

# Ashley Parker, Ph.D.

University of Pittsburgh  
Department of Communication Science & Disorders  
Forbes Tower 5048A  
[ashley.parker@pitt.edu](mailto:ashley.parker@pitt.edu)

## 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

Certificate in: Neurobiology of Language

**M.A. Linguistics**, Indiana University, 2016

**B.A. English, Secondary Ed.**, Eastern Connecticut State University, *magna cum laude*, 2014

## RESEARCH INTERESTS

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

## POSITIONS HELD/RESEARCH EXPERIENCE

2024-Present	Visiting Assistant Professor, Department of Communication Science and Disorders, University of Pittsburgh
2022-2024	Post-Doctoral Associate, Brain Systems for Language Lab, University of Pittsburgh Mentor: Dr. Mandy Hampton Wray Co-Mentor: Dr. Bharath Chandrasekaran
2023-Present	Research Consultant, Boystown National Research Hospital
2017-2022	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 Hoelt, 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. (2022). Age-related declines to serum prestin levels in humans. *Hearing Research*, 426, 1-10.

**Parker, A.**, Skoe, E., Tecoulesco, L., & Naigles, L. (2022). A Home-Based Approach to Auditory Brainstem Response Measurement: Proof-of-Concept and Practical Guidelines. *Seminars in Hearing*, 43(3), 177-196.

**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. (2022). *Seminars in Hearing*, Thieme Medical Publishers, Inc.

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 2024	CSD 1024: Anatomy and Physiology of Hearing, University of Pittsburgh
Fall 2021	SLHS 1150: Introduction to Communication Disorders, University of Connecticut
-Spring 2022	of Connecticut
Fall 2020 -	SLHS 2203: Anatomy and Physiology of Speech, Hearing, and Swallowing,
Spring 2021	University of Connecticut
Fall 2019	SLHS 4245W: Neuroscience of Cognitive and Communication Disorders, University of Connecticut
Spring 2018	SLHS 4254W: Language Disorders in Children, University of Connecticut
Fall 2017	LING 1010: Language and Mind, University of Connecticut

### **Lab Instructor**

Fall 2020, 2021 SLHS 5322: Electrophysiology Techniques and Interpretation I

### **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

- Fall 2023 CSD 3049: Translational Challenges in Communication Science and Disorders: Neuroimaging (Dr. Christopher Brown)
- Spring 2023 SLHS 6402: Hearing Conservation/Industrial Audiology (Dr. Jackie DiFrancesco)
- Spring 2023 CSD 1021: Language Development (Instructor: Dr. Mandy Hampton Wray, Pitt)
- Fall 2022 CSD 1024: Anatomy & Physiology of Hearing (Instructor: Dr. Nicole Corbin, Pitt) (3 classes)
- Spring 2022 SLHS 2203: Anatomy & Physiology of Speech, Hearing, and Swallowing (Instructor: Dr. Erika Skoe, UConn) (2 classes)
- Fall 2021 SLHS 5322: Electrophysiology Techniques and Interpretation I (Instructor: Dr. Erika Skoe, UConn)
- Fall 2020 SLHS 1150: Introduction to Communication Disorders, University of Connecticut (Instructor: Nicole Cruse, UConn)
- Fall 2019 SLHS 1150: Introduction to Communication Disorders, University of Connecticut (Instructor: Amanda Wadams, UConn)
- Fall 2019 SLHS 4254W: Language Disorders in Children, University of Connecticut (Instructor: Yara Aljahlan, UConn)
- Fall 2019 SLHS 3248: Introduction to Audiology, University of Connecticut (Instructor: Sarah Camera, UConn)
- Spring 2018 COGS 3584: Seminar in Cognitive Science, University of Connecticut (Instructor: Dr. Erika Skoe, UConn)

### PRESENTATIONS

#### Poster

- 2024 McClue, H., Mizra, M., Adamczyk, P., **Parker, A.**, Skoe, E., Parham., K., Western Blot Characterization of Human Serum Prestin , an Outer Hair Cell Biomarker. *American Otological Society Annual Meeting*. Chicago, IL. May 17-19.
- 2023 **Parker, A.**, McHaney., J.R., Coleman, B., Chandrasekaran, B., Hampton Wray, A. Phonological Awareness and the Impact of Noise Level on Speech Perception. *American Speech, Language, and Hearing Association Convention*. Boston, MA. November 16-18.
- 2023 **Parker, A.**, McHaney, J.R., Xie, Z., Chandrasekaran, B., & Hampton Wray, A. Cortical Tracking of Continuous Speech-In-Noise: Children’s Use of Linguistic and Acoustic Information. *Association for Research in Otolaryngology Midwinter Meeting*. Orlando, FL. February 11-15.
- 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.
- 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.
- 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

- 2024 **Parker, A.**, Neural Mechanisms of Speech Sound Perception: Impacts of Noise, Development, and Language. Speech-Language Pathology Lunch-and-Learn at Duquesne University, Pittsburgh, PA. January 18. (Invited)
- 2023 **Parker A.**, Neural Mechanisms of Complex Speech Sound Perception in Children and Adults. Speech-Language Pathology Brown Bag at Sacred Heart University, Fairfield, CT. October 11. (Invited)
- 2022 **Parker, A.**, The Protein Prestin as a Biological Marker for Inner-Ear Function. Research Roundtable at University of Pittsburgh, Pittsburgh, PA. October 5.
- 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. (Invited)
- 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. (Invited)

- 2018 **Parker, A.** Functional plasticity of phonetic category structure in children. SLHS Colloquium Series, Storrs, CT. September 5. (Invited)
- 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

- 2024 Student Academy of Audiology (SAA) Pitt Chapter – *Guest speaker*
- 2024 Healthcare Professional Prep for High Schoolers at University of Pittsburgh – *Communication Sciences and Disorders team lead*
- 2023 Pittsburgh Public Schools Gifted Program – *Science fair judge*
- 2022 Mission of Mercy Pittsburgh – *Volunteer audiology assistant*
- 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 J-Term Primers (Neurobiology of Language Program), University of Connecticut – *Committee chair*
- 2017-2020 Language Fest, University of Connecticut – *Committee member*
- 2017 J-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

- Summer 2024 Protégé, ASHA Pathways Program
- Fall 2023 Travel Award, Audiology/Hearing Science Research (ARTA), American Speech-Language-Hearing Association
- Fall 2021 Outstanding Professor of the Week, 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
- Spring 2020 Provost Teaching Commendation, 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 (FIT) 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
Fall 2019	Provost Teaching Commendation, University of Connecticut
Summer 2019	Innovation Funding Award, Science of Learning and Art of Communication NRT, University of Connecticut
2018-2022	Fellow, National Science Foundation Research Traineeship (NRT): Science of Learning and Art of Communication
2016-2022	Associate, NSF IGERT: Language Plasticity – Genes, Brain, Cognition & Computation, University of Connecticut
Spring 2018	Provost Teaching Commendation, 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

## MENTORING

### Doctor of Audiology Students

2022-Present	Olivia Flemm (Pitt)	2021-2022	Keonseok Yoon (UConn)
2019-2022	Kassander Thompson (UConn)	2019-2020	Candace Slack (UConn)
2019-2020	Erica Scarpati (UConn)	2018-2019	Michael Figueredo (UConn)
2018-2019	Sarah Caldwell (UConn)	2018-2019	Paige Kingsley (UConn)

### Undergraduate Research Assistants

2023-Present	Shaina Wasileski (Pitt)	2023-Present	Megan Hallihan (Pitt)
2023-Present	Alison Alexis (Pitt)	2023-Present	Megan Kuhn (Pitt)
2023-Present	Maya Kang (Pitt)	2023-Present	Liz Scabilloni (Pitt)
2023-2024	Maddie Fortunato (Pitt)	2023-2024	Marissa Alda (Pitt)
2023-Present	Abby Block (Pitt)	2023	Sophie Slater (Pitt)
2021-2022	Casey Martin (UConn)	2021-2022	Morgan Main (UConn)
2021	Cassandra Speight (UConn)	2019-2020	Jacob McCoy (UConn)
2018-2019	Helena Sun (UConn)	2018-2019	Kassander Thompson (UConn)
2018-2019	Claire Murphy (UConn)	2018-2019	Corinne Zazzaro (UConn)
2018	Giuseppe Amenta (UConn)	2017	Wesley Paulsen (UConn)
2017	Amanda Lapierre (UConn)	2017	Anne Johnson (UConn)
2017	Theresa Conlon (UConn)		

### Undergraduate Honors Projects

2022	Rohan Mistry (UConn)	2021	Rachel Cieplak (UConn)
2020	Haley Iovino (UConn)	2020	Olivia Dwight (UConn)

### **High School Students**

2022 Dasha Sandal (Canton High School, Canton, CT)  
2022 Cassidy Mineo (Shady Side Academy, Pittsburgh, PA)  
2022 Zoey Miller (Shady Side Academy, Pittsburgh, PA)  
2022 Savita Thompson (Shady Side Academy, Pittsburgh, PA)  
2022 Marysia Brown (Winchester Thurston School, Pittsburgh, PA)

### **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**

**Electrophysiology Data Acquisition and Analysis** (Audera, Bio-logic, Brain Vision, Intelligent Hearing Systems, Mimosa Acoustics)

**Eyetracking** (EyeLink)

**Acoustic Analysis** (Praat)

**Experiment Programming** (Experiment Builder, Matlab, PsychoPy, Presentation)

**Statistics** (Matlab, R, Python, SPSS)

**Survey/Database Management** (REDCap, Qualtrics)