

**Survey of Start-Up Costs and Laboratory Allocation
Rules at Research and Doctoral Universities**

Vice Provost / Vice President of Research Survey SUMMARY OF RESPONSES

	<u>Count</u>	<u>Share</u>
Respondents	85	0.38
Non-Respondents	137	0.62
Universe Size	222	

Category (Count)	Respondents		Non-Respondents		Response Rate
	<i>Count</i>	<i>Share</i>	<i>Count</i>	<i>Share</i>	
Public (145)	63	0.74	82	0.60	0.43
Private (77)	22	0.26	55	0.40	0.29
Total	85		137		0.38
Research 1 (86)	36	0.42	50	0.36	0.42
Non-Research 1 (136)	49	0.58	87	0.64	0.36
Total	85		137		0.38
Public Research 1 (57)	29	0.34	28	0.20	0.51
Private Research 1 (29)	7	0.08	22	0.16	0.24
Public Non-Research 1 (88)	34	0.40	54	0.39	0.39
Private Non-Research 1 (48)	15	0.18	33	0.24	0.31
Total	85		137		0.38

Tabulations for Question A1

Please provide a rough estimate of the dollar magnitude of the total start-up costs that your university incurred during the most recent academic year for which you have data. (Include here costs incurred at all levels of the university - department, college, research center/institute and central university)

<u>Category (Count)</u>	<u>Mean</u>	<u>Median</u>	<u>Min</u>	<u>Max</u>	<u>Stdev</u>
Total (77)	4,338,080	2,800,000	20,000	22,000,000	5,089,254
Public (57)	4,929,021	3,200,000	297,000	22,000,000	5,417,782
Private (20)	2,653,900	950,000	20,000	11,500,000	3,613,363
Research 1 (31)	7,943,416	6,000,000	500,000	22,000,000	6,205,192
Non-Research 1 (46)	1,908,398	1,150,000	20,000	7,000,000	1,756,259
Public Research 1 (26)	8,047,919	4,550,000	1,100,000	22,000,000	6,565,582
Private Research 1 (5)	7,400,000	9,000,000	500,000	11,500,000	4,350,287
Public Non-Research 1 (31)	2,313,171	1,573,805	297,000	7,000,000	1,835,053
Private Non-Research 1 (15)	1,071,867	800,000	20,000	4,703,000	1,259,299

Supplemental Tabulations for Question A1

What are the three most expensive fields of science and engineering at your university in terms of magnitude of the start-up cost packages needed to attract new faculty?

Most Expensive	<u>Count</u>	<u>Share</u>
Biology	23	27.1%
Chemistry	30	35.3%
Physics	7	8.2%
Biomedical Engineering	8	9.4%
Chemical Engineering	3	3.5%
Electrical Engineering and Computer Science	2	2.4%
Materials Science	4	4.7%
Other	8	9.4%

2nd Most Expensive	<u>Count</u>	<u>Share</u>
Biology	16	18.8%
Chemistry	18	21.2%
Physics	21	24.7%
Biomedical Engineering	4	4.7%
Chemical Engineering	4	4.7%
Electrical Engineering and Computer Science	3	3.5%
Materials Science	5	5.9%
Other	14	16.5%

3rd Most Expensive	<u>Count</u>	<u>Share</u>
Biology	19	22.4%
Chemistry	11	12.9%
Physics	15	17.6%
Biomedical Engineering	10	11.8%
Chemical Engineering	2	2.4%
Electrical Engineering and Computer Science	4	4.7%
Materials Science	3	3.5%
Other	21	24.7%

Departments Listed in Any of Top 3	<u>Count</u>	<u>Share of Respondents</u>
Biology	58	68.2%
Chemistry	59	69.4%
Physics	43	50.6%
Biomedical Engineering	22	25.9%
Chemical Engineering	9	10.6%
Electrical Engineering and Computer Science	9	10.6%
Materials Science	12	14.1%
Other	43	50.6%

Biology includes all biological sciences such as cellular, molecular, neuroscience, genetics and bioc

Physics includes nanosciences, surface physics, astronomy and geophysics

Other includes nursing, psychology, aerospace engineering, mechanical engineering, physiology, z and environmental engineering, food and agricultural sciences.

Tabulations for Question A3

What is the dollar magnitude of the start-up costs that your university provides for the typical NEW ASSISTANT PROFESSOR in your university's most expensive (in terms of start-up costs) field?

<u>Category (Count)</u>	<u>Mean</u>	<u>Median</u>	<u>Min</u>	<u>Max</u>	<u>Stdev</u>
All Vice Provosts / Vice Presidents (77)	301,189	275,000	5,000	916,890	163,936
Public (55)	317,346	293,500	15,000	916,890	166,336
Private (22)	260,795	262,500	5,000	600,000	154,024
Research 1 (31)	401,797	400,000	100,000	916,890	168,590
Non-Research 1 (46)	233,387	250,000	5,000	500,000	121,525
Public Research 1 (24)	404,405	430,625	100,000	916,890	182,948
Private Research 1 (7)	392,857	350,000	250,000	600,000	117,006
Public Non-Research 1 (31)	249,945	250,000	15,000	500,000	115,688
Private Non-Research 1 (15)	199,167	200,000	5,000	400,000	130,109

Supplemental Tabulations for Question A3

For the answer to Question A3, which is the most expensive department (in terms of start-up costs)?

Department	<u>Count</u>	<u>Share</u>
Biology	11	14.3%
Chemistry	12	15.6%
Physics or Material Science	4	5.2%
Biomedical Engineering	4	5.2%
Electrical, Mechanical or Chemical Engineering	8	10.4%
Multiple Departments	7	9.1%
Unknown / no response	31	40.3%

Tabulations for Question A4

What is the dollar magnitude of the start-up cost package that your college provides to attract senior faculty to your university's most expensive (in terms of start-up costs) field?

<u>Category (Count)</u>	<u>Mean</u>	<u>Median</u>	<u>Min</u>	<u>Max</u>	<u>Stdev</u>
All Vice Provosts / Vice Presidents (65)	761,443	650,000	7,500	3,300,000	618,161
Public (45)	779,584	700,000	65,000	3,149,788	556,496
Private (20)	720,625	525,000	7,500	3,300,000	753,288
Research 1 (27)	1,120,881	1,000,000	235,000	3,300,000	716,979
Non-Research 1 (38)	506,053	412,500	7,500	1,750,000	372,120
Public Research 1 (20)	1,039,439	1,000,000	235,000	3,149,788	636,946
Private Research 1 (7)	1,353,571	1,000,000	675,000	3,300,000	926,061
Public Non-Research 1 (25)	571,700	500,000	65,000	1,750,000	381,176
Private Non-Research 1 (13)	379,808	400,000	7,500	1,000,000	331,852

Supplemental Tabulations for Question A4

For the answer to Question A4, which is the most expensive department (in terms of start-up costs)?

Department	<u>Count</u>	<u>Share</u>
Biology	7	10.8%
Chemistry	9	13.8%
Physics or Material Science	6	9.2%
Biomedical Engineering	5	7.7%
Electrical, Mechanical or Chemical Engineering	4	6.2%
Multiple Departments	4	6.2%
Unknown / no response	30	46.2%