

# Follow-up survey

## Long Term Impact of Undergraduate Research

**Please enter your name or program identifier:**

Name or identifier \_\_\_\_\_

**Please indicate the college or university where you are regularly enrolled:**

Institution \_\_\_\_\_

**Did you carry out your research at the college or university where you are regularly enrolled?**

- Yes
- No

**If you answered "No", please indicate the institution, location, or laboratory where you carried out your research:**

Research institution \_\_\_\_\_

**Gender:**

- Male
- Female
- Prefer not to answer

**Ethnicity:**

- Alaskan Native
- American Indian
- Asian American
- Black or African American
- Filipino
- Foreign National
- Hawaiian
- Hispanic/Latino
- Pacific Islander
- White
- Two or more races
- Other
- Prefer not to answer

**Anticipated or year of graduation**

Year of graduation \_\_\_\_\_

**What is your academic major (best fit):**

- Biology
- Chemistry
- Physics
- Earth & Planetary Sciences
- Math
- Computer Science
- Biochemistry
- Bioinformatics
- Psychology
- Neurobiology
- Engineering
- Education
- Other: Social Sciences
- Other: Humanities
- Other: Natural Sciences
- Other
- Undecided
- Not applicable / Prefer not to answer

**What is your field of research (best fit)?**

- Biology
- Chemistry
- Physics
- Earth & Planetary Sciences
- Math
- Computer Science
- Biochemistry
- Bioinformatics
- Psychology
- Neurobiology
- Engineering
- Education
- Other: Social Sciences
- Other: Humanities
- Other: Natural Sciences
- Other
- Undecided
- Not applicable / Prefer not to answer

**How long ago did you have your research experience?**

- Less than 6 months
- 6 to 12 months
- 1 to 2 years
- Over 2 years

**Had you participated in prior research?**

- No. I have not had a prior research experience.
- Yes, during one academic year (typically ~10 hr/week for a least one semester).
- Yes, during a prior summer (typically full time for at least six weeks).
- Yes, during a prior academic year and a summer.
- Yes, during prior years and/or several summers.

Now that you have had time to consider, please evaluate your future again. **Do you have plans to continue your education beyond your undergraduate degree?** Please check the most likely plan.

- My goal is to go to graduate school for a Ph.D. degree in a biology-related field.
- My goal is to go to graduate school for a Ph.D. degree in the physical sciences (including engineering, math, and computer science).
- My goal is to go to graduate school for an MA in the life sciences.
- My goal is to go to graduate school for an MA in the physical sciences (including math, engineering, computer science, etc.).
- My goal is to go to graduate school for an MA or Ph.D. degree in a field other than science.
- My goal is to go to medical school for an M.D. degree.
- My goal is to go to school for an M.D./Ph.D.
- My goal is to go to school for other health professions.
- My goal is to go to school for a professional degree such as law or business.
- My goal is to teach or to go to school to obtain a teaching certification.
- My goal is to join the Peace Corps, Teach for America, or similar organization.
- My goal is to work, then go to school for my M.D., Ph.D., or other professional degree.
- I plan to work in a science related career without going to school after college.
- I plan to work in a non-science career without going to school after college.
- Not applicable / Prefer not to answer.

**This question is about how your research experience influenced your plan for postgraduate education. Please choose one.**

- I had a plan for postgraduate education before I began this research project and the plan has not changed.
- I was considering postgraduate education and my research experience has confirmed this choice.
- I had no plan for postgraduate education, but my research experience has changed my mind.
- Now I plan to continue my education in science.
- I had a plan for postgraduate education in science, but my research experience has convinced me that this is not what I want.
- I had no plans for postgraduate education before I started the research project, and I have not changed my mind.
- Prefer not answer

**Was your experience a summer research experience?**

- Yes
- No

**How long did you continue to work on your summer project?**

- It was completed during the summer
- One semester (or quarter, etc)
- Two semesters
- Other \_\_\_\_\_

**Now that time has passed, how do you reflect on summer research as a learning experience (use the scale below).**

- Summer in the lab was a waste of time for me- I didn't learn much.
- Well, it was better than working just for a salary, but I don't think I learned a lot.
- I feel neutral about it- there are definitely good things, but also not so good things about a summer in the lab.
- I had a good time, I learned a lot, I'd do it again. The summer was fantastic!
- In my mind, this is the way to learn what science is about.
- Not applicable / Prefer not to answer.

Research projects often lead to an opportunity for communication. Here is a list of the ways research may be communicated. **Please check the kinds of communication in which you participated.**

- An academic paper read by your research mentor, including variations such as an honors thesis or senior project.
- A poster presentation on campus.
- A poster presentation off campus, for example, at a conference or professional meeting.
- A talk or colloquium on campus.
- A talk or colloquium off campus, for example, at a conference or professional meeting.
- A manuscript intended for a professional journal or on-line journal.
- A manuscript intended as a technical report to be read by other researchers in this area.
- A manuscript intended for a student-only scientific journal.
- A performance or demonstration.
- A web site or an Internet presentation.
- None of the above.

**Since working in a department for your research experience, have you taken courses in the same department?**

- Yes
- No

**Do you feel that your research experience affected your behavior in these courses?**

- Yes
- No

## Behavior

To what extent do you consider the following to be ways in which your behavior has changed?

### Change in behavior

	No change	Small change	Moderate change	Large change	Very large change
I feel that I have become better able to think independently and formulate my own ideas.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel that I have become more intrinsically motivated to learn.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel that I have become a more active learner.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



## Comments

**Please tell us in a few sentences what was most important to you about your research experience.**

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