**You Are Being Asked to Be in a Research Study**

**Concise presentation of key concepts**

You are being asked to be in a research study. A research study is designed to answer a scientific question. If you agree to be in the study you will be one of 1500 people who are being studied, at Emory and elsewhere.

**Why is this study being done?**

This study is being done to answer the question: How does the degree of student autonomy in a course-based undergraduate research course affect student perceptions of laboratory teaching and student outcomes. You are being asked to be in this research study because you have participated in the bean beetle microbiome course-based undergraduate research module.

**Do you have to be in the study?**

It is your decision to be part of this research study. You do not have to be in it. Before you make your decision, you should take time to learn about the study.

**What do I have to do if I choose to participate in this study?**

If you are eligible and want to be part of the study, you will participate in two surveys. The researchers will ask you to do the following: complete an online survey at the beginning of the semester and an online survey at the end of the semester.

**How is this study going to help you?**

If you are in the study, you will be helping the researchers answer the study question.

**What are the risks or discomforts I should know about before making a decision?**

The study will take time. All studies have some risks. Some risks are relatively small, like being bored or losing time. Some are more serious – for this study, these loss of privacy and breach of confidentiality. A full list of expected risks, their frequency and severity are in the “What are the possible risks and discomforts?” section of this document.

**Alternatives to Joining This Study**

Since this is not a treatment study, the alternative is not to participate.

**Costs**

There are no costs associated with participating in this study. There is more information in the cost section below.

**What Should I Do Next?**

Read this form, or have it read to you. Make sure the study staff explains the study to you. Ask questions (e.g., about exact time commitment, about unfamiliar words, more details on specific procedures, etc.) Take time to consider this, and talk about it with your family and friends.

**Emory University**

**Consent to be a Research Subject**

**Title**: Effects of student autonomy in a course-based undergraduate research course on student perceptions of laboratory teaching and student outcomes.

**Principal Investigator:** Christopher Beck, Ph.D., Department of Biology

**Funding Source:** National Science Foundation

## Introduction

You are being asked to be in a research study. This form is designed to tell you everything you need to think about before you decide to consent (agree) to be in the study or not to be in the study. **It is entirely your choice. If you decide to take part, you can change your mind later on and withdraw from the research study. You can skip any questions that you do not wish to answer.**

Before making your decision:

* Please carefully read this form or have it read to you
* Please ask questions about anything that is not clear

You can take a copy of this consent form, to keep. Feel free to take your time thinking about whether you would like to participate. By signing this form you will not give up any legal rights.

## Study Overview

The purpose of this national study is to examine the effects of student autonomy in a course-based undergraduate research course on student perceptions of laboratory teaching and student outcomes.

## Procedures

In this national study, you will complete an online survey at the beginning of the semester and a second online survey at the end of the semester. The surveys based on the Persistence in the Sciences (PITS) survey, the Expanded Experimental Design Ability Test (E-EDAT), the Instructional Practices Survey, the Laboratory Course Activities Survey (LCAS) and some additional demographic questions about the science courses that you have taken, your gender, race/ethnicity, and status as a first-generation university student. You will be asked to provide the last 6 digits of your cell phone number so that your responses from the two surveys can be link. Each survey will take approximately 20 minutes to complete.

## Risks and Discomforts

## The risks and discomforts associated with participation in this study are minimal. There is some risk of loss of anonymity based on demographic factors. There are potential discomforts associated with recalling negative experiences in laboratory courses.

## New Information

It is possible that the researchers will learn something new during the study about the risks of being in it. If this happens, they will tell you about it. Then you can decide if you want to continue to be in this study or not. You may be asked to sign a new consent form that includes the new information if you decide to stay in the study.

## Benefits

This study is not designed to benefit you directly. This study is designed to learn more about the effects of student autonomy in a course-based undergraduate research course on student perceptions of laboratory teaching and student outcomes. The study results may be used to help others in the future.

##### Compensation

You will not be offered payment for being in this study.

###### Confidentiality

Certain offices and people other than the researchers may look at study records. Government agencies and Emory employees overseeing proper study conduct may look at your study records. These offices include the Office for Human Research Protections, the funder(s), the Emory Institutional Review Board, and the Emory Office of Compliance. Study funders may also look at your study records. Emory will keep any research records we create private to the extent we are required to do so by law. A study number rather than your name will be used on study records wherever possible. Your name and other facts that might point to you will not appear when we present this study or publish its results.

Study records can be opened by court order. They may also be produced in response to a subpoena or a request for production of documents.

**Storing and Sharing your Information**

De-identified data from this study (data that has been stripped of all information that can identify you) may be placed into public databases where, in addition to having no direct identifiers, researchers will need to sign data use agreements before accessing the data. We will remove or code any personal information that could identify you before your information is shared. This will ensure that, by current scientific standards and known methods, it is extremely unlikely that anyone would be able to identify you from the information we share. Despite these measures, we cannot guarantee anonymity of your personal data.

Your data from this study may be useful for other research being done by investigators at Emory or elsewhere. To help further science, we may provide your deidentified data and/or specimens to other researchers. If we do, we will not include any information that could identify you. If your data or specimens are labeled with your study ID, we will not allow the other investigators to link that ID to your identifiable information.

In general, we will not give you any individual results from the study of the samples you give us. If we find something of urgent medical importance to you, we will inform you, although we expect that this will be a very rare occurrence.

## Withdrawal from the Study

You have the right to leave a study at any time without penalty.

The researchers also have the right to stop your participation in this study without your consent for any reason, especially if they believe it is in your best interest or if you were to object to any future changes that may be made in the study plan.

**Contact Information**

Contact Dr. Christopher Beck at 404-712-9012:

* if you have any questions about this study or your part in it,
* if you have questions, concerns or complaints about the research

Contact the Emory Institutional Review Board at 404-712-0720 or 877-503-9797 or irb@emory.edu:

* if you have questions about your rights as a research participant.
* if you have questions, concerns or complaints about the research.
* You may also let the IRB know about your experience as a research participant through our Research Participant Survey at <http://www.surveymonkey.com/s/6ZDMW75>.

## Consent and Authorization

 Select “Yes” below if you agree to be in this study. By consenting to participate in this study, you will not give up any of your legal rights.