

INSTRUMENT CONTROL PANEL IBS-SRP, SUMMER 2010

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When you work directly from the instrument control panel there is no wizard to guide you. As you complete each step, you are returned to this control panel. The actions you may perform are listed below in the order in which they are usually executed. Your instrument (#16986) appears below this box

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3. [Copy questions from another instrument into your active instrument.](#)
4. [Edit the questions](#)
5. [Edit the start and end dates for your survey.](#)
6. [Announce the survey to students.](#)
7. [Analyze and/or download the results of your survey.](#)

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If you have started from a department template, you may see the following note next to some questions:

"D" — Department question. The department head can view the responses to these questions. 

Gains in THINKING AND WORKING LIKE A SCIENTIST: APPLICATION OF KNOWLEDGE TO RESEARCH WORK.

	no gains	a little gain	moderate gain	good gain	great gain	not applicable
1. How much did you GAIN in the following areas as a result of your most recent research experience?						
1.1 Analyzing data for patterns.	<input type="radio"/>					
1.2 Figuring out the next step in a research project.	<input type="radio"/>					
1.3 Problem-solving in general.	<input type="radio"/>					
1.4 Formulating a research question that could be answered with data.	<input type="radio"/>					
1.5 Identifying limitations of research methods and designs.	<input type="radio"/>					
1.6 Understanding the theory and concepts guiding my research project.	<input type="radio"/>					
1.7 Understanding the connections among scientific disciplines.	<input type="radio"/>					
1.8 Understanding the relevance of research to my coursework.	<input type="radio"/>					
D 1.9 Understanding the importance of ethics and the responsible conduct of research.	<input type="radio"/>					
D 1.10 Understanding how data are collected.	<input type="radio"/>					

PERSONAL GAINS RELATED TO RESEARCH WORK

	no gains	a little gain	moderate gain	good gain	great gain	not applicable
2. How much did you GAIN in the following areas as a result of your most recent research experience?						
2.1 Confidence in my ability to contribute to science.	<input type="radio"/>					
2.2 Comfort in discussing scientific concepts with others.	<input type="radio"/>					

- 2.3 Comfort in working collaboratively with others.
- 2.4 Confidence in my ability to do well in future science courses.
- 2.5 Ability to work independently.
- 2.6 Developing patience with the slow pace of research.
- 2.7 Understanding what everyday research work is like.
- 2.8 Taking greater care in conducting procedures in the lab or field.

Gains in SKILLS

3. How much did you GAIN in the following areas as a result of your most recent research experience?
- | | no gains | a little gain | moderate gain | good gain | great gain | not applicable |
|-------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 3.1 Writing scientific reports or papers. | <input type="radio"/> |
| 3.2 Making oral presentations. | <input type="radio"/> |
| 3.3 Defending an argument when asked questions. | <input type="radio"/> |
| 3.4 Explaining my project to people outside my field. | <input type="radio"/> |
| 3.5 Preparing a scientific poster. | <input type="radio"/> |
| 3.6 Keeping a detailed lab notebook. | <input type="radio"/> |
| 3.7 Conducting observations in the lab or field. | <input type="radio"/> |
| 3.8 Using statistics to analyze data. | <input type="radio"/> |
| 3.9 Calibrating instruments needed for measurement. | <input type="radio"/> |
| 3.10 Working with computers. | <input type="radio"/> |
| 3.11 Understanding journal articles. | <input type="radio"/> |
| 3.12 Conducting database or internet searches. | <input type="radio"/> |
| 3.13 Managing my time. | <input type="radio"/> |

The following questions ask about your overall research experience and about any changes in your attitudes or behaviors as a researcher.

4. During your research experience HOW MUCH did you:
- | | none | a little | some | a fair amount | a great deal | not applicable |
|-------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 4.1 Engage in real-world science research | <input type="radio"/> |
| 4.2 Feel like a scientist. | <input type="radio"/> |
| 4.3 Think creatively about the project. | <input type="radio"/> |
| 4.4 Try out new ideas or procedures on your own. | <input type="radio"/> |
| 4.5 Feel responsible for the project. | <input type="radio"/> |
| 4.6 Work extra hours because you were excited about the research. | <input type="radio"/> |
| 4.7 Interact with scientists from outside your school. | <input type="radio"/> |
| 4.8 Feel a part of a scientific community. | <input type="radio"/> |

These questions ask about your research experience.

5. Please rate the following:
- | | Not applicable | Poor | Fair | Good | Excellent |
|-----------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 5.1 My working relationship with my research mentor | <input type="radio"/> |

- 5.2 My working relationship with research group members.
- 5.3 The amount of time I spent doing meaningful research.
- 5.4 The amount of time I spent with my research mentor.
- 5.5 The advice my research mentor provided about careers or graduate school.
- 5.6 The research experience overall.
- 5.7 Please comment on any of these aspects.

- D** 5.8 My relationship with the other summer undergraduate research students in the program.

Research experience

- | 6. As part of my most recent research experience... | yes | no |
|--------------------------------------------------------------------------------------------|-----------------------|-----------------------|
| 6.1 I presented a talk or poster to other students or faculty | <input type="radio"/> | <input type="radio"/> |
| 6.2 I presented a talk or poster at a professional conference | <input type="radio"/> | <input type="radio"/> |
| 6.3 I attended a conference | <input type="radio"/> | <input type="radio"/> |
| 6.4 I wrote or co-wrote a paper that was published in an academic journal | <input type="radio"/> | <input type="radio"/> |
| 6.5 I wrote or co-wrote a paper that was published in an undergraduate research journal | <input type="radio"/> | <input type="radio"/> |
| 6.6 I will present a talk or poster to other students and faculty | <input type="radio"/> | <input type="radio"/> |
| 6.7 I will present a talk or poster at a professional conference | <input type="radio"/> | <input type="radio"/> |
| 6.8 I will write or co-write a paper to be published in an academic journal. | <input type="radio"/> | <input type="radio"/> |
| 6.9 I will write or co-write a paper to be published in an undergraduate research journal. | <input type="radio"/> | <input type="radio"/> |
| 6.10 I won an award or scholarship based on my research | <input type="radio"/> | <input type="radio"/> |
| D 6.11 I will apply for an award or scholarship based on my research | <input type="radio"/> | <input type="radio"/> |

Research experience

- | 7. Rate how much you agree with the following statements. | Strongly disagree | Disagree | Agree | Strongly agree |
|------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 7.1 Doing research confirmed my interest in my field of study. | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 7.2 Doing research clarified for me which field of study I want to pursue. | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 7.3 My research experience has prepared me for advanced coursework or thesis work | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 7.4 My research experience has prepared me for graduate school. | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 7.5 My research experience has prepared me for a job. | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| D 7.6 My research experience has prepared me to transfer from a 2-year to a 4-year institution. | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| D 7.7 My research experience has clarified for me that I do not wish to pursue a career in scientific research. | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

Research experience

8. Compared to your intentions BEFORE doing research, HOW LIKELY ARE YOU NOW to:	not more likely	a little more likely	somewhat more likely	much more likely	extremely more likely	not applicable
8.1 enroll in a Ph.D. program in science, mathematics or engineering?	<input type="radio"/>					
8.2 enroll in a masters program in science, mathematics or engineering?	<input type="radio"/>					
8.3 enroll in a combined M.D/Ph.D program	<input type="radio"/>					
8.4 enroll in medical or dental school?	<input type="radio"/>					
8.5 enroll in a program to earn a different professional degree (i.e. law, veterinary medicine, etc.)	<input type="radio"/>					
8.6 pursue certification as a teacher?	<input type="radio"/>					
8.7 work in a science lab?	<input type="radio"/>					
8.8 Other. Please state your intended degree and, compared to your intentions BEFORE doing research, HOW LIKELY YOU ARE NOW to enroll in a graduate program leading to an advanced degree.						
<i>D</i> 8.9 complete your Associates degree?	<input type="radio"/>					
<i>D</i> 8.10 transfer to a 4-year institution?	<input type="radio"/>					
<i>D</i> 8.11 complete your Bachelors degree in science, mathematics or engineering?	<input type="radio"/>					

9. Future career plans

9.1 How did your research experience influence your thinking about future career and graduate school plans? Please explain.

10. Other gains

10.1 Did you make other gains from doing research that we didn't mention? If so, please briefly describe these.

Research background

11. Academic year research	Never participated	1 semester	2 semesters	3 semesters	4 or more semesters
11.1 How many times have you participated in ACADEMIC YEAR research?	<input type="radio"/>				
12. Summer research	Never participated	1 summer	2 summers	3 summers	
12.1 How many times have you participated in SUMMER research?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
13. Research experience	8 weeks or less	9 weeks	10 weeks	11 weeks or more	
<i>D</i> 13.1 For your most recent research experience, how long did you do research?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	

14. Stipend Not at all important Slightly important Important Very important
 D 14.1 How important was the stipend or money you were paid in allowing you to do research?

15. Program applications 1-3 4-6 7-10 more than 10
 D 15.1 To how many undergraduate research programs did you apply for this summer?

Academic background

16. The highest degree my home institution offers is... associate's bachelor's master's Ph.D.
 D 16.1 highest degree offered

17. What year are you in college? Freshman/rising sophomore Sophomore/rising junior Junior/rising senior. Senior Other
 D 17.1 I am a:

18. What is your grade point average? below 2.0 2.0 to 2.32 2.33 to 2.66 2.67 to 2.99 3.0 to 3.32 3.33 to 3.66 3.67 to 4.0
 D 18.1 GPA (on a 4-point scale)

Demographics

19. Gender Male Female Your choice label here...
 D 19.1 What is your gender?

20. What is your race? (choose all that apply) yes no
 D 20.1 Native American: American Indian or Native Alaskan
 D 20.2 Asian
 D 20.3 Black or African American
 D 20.4 Native Hawaiian or other Pacific Islander
 D 20.5 White
 D 20.6 Other (please specify)

21. What is your ethnicity? yes no
 D 21.1 Hispanic or Latino/Latina

Family background

22. What level of education did your parents complete?		not a high school graduate	high school graduate	some college	college graduate	advanced degree
<i>D</i>	22.1 your mother	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<i>D</i>	22.2 your father	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
23. At your home institution, are you eligible for need-based financial aid?		yes	no	don't know		
<i>D</i>	23.1 Need-based financial aid	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		