Columbia COLLEGE CHICAGO

Exemption #

Request for

Exemption from IRB Review

Institutional Review Board, Office of Academic Research
218 S. Wabash, Rm. 725, Chicago, IL 60604-2444 312-369-7384 irb@iris.colum.edu

Section I: Does this Form Apply?

	Indicate "Yes" or "No"
Are you conducting research involving prisoners?	No
Are you conducting research involving the use of deception?	No
Are you recording data in such a way that it can be linked to the participants?	No
Are you conducting research involving direct interaction with children?	No
Are you audio or videotaping participants?	No
Are you specifically recruiting HIV+ individuals?	No

If you indicated YES to any of the above questions your study may not meet the criteria for Exempt Review (per 45 CFR 46.101(b) and/or IRB policy). PLEASE CONTACT THE IRB OFFICE BEFORE PROCEEDING.

SECTION II: General Information

Nature of Study: (Place an "X" in the column. Check only one.)		Faculty Research		Graduate Research
		Master Thesis	**x**	Undergraduate Research
		Staff Research		Other:_____

Study Title: __Using Your Ears: A Novel Way to Teach Acoustics

Principal Investigator (PI): Sarah Kaddatz

Please check one: Faculty_____ Administration_____ Student__x___

(IRB decision letters will be sent to the principal investigator at the address specified below. You may designate a correspondent as the alternate contact however the PI remains responsible for the information provided on the form.)

Mailing Address:525 South State Street #530 Chicago, IL 60605

Department:Acoustics

Phone:262-210-9520 Fax: Email: sarah.kaddatz@loop.colum.edu

Faculty Advisor: Dominique J. Chéenne

(Only for student-initiated research.)

Mailing Address: 33 E. Congress Parkway, Suite 601 Chicago, IL 60605

Department: Acoustics

Phone:312-369-8806 Fax: 312-369-8427 Email: dcheenne@colum.edu

Correspondent:

(You may identify an investigator, student or staff member to serve as the primary point of contact for correspondence; otherwise all communications will be sent to the principal investigator.)

Mailing Address:

Department:

Phone: Fax: Email:

Other Key Personnel

(i.e. enroll participants, conduct consent process, collect data/identifiable information from participants, intervene/interact by performing invasive procedures, have access to information that links participants' names or other identifiers with their data, or act as authoritative representatives for the investigators):

Name:	Role on the Study:	Student (Indicate "Yes" or "No"):
1. Lauren M. Ronsse	Other Faculty Advisor	No
2		
3.		
4.		

Note: Add additional rows to the table as needed.

Other Non-Columbia Investigators:

Name:	Affiliated Institution:	Role on the Study:	Student (Indicate "Yes" or "No"):
1.			
2.			
3.			
4.			

Note: Add additional rows to the table as needed.

Study Location: Place an "X" in the column.	x	Columbia College Chicago
		Other (Please identify):

If recruitment and/or study procedures will take place in a controlled facility (school, nursing home, etc.) you must provide written documentation that the facility has given permission for the study to take place there. Please name each facility below:

Name of Facility:	**Permission Attached? (Indicate Yes or No)**
1.	
2.	
3.	

Note: Add additional rows to the table as needed.

SECTION III: Funding

It is the responsibility of the Principal Investigator to notify the IRB via an Amendment (IRB-3) form if the funding source changes.

Funding Source: (Place an "X" in the column next to the funding source.)				
		Departmental Funds		Undergraduate Research Award
		External	**x**	Investigator Out-of-Pocket
		Faculty Grants (Large/Small)		Unfunded
		Graduate Award		Other

Please Identify the Following:

NOTE: If the PI on the grant/contract is not the PI on this IRB protocol, submit documentation with this application in which the PI who is receiving the grant acknowledges use of this protocol under the grant**.**

Funding Source I:	
Principal Investigator of Contract/ Grant**:**	
Contract/Grant Title: (if different from study title)	
Grant/Contract Status: (i.e., pending/awarded) (i.e., pending, awarded)	

Note: If there is more than one funding source, copy the table format and add additional sources.

SECTION IV: Human Participants

How many participants will be enrolled? If you are enrolling more than one population describe the total enrollment for each.

These are estimated numbers that are subject to change depending on willing participants, availability of subjects, and other factors beyond my control.

1. 30-50 Individuals with little to no acoustical background
2. 10-15 Individuals with some acoustical background
3. 3-5 Individuals with extensive acoustical background

Participant Population(s):
Describe the participant population(s) including gender, ethnicity, and age range.

Ethnicity, age, and gender will not be factors in the study, nor will this information be collected.

The populations will be associated with Columbia College Chicago in some way since I will be advertising on campus.

The main factor which separates the participants into distinct populations will be each participant's experience in the field of acoustics.

The individuals with extensive acoustical background will act as the control for the experiment. They will verify that recordings made do resemble what they should. Individuals in this group must have a minimum of 7-10 years of experience in acoustical field to qualify for this important role. This group will most likely consist of faculty in the Audio Arts and Acoustics department.

The individuals with some acoustical background will include anyone who has any knowledge of acoustical concepts. This group will most likely include students in the Audio Arts and Acoustics program. They will be more likely to have a basic understanding of the audio examples played or may have even possibly heard examples previously, but will not have the ear training or experience present in the "Extensive Acoustical Background" group.

Individuals with little to no acoustical background will include anyone who has little to no acoustical background. They have never taken audio classes, do not work in the sound field, and do not know technical terminology associated with different acoustical phenomena.

Recruitment:
Describe how participants will be identified and recruited. Attach copies of all advertisement/recruitment materials for IRB review.

Flyers will be posted in appropriate areas around campus to advertise the study. Word of mouth will also be used.

For their time, subjects will rewarded with homemake cookies. They will be notified at the beginning of the study, that cookies will still be given if they choose to leave the study before all examples were tested.

Special Population(s):
Identify any special participant population(s) that you will be **specifically targeting** for the study. Check all that apply.

Check **all** that apply: (Place an "X" in the column next to the name of the special population.)		Minors (under 18)		Economically/Educationally Disadvantaged
		Prisoners		Members of the Armed Forces
		Pregnant Woman/ Neonates		Non-English Speaking
		Decisionally Impaired		Individuals Living with AIDS/HIV
	x	CCC Students		Other: (Please identify)
		CCC Employees		

Columbia Students or Employees:
Are you recruiting students who are in a class you teach or for which you have responsibility? ___ **Yes** __x_ **No**

Are you recruiting employees who report to you? ___ **Yes** _x__ **No**

If 'Yes," explain why this population is necessary to the study:

SECTION V: Study Details

Purpose
State the reason for the study, the research hypothesis, and the goals of the proposed study as related to the research question(s).

Reason for study:
The purpose of this study is to test a new method for teaching acoustical concepts to a general audience such as future classes in the Audio Arts and Acoustics Department.

Research Hypothesis:
Hearing is believing! Research subjects will be able to tell that a signal has been altered and be able to describe the change in their own words.

Goals related to research questions:
The demonstrations may be utilized in the classroom to introduce new acoustical concepts by having students first listen to a simulation, then write and/or discuss what they hear, providing conjectures about the parameters that could create such acoustical conditions. The goal of the demonstrations is to encourage students to use their ears as part of a quantitative and qualitative assessment of acoustical phenomena. By making the subject explain the change instead of reading what is happening, the concept will become more clear.

Design/Procedures
What will the participants be asked to do? Be sure to submit copies of surveys/ interview questions.

Participants will listen to a control sound environment that does not have any major defining characteristics. Then the subject will listen to an altered version and write down what they believe is different in the space. This complete process will take no more than 30 minutes.

Room modes are an excellent example of this. I will play a recording of a tone in a room from a spot where there are no prominent resonating frequencies. Then I will travel with the microphone throughout the room and pick up the certain areas where these prominent resonating frequencies are present. There will be controls where the "edited" recording will be the same as the "baseline" recording to prove that people can sometimes hear things that are not actually there.

What are the risks and inconveniences to the participants?

- They will be taking time out of their schedules to help with my research.
- Audio files will be played at a safe level to eliminate the risk of potential hearing damage or loss.
- Questionnaires will be anonymous to protect the identities of subjects as well as reputations of subjects with previous acoustical experience.

What are the benefits of the research to participants and to society?

Participants will learn first-hand acoustical concepts by using their ears.

Society will gain a "mainstream" dictionary of terms the layperson with no previous acoustical knowledge would use to describe phenomena. This will allow for better communication between acoustical consultants and their customers.

Are there any economic considerations (i.e., gift certificate, raffle, cash payment or class extra credit)? Explain how subjects will receive economic considerations and remain anonymous.

Subjects will be given a bag of assorted homemade cookies. These bags will not be labeled with a name, but rather the types of cookies within it both for preference and potential allergy purposes (such as nuts, dairy, gluten). Other options (such as fruit) will be made available for those with extreme food allergies.

Explain how data will be recorded in such a way that it can <u>never</u> be linked to the participants (anonymous data). If you are conducting a survey using the Internet, describe procedures to ensure that the data is not linked to an individual participant (i.e. you are not recording the subject's name, e-mail or IP addresses).

Subjects will submit surveys <u>without</u> their name, age, or e-mail present on the physical survey. The only potential identifier is their acoustic knowledge they admit to having. No names of employers will be taken, nor specific careers of those who claim to have knowledge in the field.

This section should be completed <u>only</u> if you are conducting research with <u>existing</u> ("on-the-shelf") data, documents, diagnostic specimens, etc. per 45 CFR 46.101(b)(4):

Describe the nature of the data. If more than one dataset will be accessed, describe each dataset.

Describe how you obtained the data and attach a copy of any approval letter(s) for use of the data. If the external institution or agency from which the dataset (s) will be acquired requires a Confidentiality Agreement, attach one copy of each.

Does the data contain any personal identifying information? If so, describe how you will record the information in such a way so that subjects cannot be identified.

Informed Consent
Describe how you will obtain informed consent including who will obtain consent, where and when it will be obtained, and how much time participants will have to make a decision. Will participants provide Oral or Written consent? Attach a copy of either the consent form or information sheet. Remember: if you plan to collect anonymous data, it may not be appropriate to ask participants to sign a consent form. In that case, obtain oral consent and provide participants with an information sheet (see Information Sheet instructions). Complete the section below, "Waiver of Signed Consent".

Participants will provide oral consent in order for me to collect anonymous data and protect the subjects; a consent form would be the only link the subjects would have to the study.

Waiver or Alteration of Consent
The IRB may waive or alter the elements of consent in some minimal risks studies. If you plan to request either a **waiver of consent** (i.e., participants will not be asked to give consent) or a **waiver of signed consent** (i.e., participants will give oral consent only), please answer the following questions using specific information from the study:

Waiver of consent (i.e. participants will not be asked to give consent):

- Why is the study considered to be minimal risk?

- How will the waiver affect the participants' rights and welfare?

- Why would the research be impracticable without the waiver?

- How will important information be returned to the participants, if appropriate?

Waiver of signed consent (i.e. participants give oral consent only after reading an information sheet):

- Why is the study considered to be minimal risk?

The study does not involve any at risk groups except for college students, but I am not a professor at the college and hold no power over them. No information will be hidden from the participants. They will even be told that certain tests will have no difference between the "baseline" and "edited" tests. Identifiable data will not be collected for any of the study subjects. Participants are free to leave the study at any time, and will still receive cookies regardless.

- Does a breach of confidentiality constitute the principal risk to participants?

Yes. It will protect their identities from being involved in the study. In the case of the expert group, it would protect the individual's prestige in the acoustical field if they were not able to hear any differences between "baseline" and "edited" tests.

- Would the signed consent form be the only record linking the participant to the research?

Yes.

- Does the research include any activities that would require signed consent in a non-research setting?

No.

SECTION VI: Investigators Pledge

I understand Columbia College Chicago's policies concerning research involving human participants and I agree:

1. To comply with all IRB policies, decisions, conditions, and requirements;
2. That this study has been designed, to the best of my knowledge, to protect human participants engaged in research in accordance with the standards set by Columbia College Chicago, the United States Department of Health and Human Services, and any other sponsoring agency;
3. To obtain prior approval from the IRB before amending the research protocol or the approved consent/assent form;
4. To report to the IRB in accordance with IRB policy, any adverse event(s) and/or unanticipated problem(s) involving risks to participants;
5. To submit the Re-Approval/Completion Form as needed;
6. That each individual listed as study personnel in this application has a) completed the required human subjects training, and b) are knowledgeable of the study procedures described in the protocol;
7. That each individual listed as study personnel in this application possesses the necessary training and experience for conducting research activities in the role described for them in this research study.

Original Signature of Principal Investigator	**Date**

Faculty Advisor's Certification (only for student-initiated research)

I certify that I have read this application in full and that I have discussed with the project investigator(s) the ethical treatment of the human participants who will participate in this project, as well as the procedures to protect the privacy of the participants and the confidentiality of data generated.

Original Signature of Faculty Advisor	Date