

December 5, 2018

Laura Reed, Ph.D.
Department of Biology
The University of Alabama
Box 870344

Re: IRB # 18-OR-448: "Effective Implementation of a Classroom Undergraduate Research Experience (CURE) II"

Dear Dr. Reed,

The University of Alabama Institutional Review Board has granted approval for your proposed research. Your application has been given expedited approval according to 45 CFR part 46. Approval has been given under expedited review category 7 as outlined below:

(7) Research on individual or group characteristics or behavior (including, but not limited to, research on perception, cognition, motivation, identity, language, communication, cultural beliefs or practices, and social behavior) or research employing survey, interview, oral history, focus group, program evaluation, human factors evaluation, or quality assurance methodologies.

Your approval will expire on December 4, 2019. If the study will continue beyond that date, you must complete and submit the Continuing Review Form within e-Protocol. If you need to modify the IRB protocol, please complete and submit the Amendment Form. *Changes in this study cannot be initiated without IRB approval, except when necessary to eliminate apparent immediate hazards to participants.* When the study closes, please complete the Final Report Form. Please use the IRB-stamped Consent Forms.

Should you need to submit any further correspondence regarding this application, please include the assigned IRB approval number. Good luck with your research.

Sincerely,



Carpentato T. Myles, MSM, CIM, CIP
Director & Research Compliance Officer
Office for Research Compliance

Genomics Education Partnership Classroom Undergraduate Research Experiences: Pre-course Survey

Welcome to the GEP-CURE survey site. You are being invited to participate in a research study. This project is a collaborative effort involving the faculty and students from many undergraduate institutions participating in the GEP. The purpose of this research is to learn more about the success of our science courses in empowering student learning. To accomplish this task we have developed a pre-course post-course research design to measure the learning gains and other outcomes of courses that include our shared genomics project. This research is funded by the National Institutes of Health. In some cases, the class may be working with a new genome browser set up using G-OnRamp, a workflow developed to make it easier to create a genome browser for a newly sequenced genome.

If you agree to participate please fill out the pre-course survey questions by clicking the link below. The survey should take about 10 minutes to complete. You may elect not to answer individual questions. A "not applicable" or "N.A." option is available for the questions as an alternative; use this if the question is irrelevant or if you choose not to answer. You will be asked at the end of our course to complete a post course survey as well. You will be asked to read and agree to participate in that activity prior to completing that survey.

Because of the complexity of tracking the data from many courses in many institutions, we ask you to identify your college and course. The computer will also generate for you a personal identification code. To create this code we will ask you to enter your name as it appears on your driver's license. Your name will then be converted into an encrypted number and sent with your responses. The encryption is being done in such a way that it is not possible to convert from the number back to your name to ensure anonymity. The reason for the code is to enable us to match your pre-course information with a post-course evaluation that we will ask you to complete at the end of the term. This alignment of your pre-course responses with your post-course responses permits a sensitive measure of change. Your individual data will not be revealed to your course instructor. The lead analyst for the project, Prof. David Lopatto of Grinnell College, will keep all individual data confidential. Only aggregate pre-course-post-course data will be reported back to your institution and to the GEP as a whole. Your data cannot be used by instructors to determine your grade in the course.

We will keep the information you provide confidential. However, federal regulatory agencies and the University of Alabama, including the University of Alabama Institutional Review Board (a committee that reviews and approves research studies) may inspect and copy records pertaining to this research.

To further protect your privacy, this research is covered by a Certificate of Confidentiality from the federal government. This means that the researchers can refuse to disclose information that may identify you in any legal or court proceeding or to anyone who is not connected with the research except if:

- there is a law that requires disclosure, such as to report child abuse and neglect, or harm to self or others;
- you give permission to disclose your information, including as described in this consent form; or
- it is used for other scientific research allowed by federal law.

You have the right to share your information or involvement in this study with anyone at any

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time. You may also give the research team permission to disclose your information to a third party or any other person not connected with the research.

There are no known risks from being in this study, and you will not benefit personally. However we hope that others may benefit in the future from what we learn as a result of this study.

Taking part in this research study is completely voluntary. If you decide not to be in this study, or if you stop participating at any time, you won't be penalized or lose any benefits for which you otherwise qualify. If you change your mind about completing the survey, just leave the site.

If you have any questions about the research study, please contact Dr. Laura Reed lreed1@ua.edu. If you have questions, concerns, or complaints about your rights as a participant in this research study, you may contact Ms. Tanta Myles, the Research Compliance Officer at UA, at 205-348-8461 or toll-free at 1-877-820-3066. You may also ask questions, make suggestions, or file complaints and concerns through the IRB Outreach Website at <http://ovpred.ua.edu/research-compliance/prco/>. You may e-mail the Research Compliance Office at rscompliance@research.ua.edu.

Thank you very much for your consideration.

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You probably filled out a pre-course survey at the beginning of the term. If you agree to participate, we will ask that you complete a post course survey at this time. The survey should take about 10 minutes to complete. You may elect not to answer individual questions. A "not applicable" or "N.A." option is available for the questions as an alternative; use this if the question is irrelevant or if you choose not to answer.

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