

Natalie Kristine Safdar
safdar.natalie@gmail.com | (419)544-0247

Education

The Ohio State University, Doctor of Audiology	Columbus, OH May 2021
The Ohio State University, Capstone Project <i>Effortful Control and Executive Function Skills in Prelingually Deafened Children</i>	Columbus, OH August 2020
The Ohio State University, Bachelor of Art <i>Cumulative GPA, 3.9</i> <i>Suma Cum Laude, with Research Distinction in Speech and Hearing Science</i>	Columbus, OH May 2017

Professional Experience

East Carolina University, Clinical Instructor of Audiology	Greenville, NC June 2021 – current
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- Actively engaged with both patients and audiology doctoral students
- Responsible for administration of age-appropriate audiological behavioral assessments and fitting of hearing aids, using real ear verification
- Fitted Oticon and Phonak hearing technologies
- Utilized GSI TympStar, Madsen Zodiac, GSI AudioStar, GSI 61, Madsen Astera, and GSI Corti Otoacoustic Emissions Screener equipment
- Wrote pediatric cochlear implant protocol for eventual clinic use, and remained involved with CI manufacturer meetings
- Assisted with first year audiology student laboratories and simulated patients, including the curation of simulated patient cases for the curriculum (using OTIS and IHS platforms) and instructing students through laboratory assignments
- Guest lecturer in academic courses, including: undergraduate Intro to Communication Science and Disorders, Aural Rehabilitation, and Doctor of Audiology Cochlear Implant Course
- Promoted community outreach by assisting with Student Ambassador Program to raise awareness of the profession at community events
- Student Academy of Audiology faculty advisor

The Children’s Cochlear Implant Center at UNC Preceptors: Jennifer Woodard, Au. D.; Elizabeth Preston, Au. D.; Erika Gagnon, Au. D.; Melissa Anderson, Au. D.	Durham, NC May 2020 – May 2021 4 th year externship
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Performed:

- *conventional pure tone audiometry, conditioned play audiometry, visual reinforcement audiometry, pediatric cochlear implant evaluations, cochlear implant MAPping for all three manufacturers, troubleshooting across all three manufacturers, cochlear implant activations, fitting of Phonak hearing technologies*

Collected:

- *Case history for pediatric cochlear implant candidates*

Equipment:

- *GSI Audiostar Pro, GSI Tympstar*

The Ohio State University, Wexner Medical Center

Graduate Research Assistant at Buckeye Center for Hearing & Development
Primary Investigator: Irina Castellanos, Ph. D.

Columbus, OH
August 2017- May 2020

Contributed to the Adjustment, Behavior, Language, and Executive Functioning (ABLE) lab
Investigated the relationship between neurocognitive skills, like language and executive functioning, on psychosocial outcomes in preschool-aged children (3-5 years of age) who use cochlear implants.
Acted as both lab manager and primary testing facilitator

Responsibilities included, but were not limited to, the following:

- Assisting with IRB submissions
- Data organization and management
- Coordinating undergraduate research assistant interviews, conducting interviews, selecting and onboarding new undergraduate students
- Cultivating undergraduate student's individual projects to allow for independent research opportunities within the greater laboratory
- Engaging in community outreach
- Recruitment of testing participants via email, telephone, and community engagement
- Training new undergraduate students on lab protocol, including testing procedures, parental consent obtainment, and data entry

The Ohio State University, OSU Speech-Language-Hearing Clinic

Specialized Intensive Audiologic Revitalization Conference (SIARC)

Columbus, OH
June 2018

Interactive and rehabilitative program for participants with hearing loss and their primary communication partners to learn about hearing loss and methods to empower participants to improve their communication

The Ohio State University, Wexner Medical Center

Student Researcher at Buckeye Center for Hearing & Development
Primary Investigator: Aaron Moberly, M.D.

Columbus, OH
January 2015 – May 2017

Contributed to the Cochlear Implant Research lab as an undergraduate student researcher

Responsibilities included, but were not limited to, the following:

- Administrating standardized speech recognition and cognitive assessments
- Assisting with data scoring and management
- Working alongside multiple research assistants and graduate research assistants to prepare and analysis data
- Completion of Undergraduate Research Thesis, titled *Non-Auditory Verbal and Cognitive Skills in Cochlear Implant Users: Effects of Hearing Loss and Relations to Outcomes*

The Ohio State University, Nationwide Children's Hospital

Student Researcher at the Biology of Language Study
Primary Investigator: Stephen Petrill, Ph. D.

Columbus, OH
September 2014 – May 2015

Contributed to in the Biology of Language Study

Responsibilities included, but were not limited to, the following:

- Administrating a battery of standardized speech, language, reading, and cognitive assessments
- Conducting home visits and collects DNA samples for analysis locally and out of state if necessary.
- Collecting language samples and perform their subsequent evaluation and grading procedures on subjects presenting with normal language capabilities and those with Specific Language Impairment from a multi-generational sample, ages 4-85.
- Actively participating in data entry and management using SPSS and REDCap Data Entry Systems.

- Working alongside Project Director and Project Investigator to prepare, analyze and present data at conferences

Honors and Awards

Summer Undergraduate Education Research Fellowship	May 2016
Bachelor of Arts, with Research Distinction in Speech and Hearing Science	May 2017
Ohio State Dean’s List Recipient	Fall 2013-Spring 2017

Publications and Presentations

Safdar, N. & Anderson, M. (2021). *Remote Speech Perception Testing in Pediatric Cochlear Implant Users*. Poster presentations at American Cochlear Implant Alliance, Virtual Conference.

Safdar, N. (2019). *Self-Regulation in Young Deaf Children*. Student Research Podium at the American Academy of Audiology, Columbus, OH.

Moberly, A. C., Vasil, K., Wucinich, T. L., **Safdar, N.**, Boyce, L., Roup, C., Holt, R. F., Adunka, O. F., Castellanos, I., Houston, D. M., & Pisoni, D. P. (2018). How does aging affect recognition of spectrally degraded speech? *Laryngoscope*, 128, S1-S16. doi:10.1002/lary.27457.

Pisoni, D. B., Broadstock A., Wucinich T., **Safdar N.**, Miller K., Hernandez L. R., Vasil K., Boyce, L., Davies, A., Harris, M. S., Castellanos, I., Xu, H., Kronenberger, W. G., & Moberly A. C. (2018). Verbal learning and memory after cochlear implantation in postlingually deaf adults: Some new findings with the CVLT—II. *Ear & Hearing*, 39, 720-745. doi:10.1097/AUD.0000000000000530.

Additional Skills and Trainings

Cochlear Americas, Med-El, and Advanced Bionics Training

Attended multiple virtual & in-person trainings and accessed learning material for all three implant manufacturers during time at UNC, and in-person trainings for Cochlear during time at ECU and OSU

Data Management

Use of Microsoft Excel and SPSS to organize participant data for analyses and longitudinal tracking

Use of EPIC electronic medical record system

Microsoft Outlook

Utilized Outlook for both email and calendar schedules; sending of calendar invitations

Leadership and Mentorship

Led team of undergraduate researchers in laboratory

Facilitated journal discussions, design researcher posters, and aid in scientific writing

Completed research assistant interviews and onboarding process

Supervised audiology graduate students during clinical rotations

Memberships in Professional Societies

American Speech-Language Hearing Association

American Academy of Audiology

References

Research

Irina Castellanos, Ph. D

Department of Otolaryngology
4000 Eye and Ear Institute
915 Olentangy River Road, Columbus, OH, 43212
Phone: 614-366-1788
Email: Irina.Castellanos@osumc.edu

Clinical

Christine Goodman, Au. D.

Ohio State Speech-Language Hearing Clinic
1070 Carmack Road, Columbus, OH 43210
Phone: 614-292-6251
Email: goodman.58@osu.edu

Elizabeth Preston, Au. D.

The Hearing Center at Dell Children's
Dell Children's Medical Center of Central Texas
Strictly Pediatrics Building
1301 Barbara Jordan Blvd, Suite 307
Austin, TX 78723
Email: Elizabethprseton@ascension.org

Melissa Anderson, Au. D.

The Children's Cochlear Implant Center at UNC
5501 Fortunes Ridge Drive
Suite A
Durham, NC 27713
Email: melissa.anderson@unchealth.unc.edu