Protocol Title: Transforming Students’ Partnerships with Scientists Through Cogenerative Dialogues

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UTEP: Teacher Education Department

1. Introduction

You are being asked to take part voluntarily in the research project described below. Please take your time making a decision and feel free to discuss it with your friends and family. Before agreeing to take part in this research study, it is important that you read the consent form that describes the study. Please ask the study researcher or the study staff to explain any words or information that you do not clearly understand.

2. Why is this study being done?

You have been selected to take part in a research study because you might help us better clarify how decisions about student-scientist partnerships are negotiated and communicated during cogenerative dialogues.

You are being asked to be in the study because you are a high school student who expresses interest in participating in the project.

If you decide to enroll in this study, your involvement will last about 1-2 years.

3. What is involved in the study?

If you agree to take part in this study, you will be invited to participate in an internship with scientists at UTEP and share your learning experience with scientists (i.e., cogenerative dialogues) or peers (experience sharing). Your practice and interactions with scientists will be video recorded. Meanwhile, the research team will invite you to conduct video recorded interviews and fill out research surveys/questionnaires, and review your reflective journals and relevant documents involved in the project.

4. What are the risks and discomforts of the study?

In this project, you will work with scientists in their laboratories, which has various equipment and materials. It is possible that the misuse of the equipment and materials will cause safety concerns. However, proper safety trainings to work in laboratories will be provided to you before beginning any scientific experiments.

5. What will happen if I am injured in this study?

The University of Texas at El Paso and its affiliates do not offer to pay for or cover the cost of medical treatment for research related illness or injury. No funds have been set aside to pay or reimburse you in the event of such injury or illness. You will not give up any of your legal rights by signing this consent form. You should report any such injury to Dr. Pei-Ling Hsu, 915-747-6446 and to the UTEP Institutional Review Board (IRB) at (915-747-8841) or irb.orsp@utep.edu.
6. Are there benefits to taking part in this study?

Benefits:

1) **The value of learning science with ongoing projects**: You will be able to understand why scientific projects are conducted and how scientists make decisions about their science experiments. This contextualized information will provide you great opportunities to see how science is applied in everyday life and utilized to improve our society.

2) **The value of learning science in a university setting**: In the project, you will be working with scientists / graduate students in at UTEP (a university setting). This will allow you to experience university life in advance, reflect your interests in pursuing postsecondary education, and ask questions to clarify any concerns for your possible future career pursuits.

3) **Course credit** – “Scientific Research and Design”: You will gain a high school course credit of “Scientific Research and Design” when you complete this project.

4) **$450 financial support**: You will be supported with $450 when you complete the project. The $450 will be distributed to you proportionally throughout the project (i.e., $100 by the end of May, $100 by the end of June, $100 by the end of July, and $150 six months after the project graduation when you complete the follow-up interviews/surveys).

7. What other options are there?

You have the option not to take part in this study and not to receive the benefits the project provides. There will be no penalties involved if you choose not to take part in this study.

8. Who is paying for this study?

Funding for this study is provided by National Science Foundation with the support of UTEP and El Paso independent school district.

9. What are my costs?

There are no direct costs.

10. Will I be paid to participate in this study?

You will be paid with $450 for taking part in this research study. (i.e., $100 by the end of May, $100 by the end of June, $100 by the end of July, and $150 six months after the project graduation when you complete the follow-up interviews/surveys). Your will also receive a school course credit of “Scientific Research and Design” when you complete the project.

11. What if I want to withdraw, or am asked to withdraw from this study?

Taking part in this study is voluntary. You have the right to choose not to take part in this study and not to receive the benefits the project provides. If you do not take part in the study, there will be no penalty and there will be no benefits.

If you choose to take part, you have the right to stop at any time. However, we encourage you to talk to a member of the research group so that they know why you are leaving the study.
The researcher may decide to stop your participation without your permission, if he or she thinks that being in the study may cause you harm and any discomfort.

12. Who do I call if I have questions or problems?

You may ask any questions you have now. If you have questions later, you may call Dr. Pei-Ling Hsu, 915-747-6446, or email her: phsu3@utep.edu.

If you have questions or concerns about your participation as a research subject, please contact the UTEP Institutional Review Board (IRB) at (915-747-8841) or irb.orsp@utep.edu.

13. What about confidentiality?

Your part in this study is confidential. None of the information will identify you by name. All data will be kept in the project’s office (Educational Building at UTEP) and in locked metal cabinets. All digital data will be protected by passwords and the access to the data will be limited to the research team. Only pseudonyms will be used in transcriptions and publications. The data are only used for research purposes.

14. Mandatory reporting

N/A

15. Authorization Statement

I have read each page of this paper about the study (or it was read to me). I know that being in this study is voluntary and I choose to be in this study. I know I can stop being in this study without penalty. I will get a copy of this consent form now and can get information on results of the study later if I wish.

Participant Name (Print): _________________________
Participant Signature: _________________________ Date: __________ Time: __________
Parent/Guardian Signature: _________________________ Date: __________ Time: __________

We may wish to present some of the pictures or tapes from this study at scientific conventions or as demonstrations in classrooms. Please sign below if you are willing to allow us to do so with the pictures/videos of your performance. I hereby give permission for the pictures/videos made for this research study to be also used for educational purposes.

Participant Signature: _________________________ Date: __________ Time: __________
Parent/Guardian Signature: _________________________ Date: __________ Time: __________

Consent form explained/witnessed by (Print): _________________________
Signature: _________________________ Date: __________ Time: __________