

Annual Surveys

Association of Chairs of Departments of Physiology 2014 Survey Results

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The Association of Chairs of Departments of Physiology (ACDP) annual survey was sent electronically to 187 physiology departments throughout the U.S., Canada, Mexico, and Puerto Rico. A total of 41 surveys were returned, for a response rate of 22%. This rate is similar to previous years. Of the 41 surveys returned, there were 10 private and 31 public medical schools. We encourage more of our colleagues to respond so that we can have more robust data that will benefit all.

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

Table 1. Faculty Summary

Faculty Summary (n = 694)

	Male	Female	Total
Asian/Pacific Islander	83	33	116
Black (not Hispanic)	5	4	9
Hispanic	36	13	49
White (not Hispanic)	347	122	469
Foreign National	34	17	51
Total	505	189	694

Medical Physiology Course Type

	Yes	No	Total Responded
Integrated Disciplines	30	10	40
Traditional	29	11	40
Within Traditional	21	19	40

Tenure Status in Each Department by Degree

	Tenured	Not Tenured	Not Eligible	Total
MD	14	1	6	21
PhD	418	2	274	694
2 Doctorates	39	0	6	45
Other	5	0	0	5
Total	476	3	286	765

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	399	25
	Medical	56	24
	Other	94	9
Lectures	Graduate	90	39
	Medical	58	39
	Other	117	21
Small Group	Graduate	35	23
	Medical	32	35
	Other	28	10

Teaching Interactions

MD/DO	39
DDS	16
DVM	3
Allied Health	20
Pharmacy	9
Other Biomedical	30
Life Science	20
Bioengineering	17
Other	15

Table 2. Student/Trainee Information

Student/Trainee Summary

	Predoctoral		Postdoctoral	
	Male	Female	Male	Female
US Citizen/ Resident Alien	264	245	106	91
Foreign	64	99	140	123

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	1	0
Asian/Pacific Islander	5	11
Black (not Hispanic)	1	1
Hispanic	6	4
White (not Hispanic)	35	24
Total	48	40

Average Annual Stipend (\$U.S.)

	Average	Number (inst.)
Postdoctoral	\$41,532	41
Predoctoral	\$24,904	41

Predoctoral Trainee Completions During the Year Ending June 30, 2014

	Total
Female	60
Male	68
Total	128

Foreign National Predoctoral Trainee Completions

	Male	Female
African	2	1
Asian/Pacific Islander	10	12
Central/South American	1	4
European/Canadian, etc.	4	2
Middle Eastern	3	1
Total	20	20

Number of Foreign Pre- and Postdoctoral Students/Trainees

	Predoctoral		Postdoctoral	
	Male	Female	Male	Female
African	1	3	1	1
Asian/Pacific Islander	43	65	78	58
Central/South American	1	6	6	12
European/Canadian, etc.	6	16	36	39
Middle Eastern	13	9	14	4
Other	0	0	5	9
Total	64	99	140	123

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

	Predoctoral	Postdoctoral
Institutional	69	24
Research Grants	93	243
Private Foundations	3	4
Home (foreign) Government	3	5
Other	18	12
Total	186	288

number of teaching contact hours for faculty and on 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 average dollar amounts for 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 (institutional hard money, research grants, etc.), research grant dollars (direct or direct plus indirect as appropriate), and departmental space. Space averages are presented as research, administration, teaching, and other.

For an update of AAMC salary data, please see the AAMC Survey (p. 122).

Table 3. Institution Summary

Type of Institution		Space Controlled by Department	
			Average, sq. ft.
Private	10	Research Space	20,477
Public	31	Administrative Space	3,475
Total	41	Teaching Space	1,929
		Other Space:	2,708
		Total Department Space	25,881

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)	\$2,577,085	41	21	\$1,850,507	10	15
Outside Research Grants and Contracts (direct costs only)	\$4,225,948	41	21	\$4,587,533	10	15
Training Grants (direct costs only)	\$523,964	16	23	\$430,455	3	18
Endowments	\$345,648	27	21	\$342,692	5	13
Indirect Cost Recovery (amount returned to your department)	\$386,140	28	23	\$824,487	1	19
Other Budget Support	\$459,691	35	20	\$943,391	9	15
Average Departmental Budget	\$1,191,148			\$1,411,272		
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)	\$2,071,986	25	18	\$3,808,762	6	29
Outside Research Grants and Contracts (direct costs only)	\$3,827,236	25	18	\$4,263,075	6	29
Training Grants (direct costs only)	\$467,707	10	21	\$673,728	3	30
Endowments	\$574,357	17	21	\$119,894	5	29
Indirect Cost Recovery (amount returned to your department)	\$198,538	22	18	\$135,394	5	31
Other Budget Support	\$288,490	21	19	\$147,190	5	27
Average Departmental Budget	\$1,416,518			\$1,498,425		
Total Faculty			433			117

Financial Information

	Average	No. of Institutions
Current fringe benefit rate most frequently used for primary faculty	30	41
Federally negotiated indirect cost rate for FY 13-14 off campus	26	36
Federally negotiated indirect cost rate for FY 13-14 on campus	52	41
Percentage of allocated salary dollars from grants directly returned to your department	67	27
Percentage of indirect costs returned to your department	20	29
Percentage of total faculty salaries derived from research grants (does not include fringe benefits costs)	34	41

Correction to "Association of Chairs of Departments of Physiology 2014 Survey Results"

Information from Table 5 of "Association of Chairs of Departments of Physiology 2014 Survey Results" published in the May 2015 issue of *The Physiologist* (vol. 58, p. 117-121; Table 5 is on p. 121) was missing information. Below is the corrected table with all information. ●

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	Rank Research Dollars/sqft	Research Dollars/sqft	No. of Faculty
1	19,256,442	2	11,528,887	1	606,784	5	36,042	5	320	19
2	18,838,317	1	12,134,020	6	404,467	8	34,591	3	351	30
3	12,762,473	3	7,671,551	3	451,268	9	26,926	8	285	17
4	11,264,373	5	6,045,424	7	318,180	4	38,634	24	156	19
5	9,766,870	9	5,110,555	15	232,298	21	18,799	10	272	22
6	9,003,148	16	3,777,581	31	125,919	11	24,166	25	156	30
7	8,840,532	7	5,564,873	17	222,595	12	23,477	14	237	25
8	8,668,507	6	5,904,367	12	256,712	2	44,170	31	134	23
9	8,653,198	8	5,359,033	4	412,233	7	35,407	26	151	13
10	8,541,509	22	3,445,729	16	229,715	37	10,486	4	329	15
11	8,398,050	11	4,767,971	27	158,932	20	18,850	11	253	30
12	8,314,292	12	4,659,481	14	232,974	6	35,919	33	130	20
13	8,232,407	28	2,724,187	33	108,967	17	20,613	32	132	25
14	7,997,375	10	4,902,165	19	213,138	14	21,825	15	225	23
15	7,944,542	23	3,366,952	20	210,435	22	16,975	18	198	16
16	7,611,661	15	4,009,190	30	133,640	32	12,729	6	315	30
17	6,982,510	24	3,334,236	28	158,773	13	22,095	27	151	21
18	6,899,312	14	4,069,538	10	290,681	23	16,401	13	248	14
19	6,818,640	20	3,638,178	29	139,930	28	14,492	12	251	26
20	6,801,283	36	1,363,000	40	45,433	3	38,867	40	35	30
21	6,552,694	17	3,722,784	9	310,232	16	20,873	21	178	12
22	6,067,540	19	3,650,457	23	192,129	15	21,084	23	173	19
23	5,875,120	29	2,600,578	18	216,715	10	25,288	37	103	12
24	5,782,333	32	2,149,822	38	74,132	1	49,427	39	43	29
25	5,650,500	13	4,253,274	11	265,830	26	15,065	9	282	16
26	5,386,662	30	2,583,960	24	172,264	27	14,774	22	175	15
27	5,239,231	26	2,907,142	21	207,653	30	13,500	16	215	14
28	5,089,223	4	6,075,783	2	506,315	24	15,955	2	381	12
29	4,735,243	33	2,043,826	34	107,570	19	19,040	36	107	19
30	4,702,089	25	2,909,924	13	242,494	18	19,848	28	147	12
31	4,535,950	21	3,449,048	8	313,550	36	11,236	7	307	11
32	4,462,650	37	1,351,119	37	75,062	34	12,484	35	108	18
33	4,118,955	38	1,310,810	36	81,926	29	13,535	38	97	16
34	4,090,935	27	2,893,105	22	192,874	25	15,924	20	182	15
35	3,948,242	31	2,216,606	32	116,663	35	12,048	19	184	19
36	3,931,839	18	3,695,839	5	410,649	39	6,000	1	616	9
37	3,863,404	39	1,305,421	39	56,757	38	6,165	17	212	23
38	3,535,766	34	1,862,199	25	169,291	31	12,994	29	143	11
39	3,144,891	35	1,512,312	26	168,035	33	12,500	34	121	9
40	2,124,839	40	741,345	35	82,372	40	5,283	30	140	9
41	1,116,407	41	42,000	41	5,250	41	5,064	41	8	8

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 ACDP Survey on p. 117) 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. The number of departments responding to the AAMC survey is not the same as the ACDP survey.

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	16	12	22	11	61

Table 2. Summary Statistics on Physiology Department PhD Faculty Compensation (in \$U.S.)

		25th	Median	75th	Mean	No. of Faculty
Chair	All Schools	230,000	262,000	302,000	270,700	61
	Medical Public	227,000	259,000	280,000	252,600	42
	Medical Private	235,000	304,000	350,000	310,700	19
Professor	All Schools	139,000	162,000	193,000	170,100	536
	Medical Public	139,000	162,000	192,000	170,800	378
	Medical Private	136,000	166,000	195,000	168,600	158
Assoc. Prof.	All Schools	98,000	111,000	127,000	114,800	313
	Medical Public	98,000	110,000	126,000	113,200	214
	Medical Private	100,000	112,000	128,000	118,000	99
Asst. Prof.	All Schools	68,000	87,000	97,000	84,900	396
	Medical Public	68,000	86,000	96,000	83,700	269
	Medical Private	68,000	87,000	105,000	87,600	127
Instructor	All Schools	47,000	50,000	57,000	52,700	79
	Medical Public	47,000	50,000	55,000	50,800	53
	Medical Private	47,000	55,000	63,000	56,700	26

Table 3. Change in Total Compensation for Physiology Department PhD Faculty (in \$U.S.)

2013 - 2014		2012 - 2013		2011 - 2012		% Change 2012 - 2013 to 2013 - 2014	
Mean	Median	Mean	Median	Mean	Median	Mean	Median
129,100	119,000	126,700	118,000	124,300	115,000	1.9	0.8

Mean and median values were combined for Assistant, Associate, and Professor

Table 4. Summary Statistics on Physiology Department PhD Faculty Compensation by Region (in \$U.S.)

		Northeast	Midwest	South	West
Chair	25th	231,000	249,000	203,000	169,000
	Median	263,000	275,000	253,000	262,000
	75th	311,000	341,000	300,000	283,000
	Mean	288,100	308,800	250,000	245,600
	Total faculty	16	12	22	11
Professor	25th	148,000	140,000	131,000	146,000
	Median	171,000	164,000	155,000	174,000
	75th	193,000	196,000	190,000	202,000
	Mean	169,500	171,300	164,500	182,900
	Total faculty	104	136	211	85
Assoc. Prof.	25th	106,000	98,000	95,000	104,000
	Median	118,000	110,000	106,000	122,000
	75th	132,000	123,000	123,000	136,000
	Mean	122,300	113,900	109,500	121,300
	Total faculty	70	98	118	27
Asst. Prof.	25th	74,000	62,000	69,000	87,000
	Median	97,000	85,000	84,000	96,000
	75th	109,000	97,000	91,000	102,000
	Mean	92,500	84,000	81,900	93,600
	Total faculty	57	107	200	32
Instructor	25th	49,000	41,000	47,000	49,000
	Median	60,000	44,000	50,000	53,000
	75th	79,000	52,000	55,000	60,000
	Mean	62,100	48,100	51,400	54,300
	Total faculty	9	12	42	16

Table 5. Salary Comparison Between All Basic Science Departments and Physiology Departments (in \$U.S.)

		All Basic Science Depts.	Physiology
Chair	25th	227,000	230,000
	Median	275,000	262,000
	75th	331,000	302,000
	Mean	281,100	270,700
	Total faculty	521	61
Professor	25th	140,000	139,000
	Median	168,000	162,000
	75th	204,000	193,000
	Mean	178,700	170,100
	Total faculty	4,270	536
Assoc. Prof.	25th	100,000	98,000
	Median	116,000	111,000
	75th	135,000	127,000
	Mean	119,700	114,800
	Total faculty	3,265	313
Asst. Prof.	25th	75,000	68,000
	Median	92,000	87,000
	75th	106,000	97,000
	Mean	92,500	84,900
	Total faculty	4,061	396
Instructor	25th	51,000	47,000
	Median	57,000	50,000
	75th	70,000	57,000
	Mean	63,600	52,700
	Total faculty	663	79

