

## Student Researcher Assessment



1. What was your Program at your institution?
  - a. Biology Program
  - b. Engineering Program
  - c. Biotechnology Program
  - d. Chemistry Program
  - e. Other \_\_\_\_\_
  
2. What was your academic status last semester?
  - a. Freshman (1<sup>st</sup>)
  - b. Sophomore (2<sup>nd</sup>)
  - c. Junior (3<sup>rd</sup>)
  - d. Senior (4<sup>th</sup> or more)
  - e. RUM Ph.D. Program (graduate student)
  
3. What is your academic status this semester?
  - a. Continue as an undergraduate at RUM
  - b. Continue as a RUM graduate student
  - c. Entered graduate program at RUM
  - d. In a Professional School (Medical, Dental, Pharmacy, etc.)
  - e. In an off campus graduate program (masters or Ph.D. program )
  - f. In an MD/Ph.D. Program
  - g. Other (Specify) \_\_\_\_\_

If answered off campus graduate program (MS, Ph.D. or MD/Ph.D.) Please indicate degree and institution:

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4. Where will you be next semester?
  - a. Continue as an undergraduate at RUM
  - b. Continue as a RUM graduate student
  - c. Will Enter graduate program at RUM
  - d. Will enter a Professional School (Medical, Dental, Pharmacy, etc.)
  - e. Will be in an off campus graduate program (masters or Ph.D. program )
  - f. Will be in an MD/Ph.D. Program
  - g. Other (Specify) \_\_\_\_\_

If answered off campus graduate program (MS, Ph.D. or MD/Ph.D.) please indicate degree and institution:

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5. How long have you worked in the research lab?
  - a. One semester
  - b. Two semesters
  - c. Three semesters
  - d. More than 3 semesters

6. Approximately how many hours per week did you work in your project?

- a. 5-10 hours per week
- b. 10-20 hours per week
- c. More than 20 hours per week

7. How often did your research team meet?

- a. Once a week
- b. Once a month
- c. Once a semester
- d. Other \_\_\_\_\_

8. Did the mentor spend time with you one on one discussing your career path (career counseling)?

- a. Yes
- b. No

<b>9. The research experience required that you:</b>	<b>Yes</b>	<b>No</b>
Work individually in your project		
Attend lab meetings		
Meet with your research team as a group		
Submit progress reports or portfolio		
Present orally in lab meetings		
Present orally out of lab (Ex. symposium, national conference)		
Have individual meetings with your research advisor		
Help undergraduates in their project		
Help graduate students in their project		
Be helped by undergraduates in your project		
Be helped by graduate students in your project		
Attend a scientific meeting		

<b>10. How <u>MUCH</u> did each of the following help you in your project?</b>	<b>Very Much</b>	<b>Some</b>	<b>Not at all</b>
Faculty mentor			
Graduate students			
Undergraduate students			
Lab technician (s)			

<b>11. Your research team:</b>	<b>Strongly agree</b>	<b>Agree</b>	<b>Disagree</b>
Included members with different expertise within the same field			
Gave you continuous guidance and support			
Helped you built your confidence in doing research			
Motivated you to be a better researcher			
Motivated you to progress in your project			
Allowed you to learn from others			
Allowed you to teach others			
Allowed for consulting peers before consulting your faculty mentor			
Allowed for doing research as in in real life (many working together to solve a problem)			

12. Where did you present your **research results** this **PAST YEAR?** (Mark all that apply)

- Did not present
- Coauthored or presented at the Biology Department 2016 Undergraduate Research Symposium
- Coauthored or presented off campus
- Published or collaborated in a publication

If you published or presented off campus, please indicate title and where \_\_\_\_\_

13. Rate your overall satisfaction with this research experience:

- Excellent     Good     Poor

14. My participation in the research experience:	Strongly agree	Agree	Disagree
Built my confidence as a researcher			
Developed my critical thinking and problem solving skills			
Taught me up to date research tools and techniques			
Made me an independent researcher			
Developed my mentoring skills			
Developed my team work skills (working with others to solve a problem)			
Developed my quantitative reasoning skills			
Allowed me to network with others			
Taught me effective literature search skills			
Allowed me to better understand scientific articles			
Motivated me to search for other research experiences			
Made me aware of what it is to be a graduate student and have a research career			

15. How could this research experience be improved? \_\_\_\_\_

16. What was your career plan as a freshman?

- a. Wanted to go to Medical School/ Pharmacy/ Dentistry/ Veterinary School
- b. Wanted to pursue a Ph.D.
- c. Wanted to pursue a Masters (MS)
- d. Wanted to pursue an MD/Ph.D.
- e. Other (Specify) \_\_\_\_\_
- f. Undecided

17. What is your career plan now?

- a. Want to go to a professional School (ex Medical School/ Pharmacy/ Dentistry/ Veterinary School)
- b. Want to pursue a Ph.D.
- c. Want to pursue a Masters (MS)
- d. Want to pursue an MD/Ph.D.
- e. Other (Specify) \_\_\_\_\_
- f. Still Undecided

18. Please explain further if the HHMI biology research experience made you change your career plans?

19. (**ALL students**) How was the **research experience** and **research team** different to other research teams and experiences you have worked in (example: summer program, graduate school)? What would you say makes this research team unique and different (and maybe better) from a summer program experience or other research experience?

21. (**Undergraduates only**) How many other research experiences in addition to the biology experience have you had?

None  One  Two  Three or more

22. (**Ph.D. Students only**): If you are a graduate student, please identify what your role as a mentor to undergraduates entailed: (Mark all that apply)

- Teach them lab technique(s)
- Correct their lab reports
- Supervise their research
- Practice their oral presentation(s)
- Correct their lab progress reports or portfolio
- Mentor students
- Offer career guidance