

***Pseudo ranking of 112 US higher Education and research institutions in fundamental biology
When all publications are considered ($\phi = 1$)
When the relative impact factor of the journal (3 years window) is used to account for publications
impact***

| Institution | Strong dominance Rank | Strong dominance Importance | Dominance Rank | Dominance Importance | Weak dominance Rank | Weak dominance Importance |
|---------------------|-----------------------|-----------------------------|----------------|----------------------|---------------------|---------------------------|
| Harvard | 1 | .62348276424159 | 1 | .72496197351367 | 1 | .72610257720143 |
| Johns_Hopkins | 4 | .04341082433046 | 2 | .10739940593435 | 2 | .09875256613850 |
| UCSF | 13 | .01067855969573 | 3 | .06277623548710 | 3 | .09090712839587 |
| UCLA | 3 | .05489239236571 | 4 | .04545146554887 | 6 | .01234363382418 |
| Pennsylvania | 6 | .02880429613057 | 5 | .02272573277443 | 6 | .01234363382418 |
| Stanford | 19 | .00275248039269 | 6 | .01590090375683 | 4 | .03310993037376 |
| Yale | 16 | .00665626189868 | 7 | .00795045187841 | 5 | .01655496518688 |
| Seattle | 7 | .02735307623987 | 8 | .00454505499875 | 10 | .00176312657880 |
| UCSD | 9 | .01921898875250 | 9 | .00274941247277 | 8 | .00411512719891 |
| WU_St_Louis | 12 | .01157589732815 | 9 | .00274941247277 | 9 | .00205756359945 |
| WI_Madison | 10 | .01844984221043 | 11 | .00098990335685 | 13 | .00022390779210 |
| Columbia | 14 | .00790672970449 | 12 | .00093184424136 | 11 | .00092283384270 |
| Berkeley | 21 | .00128432960327 | 13 | .00046104055685 | 12 | .00065095573916 |
| UM_Ann_Arbor | 2 | .05957257651321 | 14 | .00016313710052 | 15 | .00003672326517 |
| Cornell | 5 | .03093033327044 | 15 | .00011577471650 | 16 | .00003350192612 |
| MIT | 45 | .00003095935767 | 16 | .00006882423475 | 14 | .00005502192710 |
| Baylor_Coll_Med | 27 | .00033458680813 | 17 | .00002228812441 | 17 | .00001181441666 |
| Duke | 17 | .00358693182985 | 18 | .00001709135264 | 19 | .00000372243624 |
| Texas_SW_Med_Center | 46 | .00003040651200 | 19 | .00000696893527 | 18 | .00000594264919 |
| UNC | 20 | .00179951266447 | 20 | .00000614331957 | 19 | .00000372243624 |
| Pittsburgh | 15 | .00692231887864 | 21 | .00000219037259 | 22 | .00000029636197 |
| UC_Davis | 8 | .02033642806834 | 22 | .00000218941512 | 23 | .00000029621274 |
| NYU | 32 | .00013007230131 | 23 | .00000100734125 | 21 | .00000060242356 |
| Twin_Cities | 11 | .01208382428989 | 24 | .00000054711441 | 27 | .00000007150687 |
| Northwestern | 35 | .00008425137699 | 25 | .00000041606399 | 24 | .00000010719594 |
| Vanderbilt | 23 | .00059822508828 | 26 | .00000040613158 | 26 | .00000007157895 |
| Chicago | 44 | .00003531301734 | 27 | .00000005720329 | 28 | .00000005232970 |
| Rockefeller | 56 | .00000435365967 | 28 | .00000002615890 | 25 | .00000008962936 |
| Emory | 31 | .00015775297701 | 29 | .00000002116158 | 29 | .00000000297292 |
| Iowa | 29 | .00022593501828 | 30 | .00000002097272 | 30 | .00000000270609 |
| Utah | 37 | .00007646812501 | 31 | .00000001687285 | 31 | .00000000246976 |
| Boston | 24 | .00046300825084 | 32 | .00000001631171 | 33 | .00000000245602 |
| UC_Irvine | 38 | .00007101302665 | 33 | .00000001322286 | 31 | .00000000246976 |
| Urbana_Champaign | 30 | .00018695126827 | 34 | .00000000253572 | 34 | .00000000034076 |
| Virginia | 43 | .00003740135816 | 35 | .00000000093123 | 35 | .00000000014483 |
| CWRU | 26 | .00036349602977 | 36 | .00000000082019 | 38 | .00000000006807 |
| Florida | 18 | .00329426915189 | 37 | .00000000056630 | 44 | .00000000001276 |
| OR_Health_Sci | 54 | .00000620647500 | 38 | .00000000048143 | 36 | .00000000012242 |

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|----------------|-----------------------|-----------------------------|----------------|----------------------|---------------------|---------------------------|
| Columbus | 22 | .00084751241617 | 39 | .00000000044729 | 41 | .0000000002411 |
| MA_Med_Sch | 62 | .00000199805637 | 40 | .00000000028997 | 37 | .00000000010231 |
| Birmingham | 25 | .00041739848285 | 41 | .00000000021323 | 43 | .00000000001438 |
| Tufts | 60 | .00000298780566 | 42 | .00000000010809 | 40 | .00000000002569 |
| Yeshiva | 52 | .00000911663777 | 43 | .00000000010507 | 39 | .00000000003404 |
| PA_Univ_Park | 48 | .00002167155037 | 44 | .00000000009382 | 45 | .00000000000964 |
| Caltech | 75 | .00000026874442 | 45 | .00000000008005 | 42 | .00000000001801 |
| Mayo_Coll_Med | 28 | .00022873989706 | 46 | .00000000004817 | 48 | .00000000000246 |
| USC | 39 | .00006038947287 | 47 | .00000000003843 | 49 | .00000000000216 |
| Arizona | 34 | .00009467482144 | 48 | .00000000003792 | 50 | .00000000000174 |
| Rochester | 47 | .00002654944916 | 49 | .00000000003675 | 46 | .00000000000402 |
| Mt_Sinai | 59 | .00000314430976 | 50 | .00000000001180 | 51 | .00000000000140 |
| CO_Health | 53 | .00000848297617 | 51 | .00000000001155 | 52 | .00000000000116 |
| Princeton | 85 | .00000011798536 | 52 | .00000000000752 | 47 | .00000000000305 |
| Texas_AM | 36 | .00007649138174 | 53 | .00000000000387 | 56 | .00000000000007 |
| Stony_Brook | 58 | .00000376242194 | 54 | .00000000000370 | 53 | .00000000000028 |
| IL_Chicago | 42 | .00004595529654 | 55 | .00000000000179 | 58 | .00000000000005 |
| Purdue | 40 | .00005920055745 | 56 | .00000000000164 | 57 | .00000000000007 |
| UMDNJ | 50 | .00002013404173 | 57 | .00000000000134 | 54 | .00000000000011 |
| New_Brunswick | 64 | .00000162374254 | 58 | .00000000000112 | 55 | .00000000000009 |
| Georgia | 33 | .00012540028286 | 59 | .00000000000078 | 60 | .00000000000002 |
| MD_Baltimore | 41 | .00005664438928 | 60 | .00000000000068 | 62 | .00000000000001 |
| TX_Anderson | 57 | .00000397099970 | 61 | .00000000000052 | 59 | .00000000000003 |
| CO_Boulder | 68 | .00000091743786 | 62 | .00000000000019 | 61 | .00000000000001 |
| Austin | 63 | .00000199187044 | 63 | .00000000000018 | 63 | .00000000000001 |
| Cincinnati | 51 | .00001451219891 | 64 | .00000000000004 | 66 | .00000000000000 |
| Dartmouth_Coll | 69 | .00000070014995 | 65 | .00000000000004 | 64 | .00000000000000 |
| Michigan | 49 | .00002036207754 | 66 | .00000000000004 | 65 | .00000000000000 |
| Health_Houston | 67 | .00000105578167 | 67 | .00000000000001 | 67 | .00000000000000 |
| CT_Health | 79 | .00000019925216 | 68 | .00000000000000 | 68 | .00000000000000 |
| MD_Coll_Park | 71 | .00000049193895 | 69 | .00000000000000 | 70 | .00000000000000 |
| Wake_Forest | 55 | .00000501656259 | 70 | .00000000000000 | 72 | .00000000000000 |
| Brown | 78 | .00000020314539 | 71 | .00000000000000 | 71 | .00000000000000 |
| TX_Health_SA | 70 | .00000068891760 | 72 | .00000000000000 | 74 | .00000000000000 |
| Brandeis | 100 | .00000001338147 | 73 | .00000000000000 | 69 | .00000000000000 |
| Iowa_State | 65 | .00000134889028 | 74 | .00000000000000 | 73 | .00000000000000 |
| Raleigh | 61 | .00000284552920 | 75 | .00000000000000 | 75 | .00000000000000 |
| Bloomington | 73 | .00000039542776 | 76 | .00000000000000 | 76 | .00000000000000 |

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|----------------------|-----------------------|-----------------------------|----------------|----------------------|---------------------|---------------------------|
| Miami | 66 | .00000121610605 | 77 | .00000000000000 | 78 | .00000000000000 |
| WI_Med_Coll | 81 | .00000017174200 | 78 | .00000000000000 | 79 | .00000000000000 |
| Oregon | 97 | .00000002127498 | 79 | .00000000000000 | 77 | .00000000000000 |
| TN_Health | 74 | .00000027054808 | 80 | .00000000000000 | 81 | .00000000000000 |
| UCSB | 94 | .00000002939392 | 81 | .00000000000000 | 82 | .00000000000000 |
| UC_Riverside | 90 | .00000006241806 | 82 | .00000000000000 | 80 | .00000000000000 |
| Oregon_State | 72 | .00000049129840 | 83 | .00000000000000 | 83 | .00000000000000 |
| Virginia_Comm | 83 | .00000013909456 | 84 | .00000000000000 | 87 | .00000000000000 |
| MA_Amherst | 80 | .00000019279491 | 85 | .00000000000000 | 84 | .00000000000000 |
| Albuquerque | 76 | .00000021615499 | 86 | .00000000000000 | 85 | .00000000000000 |
| Georgia_Inst_Tech | 92 | .00000005381532 | 87 | .00000000000000 | 88 | .00000000000000 |
| CT_Storrs | 86 | .00000011741261 | 88 | .00000000000000 | 89 | .00000000000000 |
| CO_State | 89 | .00000008780758 | 89 | .00000000000000 | 91 | .00000000000000 |
| Rice | 95 | .00000002871807 | 90 | .00000000000000 | 90 | .00000000000000 |
| Santa_Cruz | 103 | .00000000451531 | 91 | .00000000000000 | 86 | .00000000000000 |
| Lincoln | 87 | .00000009579009 | 92 | .00000000000000 | 92 | .00000000000000 |
| AZ_Tempe | 88 | .00000009429629 | 93 | .00000000000000 | 94 | .00000000000000 |
| Manoa | 82 | .00000015462008 | 94 | .00000000000000 | 93 | .00000000000000 |
| SUNY_Albany | 101 | .00000001049327 | 95 | .00000000000000 | 95 | .00000000000000 |
| Florida_State | 84 | .00000013175797 | 96 | .00000000000000 | 98 | .00000000000000 |
| Notre_Dame | 102 | .00000000900580 | 97 | .00000000000000 | 97 | .00000000000000 |
| Carnegie_Mellon | 104 | .00000000370398 | 98 | .00000000000000 | 96 | .00000000000000 |
| George_Washington | 98 | .00000001817717 | 99 | .00000000000000 | 99 | .00000000000000 |
| Virginia_Tech | 77 | .00000021263295 | 100 | .00000000000000 | 101 | .00000000000000 |
| TN_Knoxville | 93 | .00000004867824 | 101 | .00000000000000 | 100 | .00000000000000 |
| SUNY_Health_Brooklyn | 99 | .00000001460820 | 102 | .00000000000000 | 102 | .00000000000000 |
| Delaware | 91 | .00000006213174 | 103 | .00000000000000 | 104 | .00000000000000 |
| NE_Med | 96 | .00000002168022 | 104 | .00000000000000 | 103 | .00000000000000 |
| Rutgers_Newark | 108 | .0000000024835 | 105 | .00000000000000 | 105 | .00000000000000 |
| Rensselaer | 105 | .00000000139749 | 106 | .00000000000000 | 106 | .00000000000000 |
| CUNY | 107 | .00000000033140 | 107 | .00000000000000 | 107 | .00000000000000 |
| Boston_Coll | 106 | .00000000033987 | 108 | .00000000000000 | 108 | .00000000000000 |
| George_Mason | 109 | .00000000016764 | 109 | .00000000000000 | 109 | .00000000000000 |
| So_Methodist | 111 | .00000000012409 | 110 | .00000000000000 | 110 | .00000000000000 |
| MA_Boston | 110 | .00000000016310 | 111 | .00000000000000 | 111 | .00000000000000 |
| Polytech_Brooklyn | 112 | .00000000006504 | 112 | .00000000000000 | 112 | .00000000000000 |