

CONSENT TO TAKE PART IN RESEARCH

XXXX

Study Title: Feasibility of three potential biometrics

Principal Investigator: XXXX

You are being asked to take part in a research study. Taking part in research is voluntary.

Your decision whether or not to take part will have no effect on *academic standing and/or job status*. Please ask questions if there is anything about this study that you do not understand.

What is the purpose of this study?

The purpose of the study is to evaluate three physiological traits for uniquely identifying a specific individual from within a group of individuals. Traits able to accurately distinguish one person from a group of people are called 'biometrics' (i.e. fingerprints). The traits being explored here are a person's 'internal voice', which characterizes how well sound travels through a person's body, a person's 'body impedance' which defines how well small electrical currents travel through a person's body, and a person's wrist circumference. These traits will be recorded from many participants to determine how effectively these traits can be used as biometrics.

Will you benefit from taking part in this study?

You might not personally benefit from being in this research study.

What does this study involve?

Your participation in this study may last up to 1 week if you choose to do the out-of-lab collection, but in-lab collection of the biometrics will take less than an hour. Collection of internal voice data involves attaching several contact microphones to a number of locations on your upper body to record your voice as you read aloud two different passages of text. Similarly, collection of body impedance data involves attaching a number of EKG electrodes to different locations on your body to measure your body's impedance with an impedance analyzer. Finally, the collection of wrist circumference just involves measuring the size of your wrist.

What are the options if you do not want to take part in this study?

Participation is voluntary; hence you can withdraw from the study at any time. Please do not sign the consent form if you do not want to take part in the study.

If you take part in this study, what activities will be done only for research purposes?

If you take part in this study, the following activities will be done only for research purposes: collection of internal voice data, wrist circumference, and body impedance data.

What are the risks involved with being enrolled in this study?

There are minimal risks involved with being enrolled in this study. The only risk involved with being in this study is associated with the application of electrical currents to your body during body impedance measurements. This risk, although not completely eliminated, is also one of an extremely low probability. Our equipment is designed to apply less than 10 mA of current and conforms to US and International standards of safety for medical devices. There is a possibility for inflammation to occur while wearing the electrodes. Such inflammation should go away after the bracelet is removed.

Other important items you should know:

- **Leaving the study:** You may choose to stop taking part in this study at any time. If you decide to stop taking part, it will have no effect on your academic standing and/or job status.
- **Number of people in this study:** We expect XX people to enroll in this study.
- **Funding:** XXXX provides funding to XXXX for this research.
- **Product Development:** If the results of this research are used to develop a product sold for a profit, you will not share in the profit. You will not receive money from the profits.

How will your privacy be protected?

The information collected as data for this study includes:

- Audio data of your voice
- Impedance data of your body
- Wrist circumference
- Other data: height, weight, age, sex, time of last meal, etc.

Data collected for this study will be maintained indefinitely.

We are careful to protect the identities of the people in this study. We also keep the information collected for this study secure and confidential. All data collected will contain no identifiable information and only researchers will have access to the data. All data will be stored on secure, password-protected computers, and hard copies (including this consent form) will be stored in the researcher's office in a locked filing cabinet when not in use.

The information collected for this study will be used only for purposes of research as stated earlier in this form. Research data may be shared with officials of XXXX and others involved in the oversight of this study as permitted by law.

It is possible for a court or government official to order the release of study data including information about you.

Will you be paid to take part in this study?

Yes, you will be paid \$XX for your participation in the in-lab study. Should you choose to participate in the out-of-lab bioimpedance study, you will be paid \$XX per day for each day you participate.

Whom should you call with questions about this study?

Questions or concerns about this study may be directed to the researcher in charge of this study: Call us at XXX-XXX-XXXX or email.

If you have questions, concerns, complaints, or suggestions about human research at XXXX, you may call the Office of the Committee for the Protection of Human Subjects at XXX-XXX-XXXX during normal business hours.

CONSENT

I have read the above information about *Feasibility of three potential biometrics* and have been given time to ask questions. I agree to take part in this study and I have been given a copy of this signed consent form.

Participant's Signature and Date / PRINTED NAME

Researcher or Designee Signature and Date PRINTED NAME