

## Courtney C. Glavin, Au.D., Ph.D.

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<https://hearinglab.org>

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### EDUCATION

- Ph.D., Northwestern University**, Evanston, IL 2024  
Communication Sciences and Disorders (CSD)  
*Dissertation Title: Evaluating Human Cochlear Aging Using Otoacoustic Emissions (OAEs)*
- Doctor of Audiology (Au.D.), Northwestern University**, Evanston, IL 2013
- Bachelor of Science (B.S.), Northwestern University**, Evanston, IL 2010  
**Major:** Communication Sciences and Disorders  
**Minor:** Psychology  
Graduated *cum laude*

### APPOINTMENTS AND AFFILIATIONS

- University of Washington**, Seattle, WA  
**Assistant Professor**, Department of Speech & Hearing Sciences 2024 –  
Affiliate: Virginia Merrill Bloedel Hearing Research Center 2025 –

### RESEARCH INTERESTS

Timely detection and differentiation of hearing loss; age-related hearing loss; noise-induced hearing loss; cochlear mechanics; otoacoustic emissions (OAEs); electrophysiology

### RESEARCH SUPPORT

#### Completed

- NIH/NIDCD Research Dissertation Fellowship for Au.D. Audiologists (F32 DC019557) 2021 – 2024  
**Title:** *Evaluating Human Cochlear Aging Using Otoacoustic Emissions (OAEs)*  
**Project Period:** 04/01/2021 – 03/31/2024  
**Total Direct Costs (3 years):** \$250,998

### PUBLICATIONS

#### Refereed

**Glavin, C.C. & Dhar, S. (2025).** Cochlear tuning in early aging estimated with three methods. *Trends in Hearing, 29*, 23312165251364675. <https://doi.org/10.1177/23312165251364675>.

**Glavin, C.C. & Dhar, S. (2025).** The ins and outs of distortion product otoacoustic emission (DPOAE) growth: A review. *J Assoc Res Otolaryngol, 26*(1), 17-32. <https://doi.org/10.1007/s10162-024-00969-8>.

**Glavin, C.C., Dhar, S. & Goodman, S. (2023).** Measurement of swept level distortion product otoacoustic emission (DPOAE) growth functions at multiple frequencies simultaneously. *JASA-EL*, 3(6), 064401. <https://doi.org/10.1121/10.0019578>.

**Glavin, C.C., Siegel, J. & Dhar, S. (2021).** Distortion product otoacoustic emission (DPOAE) growth in aging ears with clinically normal behavioral thresholds. *J Assoc Res Otolaryngol*, 22(6), 659-680. <https://doi.org/10.1007/s10162-021-00805-3>.

Wright, B., LeBlanc, E., Little, D.F., Conderman, J., **Glavin, C.C.** (2019). Semi-supervised learning of a non-native phonetic contrast: How much feedback is enough? *Atten Percept Psychophys*, 81(4), 927-934.

#### In preparation

Christensen, H.N., **Glavin, C.C.**, Goodman, S., & Dhar, S. Comparison of two methods of measuring distortion product otoacoustic emission (DPOAE) input-output functions. *In prep.*

**Glavin, C.C. & Dhar, S.** Assessing early cochlear aging via growth of distortion and reflection otoacoustic emissions (OAEs). *In prep.*

**Glavin, C.C., McFarlane, K., Dhar, S., & Sanchez, J.T.** Comparing metrics of cochlear and auditory brainstem function in young and early-aged ears. *In prep.*

#### Other

**Glavin, C.C., McFarlane, K.A., & Sanchez, J.T. (2019).** Hearing speech in noisy environments. *Open Access Government*, 176-177.

Seitz, K. & **Coburn, C.** (2017). Music streaming with Halo 2: Fitting tips for success. *Innovations Magazine*, 7(1), 28-33.

**Coburn, C. Wolfe, A., Musich, M., & Dobson, B. (2014).** VFusion: An inside look at the design and clinical validation of the VFusion rechargeable hearing aid battery charger. *Innovations Magazine*, 4(2), 28-33.

### PATENTS

Dhar, S., **Glavin, C.**, & Goodman, S. Measurement of swept level otoacoustic emission (OAE) growth functions simultaneously across frequencies. U.S. Provisional Patent Application, filed February 2023.

**Coburn Glavin, C.** Hearing device incorporating dynamic microphone attenuation during streaming. U.S. Patent 10,284,969, filed December 2016, issued May 2019.

### INVITED TALKS

**Glavin, C.C. (2023, February).** *Distortions and reflections: The path towards a PhD.* Northwestern University Communication Sciences and Disorders Ph.D. Recruitment, Chicago, IL.

**Glavin, C.C. (2023, February).** *Measurement of swept level distortion product otoacoustic emissions (DPOAEs) across multiple frequencies simultaneously.* Rush University Ear Day, Chicago, IL.

**Glavin, C.C. & Dhar, S. (2021, June).** *The aging cochlea: What can we learn from otoacoustic emissions (OAEs)?* Medical University of South Carolina. *Presented via Zoom.*

Taylor, Brian (Host). (2021, December). *This Week in Hearing: Early Identification of Hearing Loss in Adults and the Limitations of the Audiogram: Interview with Courtney Coburn Glavin* [Video podcast]. <https://hearinghealthmatters.org/thisweek/2021/early-identification-hearing-loss-in-adults/>

## **POSTERS AND OTHER PRESENTATIONS**

McFarlane, K., **Glavin, C.C.**, Sanchez, J.T., & Dhar, S. (2025, February). Characterizing patterns of early aging in cochlear and auditory brainstem function. Poster session presented at the Annual Scientific and Technology Conference of the American Auditory Society, Scottsdale, AZ.

**Glavin, C.C.** & Dhar, S. (2024, December). Thinking outside the box: Characterizing cochlear aging beyond the audiogram. Presentation at the American Speech-Language-Hearing Association Convention, Seattle, WA.

**Glavin, C.C.** & Dhar, S. (2024, February). Thinking outside the box: Characterizing cochlear aging beyond the audiogram. Poster session presented at the Annual Scientific and Technology Conference of the American Auditory Society, Scottsdale, AZ.

**Glavin, C.C.**, Dhar, S., Goodman, S. (2023, February). Measurement of swept level distortion product otoacoustic emission (DPOAE) growth functions at multiple frequencies simultaneously. Poster session presented at the 46<sup>th</sup> Annual Mid-Winter Meeting of the Association for Research in Otolaryngology, Orlando, FL.

Floyd, N., **Glavin, C.C.**, Dhar, S. (2022, March). Comparison of two distortion product otoacoustic emission (DPOAE) growth measurement paradigms. Poster session presented at the Annual Scientific and Technology Conference of the American Auditory Society, Scottsdale, AZ.

Rinaolo, M., **Glavin, C.C.**, Dhar, S. (2021, March). Evidence for a shared generation mechanism of reflection-type otoacoustic emissions (OAEs). Poster session presented at the Annual Scientific and Technology Conference of the American Auditory Society, Virtual.

**Glavin, C.C.**, Wilson, U.S., Stiepan, S.M., Martin, A.I., North, R.S., Siegel, J.H. & Dhar, S. (2020, January). Understanding the aging ear: Distortion and reflection otoacoustic emissions in younger and older ears with normal behavioral thresholds. Poster presentation at the 43<sup>rd</sup> Annual Mid-Winter Meeting of the Association for Research in Otolaryngology, San Jose, CA.

Dhar, S., **Glavin, C.C.**, Wilson, U.S. (2019, July). Twice Broken: Evidence of a second break from scaling symmetry in the cochlear base. Presentation at the International Evoked Response Audiometry Study Group Biennial Conference, Sydney, Australia.

**Glavin, C.C.**, Stiepan, S.M., Wilson, U.S., Klyn, N.A.M., Siegel, J., & Dhar, S. (2019, July). Cochlear contributions to speech perception in noise in an audiometrically normal sample. Poster presentation at the Midwest Auditory Research Conference, Springfield, IL.

Wilson, U.S., **Glavin, C.C.**, Dhar, S. (2019, March). Large-scale examination of spontaneous and evoked reflection otoacoustic emissions. Poster session presented at the Annual Scientific and Technology Conference of the American Auditory Society, Scottsdale, AZ.

Seitz, K. and **Coburn, C.** (2017, March). Predictors of patient preference of hearing aid settings while streaming music. Poster session presented at the Annual Scientific and Technology Conference of the American Auditory Society, Scottsdale, AZ.

Wright, B.A., LeBlanc, E., Conderman, J., **Coburn, C.** (2015, May). Contributions of practice with feedback and testing without feedback to learning of a non-native phonetic contrast. Poster session presented at the Acoustical Society of America Biannual Conference, Pittsburgh, PA.

**Coburn, C.**, Gruhlke, A., & Wolfe, A. (2014, March). *A look behind the scenes: The key roles of audiologists in the hearing aid industry.* Educational Session presented at AudiologyNOW! 2014, Orlando, FL.

**Coburn, C.**, Jensen, K.K., & Rosenthal, J. (2014, March). Acoustic variability of occluded earbuds in receiver-in-the-canal hearing aid fittings. Poster session presented at the Annual Scientific and Technology Conference of the American Auditory Society, Scottsdale, AZ.

## **AWARDS AND HONORS**

<b>NIH/NIDCD Loan Repayment Program (LRP) Award (L30 DC023074)</b>	2025 – 2027
<b>Title:</b> <i>Towards Differential Diagnosis of Hearing Loss: Comparing Metrics of Cochlear and Neural Function in Aged and Noise-Exposed Ears</i>	
<b>Travel Award, Association for Research in Otolaryngology</b>	2023
<b>Jerger Future Leaders of Audiology Conference (JFLAC), selected attendee</b>	2022
<b>John D. &amp; Lucille H. Clark Scholarship</b>	2020 – 2021
<b>Hugh Knowles Doctor of Audiology Scholarship</b>	2010 – 2013
A full-tuition scholarship awarded annually to one student demonstrating the highest academic potential	
<b>Illinois Academy of Audiology Doctoral Scholarship</b>	2012
<b>Departmental Honors, Northwestern University</b>	2010
<b>Director's Award, Northwestern University</b>	2010
An award presented annually to the graduating student-athlete with the highest GPA	
<b>Scholastic Achievement Award, Northwestern University</b>	2010

## **TEACHING EXPERIENCE**

### *Instructor of Record*

**Hearing Science (SPHSC 461)** Spring 2025  
University of Washington  
*Enrollment:* 49 undergraduate and post-baccalaureate students

*Course Description:* This course, broadly, reviews how humans hear. The course reviews basic anatomy and physiology of both the peripheral and central auditory systems, as well as the physical properties of sound and how the auditory system uses these properties to construct an image and perception of the acoustic environment. There is also a focus on comparing normally-functioning and impaired auditory systems, as well as connecting these principles to real-world applications.

**Topics in Research Methods in Communication Disorders and Sciences (SLP 582)**

*Spring 2020*

Rush University

*Enrollment:* 40 graduate students

*Course Description:* This course covered topics in research methods that are specific to CDS students and speech-language pathology professionals, including how to evaluate and conduct research in clinical practice. Specific topics included evidence-based practice (EBP), data interpretation, intervention research designs and effects, assessment selection and evaluation, and finding and evaluating CDS research.

*Teaching Assistant*

**Evaluation of the Peripheral Hearing Mechanism (CSD 423)**

*Fall 2020*

Northwestern University

*Enrollment:* ~20 Doctor of Audiology (AuD) graduate students

**Biological Foundations of Speech and Music (CSD 310/CSD 410)**

*Winter 2020*

Northwestern University

*Enrollment:* ~60 undergraduate and graduate students

**Introduction to Hearing and Speech Acoustics (CSD 110)**

*Fall 2019*

Northwestern University

*Enrollment:* ~20 undergraduate students

**Amplification II (CSD 414)**

*Spring 2019*

Northwestern University

*Enrollment:* ~20 Doctor of Audiology (AuD) graduate students

**Evaluation & Use of Amplification Systems (CSD 411)**

*Winter 2019*

Northwestern University

*Enrollment:* ~20 Doctor of Audiology (AuD) graduate students

**ADVISING AND MENTORSHIP**

***University of Washington Audiology (AuD) Clinical Externs***

Cheng “Carney” Zeng, *University of the Pacific*

2025 –

***University of Washington Undergraduates***

Sara Chung

2025 –

***Northwestern University AuD Students (Capstones; co-advised with Dr. Sumitrajit Dhar)***

Katherine Coleman

2023 – 2024

Pranali Suresh

2023 – 2024

Maya Hecksel

2022 – 2023

Doaa Mirdad

2022 – 2023

Nahlah Floyd

2020 – 2022

Andrea Gatlin

2019 – 2020

Andrea Martin

2018 – 2019

Rachel North

2018 – 2019

***Northwestern University Undergraduates (co-advised with Dr. Sumitrajit Dhar)***

Hannah Christensen

2022 – 2024

Bronwyn McNamara

2022 – 2024

Kennedy Williams (Undergraduate Honors Thesis)

2022 – 2023

Mark Rinaolo

2019 – 2021

## PROFESSIONAL AND CLINICAL EXPERIENCE

<b>Starkey Hearing Technologies</b> , Eden Prairie, MN	
<i>Feature Manager II</i>	2016 – 2018
<i>Feature Manager I</i>	2014 – 2016
Managed the definition, design, and verification/validation of signal processing features	
<i>Clinical Product Research Audiologist I</i>	2013 – 2014
Designed and implemented alpha and beta clinical validation trials for hearing aid products	
<b>University of Pittsburgh Medical Center</b> , Pittsburgh, PA	
<i>Audiology Extern</i>	2012 – 2013

## LEADERSHIP EXPERIENCE

<b>Membership Engagement Council</b> , <i>Chair-Elect</i>	2025 –
American Academy of Audiology	
<b>Leadership Development Committee</b> , <i>Chair</i>	2023 – 2024
American Academy of Audiology	
<b>Advocacy Council</b> , <i>Chair-Elect; Chair</i>	2021 – 2023
American Academy of Audiology	
<b>Political Action Committee Advisory Board</b> , <i>Chair</i>	2019 – 2020
American Academy of Audiology	
<b>Women in Science and Engineering Research</b> , <i>Board Member/Event Chair</i>	2019 – 2021
Northwestern University	
<b>New Professionals Subcommittee</b> , <i>Chair</i>	2014 – 2017
American Academy of Audiology	
<b>Student Academy of Audiology</b> , <i>National Board of Directors Member</i>	2012 – 2013

## ADDITIONAL PROFESSIONAL SERVICE AND TRAINING

<b>Lessons for Success Conference</b> , selected attendee	2025
American Speech-Language-Hearing Association	
<b>Article Peer-Reviewer Training (APT) Program</b>	2025
American Speech-Language-Hearing Association	
<b>Membership Engagement Council</b> , <i>Member</i>	2024 – 2025
American Academy of Audiology	
<b>National Student Speech Language Hearing Association (NSSLHA)</b> , <i>Chapter Advisor</i>	2024 –
<b>Teaching Assistant (TA) Expectations Committee</b>	2021 – 2022
Northwestern University CSD Department	
<b>Research, Clinical, and Teaching Posters Subcommittee</b>	2018, 2019, 2020
American Academy of Audiology	

<b>Government Relations Committee, Member</b> American Academy of Audiology	2017 – 2019
<b>New Professionals in Audiology Conference Steering Group, Member</b> American Academy of Audiology	2017 – 2018
<b>Featured Session Subcommittee, Member</b> American Academy of Audiology	2014
<b>Student Academy of Audiology Advisory Committee (SAAAC), Member</b> American Academy of Audiology	2013 – 2016

**LICENSES AND MEMBERSHIPS**

- Association for Research in Otolaryngology
- American Academy of Audiology
- American Auditory Society
- American Speech-Language-Hearing Association
- Illinois Licensed Audiologist