

Supporting Information

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Table S1. Disciplinary distribution at each institution type

Institution type	<i>N</i>	%
PhD granting		
Biology	67	46.5
Chemistry	33	22.9
Geoscience	11	7.6
Physics	19	13.2
Other	14	9.7
Total	144	100
MS granting		
Biology	19	30.6
Chemistry	19	30.6
Geoscience	5	8.1
Physics	12	19.4
Other	7	11.3
Total	62	100
PUI		
Biology	22	34.4
Chemistry	15	23.4
Geoscience	7	10.9
Physics	9	14.1
Other	11	17.2
Total	64	100
Community college		
Biology	1	14.3
Chemistry	2	28.6
Geoscience	1	14.3
Physics	1	14.3
Other	2	28.6
Total	7	100
Other		
Biology	5	83.3
Chemistry	0	0.0
Geoscience	0	0.0
Physics	0	0.0
Other	1	16.7
Total	6	100

See *SI Appendix* for details.

Table S2. SFES at each type of institution who say they spend less, more, or about the same amount of their time for teaching activities or for scholarly activities as non-SFES colleagues in their department

Activities	PUI, % (no.)	MS, % (no.)	PhD, % (no.)	Total no.
Teaching activities				
Less	15.2 (10)	12.5 (8)	8.5 (12)	
Same	66.7 (44)	70.3 (45)	36.2 (51)	
More	18.2 (12)	17.2 (11)	55.3 (78)	
Total	100 (66)	100 (64)	100 (141)	271
Scholarly activities				
Less	22.7 (15)	24.2 (15)	48.2 (68)	
Same	56.1 (37)	46.8 (29)	40.4 (57)	
More	21.2 (14)	29.0 (18)	11.3 (16)	
Total	100 (66)	100 (62)	100 (141)	269

See *SI Appendix* for details.

Table S3. SFES at each type of institution who transitioned to or were hired as faculty who specifically specialize in science education beyond typical teaching duties

Faculty	PUI, % (no.)	MS, % (no.)	PhD, % (no.)	Total no.
Transitioned	59.6 (34)	31.4 (16)	33.9 (42)	
Hired	40.4 (23)	68.6 (35)	66.1 (82)	
Total	100 (57)	100 (51)	100 (124)	232

"Not sure" responses were excluded from analysis. See [SI Appendix](#) for details.

Table S4. SFES survey responses from each institution type at each rank

Rank	PUI, % (no.)	MS, % (no.)	PhD, % (no.)	Total no.
Instructor/lecturer	7.6 (5)	3.2 (2)	14.0 (20)	
Assistant	18.2 (12)	17.5 (11)	19.6 (28)	
Associate	33.3 (22)	33.3 (21)	32.9 (47)	
Full	34.9 (23)	41.3 (26)	17.5 (25)	
Other	6.1 (4)	4.8 (3)	16.1 (23)	
Total	100 (66)	100 (63)	100 (143)	272

See [SI Appendix](#) for details.

Table S5. SFES at each type of institution who are not tenure track versus tenure track

Status	PUI, % (no.)	MS, % (no.)	PhD, % (no.)	Total no.
Not tenure track	22.7 (15)	9.4 (6)	38.6 (56)	
Tenure track	77.3 (51)	90.6 (58)	61.4 (89)	
Total	100 (66)	100 (64)	100 (145)	275

Table S6. SFES at each type of institution who sought funding for science education research

Funding sought	PUI, % (no.)	MS, % (no.)	PhD, % (no.)
K–12 science education	36.4 (24)	56.3 (36)	38.6 (56)
Undergraduate science education	53.0 (35)	56.3 (36)	69.0 (100)
Science education research	59.1 (39)	81.3 (52)	84.1 (122)
Total	100 (64)	100 (64)	100 (145)

See [SI Appendix](#) for details.

Table S7. Successfully funded SFES with and without formal science education training at each type of institution

Formal science education training	Total, % (no.)	PUI, % (no.)	MS, % (no.)	PhD, % (no.)
Yes	68.7 (68)	62.5 (10)	62.9 (22)	75 (36)
No	63.9 (85)	48.5 (16)	69.6 (16)	68.8 (53)

See [SI Appendix](#) for details.

Table S8. Logistical regression analysis of 261 SFES regarding funding success in science education by IBM SPSS statistics (version 20)

Variable	β	SE β	Wald χ^2	df	P	Exp(β)
Constant	-4.002	0.754	28.200	1	< 0.001	0.018
Tenure track	0.843	0.354	5.685	1	0.017	2.323
Field*			2.857	4	0.582	
Chemistry	0.320	0.371	0.743	1	0.389	1.377
Geoscience	0.604	0.546	1.223	1	0.269	1.829
Other	0.301	0.509	0.349	1	0.554	1.351
Physics	0.663	0.451	2.156	1	0.142	1.940
Institution [†]			9.773	2	0.008	
MS	0.351	0.417	0.709	1	0.400	1.420
PhD	1.117	0.373	8.942	1	0.003	3.054
Applied for science education funding	2.776	0.636	19.035	1	< 0.001	16.054
Basic science research funding	0.921	0.402	5.238	1	0.022	2.511
Formal training in science education	0.324	0.315	1.064	1	0.302	1.383
Test						
Overall model evaluation						
Omnibus tests of model coefficients			68.157	10	< 0.001	
Goodness-of-fit test						
Hosmer and Lemeshow			7.871	8	0.446	

*Biology is the reference category for Field.

[†]PUI is the reference category for institution type. -2 Log likelihood = 286.54, Cox and Snell. $R^2 = 0.230$, Nagelkerke $R^2 = 0.309$. See [SI Appendix](#) for details.

Table S9. Observed and predicted frequencies for funding success in science education by logistic regression with the cutoff of 0.50

Observed	Predicted		% Correct
	Yes	No	
Yes	58	51	53.2
No	21	131	86.2
Overall % correct			72.4

See [SI Appendix](#) for details.

Other Supporting Information Files

[SI Appendix \(PDF\)](#)