

# ACTION Virtual Research Experiences - Hanley et al.

## Supplementary Material 1. Labster Survey.

Page 1

### Labster

Please complete the survey below.

Thank you!

#### Which of the following best describes your experience with Labster?

	Strongly disagree	Disagree	Undecided	Agree	Strongly agree
1) Provided relevant biology content.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2) Improved my understanding of biology concepts.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3) Increased my interest in biology.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4) Motivated me to learn more about the biology concepts that were covered.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5) Helped me understand what is done in a biology laboratory.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6) Helped me "think like a scientist"	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7) Contributed to me "feeling like a scientist."	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8) Provided a meaningful simulated laboratory experience.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9) Felt like a research experience.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10) Improved my research skills.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
11) Improved my scientific thinking.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12) Improved my critical thinking.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
13) Motivated me to pursue an in-person laboratory experience.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
14) Prepared me for an in-person laboratory experience.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
15) Complemented what I was learning in my other summer classroom learning sessions (including virtual and in-person).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
16) Contributed to my understanding of the biological processes related to cancer.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
17) I could understand how the concepts that I was learning connected to cancer.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
18) Provided a valuable learning experience.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
19)					

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|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Motivated me to pursue a science career.                     | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 20) Motivated me to learn more about science careers.        | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 21) Motivated me to pursue a cancer-related career.          | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 22) Motivated me to learn more about cancer-related careers. | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 23) The program was easy to use.                             | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 24) The program worked well on my computer system.           | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

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- 25) Please indicate your overall experience with Labster.
- Very negative  
 Negative  
 Undecided  
 Positive  
 Very positive

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- 26) Please provide any POSITIVE comments you have regarding your experience with Labster.

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- 27) Please provide any NEGATIVE comments you have regarding your experience with Labster.

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- 28) If you did not complete all 11 simulations, please provide a reason for not doing so.

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- 29) Please provide any other comments or feedback you have about Labster.

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