

Anna R. Tinnemore

Curriculum Vitae

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EDUCATION

- 2023
Planned Doctor of Philosophy (PhD) in Neuroscience and Cognitive Science
University of Maryland, College Park, MD
- 2017 Doctorate in Audiology (AuD), minor in Cognitive Science
University of Arizona, Tucson, AZ
Doctoral Project: *Improving Understanding of Emotional Speech Acoustic Content*
- 2007 MA in Computational Linguistics
University of Washington, Seattle, WA
Thesis: *Challenges to Automatic Speech Recognition: An Analysis of Adolescent Collaborative Group Meetings*
- 2004 BA in Linguistics, minor in Spanish
University of Washington, Seattle, WA

PUBLICATIONS

1. **Tinnemore, A. R.**, Zion, D. J., Kulkarni, A. M., & Chatterjee, M. (2018). Children's recognition of emotional prosody in spectrally degraded speech is predicted by their age and cognitive status. *Ear and Hearing, 39*(5), 874-880.
2. Waddington, E., Jaekel, B. N., **Tinnemore, A. R.**, Gordon-Salant, S., & Goupell, M. (2020). Recognition of accented speech by cochlear-implant listeners: Benefit of audiovisual cues. *Ear and Hearing, 41*(5), 1236-1250.
3. **Tinnemore, A. R.**, Gordon-Salant, S., & Goupell, M. J. (2020). Audiovisual speech recognition with a cochlear implant and increased perceptual and cognitive demands. *Trends in Hearing, 24*, 2331216520960601.
4. Bieber, R. E., **Tinnemore, A. R.**, Yeni-Komshian, G., & Gordon-Salant, S. (Submitted). Younger and older adults show nonlinear, stimulus-dependent performance during early stages of auditory training for non-native English. *Journal of the Acoustical Society of America*.
5. **Tinnemore, A. R.**, Evans, L., Gordon-Salant, S., & Goupell, M. J. (In preparation). The intelligibility of time-compressed speech as a function of age in listeners with cochlear implants or normal hearing.
6. **Tinnemore, A. R.**, Bieber, R. E., Yeni-Komshian, G., & Gordon-Salant, S. (In preparation). Benefits of a training protocol for recognition of non-native English sentences by older listeners.

GRANTS AND FELLOWSHIPS

5/2014 – 8/2014 **T35 DC008757-08**, “Short-Term Research Training for AuD Students.” National Institute on Deafness and Other Communication Disorders.
Role: Tinnemore (Trainee)

AWARDS AND HONORS

2015 Galileo Circle Scholar
2017 Aging & Speech Communication Conference Travel Award
2019 Aging & Speech Communication Conference Travel Award

CERTIFICATIONS

2021 – present Certificate of Clinical Competency – Audiology (CCC-A) from the American Speech-Language-Hearing Association (ASHA)

CONFERENCE PRESENTATIONS – National and International Conferences

1. **Tinnemore, A.R.**, and Chatterjee, M. (2015, February). *The incomplete role of the pitch contour in voice emotion transmission*. Poster presented at the 38th MidWinter Meeting of the Association for Research in Otolaryngology, Baltimore, MD.
2. **Tinnemore, A.R.**, and Chatterjee, M. (2015, March). *Voice emotion recognition: Developmental age and spectral resolution*. T35 Poster presented at the 42nd meeting of the American Auditory Society, Scottsdale, AZ.
3. **Tinnemore, A.R.**, Goupell, M. J., & Gordon-Salant, S. (2018, March). *Visual Distraction: Age and Cochlear Implants*. Poster presented at the 45th Meeting of the American Auditory Society, Scottsdale, AZ.
4. **Tinnemore, A. R.**, Evans, L., Gordon-Salant, S., & Goupell, M. J. (2018, May). *Processing speed and age predict recognition of spectro-temporally degraded speech*. Poster presented at the 175th Meeting of the Acoustical Society of America, Minneapolis, MN.
5. Waddington, E., Jaekel, B. N., **Tinnemore, A.**, Gordon-Salant, S., & Goupell, M. J. (2018, May). *Audiovisual benefit in the perception of foreign-accented speech by cochlear-implant users*. Poster presented at the 175th Meeting of the Acoustical Society of America, Minneapolis, MN.
6. **Tinnemore, A. R.**, Goupell, M. J., Gordon-Salant, S. (2019, February). *The effect of visual distraction on the speech understanding of listeners with cochlear implants*. Poster presented at the 42nd MidWinter Meeting of the Association for Research in Otolaryngology, Baltimore, MD.
7. **Tinnemore, A. R.**, Gordon-Salant, S., & Goupell, M. J. (2019, July). *Visual distraction diminishes speech understanding in cochlear-implant listeners*. Poster presented at the Conference of Implantable Auditory Prostheses, Lake Tahoe, CA.
8. Waddington, E., Jaekel, B. N., **Tinnemore, A.**, Gordon-Salant, S., & Goupell, M. J. (2019, November). *Age-related deficits in Spanish-accented speech understanding for cochlear-implant listeners are partially overcome with audiovisual presentation*. Poster presented at the 2019 Aging and Speech Communication Conference, Clearwater Beach, FL.
9. **Tinnemore, A.R.**, Bieber, R.E., Gordon-Salant, S. (2019, November). *Benefits of a Time-Expansion Training Protocol for Recognition of Non-Native Speech by Older Listeners*. Poster presented at the 2019 Aging and Speech Communication Conference. Clearwater Beach, FL.

10. Bieber, R. E., **Tinnemore, A. R.**, Gordon-Salant, S. (2020, December). *Insights into rapid adaptation to Spanish-accented English words in younger and older adults*. Poster presented at Acoustics Virtually Everywhere: Acoustical Society of America, Virtual.

CONFERENCE PRESENTATIONS – Campus events

1. **Tinnemore, A. R.**, Bieber, R. E., Gordon-Salant, S. (2017, October). *Why do older listeners have trouble with accented speech?: Findings from the Hearing Research Lab*. Poster presented at Language Science Day, College Park, MD.
2. Jaekel, B. N., Waked, A., **Tinnemore, A.**, Cleary, M., Waddington, E., Wilkinson, T., Wilson, L., Newman, R. S., Gordon-Salant, S., & Goupell, M. J. (2017, October). *Cochlear implant research at UMD: Exploring how auditory prostheses impact language processing and comprehension*. Poster presented at Language Science Day, College Park, MD.
3. **Tinnemore, A. R.**, Shader, M., Goupell, M. J., & Gordon-Salant, S. (2018, October). *Why study listeners with cochlear implants?* Poster presented at Language Science Day, College Park, MD.
4. Jaekel, B. N., **Tinnemore, A. R.**, Milvae, K. D., Xie, Z., Weinstein, S., Gaskins, C., Shader, M., Kuchinsky, S., Stakhovskaya, O., Newman, R., Anderson, S., Gordon-Salant, S., & Goupell, M. J. (2019, September). *Cochlear implant research at UMD: How auditory prostheses impact speech and language perception*. Poster presented at Language Science Day, College Park, MD.

CAMPUS/DEPARTMENTAL TALKS

1. **Tinnemore, A. R.** (2016, July). *Improving understanding of emotional speech acoustic content*. Talk presented at the University of Arizona in fulfillment of the public dissemination requirement of the audiology doctoral project.
2. **Tinnemore, A. R.**, Zion, D. J., Kulkarni, A., and Chatterjee, M. (2018, January). *Children’s Recognition of Emotional Prosody in Spectrally-Degraded Speech*. Talk presented at the Mid-Atlantic Seminar on Hearing, College Park, MD.
3. **Tinnemore, A. R.** (2019, February). *What can background noise do for you? Or a tale of two conditions*. Talk presented at the Mid-Atlantic Seminar on Hearing, College Park, MD.
4. Waddington, E., Jaekel, B. N., **Tinnemore, A.**, Gordon-Salant, S., and Goupell, M. J. (2019, February). *The audiovisual effects of perceived accented speech on cochlear-implant users*. Talk presented at the Mid-Atlantic Seminar on Hearing, College Park, MD.
5. **Tinnemore, A. R.** (2019, March). *Visual distraction and speech understanding*. Talk presented at the Neuroscience and Cognitive Science Program Student Seminar.

TEACHING AND MENTORSHIP EXPERIENCE

2015 – 2016	<u>Teaching Assistant / Instructor</u> for Speech, Language, and Hearing Sciences 587A: “Lab for Amplification I” at the University of Arizona. Taught first-year audiology graduate students basic hearing aid operation, cleaning, and maintenance.
2017 – 2019	<u>Co-mentor</u> to undergraduate and Maryland Summer Scholar, Emily Waddington, as she completed her honors project, “Audiovisual benefit in the perception of foreign-accented speech by cochlear-implant users,” in the Auditory Perception and Modeling Lab.
2017 – 2020	<u>Supervisor</u> to three graduate students and two undergraduate students in the Hearing Research Lab. Trained students to follow laboratory procedures, develop stimuli, test

and set-up equipment, recruit participants, perform screening and experimental protocols with participants, and score results.

- Summer 2018 Teaching Assistant for the College of Behavioral and Social Sciences: “Math Camp: Statistics Refresher Course for Incoming PhD Students”, University of Maryland. Taught practical lab sessions on using the statistical program, R, for three hours every day of the week-long course.
- Spring 2020 Guest Lecturer for one lecture of Dr. Matthew Goupell’s class, Hearing & Speech Sciences 407: “Bases of Hearing Science” at the University of Maryland.
- Summer 2020 Teaching Aide for Dr. Matthew Goupell’s class, Hearing and Speech Sciences 634: “Anatomy and Physiology of the Auditory and Vestibular Systems”. Generated online quizzes and content to convert from in-person to online class due to the COVID-19 pandemic.
- 2020 - 2021 Mentor to Audiology graduate student Rebecca Higgins Kelly in the Auditory Perception and Modeling Lab.

RESEARCH EXPERIENCE

- 2014 **Auditory Prostheses and Perception Laboratory** – Boys Town National Research Hospital
Mentor: Dr. Monita Chatterjee
Studied vocal emotion recognition with spectrally degraded speech in children (6-18 years old).
- 2017 – present **Hearing Research Lab** – University of Maryland
Mentor: Dr. Sandra Gordon-Salant
Studied auditory temporal processing and speech perception in younger (18-30 years old) and older (65-85 years old) adults with normal hearing and older adults with hearing impairment. .
- 2017 – present **Auditory Perception & Modeling Lab** – University of Maryland
Mentor: Dr. Matthew Goupell
Studied impacts of noise, visual distractions, and aging on speech perception in users of cochlear implants.

SERVICE AND PROFESSIONAL ACTIVITIES

- 2017 – 2018 Ph.D. Student Representative to the Hearing and Speech Sciences Department faculty meetings at the University of Maryland.
- 2017 – 2019 Student Member of the NACS-fest (Recruitment Event) Committee for the University of Maryland Neuroscience and Cognitive Science Program.
- 2018 – 2019 Student Co-Travel Liaison to the Neuroscience and Cognitive Science Seminar’s invited speakers. Drove speakers to and from the airport.

- 2019 – 2020 Representative for the Neuroscience and Cognitive Science Program to the College of Behavioral and Social Sciences' Dean's Graduate Student Advisory Council.
- 2020 - present President of the Students of Neuroscience and Cognitive Science organization.
- 2021 Mentored Reviewer for Journal of Speech, Language, and Hearing Research.