Male	101
Total	174

Foreign National Predoctoral Trainee Completions

	Male	Female
African	1	0
Asian/Pacific Islander	19	9
Central/South American	1	5
European/Canadian, etc.	2	1
Middle Eastern	6	1
Total	29	16

Number of Foreign Pre- and Postdoctoral Students/Trainees

	Predoctoral		Postdoctoral	
	Male	Female	Male	Female
African	2	2	1	1
Asian/Pacific Islander	52	65	75	47
Central/South American	1	7	8	10
European/Canadian, etc.	7	14	20	23
Middle Eastern	14	20	12	5
Other	23	29	3	8
Total	99	137	119	94

Number of Foreign Pre- and Postdoctoral Trainees Whose Primary Source of Support is:

	Predoctoral	Postdoctoral
Institutional	55	27
Research Grants	111	197
Private Foundations	4	3
Home (foreign) Government	3	3
Other	19	11
Total	192	241

budgets, and space available for research. As a reminder, beginning in 2004, ACDP decided not to include faculty salary information in this report. AAMC salary data is more generally used, so the ACDP Council decided to no longer collect or report this data. Data are still collected on tenure status, gender, and ethnicity of faculty members (Table 1). Table 1 also includes information on the average number of teaching contact hours for faculty and the type of medical physiology course being taught.

Table 2 provides student/trainee information, including ethnicity for predoctoral and postdoctoral categories, as well as predoctoral trainee completions, stipends provided, and type of support.

Institutional information is provided in Table 3. Departmental budget information (Table 4) shows type of support, faculty salaries derived from grants along with negotiated indirect costs to the departments. New for this year is the mean number of faculty in those 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.

For an update of AAMC salary data, please see the accompanying article, "AAMC Medical School Faculty Compensation Survey" (on p. 164).

Table 3. Institution Summary

Type of Institution (n = 43)		Space Controlled by Department	
			Average, sq. ft.
Private	12	Research Space	19,651.84
Public	31	Administrative Space	3,116.14
Total	43	Teaching Space	2,034.38
		Other Space:	2,754.89
		Total Space	27,557.26

Table 4. Institutional Financial Information**Budget by Institution**

	All Institutions	No. of Institutions	Mean No. of Faculty	Private Medical	No. of Institutions	Mean No. of Faculty
Institutional (hard money, e.g., operating costs, state allocations)	\$2,859,588.75	41	16	\$1,841,302.64	11	17
Outside Research Grants and Contracts (direct costs only)	\$4,595,085.45	41	16	\$4,031,685.36	11	17
Training Grants (direct costs only)	\$370,251.31	18	20	\$465,256.00	4	20
Endowments	\$574,501.35	26	17	\$287,834.67	6	16
Indirect Cost Recovery (amount returned to your department)	\$295,526.93	28	18	\$330,764.67	3	18
Other Budget Support (identify)	\$1,155,313.28	37	16	\$2,527,889.00	8	17
Average Departmental Budget	\$5,727,070.87			\$7,112,568.45		
Total faculty			681			131

	Public Medical	No. of Institutions	Mean No. of Faculty	Non-medical	No. of Institutions	Mean No. of Faculty
Institutional (hard money, e.g., operating costs, state allocations)	\$4,400,923.83	25	14	\$2,336,539.80	5	18
Outside Research Grants and Contracts (direct costs only)	\$7,750,206.99	25	14	\$2,003,364.00	5	18
Training Grants (direct costs only)	\$614,175.93	13	16	\$31,322.00	1	23
Endowments	\$1,319,909.71	17	16	\$115,759.67	3	19
Indirect Cost Recovery (amount returned to your department)	\$430,514.13	22	15	\$125,302.00	3	22
Other Budget Support (identify)	\$510,032.33	21	15	\$428,018.50	5	16
Average Departmental Budget	\$5,373,003.74			\$4,695,640.40		
Total faculty			433			117

Financial Information

	Average	No. of Institutions
Current fringe benefit rate most frequently used for primary faculty	30.72	43
Federally negotiated indirect cost rate for FY 13-14 off campus	26.03	37
Federally negotiated indirect cost rate for FY 13-14 on campus	51.37	43
Percentage of allocated salary dollars directly returned to your department	71.24	29
Percentage of indirect costs returned to your department	22.94	31
Percentage of total faculty salaries derived from research grants (does not include fringe benefits costs)	34.07	41

Table 5. Complete Ranking According to Total Dollars

Rank Total Dollars	Total Dollars	Rank Research Grant Dollars	Research Grant Dollars	Rank Research Dollars/ Faculty	Research Dollars/ Faculty	Rank Total Research Space	Total Research Space, sq. ft.	Rank Research Dollars/ sq. ft.	Research Dollars/ sq. ft.	No. of Faculty
1	101,833,903	3	8,668,507	5	376,892	2	44,170	17	196	23
2	23,837,296	1	15,178,697	2	632,446	6	36,042	2	421	24
3	17,787,149	2	10,860,075	6	362,003	7	34,591	6	314	30
4	11,323,918	5	6,063,835	8	336,880	4	38,751	25	156	18
5	9,978,392	4	8,019,804	7	348,687	10	27,510	7	292	23
6	9,766,870	8	5,110,555	13	232,298	20	18,799	9	272	22
7	9,079,548	11	4,382,766	17	219,138	11	26,926	23	163	20
8	8,967,876	20	3,438,903	22	180,995	38	10,486	5	328	19
9	8,735,077	6	5,494,592	14	228,941	14	20,947	10	262	24
10	8,686,889	19	3,535,132	30	121,901	13	24,166	27	146	29
11	8,562,979	7	5,145,014	3	395,770	5	36,384	30	141	13
12	8,489,672	12	4,354,432	27	155,515	31	12,729	3	342	28
13	8,232,407	14	3,947,121	26	164,463	9	28,199	32	140	24
14	8,133,664	9	5,054,385	16	219,756	18	19,554	11	258	23
15	7,944,542	21	3,366,952	20	198,056	21	16,975	16	198	17
16	6,873,688	10	4,807,520	1	1,602,507	8	30,000	24	160	3
17	6,724,959	23	3,133,715	33	111,918	1	49,427	38	63	28
18	6,680,943	29	2,355,144	32	112,150	3	38,849	39	61	21
19	6,564,668	13	4,129,367	25	165,175	26	14,492	8	285	25
20	6,552,694	17	3,722,784	9	310,232	15	20,873	20	178	12
21	6,343,341	18	3,659,416	10	261,387	22	16,401	14	223	14
22	6,012,035	24	2,878,093	19	205,578	12	25,288	34	114	14
23	5,864,508	31	2,198,607	38	81,430	34	11,903	19	185	27
24	5,552,100	16	3,802,778	11	237,674	23	16,265	13	234	16
25	5,345,479	35	1,888,694	36	94,435	17	19,821	37	95	20
26	5,309,292	33	2,050,000	31	113,889	33	12,048	22	170	18
27	5,226,876	25	2,836,104	12	236,342	16	19,848	29	143	12
28	5,159,768	28	2,446,029	28	152,877	32	12,484	18	196	16
29	4,963,994	15	3,811,252	4	381,125	36	11,236	4	339	10
30	4,961,131	26	2,816,638	21	187,776	43	3,395	1	830	15
31	4,794,061	22	3,199,040	15	228,503	29	13,391	12	239	14
32	4,735,243	34	2,043,826	34	107,570	19	19,040	35	107	19
33	4,658,514	32	2,154,615	23	165,740	25	14,774	28	146	13
34	4,305,630	41	150,000	41	7,500	37	10,526	41	14	20
35	3,968,001	27	2,484,293	24	165,620	24	15,924	26	156	15
36	3,881,108	30	2,304,423	18	209,493	30	12,994	21	177	11
37	3,863,404	38	1,305,421	39	56,757	39	6,165	15	212	23
38	3,779,450	37	1,334,105	35	95,293	28	13,500	36	99	14
39	3,391,207	40	656,809	40	41,051	27	13,867	40	47	16
40	3,150,422	36	1,363,654	29	136,365	35	11,329	33	120	10
41	2,124,839	39	741,345	37	82,372	40	5,283	31	140	9
42	1,178,098	42	58,000	42	7,250	41	5,064	42	11	8
43	920,560	43	23,500	43	4,700	42	4,613	43	5	5

Annual Surveys

AAMC Medical School Faculty Compensation Survey

Each year, the American Association of Medical Colleges (AAMC) surveys all the U.S. medical schools as to faculty compensation. Because of this, the ACDP (see "Association of Chairs of Departments of Physiology 2013 Survey Results" on p. 159) decided to no longer collect the same data from its members.

As a supplement to the ACDP survey, the AAMC has agreed to allow the APS to publish selected results from their survey.

Table 1 shows the regional distribution of medical schools responding to the AAMC survey in terms of public

medical and private medical. Also shown is the number of physiology departments in those regions that responded.

Summary statistics on faculty compensation in physiology departments for PhD faculty are given in Table 2. Table 3 shows the changes in salary that have occurred over the past 3 years. The summary statistics for separate regions of the country are given in Table 4.

Table 5 shows the salary comparison between PhD faculty in all basic science departments vs. those in physiology departments.

Table 1. Distribution of Medical Schools Responding to AAMC Medical School Faculty Compensation Survey

		Northeast	Midwest	South	West	Total
All	Private Medical	27	11	14	3	55
	Public Medical	12	23	36	15	86
Physiology	All Medical Schools	17	18	27	8	70

Table 2. Summary Statistics on Physiology Department PhD Faculty Compensation (in Dollars)

		25th	Median	75th	Mean	No. of Faculty
Chair	All Schools	234,000	260,000	299,000	269,500	70
	Medical Public	231,000	260,000	279,000	254,100	46
	Medical Private	237,000	290,000	382,000	299,000	24
Professor	All Schools	134,000	158,000	189,000	164,800	547
	Medical Public	134,000	158,000	188,000	164,800	379
	Medical Private	134,000	162,000	190,000	164,900	168
Assoc. Prof.	All Schools	98,000	112,000	125,000	114,100	310
	Medical Public	97,000	111,000	124,000	112,900	215
	Medical Private	103,000	112,000	129,000	116,800	95
Asst. Prof.	All Schools	68,000	85,000	95,000	83,000	387
	Medical Public	67,000	84,000	94,000	81,900	255
	Medical Private	68,000	87,000	98,000	85,000	132
Instructor	All Schools	46,000	51,000	58,000	52,700	77
	Medical Public	46,000	51,000	56,000	51,700	52
	Medical Private	42,000	55,000	66,000	54,800	25

Table 3. Change in Total Compensation for Physiology Department PhD Faculty (in Dollars)

2012 - 2013		2011 - 2012		2010 - 2011		% Change 2010-2011 to 2012-2013	
Mean	Median	Mean	Median	Mean	Median	Mean	Median
126,700	118,000	124,300	115,000	123,200	114,000	1.9	2.6

Mean and median values were combined for assistant, associate, and professor

Table 4. Summary Statistics on Physiology Department PhD Faculty Compensation by Region (in Dollars)

		Northeast	Midwest	South	West
Chair	25th	235,000	215,000	230,000	261,000
	Median	254,000	258,000	259,000	273,000
	75th	308,000	329,000	293,000	290,000
	Mean	285,100	288,600	247,700	266,800
	Total faculty	17	18	27	8
Professor	25th	142,000	136,000	126,000	143,000
	Median	171,000	158,000	153,000	159,000
	75th	194,000	192,000	177,000	194,000
	Mean	168,500	166,400	157,200	176,300
	Total faculty	111	139	211	86
Assoc. Prof.	25th	107,000	98,000	95,000	106,000
	Median	115,000	108,000	105,000	120,000
	75th	131,000	123,000	120,000	144,000
	Mean	120,800	113,100	107,600	123,400
	Total faculty	71	106	102	31
Asst. Prof.	25th	68,000	69,000	67,000	69,000
	Median	93,000	85,000	81,000	92,000
	75th	104,000	94,000	90,000	100,000
	Mean	87,400	83,200	79,600	87,800
	Total faculty	73	108	162	44
Instructor	25th	55,000	41,000	46,000	45,000
	Median	62,000	43,000	50,000	58,000
	75th	75,000	54,000	57,000	60,000
	Mean	63,700	47,200	51,700	55,000
	Total faculty	9	14	45	9

Table 5. Salary Comparison Between All Basic Science Departments and Physiology Departments (in Dollars)

		All Basic Science Depts.	Physiology
Chair	25th	220,000	234,000
	Median	268,000	260,000
	75th	320,000	299,000
	Mean	272,300	269,500
	Total faculty	556	70
Professor	25th	136,000	134,000
	Median	164,000	158,000
	75th	199,000	189,000
	Mean	174,100	164,800
	Total faculty	4,342	547
Assoc. Prof.	25th	99,000	98,000
	Median	114,000	112,000
	75th	133,000	125,000
	Mean	117,900	114,100
	Total faculty	3,246	310
Asst. Prof.	25th	75,000	68,000
	Median	90,000	85,000
	75th	103,000	95,000
	Mean	89,900	83,000
	Total faculty	3,989	387
Instructor	25th	50,000	46,000
	Median	57,000	51,000
	75th	68,000	58,000
	Mean	62,400	52,700
	Total faculty	663	77