

***Pseudo ranking of 112 US higher Education and research institutions in fundamental biology  
When only publications in the top 10% of their discipline are considered ( $\phi = 0.1$ )  
When direct 3-years citations are 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	.72235264904236	1	.72887134878650	1	.72887212817119
Stanford	4	.03310461971347	2	.12147855813108	2	.12147868802853
UCSF	2	.10935723493590	2	.12147855813108	2	.12147868802853
Johns_Hopkins	2	.10935723493590	4	.02024642635518	4	.02024644800476
Yale	7	.00413807746418	5	.00303696395328	5	.00303696720071
Pennsylvania	5	.01270876920374	6	.00202464263552	6	.00202464480048
UCSD	6	.00453715632096	6	.00202464263552	6	.00202464480048
Columbia	10	.00036760511173	8	.00050616065888	8	.00050616120012
UCLA	8	.00317719230093	9	.00025308032944	9	.00025308060006
Berkeley	11	.00032159825703	10	.00002760876321	10	.00002892349715
MIT	14	.00002669781005	10	.00002760876321	10	.00002892349715
Seattle	9	.00045430707023	12	.00001840584214	12	.00001446174857
Texas_SW_Med_Center	15	.00002042250621	13	.00000306764036	13	.00000482058286
WU_St_Louis	12	.00003675474546	14	.00000230073027	14	.00000103298204
Duke	17	.00000136914113	15	.00000028621525	15	.00000017669430
UM_Ann_Arbor	13	.00003133060222	16	.00000026419869	16	.00000016310243
Baylor_Coll_Med	18	.0000009675674	17	.00000002935541	17	.00000001812249
WI_Madison	16	.00000447580032	17	.00000002935541	17	.00000001812249
Rockefeller	21	.00000006557690	19	.00000001100828	19	.00000000679593
Cornell	20	.00000063245004	20	.00000000489257	20	.00000000302042
UNC	19	.00000072731755	21	.00000000122314	21	.00000000075510
NYU	23	.00000003261497	22	.00000000028969	22	.00000000017884
Pittsburgh	22	.00000005250359	23	.00000000005794	23	.00000000003577
Northwestern	25	.00000000815374	24	.00000000002897	24	.00000000001788
Vanderbilt	24	.00000001206537	25	.00000000000966	25	.00000000000596
Chicago	27	.00000000070883	26	.00000000000322	26	.00000000000199
MA_Med_Sch	30	.00000000009939	26	.00000000000322	26	.00000000000199
Emory	26	.00000000301634	28	.00000000000241	28	.00000000000149
UC_Davis	33	.00000000003232	29	.00000000000026	29	.00000000000016
UC_Irvine	28	.00000000036219	30	.00000000000012	30	.00000000000007
Virginia	32	.00000000006887	31	.00000000000006	31	.00000000000004
Caltech	40	.00000000000037	32	.00000000000001	32	.00000000000001
Boston	31	.00000000009055	33	.00000000000001	33	.00000000000000
Iowa	29	.00000000018109	33	.00000000000001	33	.00000000000000
Utah	35	.00000000001465	35	.00000000000000	35	.00000000000000
USC	38	.00000000000137	36	.00000000000000	36	.00000000000000
Yeshiva	39	.00000000000099	36	.00000000000000	36	.00000000000000
Twin_Cities	34	.00000000001748	38	.00000000000000	38	.00000000000000
OR_Health_Sci	36	.00000000000204	39	.00000000000000	39	.00000000000000

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CWRU	36	.00000000000204	40	.00000000000000	40	.00000000000000
Mayo_Coll_Med	42	.00000000000031	41	.00000000000000	41	.00000000000000
Mt_Sinai	43	.00000000000004	42	.00000000000000	42	.00000000000000
Columbus	41	.00000000000032	43	.00000000000000	43	.00000000000000
Urbana_Champaign	44	.00000000000004	43	.00000000000000	43	.00000000000000
Princeton	46	.00000000000001	45	.00000000000000	45	.00000000000000
TX_Anderson	50	.00000000000000	46	.00000000000000	46	.00000000000000
Rochester	47	.00000000000000	47	.00000000000000	47	.00000000000000
Birmingham	45	.00000000000002	48	.00000000000000	49	.00000000000000
PA_Univ_Park	51	.00000000000000	49	.00000000000000	50	.00000000000000
CO_Boulder	53	.00000000000000	50	.00000000000000	48	.00000000000000
CO_Health	48	.00000000000000	51	.00000000000000	51	.00000000000000
MD_Baltimore	52	.00000000000000	52	.00000000000000	52	.00000000000000
Tufts	49	.00000000000000	53	.00000000000000	54	.00000000000000
New_Brunswick	55	.00000000000000	54	.00000000000000	53	.00000000000000
Arizona	57	.00000000000000	55	.00000000000000	55	.00000000000000
Stony_Brook	54	.00000000000000	56	.00000000000000	56	.00000000000000
Dartmouth_Coll	59	.00000000000000	57	.00000000000000	57	.00000000000000
UMDNJ	58	.00000000000000	58	.00000000000000	58	.00000000000000
Florida	56	.00000000000000	59	.00000000000000	59	.00000000000000
IL_Chicago	60	.00000000000000	60	.00000000000000	60	.00000000000000
Austin	64	.00000000000000	61	.00000000000000	61	.00000000000000
Brandeis	68	.00000000000000	62	.00000000000000	62	.00000000000000
Cincinnati	61	.00000000000000	63	.00000000000000	63	.00000000000000
Purdue	63	.00000000000000	64	.00000000000000	64	.00000000000000
TX_Health_SA	62	.00000000000000	64	.00000000000000	64	.00000000000000
CT_Health	69	.00000000000000	66	.00000000000000	66	.00000000000000
Texas_AM	65	.00000000000000	66	.00000000000000	66	.00000000000000
Brown	77	.00000000000000	68	.00000000000000	68	.00000000000000
Georgia	66	.00000000000000	69	.00000000000000	69	.00000000000000
Health_Houston	70	.00000000000000	70	.00000000000000	70	.00000000000000
Michigan	67	.00000000000000	71	.00000000000000	71	.00000000000000
Oregon	79	.00000000000000	72	.00000000000000	72	.00000000000000
Virginia_Comm	72	.00000000000000	73	.00000000000000	73	.00000000000000
MD_Coll_Park	73	.00000000000000	74	.00000000000000	74	.00000000000000
WI_Med_Coll	71	.00000000000000	75	.00000000000000	75	.00000000000000
Santa_Cruz	74	.00000000000000	76	.00000000000000	76	.00000000000000
UC_Riverside	81	.00000000000000	77	.00000000000000	77	.00000000000000
Wake_Forest	76	.00000000000000	78	.00000000000000	78	.00000000000000

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MA_Amherst	80	.0000000000000000	79	.0000000000000000	79	.0000000000000000
Bloomington	75	.0000000000000000	80	.0000000000000000	81	.0000000000000000
Oregon_State	87	.0000000000000000	81	.0000000000000000	80	.0000000000000000
CO_State	78	.0000000000000000	82	.0000000000000000	82	.0000000000000000
Miami	82	.0000000000000000	83	.0000000000000000	83	.0000000000000000
Albuquerque	88	.0000000000000000	84	.0000000000000000	84	.0000000000000000
TN_Health	83	.0000000000000000	85	.0000000000000000	85	.0000000000000000
Raleigh	84	.0000000000000000	86	.0000000000000000	86	.0000000000000000
Georgia_Inst_Tech	86	.0000000000000000	87	.0000000000000000	87	.0000000000000000
Iowa_State	85	.0000000000000000	88	.0000000000000000	88	.0000000000000000
TN_Knoxville	90	.0000000000000000	89	.0000000000000000	89	.0000000000000000
Rice	89	.0000000000000000	90	.0000000000000000	90	.0000000000000000
Carnegie_Mellon	93	.0000000000000000	91	.0000000000000000	91	.0000000000000000
UCSB	91	.0000000000000000	92	.0000000000000000	92	.0000000000000000
SUNY_Albany	94	.0000000000000000	93	.0000000000000000	93	.0000000000000000
Lincoln	95	.0000000000000000	94	.0000000000000000	94	.0000000000000000
Florida_State	92	.0000000000000000	95	.0000000000000000	95	.0000000000000000
Rutgers_Newark	96	.0000000000000000	96	.0000000000000000	96	.0000000000000000
Manoa	99	.0000000000000000	97	.0000000000000000	97	.0000000000000000
CT_Storrs	98	.0000000000000000	98	.0000000000000000	99	.0000000000000000
Notre_Dame	97	.0000000000000000	98	.0000000000000000	98	.0000000000000000
George_Washington	102	.0000000000000000	100	.0000000000000000	100	.0000000000000000
AZ_Tempe	100	.0000000000000000	101	.0000000000000000	102	.0000000000000000
NE_Med	103	.0000000000000000	102	.0000000000000000	101	.0000000000000000
SUNY_Health_Brooklyn	101	.0000000000000000	103	.0000000000000000	103	.0000000000000000
Delaware	104	.0000000000000000	104	.0000000000000000	104	.0000000000000000
Rensselaer	105	.0000000000000000	105	.0000000000000000	105	.0000000000000000
Virginia_Tech	106	.0000000000000000	106	.0000000000000000	106	.0000000000000000
CUNY	107	.0000000000000000	107	.0000000000000000	107	.0000000000000000
George_Mason	107	.0000000000000000	107	.0000000000000000	107	.0000000000000000
Boston_Coll	109	.0000000000000000	109	.0000000000000000	109	.0000000000000000
So_Methodist	110	.0000000000000000	110	.0000000000000000	110	.0000000000000000
MA_Boston	111	.0000000000000000	111	.0000000000000000	111	.0000000000000000
Polytech_Brooklyn	112	.0000000000000000	112	.0000000000000000	112	.0000000000000000