

SUPPLEMENTAL MATERIAL

Supplemental Table 1: Demographics of R01-funded Principal Investigators

Supplemental Table 2: Gender and Degree-type Representation Among R01-funded Basic and Clinical Scientists

Supplemental Table 3: K Series Principal Investigator Demographics

Supplemental Table 1: Demographics of R01-funded Principal Investigators									
RO1 Year	Degree	PI Number/ Total MD & PhDs PIs (%)	PI Graduation Year					Medical/Graduate School Attended	
			Median year	Mean year	Median Years from medical or graduate school	Mean years from medical or graduate school \pm SD	% Graduation year recovery*	U.S. PI number/ total PI number with same degree (%)	International PI, number/total PI number with same degree (%)
1990	MD	161/223 (72%)	1969	1968	22	22 \pm 8.2	88%	107/148 (72%)	41/148 (28%)
	Non-MD	62/223 (28%)	1975	1972	16	19 \pm 8.4	74%	44/50 (88%)	6/50 (12%)
2005	MD	138/234 (59%)	1981	1980	24	25 \pm 7.6	86%	85/125 (68%)	40/125 (32%)
	Non-MD	96/234 (41%)	1987	1985	18	20 \pm 9.0	82%	65/83 (78%)	18/83 (22%)
2010	MD	234/389 (60%)	1983	1983	27	27 \pm 8.7	80%	133/223 (60%)	90/223 (40%)
	Non-MD	155/389 (40%)	1990	1989	20	20 \pm 8.5	68%	96/135 (71%)	39/135 (29%)
2015	MD	202/328 (62%)	1989	1988	26	27 \pm 9.5	93%	110/192 (57%)	82/192 (43%)
	Non-MD	126/328 (38%)	1994	1992	21	23 \pm 11	69%	74/113 (66%)	39/113 (35%)
2020	MD	209/355 (59%)	1990	1990	31	30 \pm 10	91%	118/205 (58%)	87/205 (42%)
	Non-MD	146/355 (41%)	2001	1998	19	22 \pm 10	78%	96/143 (67%)	47/143 (33%)

*% Graduation year recovery represents the percent of PIs for whom medical or graduate school graduation year could be determined; SD, standard deviation.

Supplemental Table 2: Gender and Degree-type Representation Among R01-funded Basic and Clinical Scientists								
RO1 Year	Degree	Basic Science	Clinical	PI Sex			Gender Representation Among Basic Scientists	
		Basic Science PI number/Total basic & clinical PI number with same degree type (%)	Clinical Science PI number/Total basic & clinical PI number with same degree type (%)	Male PI number/Total male & female PI number with same degree type (%)	Female PI number/Total male & female PI number with same degree type (%)	Number with unknown sex/Total with same degree (%)	Male PI number/Total male PIs in Basic & Clinical Sciences with same degree (%)	Female PI number/Total Women in Basic & Clinical Sciences with same degree (%)
1990	MD	140/160 (88%)	20/160 (13%)	148/161 (92%)	13/161 (8%)	0/161 (0%)	128/149 (86%)	12/13 (92%)
	Non-MD	54/57 (95%)	3/57 (5%)	48/62 (77%)	12/62 (19%)	2/62 (3%)	44/48 (92%)	9/12 (75%)
2005	MD	117/138 (85%)	21/138 (15%)	116/138 (84%)	21/138 (15%)	1/138 (1%)	100/116 (85%)	16/21 (76%)
	Non-MD	96/96 (100.0%)	0/96 (0.0%)	61/96 (64%)	33/96 (34%)	2/96 (2%)	61/61 (100%)	33/33 (100%)
2010	MD	179/234 (77%)	55/234 (24%)	194/234 (83%)	36/234 (15%)	4/234 (2%)	152/194 (78%)	24/36 (67%)
	Non-MD	142/155 (92%)	13/155 (8%)	109/155 (70%)	42/155 (27%)	4/155 (3%)	103/109 (95%)	35/42 (83%)
2015	MD	142/202 (70%)	60/202 (30%)	152/202 (75%)	48/202 (24%)	2/202 (1%)	113/152 (74%)	27/48 (56%)
	Non-MD	100/126 (85%)	18/126 (15%)	77/126 (65%)	39/126 (33%)	2/126 (2%)	69/81 (85%)	35/43 (81%)
2020	MD	154/209 (74%)	55/209 (26%)	155/209 (74%)	53/209 (25%)	1/209 (1%)	122/155 (79%)	31/53 (58%)
	Non-MD	138/146 (95%)	8/146 (6%)	94/146 (64%)	50/146 (34%)	2/146 (1%)	90/94 (95%)	47/50 (94%)

Supplemental Table 3: K Series Principal Investigator Demographics							
Year	Degree	Award Type			PI Sex		
		Total PI Number	Basic Basic science PI number (% with the same degree type)	Clinical Clinical science PI number (% with the same degree type)	Male PI Number (% with the same degree type)	Female PI Number (% with the same degree type)	Unknown PI Number (% with the same degree type)
2000	MD	34	26 (77%)	8 (24%)	18 (53%)	16 (47%)	0/34 (0%)
	Non-MD	4	4 (100%)	0 (0%)	2 (50%)	2 (50%)	0 (0%)
2005	MD	61	44 (72%)	17 (28%)	40 (66%)	20 (33%)	1/61 (5%)
	Non-MD	11	11 (100%)	0 (0.0%)	6 (55%)	4 (36%)	1 (9%)
2010	MD	83	47 (57%)	36 (43%)	53 (64%)	30 (36%)	0 (0.0%)
	Non-MD	28	27 (96%)	1 (4%)	14 (50%)	9 (32%)	5 (18%)
2015	MD	79	30 (38%)	49 (62%)	39 (49%)	40 (51%)	0 (0%)
	Non-MD	24	22 (92%)	2 (8%)	11 (46%)	9/24 (38%)	4 (17%)
2020	MD	62	31 (50%)	31 (50%)	31 (50%)	31 (50%)	0 (0%)
	Non-MD	17	17 (100%)	0(0%)	8 (47%)	9 (53%)	0 (0%)

For each of the conditions above, “% with the same degree type” was determined by expressing each number as a percent of the respective total PI number with the corresponding year and degree type given in Column 3.