

# Ashley Parker, Ph.D.

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## EDUCATION

- Ph.D. Speech, Language, and Hearing Sciences**, University of Connecticut, 2022  
Dissertation: “The Protein *Prestin* as a Biological Marker for Inner-Ear Function”  
Advisor: Dr. Erika Skoe
- M.A. Linguistics**, Indiana University, 2016
- B.A. English, Secondary Ed.**, Eastern Connecticut State University, *cum laude*, 2014

## RESEARCH INTERESTS

Auditory electrophysiology including the auditory brainstem response and otoacoustic emissions, blood-based markers of hearing, hearing loss, auditory system development and aging, cognition, and language

## POSITIONS HELD/RESEARCH EXPERIENCE

- 2022-Present      Post-Doctoral Associate, Sound Brain Lab, University of Pittsburgh  
Mentors: Dr. Bharath Chandrasekaran and Dr. Mandy Hampton Wray
- 2018-2022      Doctoral Student, Auditory Brain Research Lab, University of Connecticut  
Mentor: Dr. Erika Skoe
- Summer 2021      Graduate Research Assistant, B.R.A.I.N Camp, University of Connecticut  
Mentors: Dr. Fumiko Hoeft, Dr. Devin Kearns, and Dr. Silvia Clement-Lam
- Summer 2018      Graduate Research Assistant, Spoken Language Processing Lab, University of Connecticut  
Mentor: Dr. Rachel Theodore
- 2015-2016      Graduate Research Assistant, The LINGUIST List, Indiana University  
Mentors: Dr. Damir Cavar and Dr. Malgorzata Cavar

## PUBLICATIONS

### *Peer-Reviewed Articles*

**Parker, A.**, Parham, K., & Skoe, E. (Under Review). Age-related declines to serum prestin levels in humans.

**\*Parker, A.**, \*Skoe, E., Tecoulesco, L., & Naigles, L. (Under Review). A Home-Based Approach to Auditory Brainstem Response Measurement: Proof-of-Concept and Practical Guidelines. (\*co-first authors)

**Parker, A.**, Parham, K., & Skoe, E. (2022). Noise exposure levels predict blood levels of the inner ear protein prestin. *Scientific Reports*, 12(1), 1-12.

**Parker, A.,** Parham, K., & Skoe, E. (2021) Reliability of Serological Prestin Levels in Humans and its Relation to Otoacoustic Emissions, a Functional Measure of Outer Hair Cells. *Ear and Hearing*, 42(5), 1151-1162.

**Parker, A.,** Slack, C., & Skoe, E. (2020). Comparisons of Auditory Brainstem Responses Between a Laboratory and Simulated Home Environment. *Journal of Speech, Language, and Hearing Research*, 63(11), 3877-3892.

#### ***Non-Peer-Reviewed Articles***

Tufts, J., **Parker, A.,** Skoe, E. (2020). Assessing the Representativeness of Weeklong 24-Hour Dosimetry. *Spectrum: A Publication of the National Hearing Conservation Association*, 37(3), 16-20.

#### ***Invited Blog Posts***

**Parker, A.,** & Skoe, E. (2021, August 4). Home is Where the... ABR Testing Happens! [Blog Post]. Hearing Health Matters: Pathways. <https://hearinghealthmatters.org/pathways/2021/home-is-where-theabr-testinghappens/>

#### ***Edited Volumes***

Skoe, E. and **Parker, A.** Updates in Electrophysiological Measures. (In Prep). *Seminars in Hearing*.

Bunger, A., Lotven, S., Weirich, P., Zhang, Y., Raynor, E., **Parker, A.** & Bongiovanni, S. Innovations in Linguistic Education Volumes 1-5 (Digital Reissue). (2017). *Indiana University Linguistics Club Working Papers*, Bloomington, IN.

### **TEACHING EXPERIENCE**

#### **Instructor of Record**

Fall 2021	SLHS 1150: Introduction to Communication Disorders, University of Connecticut
-Spring 2022	SLHS 2203: Anatomy and Physiology of Speech, Hearing, and Swallowing, University of Connecticut
Fall 2020 - Spring 2021	SLHS 4245W: Neuroscience of Cognitive and Communication Disorders (Writing Section), University of Connecticut
Fall 2019	SLHS 4254W: Language Disorders in Children (Writing Section), University of Connecticut
Spring 2018	LING 1010: Language and Mind (3 Discussion Sections), University of Connecticut
Fall 2017	SLHS 5322: Electrophysiology Techniques and Interpretation I (Instructor: Dr. Erika Skoe)

#### **Lab Assistant**

#### **Teaching Assistant**

Fall 2020	SLHS 1150: Introduction to Communication Disorders, University of Connecticut (Instructor: Nicole Cruse)
Fall 2020	SLHS 1150: Introduction to Communication Disorders, University of Connecticut (Instructor: Amanda Wadams)
Spring 2020	SLHS 1150: Introduction to Communication Disorders, University of Connecticut (Instructor: Dr. Adrian Garcia-Sierra)

Spring 2020 COGS 2201: Foundations of Cognitive Science, University of Connecticut (Instructors: Dr. Mitchell Green and Dr. Letitia Naigles)  
Spring 2014 ENG 341: Modern American Grammar, Eastern Connecticut State University (Instructor: Dr. Elena Tapia)

### Guest Lecturer

Spring 2022 SLHS 2203: Anatomy & Physiology of Speech, Hearing, and Swallowing (Instructor: Dr. Erika Skoe)  
Fall 2021 SLHS 5322: Electrophysiology Techniques and Interpretation I (Instructor: Dr. Erika Skoe)  
Fall 2020 SLHS 1150: Introduction to Communication Disorders, University of Connecticut (Instructor: Nicole Cruse)  
Fall 2019 SLHS 1150: Introduction to Communication Disorders, University of Connecticut (Instructor: Amanda Wadams)  
Fall 2019 SLHS 4254W: Language Disorders in Children, University of Connecticut (Instructor: Yara Aljahlan)  
Fall 2019 SLHS 3248: Introduction to Audiology, University of Connecticut (Instructor: Sarah Camera)  
Spring 2018 COGS 3584 - Seminar in Cognitive Science, University of Connecticut (Instructor: Dr. Erika Skoe)

### PRESENTATIONS

Poster

2021 **Parker, A.,** Slack, C., & Skoe, E. Comparisons between in-home and laboratory-based auditory brainstem response testing. *American Academy of Audiology Conference*. Held Virtually. April 14-16.  
2021 **Parker, A.,** Slack, C., & Skoe, E. Comparisons Between In-Home and Laboratory-Based Auditory Brainstem Response Testing Using Portable Equipment. *Association for Research in Otolaryngology Midwinter Meeting*. Held Virtually. February 20-24.  
2020 **Parker, A.,** Parham, K. & Skoe, E. Characterization of Serum Prestin as a Biomarker of Inner Ear Health. *American Academy of Otolaryngology-Head and Neck Surgery Annual Meeting*. Held Virtually. September 13-16.  
2020 **Parker, A.,** Parham, K. & Skoe, E. Measuring Serum Prestin Levels in Normal Hearing. *American Academy of Audiology Conference*. Held Virtually. April 1-4.  
2020 **Parker, A.,** Skoe E., & Tufts, J. Agreement Across Different Measures of Noise Exposure in College Students. *National Hearing Conservation Annual Conference*. Destin, FL. February 20-22.  
2020 **Parker, A.,** Parham, K. & Skoe, E. Test-Retest Reliability of Serum Prestin Levels and their Relationship to Otoacoustic Emissions. *Association for Research in Otolaryngology Midwinter Meeting*. San Jose, California. January 24-29.  
2020 **Parker, A.,** Tufts, J. & Skoe, E. Reliability of Personal Noise Dosimetry. *Association for Research in Otolaryngology Midwinter Meeting*. San Jose, California. January 24-29.  
2019 **Parker, A.,** Camera S., & Skoe, E. Electrophysiological Indices of Noise Exposure in College Students: A Repeated Measures Approach to ABRs. *American Academy of Audiology Conference*. Columbus, OH. March 28-29.

Updated: May 31, 2022

- 2018 **Parker, A.**, Scarpati, E., & Skoe, E. Disentangling Auditory and Linguistic Factors in Bilingual Speech Perception in Noise. *Language Fest* at University of Connecticut, Storrs, CT. April 28.
- 2017 **Parker, A.**, Grela, B., Yee, E., Davis, C., & Aljahlan, Y. Concept Organization in Specific Language Impairment. *Language Fest* at University of Connecticut, Storrs, CT. April 29.
- 2011 **Parker, A.**, Osiecki, M., & Schwartz, Z. Service Learning in Education. *11<sup>th</sup> Annual Excellence Expo* at Eastern Connecticut State University, Willimantic, CT. April 11.

## Podium

- 2021 **Parker, A.**, Slack, C., & Skoe, E. Comparisons between in-home and laboratory-based auditory brainstem response testing. *Language Fest* at University of Connecticut, Storrs, CT. April 29.
- 2020 **Parker, A.** Serological Markers of Inner-Ear Function: Can Hearing Loss Be Detected through a Blood Test? Hearing Loss Association of America – Eastern Connecticut Chapter, Storrs, CT. February 15.
- 2019 Skoe E., Tufts, J., **Parker, A.**, & Camera, S. An Acoustical, Behavioral, and Biological AuDyssey into Noise Exposure. SLHS Colloquium Series, Storrs, CT. March 6.
- 2018 **Parker, A.** Functional plasticity of phonetic category structure in children. SLHS Colloquium Series, Storrs, CT. September 5.
- 2018 **Parker, A.** Disentangling Auditory and Linguistic Factors of Bilingualism. CT Institute for Brain and Cognitive Sciences Meet & Speak, Storrs, CT. May 8.
- 2014 **Parker, A.** Dr. Seuss and the (Mis)Uses of Political Messages by Audiences of Horton Hears a Who and the Lorax. *English Night* at Eastern Connecticut State University, Willimantic, CT. April 28.

## SERVICE

- 2021 National Student Speech Language Hearing Association (NSSLHA) UConn Chapter – *Guest speaker*
- 2020 National Student Speech Language Hearing Association (NSSLHA) UConn Chapter – *Guest speaker*
- 2019 Preschool Hearing Screenings, University of Connecticut – *Technician*
- 2018 January-Term Primers (Neurobiology of Language Program), University of Connecticut – *Committee chair*
- 2017-2020 Language Fest, University of Connecticut – *Committee member*
- 2017 January-Term Primers (Neurobiology of Language Program), University of Connecticut – *Committee member*
- 2016 Midwest Speech and Language Days and Midwest Computational Linguistics Colloquium 2016, Indiana University – *Committee member*
- 2016 10th Annual Linguistics Department Graduate Student Conference, Indiana University – *Committee chair*
- 2016 North American Computational Linguistics Olympiad – *Grader*
- 2015-2016 Linguistics Department, Indiana University – *Graduate Student President*
- 2015-2016 Linguistics Club Colloquium Series Committee, Indiana University – *Committee chair*

2015 The 20th Midcontinental Workshop on Phonetics and Phonology, Indiana University – *Committee member*  
 2014 Disability Services, Indiana University–*Sighted assistant in linguistics*  
 2010-2013 Education Club, Eastern Connecticut State University–*Member*

## HONORS AND AWARDS

Fall 2021 Outstanding Professor of the Week, University of Connecticut Marching Band, University of Connecticut  
 Summer 2021 Innovation Funding Award, Science of Learning and Art of Communication NRT, University of Connecticut  
 Summer 2021 Innovation Funding Award, Neurobiology of Language Program, University of Connecticut  
 Fall 2020 Provost Teaching Commendation, University of Connecticut  
 Fall 2020 Doctoral Dissertation Fellowship, The Graduate School, University of Connecticut  
 Summer 2020 Summer Fellow, CT Institute for the Brain and Cognitive Science  
 Spring 2020 Doctoral Student Travel Fellowship, The Graduate School, University of Connecticut  
 Spring 2020 Fellow-In-Training Travel (FITT) Grant, American Academy of Audiology  
 Spring 2020 Travel Award, Association for Research in Otolaryngology  
 Fall 2019 Student Research Grant in Audiology, American Speech-Language-Hearing Foundation  
 Summer 2019 Innovation Funding Award, Science of Learning and Art of Communication NRT, University of Connecticut  
 2018-Present Fellow, National Science Foundation Research Traineeship (NRT): Science of Learning and Art of Communication  
 2016-Present Associate, NSF IGERT: Language Plasticity – Genes, Brain, Cognition & Computation, University of Connecticut  
 Fall 2017 Provost Teaching Commendation, University of Connecticut  
 Summer 2017 Summer Fellow, CT Institute for the Brain and Cognitive Science  
 2013-2014 Sigma Tau Delta (Honor Society in English)  
 2010-2014 Dean’s List

## PROFESSIONAL AFFILIATIONS

2019—Present Association for Research in Otolaryngology (ARO)  
 2018 – 2022 Student Academy of Audiology (SAA)  
 2019 – 2020 National Student Speech Language Hearing Association (NSSLHA)

## TECHNICAL SKILLS

**Data Acquisition and Analysis** (Audera, Bio-logic, Brain Vision)  
**Eyetracking** (EyeLink)  
**Acoustic Analysis** (Praat)  
**Experiment Programming** (Experiment Builder software)  
**Statistics** (Matlab, SPSS)