

Participant Consent (Study #2018s0215)
Breathing and the perception of auditory sounds

Who is conducting the study? The principal investigator (PI), Dr. Henny Yeung, and his research assistants in the Language Learning and Development (LangDev) Lab at the Department of Linguistics at Simon Fraser University: henny_yeung@sfu.ca (or 778-782-3955).

Who is funding this study? This study is funded by the Natural Sciences and Engineering Research Council of Canada (NSERC) under their Discovery Grants program.

Why are we doing this study? We want to study how breathing in a particular way affects your auditory perception of sounds, like speech or music.

Your participation is voluntary. You have the right to refuse to participate in this study. Refusing to participate or withdrawal after agreeing to participate will not have any adverse effects or consequences.

How is this study done? If you agree to participate, this study will take about 30 minutes.

- You will be asked to fill out a short questionnaire asking for demographic information.
- You may be asked to breathe through your mouth/nose for brief periods
- You will be given an auditory listening task, where you will listen to a sequence of auditory sounds and asked questions about those sounds.

What are the risks of participating? This study poses minimal risk because none of the tasks involved in the experiment will have any direct or lasting impacts on participants, except perhaps boredom or minor fatigue.

What are the benefits of participating? We do not think taking part in this study will have direct benefits for you. However, in the future, others may benefit from what we learn in this study. In particular, we think that this study will help us understand how the brain processes auditory sounds, like speech or music.

Will you be paid for taking part in this research study? You will receive payment through the online crowdsourcing platform. **Prolific mandates that participants be paid a minimum of \$8.88 (CAD) per hour, approximately \$4.91 (CAD) for a 30 minute study.**

How will your privacy be maintained? Your confidentiality will be respected. Information that discloses your identity will not be released without your consent. In addition:

- You will not be identified by worker ID or IP address in any complete study report
- Any data related to IP address (country or region/city) will only be detailed in aggregate (for example, “50% of participants were from Quebec”).
- All the electronic data will be stored on password-protected SFU servers under password protection.

What if you decide to withdraw your consent to participate? You may withdraw from this study at any time without giving any reasons. If you choose to enter the study and withdraw at a later time, all data collected about you will be destroyed if it has not yet been uploaded to the online publically accessible repository of research data (1 year after study participation).

Organizational permission. Permission for this research has been obtained from Simon Fraser University.

Research participant rights. Concerns and/or complaints should be directed to Dr. Jeff Toward, Director, Office of Research Ethics (jtoward@sfu.ca, or 778-782-6593).

Study results. The main study findings will be published in academic journal articles or presented at academic conferences. In addition, a summary of the study results in non-technical language will be accessible to you if you so wish.

Future use of participant data. All data that we collect will be used for research purposes only. While study data may be accessible to others once published (e.g., measures or performance in these tasks, age, gender, language background will be uploaded indefinitely to an online publically accessible repository of research data), we will not share identifying or confidential information (e.g., IP addresses).

Participant consent. Taking part in this study is entirely up to you: You have the right to refuse to participate. If you decide to take part, you may pull out of the study at any time without giving a reason and without any negative impact by sending an email to langdev@sfu.ca. Your continuation on the online experiment platform indicates that you received a copy of this consent form for your own records, and that you consent to participate in the study.