CCi-MOBILE Research Interface
for Cochlear Implant and Hearing-Aid Research
Winter 2024-2025 Participant Opportunities

In-Person and Online Participation Opportunities for Typical Hearing Individuals
4 Open Enrollment Experiments

October 21, 2024 – February 2, 2025

You may choose to participate in all experiments (on different days/weeks) or any of the following experiments with open enrollment listed below. A single-day and a multi-day schedule will be provided. Schedule can be customized according to the availability of the participant.

Open Enrollment Experiments for In-Field (In-Person) Experiments

1. Application Testing for In-Field Listening Experience – 2 hours

Open Enrollment Experiments for Traditional In-Lab (In-Person) Experiments

2. Primary Speaking Partner (Familiar Speaker) Recordings – 1 hour

Open Enrollment Experiments for Virtual (Online, At-Home, Self-Paced) Experiments

3. Famous Speaker Listening Experiment – 1.5 hours
4. Speech De-echoing Listening Experiments – Approx. 2 hours

We *strongly* encourage you to participate in all experiments!

All studies are approved by the Institutional Review Board of The University of Texas at Dallas

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Experiment #1: Application Testing for In-Field Listening Experience (In-Field Experiment)

This experiment asks participants to engage in read, prompted speech and naturalistic, spontaneous conversation with the lead investigator (a typical hearing speaking partner). First, the lead investigator will read a set of 10 sentences and as the participant to repeat back what they hear, while providing feedback of the listening experience on a tablet, such as identifiable characteristics about the listening environment (e.g., number of people, acoustics, etc.). Next, participants will engage in conversation speech and be asked to select numerical scores on a rating scale of 1-10 for pleasantness, intelligibility, loudness, noise. Participants will engage in both read and conversation speech in a single session at a single location. This will be repeated in 4 different locations across the UT-Dallas campus.

Participation

- 2 hours – This experiment consists of 4 sessions in various locations across the UT-Dallas campus
- You will be compensated hourly as a result of participation in this experiment

Contact Information and Enrollment Process

- To participate in this study, contact the research coordinator to schedule your in-person testing time/date
  - Dr. Juliana Angell (Saba): Juliana.Saba@utdallas.edu
- For questions regarding participation, contact the lead investigator
  - Taylor Lawson: Taylor.Lawson@utdallas.edu

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Experiment #2: Primary Speaking Partner (Familiar Speaker) Recordings (Traditional In-Lab Experiment)

This experiment asks participants who are the primary speaking partner related to a cochlear implant (CI) user. Primary speaking partners can include: spouse, children, translator, in-home care takers, and coworkers. The primary speaking partner will be asked to read standardized sentences (200 sentences) and carry out prompted conversational speech (5-10 minutes) with the cochlear implant user as well as the lead investigator using a recording device.

Participation

- 1-1.5 hours – This experiment consists of two sessions
- You will be compensated hourly as a result of participation in this experiment

Contact Information

- To participate in this study, contact the **research coordinator** to schedule your **in-person** testing time/date
  - Dr. Juliana Angell (Saba): Juliana.Saba@utdallas.edu
- For questions regarding participation, contact the **lead investigator**
  - Hazem Younis: HazemAmr.Younis@utdallas.edu

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Experiment #3: Famous Speaker Listening Experiment (Online, At-home Experiment)

This experiment asks participants to listen and rate on a scale of 1-10 (1: least familiar, 10: most familiar) to various speech samples spoken by familiar, or famous, speakers, (e.g., presidents, politicians, actors, athletes, etc.) and asked to repeat back the words/phrases from the sentences in various levels of background noise. This experiment is self-paced and does not require the presence of the lead investigator.

Participation

- 1.5-2 hours
- You will be compensated hourly as a result of participation in this experiment

Equipment Required

- For online/remote experiments: A computer/laptop with internet access
  - *If you do not have a computer/laptop, the CILab will provide one for you*
  - *For those who are not comfortable using a computer/laptop or working online, our research team will set up a virtual, online meeting (via Zoom) to walk you through these steps*
- For online/remote experiments: Amazon WorkSpaces Software Client (CCi-Evaluate) – Instructions Provided
  - *Our research team can set up a virtual, online meeting (via Zoom) to get you familiar with the testing setup – Online resources such as step-by-step guides and videos will be provided!*

Contact Information

- To participate in this study, contact the **research coordinator** to schedule your **in-person** testing time/date
  - Dr. Juliana Angell (Saba): Juliana.Saba@utdallas.edu
- For questions regarding participation, contact the **lead investigator**
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Online/Remote Experiment #4: Speech De-echoing Listening Experiments (NEW! In-Lab or Online Experiment)

In this experiment, participants will listen to various sentences with and without echo, followed by various methods of echo removal. Participants will also be asked to repeat back the words and phrases they hear (for in-person experiment) or type the words and phrases (for online experiment) and rate both their preference and audio quality. This experiment is self-paced and does not require the presence of the lead investigator.

Participation

- 2 hours
- This experiment can be completed online/remotely or in person/in the lab
- You will be compensated hourly as a result of participation in this experiment

Equipment Required

- For online/remote experiments: A computer/laptop with internet access
  - *If you do not have a computer/laptop, the CILab will provide one for you*
  - *For those who are not comfortable using a computer/laptop or working online, our research team will set up a virtual, online meeting (via Zoom) to walk you through these steps*
- For online/remote experiments: Amazon WorkSpaces Software Client (CCi-Evaluate) – Instructions Provided
  - *Our research team can set up a virtual, online meeting (via Zoom) to get you familiar with the testing setup – Online resources such as step-by-step guides and videos will be provided!*

Contact Information

- To participate in this study, contact the **research coordinator** to schedule your **online or in-person** testing time/date
- Dr. Juliana Saba: juliana.saba@utdallas.edu