*Official Letterhead Paper*

Tuesday, August 18, 2015

**Dr. David I. Hanauer**

**Professor**

**English Department**

**Indiana University of Pennsylvania**

**Indiana, PA, 15705**

Dear Dr. Hanauer,

I am the person responsible for directing the introductory laboratory courses at our institution. In this capacity, I would like to specify my willingness to support your collection of data relating to the student outcomes experiences at out institution. I have had access to the IRB protocol that you submitted to the Institutional Review Board at Indiana University of Pennsylvania and am aware of it contents.

Specifically I am aware that the research project involves addresses the following questions and sub-questions:

1. What are the outcomes of the SEA-PHAGES CURE research experience?
	1. To what degree does the SEA-PHAGES CURE experience develop a sense of student project ownership?
	2. To what degree does the SEA-PHAGES CURE experience develop a sense of efficacy as a functioning scientist?
	3. To what degree does the SEA-PHAGES CURE experience develop an identity as a scientist
	4. To what degree does the SEA-PHAGES CURE experience develop an affinity with the values of a scientific community
	5. To what degree is the SEA-PHAGES CURE experience different from a traditional laboratory experience in terms of project ownership, efficacy, identity and affinity to scientific values?

I am also aware that data will be collected using an on-line survey which does not collect identifying information from the students in our introductory laboratory courses. I will be responsible for forwarding an email approved by the IUP IRB to the students in these courses requesting that they voluntarily participate in this study by completing the survey. Student will be informed that this is a voluntary decision and not a requirement of the program itself.

Data collection using this on-line survey tool will be done during the last two weeks of class in the Fall and Spring semesters. I understand that once the data has been analyzed I can request a report of the outcomes of the students at my institution and that you will provide this data to me.

Yours

Signature

Full title, official position, institutional affiliation, address. Phone number and email.