

## Attachment 12:

BUILD Student Annual Follow-up Survey



#### **BUILD Student Annual Tracking Survey**

You have been selected to be a part of a national study on student experiences. Your university, <Name of institution>, is involved in a large effort funded by the National Institutes of Health (NIH) to support students and faculty in biomedical, behavioral, clinical, and social science fields. This effort, the NIH Diversity Consortium, is seeking to understand what programs and strategies benefit students interested in these careers to inform funding and programs. By taking time to complete this survey, you will help increase knowledge and improve education for the next generation of students

The University of California, Los Angeles (UCLA) will be collecting information about these programs. For some analyses, it will be important to compare students and faculty in biomedical majors at Name of institution to those at other institutions as well as students and faculty interested in other fields.

<Name of institution> has provided UCLA your name and contact information because you have participated in activities on your campus that are part of the NIH Diversity Consortium's work. All of the information you provide will be protected and secured to the extent permitted by law.

Public reporting burden for this collection of information is estimated to average 25 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to: NIH, Project Clearance Branch, 6705 Rockledge Drive, MSC 7974, Bethesda, MD 20892-7974, ATTN: PRA (0925-xxxx\*). Do not return the completed form to this address.

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#### A. Current position

Fir	st, we would like to ask you about any current school or work activities.
1.	Last year, you told us you were level at institution. Has that changed?
	O No
	O Yes and I am still in school
	Yes and I am not still in school
	a. Level:
	Undergraduate
	Graduate or other post-baccalaureate
	Expected completion date (year):
	b. Status:
	O Full Time
	O Part Time
	c. Institution:
	d. Major:
e.	Please tell us your current status
	I graduated from my previous institution
	O I did not graduate but do have plans to attend school in the next 2 years
	O I did not graduate and do NOT have plans to attend school in the next 2 years



2. Now we would like to ask you about any employment or internships. Last year, you told us you were at Has that changed?
○ No
○ Yes
a. Please review the list below and check all that apply.
☐ Working (including internships and significant volunteer positions)
Retired
☐ Unemployed, looking for work
Otherwise not in labor force
Other (specify):
b. Paid Employment (check all that apply):
Full Time
Part Time
☐ Internship or student placement
Seasonal (full-time or part-time)
■ No paid employment
c. Is this paid position related to research?
O No
O Yes
d. Is this new job/position considered a promotion or advancement?
○ No
O Yes
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e. Volunteer
Position:
Company:
No volunteer position
f. Is this volunteer position related to research?
○ No
Yes
3. During the past year, did you complete any degree or certificate program?
○ No
Yes
If yes, please indicate the following:
a. Degree / certificate: _
b. Major / area of study:
c. From which institution or school:
d. Date awarded: MM / YR
4. During the past year, did you apply to any degree or certificate program?
○ No
Yes
If yes, please indicate the following:
a. Degree / certificate the program awards:
b. Major / area of study:
c. Institution:
d. Date applied: MM / YR



e.	Status of application:
	Accepted and will attend
	Accepted and will not attend
	○ Waitlisted
	Pending
	Not accepted
5.	During the past year, did you receive any scholarships or grants for education expenses that you do not need to repay?
	O No
	O Yes
	If yes, please indicate the following:
=	a. Name of scholarship/grant:
	t. Name of Scholarship/ grane.
ŀ	o. Amount (total value including value of any fee/tuition waivers):
	Less than \$1,000
	\$1,000-4,999
	\$5,000-9,999
	\$10,000 or more
C	. Period of award: MM/YYYY to MM/YYYY
C	I. Was this award based on:
	○ Need
	○ Merit
	Need and Merit
	Other (specify):



6.	Do yo	ou have any education debt?
	$\bigcirc$	No
	$\bigcirc$	Yes
lf y	es, ple	ease indicate the following:
a.	Total	amount that you owe:
	0	Less than \$5,000
	0	\$5,000-9,999
	0	\$10,000-19,999
	0	\$20,000 or more
	0	I don't know how much I owe
b.	How m	nuch you borrowed during the past year:
	0	Less than \$1,000
	$\bigcirc$	\$1,000-4,999
	0	\$5,000-9,999
	$\bigcirc$	\$10,000 or more
7.	Please	attach your most recent academic vita (such as a CV)  Upload
		tell us which of the following activities you participated in since last time? all that apply.
		Other tuition or stipend program
		Other summer program (i.e. Summer Research Experience)
		Academic Advising and Support (i.e. tutoring, STEM advising, math courses, etc.)
		Mentoring
		Research training (i.e. workshops, training, field experience, conferences, etc.)
		Other career advancement programs (i.e. networking, Professional Exposure, GRE Prep, field trips, career panels, applications)



9. In the past year, have you participated in a pre-professional or departmental club?
O No
Yes
10. To allow us to follow your professional accomplishments, please provide any of the following identifiers that you may have:
a. ORCID
O I do not have one
b. NIH eRA Commons ID
O I do not have one
c. LinkedIn ID
O I do not have one
B. Mentoring  This next section concerns your experiences with mentoring in a variety of contexts.  A mentor is someone who provides guidance, assistance, and encouragement on professional and academic issues. A mentor can be either someone who is more experienced (or senior) than you or someone who is at a level similar to you (a "peer").  A mentee is someone who receives guidance or assistance from a mentor. A mentee can be someone less experienced (or junior) than you or someone who is your peer.  A mentoring relationship can be formal (with a set schedule and perhaps arranged by your institution) or informal.
11. Do you have a faculty member or someone else who is more senior than you who you consider a mentor?
○ No
Yes



a.	How many different mentors do you regularly work with?
b.	For the mentor you work with most closely (your primary mentor), please provide the following information:
	Position:
	Institution/ Company:
	Discipline:
c.	Which of the following does your primary mentor help you with? (choose all that apply)
	Research, general (e.g. guidance related to finding literature, research techniques, and selecting a research topic)
	Research, specialized issues (e.g. just on statistics or instrumentation)
	Educational choices and strategies (e.g., guidance in selecting coursework, further educational opportunities
	Career planning (e.g. giving advice, helping find opportunities)
	Emotional support (e.g. listening to personal concerns)
	Other (specify):
d.	How do you usually communicate with your primary mentor?
0	In-person
0	Phone/Skype
0	Email/Text
0	Other (specify):
e.	How often do you usually communicate with your primary mentor about your research?
0	Weekly or more often



	Monthly
	Several time a year
	Annually or less
f.	How did you find this mentor?
	Through your local campus
	They were assigned in some other way by your department or campus
	You were matched through the National Research Mentoring Network (NRMN)
	Matched through some other formal program
	O You sought out your mentor independently
	Other (specify):
E	Back Next Cancel



12.Please rate how skilled you feel your primary mentor was in the following areas:

, , ,	,								0		
	Not at all Extremely										
a. Active listening	<b>O</b> 1	02	0	3	0	4	0	5 🔘	60	7 🔘	N/A
b. Providing constructive feedback	<b>O</b> 1	02	0	3	0	4	0	5 🔘	60	7 🔘	N/A
c. Establishing a relationship based on trust	<b>O</b> 1	<b>0</b> 2	0	3	0	4	0	5 🔘	6 🔘	7 🔘	N/A
d. Identifying and accommodating different communication styles	<b>O</b> 1	O 2	0	3	0	4 (	0	5 🔘	60	7 🔘	N/A
e. Employing strategies to improve communication	<b>0</b> 1	O 2	0	3	0	4	0	5 🔘	60	7 🔿	N/A
f. Coordinating effectively with other mentors with whom you work with	<b>0</b> 1	<b>0</b> 2	0	3	0	4	0	5 🔘	6 🔘	7 🔘	N/A
g.Working with you to set clear expectations of the mentoring relationship	<b>O</b> 1	<b>0</b> 2	0	3	0	4	0	5 🔘	6 🔘	7 🔘	N/A
h. Aligning his/her expectations with your own	<b>0</b> 1	02	0	3	0	4	0	5 🔘	60	7 🔘	N/A
i. Considering how personal and professional differences may impact expectations	<b>0</b> 1	<b>0</b> 2	0	3	0	4	0	5 🔘	6 🔘	7 🔘	N/A
j.Working with you to set research goals	01	02	0	3	0	4	0	5 🔘	60	7 🔘	N/A
k. Helping you develop strategies to meet goals	<b>O</b> 1	<b>O</b> 2	0	3	0	4	0	5 🔘	60	7 🔘	N/A
I. Accurately estimating your level of scientific knowledge	01	O 2	0	3	0	4	0	5 🔘	60	7 0	N/A
m. Accurately estimating your ability to conduct research	01	O 2	0	3	0	4	0	5 0	60	7 0	N/A
n. Employing strategies to enhance your understanding of the research	<b>0</b> 1	<b>0</b> 2	0	3	0	4	0	5 🔘	6 🔘	7 🔘	N/A
o. Motivating you	01	02	0	3	0	4	0	5 🔘	60	7 🔍	N/A
p. Building your confidence	<b>0</b> 1	<b>0</b> 2	0	3	0	4	0	5 🔘	6 🔘	7 🔘	N/A
q. Stimulating your creativity	<b>0</b> 1	<b>0</b> 2	0	3	0	4	0	5 🔘	6 🔘	7 🔘	N/A
r Acknowledging your professional contributions	<b>0</b> 1	O 2	0	3	0	4	0	5 🔘	6 🔘	7 🔿	N/A
s. Negotiating a path to professional independence with you	<b>0</b> 1	<b>0</b> 2	0	3	0	4	0	5 🔘	6 🔘	7 🔘	N/A
t. Taking into account the biases and prejudices s/he brings to your mentor/mentee relationship	<b>O</b> 1	O 2	0	3	0	4	0	5 🔘	6 0	7 🔍	N/A



u. Working effectively with mentees whose personal background is different from his/her 01 02 0 3 0 4 0 5 0 6 0 7 0 N/A own (age, race, gender, class, region, culture, religion, family composition etc.) v. Helping you network effectively 01 02 0 3 0 4 0 5 0 6 0 7 0 N/A w. Helping you set career goals 01 02 0 3 0 4 0 5 0 6 0 7 0 N/A x. Helping you balance work with your 01 02 03 04 05 06 07 N/A personal life y. Understanding his/her impact as a role 01 02 03 04 05 06 07 N/A model for you z. Helping you acquire resources 01 02 0 3 0 4 0 5 0 6 0 7 0 N/A

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#### 13. Please respond to the following statements about your primary mentor.

My mentor did not do this	My mentor tried to do this but was ineffective	My mentor did this sometimes and was effective	My mentor did this frequently, and was effective
<b>O</b> 1	O 2	<b>3</b>	O 4
O <sub>1</sub>	O 2	Оз	O 4
<b>O</b> 1	O 2	O 3	O 4
01	O 2	O 3	O 4
<b>1</b>	O 2	<b>3</b>	O 4
<b>1</b>	O 2	<b>3</b>	<b>4</b>
<b>O</b> 1	O 2	O 3	O 4
<b>0</b> 1	O 2	<b>3</b>	O 4
<b>O</b> 1	O 2	O 3	O 4
<b>1</b>	O 2	O 3	<b>O</b> 4
<b>O</b> 1	O 2	O 3	O 4
O <sub>1</sub>	O 2	Оз	O 4
<b>1</b>	O 2	O 3	<b>0</b> 4
<b>O</b> 1	O 2	O 3	O 4
<b>O</b> 1	O 2	<b>3</b>	O 4
<b>O</b> 1	O 2	O 3	O 4
<b>O</b> 1	O 2	<b>3</b>	<b>O</b> 4
	did not do this       01	Investment of this but was ineffective       1     2	My mentor did not do this         Invited to do this but was ineffective         did this sometimes and was effective           1         2         3           2         3         3           3         3         3           3         3         3           3         3         3



r. My mentor helped me feel curious about my project.	<b>1</b>	O 2	O 3	O 4
s. My mentor treated me as a colleague.	O 1	0 2	O 3	0 4
t. My mentor helped me decide on a career path.	O <sub>1</sub>	0 2	О з	O 4
u. My mentor communicated his/her expectations of me.	<b>1</b>	O 2	O 3	0 4
v. My mentor respected my goals.	<b>1</b>	O 2	3	O 4
w. My mentor allowed me to take ownership in my research.	O <sub>1</sub>	O 2	О з	O 4
x. My mentor created an environment where I felt safe to make mistakes.	0 1	0 2	O 3	0 4
y. My mentor made me feel included in the lab.	O 1	O 2	О з	O 4
z. My mentor regularly assessed skills and knowledge that I gained in the lab.	O 1	O 2	3	0 4

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14.	In your mentoring relationship,	how	important	is it	to you	ı that	your	primary	mentor	does
the	following:									

	Not Important	Somewhat Important	Very Important
a. Is willing to discuss diversity	0 1	O 2	O 3
b. Considers their own cultural background, as well as yours	O 1	O 2	O 3
c. Values and respects cultural differences	<b>O</b> 1	O 2	<b>3</b>

15. In your mentoring relationship, how skilled is your primary mentor in the following:

	Not Skilled	Somewhat Skilled	Very Skilled
a. Discussing diversity	<b>0</b> 1	<u>2</u>	<b>3</b>
b. Considers their own cultural background, as well as yours	<b>O</b> 1	<b>2</b>	<b>3</b>
c. Values and respects cultural differences	<b>O</b> 1	<b>O</b> 2	<b>3</b>

16a. How would you rate the overall quality of the mentoring you received from your primary mentor?

Very	Very Low Average				Very High				
<b>1</b>	O 2	<b>3</b>	<b>0</b> 4	O 5	<b>6</b>	<b>7</b>			

16b. How satisfied are you with the mentoring you are receiving from your primary mentor?

Very	Very Low Average Very High						
<b>O</b> 1	<b>0</b> 2	<b>3</b>	<b>0</b> 4	O 5	<b>6</b>	<b>O</b> 7	

17. To what extent do you feel your primary mentor is meeting your expectations?

Very I	Low	Average				y High
<b>1</b>	O 2	<b>3</b>	<b>4</b>	O 5	<b>6</b>	<b>7</b>



		you have someone at a similar educational level as you (i.e. a peer) who you consider demic/career mentor?
	0	No
	0	Yes
a.	Нον	w many different peer mentors do you have?
b.	Wh	ich of the following do your peer mentors help you with? (Choose all that apply)
		Research issues
		Social and emotional needs (e.g. sharing concerns about school)
		Tangible help (e.g. advice about faculty and classes, help with writing)
		Networking assistance (e.g. helping you meet other people in your field)
		Career planning (e.g. giving advice, helping find opportunities)
		Other (specify):
c.	How	do you usually communicate with your primary peer mentor?
	0	In-person
	0	Phone/Skype
	0	Email/Text
	0	Other (specify):
d.	Ηον	w often do you usually communicate with your primary peer mentor?
	0	Weekly
	0	Montly
	0	Several times a year
	0	Annually or less
e.	Hov	v did you find this mentor?
	0	Through your local campus name for BUILD
	0	They were assigned in some other way by your department or campus
	0	You were matched through the National Research Mentoring Network (NRMN)
	0	Matched through some other formal program



You sought out your mentor independently
Other (specify):
19. Do you have anyone who you currently mentor about academic issues who is junior to you?
O No
○ Yes
a. How many different people to your regularly mentor currently?
b. At what education level are the people you mentor? (Choose all that apply)
College students
High school students
Middle or elementary school students
c. Which of the following do help your mentees with? (Choose all that apply)
Research issues
Social and emotional needs (e.g. sharing concerns about school)
☐ Tangible help (e.g. advise about faculty and classes, help with writing)
■ Networking assistance (e.g. helping you meet other people in your field)
Career planning (e.g. giving advice, helping find opportunities)
Other (specify):
d. How do you communicate with your mentees?
○ In-person
Phone/Skype
C Email/Text
Other (specify):



e. On average, how often do you usually communicate with your mentees?
Weekly or more often
○ Monthly
O Several times a year
Annually or less
f. How did you first connect with your mentees? (Choose all that apply)
☐ Through local campus program for BUILD
☐ They were assigned in some other way by your department or campus
You were matched through the National Research Mentoring Network) (NRMN)
■ Matched through some other formal program
■ They sought you out independently
Other (specify):
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# 20. Please rate how skilled you feel you are in each of the following areas when mentoring those junior to you:

	N	ot a	t all								Ext	trer	nely	
a. Active listening	0	1 0	2	0	3	0	4	0	5 (	0	6	0	70	N/A
b. Providing constructive feedback	0	1 0	2	0	3	0	4	0	5 (	0	6	0	70	N/A
c. Establishing a relationship based on trust	0	1 0	2	0	3	0	4	0	5 (	0	6	0	70	N/A
d. Identifying and accommodating different communication styles	0	1 0	2	0	3	0	4	0	5 (	0	6	0	70	N/A
e. Employing strategies to improve communication with mentees	0	1 0	2	0	3	0	4	0	5 (	0	6	0	70	N/A
f. Coordinating effectively with your mentees' other mentors	0	1	2	0	3	0	4	0	5	0	6	0	70	N/A
g. Working with mentees to set clear expectations of the mentoring relationship	0	1 0	2	0	3	0	4	0	5	0	6	0	70	N/A
h. Aligning your expectations with your mentees'	0	1 0	2	0	3	0	4	0	5 (	0	6	0	70	N/A
i. Considering how personal and professional differences may impact expectations	0	1 0	2	0	3	0	4	0	5 (	0	6	0	70	N/A
j.Working with mentees to set research goals	0	1 0	2	0	3	0	4	0	5 (	0	6	0	70	N/A
k. Helping mentees develop strategies to meet goals	0	1 0	2	0	3	0	4	0	5 (	0	6	0	70	N/A
I. Accurately estimating your mentees' level of scientific knowledge	0	1 0	2	0	3	0	4	0	5 (	0	6	0	70	N/A
m. Accurately estimating your mentees' ability to conduct research	0	1 0	2	0	3	0	4	0	5 (	0	6	0	70	N/A
n. Employing strategies to enhance your mentees' knowledge and abilities	0	1 0	2	0	3	0	4	0	5 (	0	6	0	70	N/A
o. Motivating your mentees'	0	1 0	2	0	3	0	4	0	5 (	0	6	0	70	N/A
p. Building mentees' confidence	0	1 0	2	0	3	0	4	0	5 (	0	6	0	70	N/A
q. Stimulating your mentees' creativity	0	1 0	2	0	3	0	4	0	5 (	0	6	0	70	N/A
r. Acknowledging your mentees' professional contributions	0	1 0	2	0	3	0	4	0	5 (	0	6	0	70	N/A
s. Negotiating a path to professional independence with your mentees	0	1 0	2	0	3	0	4	0	5 (	0	6	0	70	N/A
t. Taking into account the biases and prejudices you bring to the mentor/mentee relationship	0	1 0	2	0	3	0	4	0	5 (	0	6	0	70	N/A
u. Working effectively with mentees whose personal background is different from your own (age, race, gender, class, region, culture, religion, family composition etc.)	0	1 0	2	0	3	0	4	0	5 (	0	6	0	70	N/A
v. Helping your mentees network effectively	0	1 0	2	0	3	0	4	0	5 (	0	6	0	70	N/A
w. Helping your mentees set career goals	0	1 0	2	0	3	0	4	0	5 (	0	6	0	70	N/A



x. Helping your mentees balance work with their personal life	01	02	<b>3</b>	0 4	<b>o</b> 5	0 6	0 70	N/A
y. Understanding your impact as a role model before your research experience	0 1	0 2	<b>O</b> 3	0 4	O 5	<b>o</b> 6	0 70	N/A
z. Helping your mentees acquire resources	0 1	0 2	<b>O</b> 3	0 4	O 5	O 6	0 70	N/A



21. In your mentoring relationship, how important is it to you that YOU do the following:

	Not Important	Somewhat Important	Very Important
a. Be willing to discuss diversity issues	0 1	0 2	O 3
b. Consider their own cultural background and your own	0 1	0 2	0 3
c. Value and respect cultural differences	0 1	0 2	0 3

	Not Skilled	Somewhat Skilled	Very Skilled
a. Discussing diversity	<b>o</b> 1	0 2	<b>o</b> 3
b. Considering their own cultural background, as well as yours	0 1	0 2	0 3
c. Valuing and respecting cultural differences	0 1	O 2	O 3

22d. How satisfied are you with the mentoring you are providing to your mentees?

Very Low				Average			Very High		
0	1	0	2	0	3	0 4	<b>5</b>	<b>6</b>	<b>0</b> 7

23. Do you have anyone who you currently mentor on academic/career issues who is at a similar level to yours (a peer)?
O No
O Yes
a. How many different people do your regularly mentor currently?
b. Which of the following do help your mentees with? (Choose all that apply)
Research issues
Social and emotional needs (e.g. sharing concerns about school)
☐ Tangible help (e.g. advise about faculty and classes, help with writing)



■ Networking assistance (e.g. helping you meet other people in your field)
Career planning (e.g. giving advice, helping find opportunities)
Other (specify):
c. How do usually communicate with your peer mentees?
○ In-person
O Phone/Skype
Other (specify):
d. On average, how often do you usually communicate with your peer mentees?
O Weekly or more often
○ Monthly
Several times a year
Annually or less
e. How did you first connect with your mentees? (Choose all that apply)
☐ Through local campus program for BUILD
☐ They were assigned in some other way by your department or campus
☐ You were matched through the National Research Mentoring Network (NRMN)
☐ Matched through some other formal program
☐ They sought you out independently
Other (specify):



C. Research and Grants
24. Have you had any opportunity to conduct your own scientific research or to participate in scientific research directed by others in the past year?
○ No
Yes
25. Please check all research activities you participated in last year (Choose all that apply)
Hands-on research activities with laboratory equipment in a class
-Worked in a laboratory in a college/university
-Worked on research in a non-academic location
-Designed your own research experience
-Conducted research that had an unknown outcome
-Contributed to research that advanced knowledge (even if it was a very small advancement)
-None of the above
26.
Since you started college, have you applied for or received funding to support your own research? Please do not include fellowships or scholarships that primarily pay for tuition, fees, or living expenses. Also, please do not include service projects unless they include a research component.
O No
O Yes



Selow is	s a list of all research funding support you have provided to us in the past.
ist (eitl	ou applied for any additional funding to support your own research that is not on the ner as the lead investigator, with a faculty advisor as the lead, or for a other paid OR has the status of previous submissions changed?
0	No
0	Yes
	se complete or update information for each grant or proposal: ding Agency Type:
0	Your university
	Federal agency (e.g. NIH, NSF)
	Nonfederal governmental
	Nonprofit (e.g. foundations)
	For-profit
0	Other (specify):
b. [If I	NIH or Other Federal] Full grant number if available
c. Age	ncy/Foundation/Company Name:
d. Rol	e:
0	Principal Investigator
0	Co-Principal Investigator
0	Investigator
0	Other (specify):



e.	Submission status:
	Submitted
	Re-submitted with revisions
	Not funded
	NIH Impact score (if applicable):
	Funded
	NIH Impact score (if applicable):
f.	Project Title: _
g.	Amount (total across all years):
	Less than \$50,000
	\$50,000-\$99,999
	\$100,000-\$249,999
	\$250,000-\$499,999
	\$500,000 or more
h.	Start Date (e.g., 07/08/2015) / / /
i.	End Date (e.g., 07/08/2016)
j.	What was the main purpose of the funding?
	Research
	Training of others (e.g., students, peers, workforce)
	Your career development
	Other (specify):



28.	Have	you conducted research that is not funded by the grants listed above?
		No
		Yes
a.	Wha	t type of research was this?
		Literature review, synthesis of existing knowledge, and/or conceptual
	$\bigcirc$	Analysis of existing (secondary) data
	$\bigcirc$	Analysis of data you collect (primary analysis)
b. \	What	was the research for?
	$\bigcirc$	A class or degree requirement
	$\bigcirc$	Part of a paid job (e.g. research assistant), internship, or training program
	$\bigcirc$	Related to your role as an independent researcher
c. \	What	was your role?
		Project Lead on my own project
		Working on someone else's student-led project
	$\bigcirc$	Working on a faculty member-led project
	$\bigcirc$	Other (Specify):



29. Do you have any peer-reviewed publications accepted, in-press, or published in the past year?
<ul><li>No</li><li>Yes</li></ul>
Below is a list of publications you have provided to us in the past.
Do you have any peer-reviewed publications that you have had accepted to add to this list?  No  Yes
If yes, please answer the following questions:
a. PMID #:  b. List all authors (Last FM, comma separated):
f. Volume:
g. Issue:
h. Page Numbers:
i. DOI or URL for epubs:



30. Are there other scientific publications (e.g. book chapters, books, reports, non-peer reviewed journal articles, working papers, other) to add to this list?
O No
○ Yes
a. Publication Type:
○ Chapter
○ Book
Other, specify:
b. List all Authors (Last FM, comma separated):,,,
Complete the applicable information below depending on publication type:
c. Book/Anthology Title:
d. Chapter Title :
e. [If Chapter] Editors:
f. Year Published:
g. Edition:
h. Publisher:
i. City:
j. State:
k. [If Book or Chapter] Page Numbers:
l. DOI or URL for epubs:
31. Have you presented at a scientific conference in the last year (including posters)?
○ No
O Yes
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32. Have you ever participated in technology transfer activities (including issued patents, completed licenses, and drug, device, or diagnostic approvals)?  No  Yes
Below is a list of technology transfer activities (including issued patents, completed licenses, and drug, device, or diagnostic approvals you have provided to us in the past.
Please review the list. Are there any to add to this list?
<ul><li>○ No</li><li>○ Yes</li></ul>
<ul> <li>a. Please enter a title and brief description for each Technology Activity:</li> <li>New patent issued</li> <li>License completed</li> <li>Drug, device, or diagnostic received regulatory approval</li> <li>Result of basic research commercialized</li> <li>Other (specify):</li> </ul>
b. Please provide a brief description:



33.	Have you received any honors or awards in the past year?
0	No
0	Yes
	If yes, please provide the name/ title of the honors or awards you've received:
34.	Have you held office in any pre-professional or profession organization in the past year?
C	) No
C	) Yes
	If yes, please list any offices you have held in pre-professional or professional organizations in the past year:
	-
	Have you provided service to any federal agencies (e.g. reviewer for NIH/NSF/CDC or ilar proposals, member of federal agency advisory council, etc.) in the past year?
0	No
0	Yes
	If yes, please list any service to federal agencies you have performed in the past year:
	Have you provided service to any non-federal agencies such as state agencies or adations in the past year?
0	No
0	Yes
	If yes, please list any service to non-federal agencies you have performed in the past year:
	-





- D. Student Psychological Outcomes
- 37. Indicate the importance to you personally of each of the following:

		Essential	Very Important	Somewhat Important	Not Important
a.	Obtaining recognition from colleagues for contributions to my special field.	O 1	O 2	<b>3</b>	<b>O</b> 4
b.	Making a theoretical contribution to science.	O 1	O 2	O 3	O 4
C.	Becoming an authority in my field.	O 1	O 2	<b>3</b>	O 4

38. Indicate to what extent the following statements are true of you:

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
a. I have a strong sense of belonging to the community of scientists	O 1	O 2	<b>3</b>	O 4	<b>O</b> 5
b. I derive great personal satisfaction from working on a team that is doing important research	<u> </u>	<b>2</b>	3	<b>4</b>	<b>5</b>
c. I have come to think of myself as a 'scientist'	O 1	O 2	<b>3</b>	O 4	<b>O</b> 5
d. I feel like I belong in the field of science	O 1	O 2	<b>3</b>	O 4	<b>O</b> 5



39. Indicate to what extent you are confident that you can complete the following tasks:

		Not at all confident	A little confident	Somewhat Confident	Very Confident	Absolutely Confident
a.	Use technical science skills (use of tools, instruments, and/or techniques)	<b>O</b> 1	O 2	<b>3</b>	<b>O</b> 4	<b>0</b> 5
b.	Generate a research question to answer	<b>1</b>	O 2	<b>3</b>	<b>O</b> 4	<b>O</b> 5
c.	Figure out what data/observations to collect and how to collect them	<b>O</b> 1	O 2	O 3	<b>O</b> 4	<b>O</b> 5
d.	Create explanations for the result of the study	<b>O</b> 1	O 2	O 3	O 4	O 5
e.	Use scientific literature and/or reports to guide research	<b>O</b> 1	O 2	O 3	O 4	O 5
f.	Develop theories (integrate and coordinate results from multiple studies)	O 1	O 2	O 3	O 4	O 5

40. Rate yourself on each of the following traits as compared with the average person your age. We want the most accurate estimate of how you see yourself. (Mark one in each row)

	Highest 10%	Above Average	Average	Below Average	Lowest 10%
Academic ability	0	0	0	0	0
Drive to achieve	0	0	0	0	0
Mathematical ability	0	0	0	0	0
Self-confidence (intellectual)	0	0	0	0	0

Self-confidence (intellectual)	0	0	0	0	0	
41. Will you pursue a science-related research career?						
O Definitely yes						
O Possibly yes						
O Uncertain						
O Possibly no						
O Definitely no						



42. Since we last contacted you, have you participated in any training to improve your skills as a mentor or as a mentee?
○ No
Yes
a. Type of training (Select all that apply)
■ In-person
On-line that occurs in scheduled, real-time (synchronous)
On-line or other virtual that you can take at any time that provides feedback or interaction with others (asynchronous
Self-study (by any means, but no interaction or feedback)
b. Approximately how many hours was your training over the past year? hours
43. Have you completed formal training/workshops related to your career or research (minimum of at least 4 hours duration)?
No
Yes
If yes, please indicate the focus of the training:
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		Yes	No
a.	On NIH funding?	0	0
b.	On other funding?	0	0
C.	On biomedical career development (e.g., training in leadership, teaching, mentoring, publishing, gaining tenure, etc.)?	0	0
d.	On other biomedical research related topics?	0	0

### 45. Please indicate "Yes" or "No" for each of the following:

	Yes	No
a. Are you deaf or do you have serious difficulty hearing?	0	0
b. Are you blind or do you have serious difficulty seeing, even when wearing glasses?	0	0
c. Because of a physical, mental, or emotional condition, do you have serious difficulty concentrating, remembering, or making decisions?	0	0
d. Do you have serious difficulty walking or climbing stairs?	0	0
e. Do you have difficulty dressing or bathing?	0	0
f. Because of a physical, mental, or emotional condition, do you have difficulty doing errands alone such as visiting a doctor's office or shopping?	0	0



46. Are you	ı Hispanic, Latino/a, or Spanish Origin?
0	No
0	Yes
47. What is	your race? Check all that apply
	White
	Black or African American
	American Indian or Alaska Native
	Asian Indian
	Chinese
	Filipino
	Japanese
	Vietnamese
	Other Asian
	Native Hawaiian
	Guamanian or Chamorro
	Samoan
	Other Pacific Islander