

Benjamin James Kirby, Ph.D., CCC-A

Associate Professor of Audiology
Department of Communication Sciences and Disorder
Wichita State University, Wichita, KS
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EDUCATION

Ph.D. in Speech and Hearing Science, University of Iowa, 2014
Doctorate of Audiology, University of Iowa, 2010
M.A. in Audiology, University of Iowa, 2009
B.A. in Linguistics, University of California Santa Cruz, 2003

WORK EXPERIENCE

Associate Professor of Audiology
Wichita State University, Wichita, KS
2024-present

Assistant Professor of Audiology
Wichita State University, Wichita, KS
2021-2024

Assistant Professor of Audiology
University of North Texas, Denton, TX
2019-2021

Assistant Professor of Audiology
Illinois State University, Normal, IL
2016-2019

Post-doctoral Fellow, Audibility, Perception, and Cognition Lab
Boys Town National Research Hospital, Omaha, NE
2014-2016
Supervisor: Ryan McCreery, PhD

PUBLICATIONS

Kirby, B., & Sullivan, M. (2023). Reliability of spectral-temporal ripple tests in children. *JASA Express Letters*, 3(4).

Ronney, A., **Kirby, B.** (2021) "Service-Learning in Audiology: A Critical Review". *Perspectives of the ASHA Special Interest Group*, 1-12.

Brennan, M.A., Browning, J.M., Spratford, M., **Kirby, B.**, McCreery, R.W. (2021) "Influence of aided audibility on speech recognition performance with frequency composition for children and adults". *International Journal of Audiology*, 1-9.

Schafer, E., **Kirby, B.**, Miller, S. (2020) "Remote-Microphone Technology for Children with Hearing Loss and Auditory Processing Issues". *Seminars in Hearing*, 41(4), 277-290.

Jorgensen, E.J., McCreery, R., **Kirby, B.**, Brennan, M. (2020) "Effect of level on spectral-ripple detection threshold for listeners with normal hearing and hearing loss". *JASA*, 148(2), 908-917.

Kirby, B. Spratford, M., Klein, K., McCreery, R.W. (2019) "Cognitive abilities contribute to spectro-temporal discrimination in children who are hard of hearing". *Ear and Hearing*, 40(3), 645-650.

Kirby, B., Kopun, J., Spratford, M., Mollak, C., Brennan, M., McCreery, R. (2017) "Listener performance with a novel hearing aid frequency lowering technique". *Journal of the American Academy of Audiology*, 28(9), 810-822.

Klein, K., Walker, E., **Kirby, B.**, McCreery, R. (2017) "Vocabulary facilitates speech perception in children with hearing aids". *Journal of Speech, Language, and Hearing Research*, 60(8), 2281-2296.

McCreery, R.W., Spratford, M., **Kirby, B.**, & Brennan, M. (2017) "Individual differences in language and working memory affect children's speech recognition in noise". *International Journal of Audiology*, 56(5), 306-315.

McCreery, R.W., Walker, E.A., Spratford, M., **Kirby, B.**, Oleson, J.J., & Marc Brennan, M. (2016) "Stability of audiometric thresholds for children with hearing aids applying the AAA Pediatric Amplification Guidelines: Implications for Safety". *Journal of the American Academy of Audiology*, 27(3), 252-263.

Kirby, B., Browning, J., Brennan, M., Spratford, M., & McCreery, R. (2015) "Spectro-temporal modulation detection in children". *JASA-Electronic Letters*, 138(5), EL465-EL468.

Brown, C.J., Jeon, E.K., Abbas, P.J., Chiou, L-K., **Kirby, B.**, Etler, C., Karsten, S.A., & Turner, C.W. (2015) "Cortical Auditory Evoked Potentials recorded from nucleus hybrid cochlear implant users". *Ear and Hearing*, 36(6), 727-732.

Kirby, B., Brown, C.J. (2015) "Effects of Nonlinear Frequency Compression on ACC Amplitude and Listener Performance". *Ear and Hearing*, 36(5), e261-e270.

Kirby, B., Etler, C., O'Brien, S., Abbas, P.J. & Brown, C.J. (2012) "Relationships between Electrically Evoked Potentials and Loudness Growth in Bilateral Cochlear Implant Users". *Ear and Hearing*, 33(3), 389-398. PMID: PMC3330158, NIHMSID: NIHMS335162.

Kirby, B., Kopun, J., Tan, H., Neely, S.T. & Gorga, M.P. (2011) “Do “Optimal” Conditions Improve Distortion Product Otoacoustic Emission Test Performance?” *Ear and Hearing*, 32(2), 230-237. PMCID: PMC3365508, NIHMSID: NIHMS374880.

PUBLICATIONS IN REVIEW

BOOK CHAPTERS

GRANTS AND FELLOWSHIP SUPPORT

Funded

TSHFoundation President’s Research Award

TITLE: “Impact of Psychophysical Paradigm on Spectral Ripple Threshold in Children”

PI: Benjamin James Kirby, Ph.D.

FUNDED: 2/22/2020-12/31/2022 (\$1,300 total)

Illinois State University New Faculty Initiative Grant

TITLE: “Resilience to Loss of Auditory Spectral Detail in Children”

PI: Benjamin James Kirby, Ph.D.

FUNDED: 7/1/2017-6/30/2018 (\$3,500 total)

NIH/NIDCD F32 (1F32DC015159-01A1). Ruth L. Kirschstein National Research Service Award for Individual Postdoctoral Fellows.

TITLE: “Development of Spectral Resolution in Children”.

PI: Benjamin James Kirby, Ph.D. SPONSOR: Ryan W. McCreery, Ph.D.

FUNDED: 12/9/2015-7/28/2016 (\$37,780 total)

NIH/NIDCD F31 (1F31DC012961-01). Ruth L. Kirschstein National Research Service Award for Individual Predoctoral Fellows.

TITLE: “The Impact of Frequency Compression on Cortical Evoked Potentials and Perception”.

PI: Benjamin James Kirby, Au.D. SPONSOR: Carolyn J. Brown, Ph.D.

FUNDED: 7/19/2012-6/9/2014 (\$54,064 total)

Pending

Not funded

REAM Foundation Misophonia Research Fund

TITLE: “Validation of Misophonia Questionnaires”

PI: Benjamin James Kirby, Ph.D.

Submitted Spring 2022

REAM Foundation Misophonia Research Fund

TITLE: “Naturalistic Assessment of Misophonia”

PI: Benjamin James Kirby, Ph.D.
Submitted Spring 2020

ASH Foundation New Investigators Research Grant

TITLE: "Simple and Complex Spectral Discrimination in Children"

PI: Benjamin James Kirby, Ph.D.
Submitted Spring 2019

SCHOLARLY PRESENTATIONS

Kirby, B., Kidd, S. (2023) "Psychoacoustic Assessment of Misophonia". Poster presentation at American Academy of Audiology Convention, Seattle, WA, April 20-21.

Kirby, B. (2022) "An Introduction to Misophonia". Invited talk at Kansas Speech-Language Hearing Association Annual Convention, Manhattan, KS, September 29-30.

Hybsha, C., **Kirby, B.** (2022) "Evaluation of Misophonia Symptoms". Invited talk at Kansas Speech-Language Hearing Association Annual Convention, Manhattan, KS, September 29-30.

Kirby, B. (2021) "Misophonia and Audiology Practice". Invited talk at Texas Speech-Language-Hearing Association Annual Convention, Online, April 12-15.

Kirby, B. (2020) "Clinical Applications for Measures of Auditory Spectral Resolution". Invited talk at Texas Speech-Language-Hearing Association Annual Convention, Houston, TX, February 21.

Seeman, S., **Kirby, B.** (2019) "Listening effort and cognition across the lifespan". Invited talk at Illinois Speech-Language Hearing Association, Rosemont, IL, February 8.

Cook, K., **Kirby, B.** (2018). "Cognitive Contributions to Listening Performance in Children". Poster presented at American Academy of Audiology Meeting, Nashville, TN, April 20.

Kirby, B., Kopun, J., Spratford, M., Mollak, C., Brennan, M., McCreery, R. (2017) "Listener performance with a novel hearing aid frequency lowering technique". Poster presented at *Audiology Now! Annual Meeting*, Indianapolis, IN, April 6.

Jorgensen, E., Buss, E., **Kirby, B.**, Gallun, F., Molis, M., McCreery, R., Brennan, M. (2017). Effect of Level on Spectral Ripple Detection Threshold in Adults with

Normal Hearing and Sensorineural Hearing Loss. Poster presented at the *American Auditory Society Annual Meeting*, Scottsdale, AZ, March 2-4.

Kirby, B., Klein, K., Spratford, M., McCreery, R. (2016). Relationships of Cognitive Abilities to Spectro-Temporal Ripple Threshold. Poster presented at the *American Auditory Society Annual Meeting*, Scottsdale, AZ, March 3-5.

Klein, K., Walker, E., Spratford, M., **Kirby, B.**, McCreery, R. (2016). Vocabulary facilitates speech perception in children with hearing aids. Poster presented at the *American Auditory Society Annual Meeting*, Scottsdale, AZ, March 3-5.

Kirby, B., Browning, J., Brennan, M., Spratford, M., & McCreery, R. (2015). Spectral resolution and speech recognition in noise for children with hearing loss. Poster presented at the *169th Meeting of the Acoustical Society of America*, Pittsburgh, PA, May 18-22.

Kirby, B. (2015). Developmental and cognitive influences on children's listening performance. Podium talk at the *American Auditory Society Annual Meeting*, Scottsdale, AZ, March 5-7.

Browning, J., Brennan, M., Spratford, M., **Kirby, B.**, & McCreery, R. (2015). Audibility and spectral resolution influence performance and preference for frequency composition. Poster presented at the *American Auditory Society Annual Meeting*, Scottsdale, AZ, March 5-7.

Kirby, B., Abbas, P.J. & Brown, C.J. (2014). Effects of nonlinear frequency compression on cortical potentials and perception. Poster presented at the *American Auditory Society Annual Meeting*, Scottsdale, AZ, March 5-7. (Mentored Student Research Award Winner).

Kirby, B. (2012). Evaluating the effects of hearing aid frequency compression. Education Exhibiting Session Presentation at *Iowa Speech-Language Hearing Association Convention*, Iowa City, IA, October 25.

Kirby, B., Abbas, P.J. & Brown, C.J. (2012). Verification of frequency compression parameters using the auditory change complex. Poster presented at the *American Auditory Society Annual Meeting*, Scottsdale, AZ, March 8-10. (Mentored Student Research Award Winner).

Etler, C., Brown, C.J. **Kirby, B.**, Fleener, R., Gogel, S. & Van Voorst, T. (2011). C-levels, ECAP thresholds and Impedances in Pediatric Nucleus Freedom Implant Users. Poster presented at *the 13th Symposium on Cochlear Implants in Children*, Chicago, IL, July 14-16. (Gold Medal Award Winner)

Jeon, E., Brown, C.J., Chiou, L.K., **Kirby, B.** & Abbas, P.J. (2011). Cortical auditory evoked change responses in school-aged children. Poster presented at *the 13th Symposium on Cochlear Implants in Children*, Chicago, IL, July 14-16.

Jeon, E., Brown, C.J., Chiou, L.K., **Kirby, B.** & Abbas, P.J. (2010). Using musical stimuli to record cortical auditory evoked potentials. Poster presentation at *Objective Measures in Auditory Implants - 6th International Symposium*, St. Louis, MO, September 22-25.

Kirby, B., Etlar, C., O'Brien, S., Abbas, P.J. & Brown, C.J. (2010). "Electrophysiological measures as indicators of equal loudness in bilateral cochlear implant users". Poster presented at *Objective Measures in Auditory Implants - 6th International Symposium*, St. Louis, MO, Sept. 22-25.

Silberer, A., R. Scheperle, Fleener, R., Etlar, C., Brown, C.J., Abbas, P.J., Jeon, E., Chiou, L.K., **Kirby, B.**, Mussoi, B. & O'Brien, S. (2010). "Cortical auditory evoked responses recorded from cochlear implant users: Data from Iowa". Poster presented at *Objective Measures in Auditory Implants – 6th International Symposium*, St. Louis, MO, Sept. 22-25.

Bentler, B., **Kirby, B.**, & Stiles, D. (2010). Impact of digital noise reduction on pediatric performance. Poster session presented at the annual conference of the American Academy of Audiology, San Diego, CA, April 14-17.

Kirby, B., Kopun, J., Tan, H., Neely, S.T. & Gorga, M.P. (2010). "Do "Optimal" Conditions Improve Distortion Product Otoacoustic Emission Test Performance?" Poster presented at *American Auditory Society Annual Meeting*, Scottsdale, AZ, March 4-6.

R. Bentler, D. Stiles, & **Kirby, B.** (2008). "Impact of Digital Noise Reduction on Pediatric Performance." Poster presented at *NHS*, Como, Italy.

TEACHING EXPERIENCE

Assistant Professor, Wichita State University

Advanced Practicum in CSD: Grant Writing (Summer 2023)

Implantable Auditory Devices (Spring 2023)

Clinical Applications of OAEs and AEPs (Spring 2023, 2024)

Acoustics and Instrumentation (Summer 2022, 2023)

Introduction to Psychoacoustics (Spring 2022, Fall 2022, 2023)

Communication in Special Populations: Aging (Spring 2022, 2023, 2024)

Aural Rehabilitation (Fall 2021, 2022, 2023)

Current Topics in Amplification: Cochlear Implants (Fall 2021)

Assistant Professor, University of North Texas

Hearing Science (Fall 2020)

Speech Perception (Spring 2020, 2021)
Pediatric Audiology (Spring 2020, 2021)
Cochlear Implants (Fall 2019, 2020)
Speech & Hearing Science (Fall 2019)
Assistant Professor, Illinois State University
Pediatric Audiology (Fall 2016, 2017, 2018)
Advanced Pediatric Aural Rehabilitation (Spring 2017, 2018)
Advanced Pediatric Audiology (Spring 2019)
Implantable Auditory Prostheses (Fall 2017, Spring 2019)
Auditory Processing and Disorders (Spring 2018, Fall 2018)
Introduction to Aural Rehabilitation Training (Fall 2017, 2018; Spring 2018, 2019)
Introduction to Audiology (Summer 2017, 2018)
Instructor, University of Nebraska Omaha
Aural Rehabilitation (Fall 2015)
Instructor, University of Iowa
Auditory Evoked Potentials (Spring 2013)
Graduate Teaching Assistant, University of Iowa
Instrumentation and Calibration (Spring 2008)
Systems and Signal Theory (Fall 2007)

RESEARCH EXPERIENCE

Graduate Research Assistant, Electrophysiology Lab, University of Iowa
 Summer 2008 – Spring 2014
 Responsibilities: Measured and analyzed electrically-evoked potential responses (ECAP, EABR, AEV, electrically-evoked cortical potentials) on adult and child cochlear implant users, hearing aid users, and normal hearing listeners.
 Supervisors: Paul Abbas, PhD, Carolyn Brown, PhD, Christine Etler, MA
T-35 Graduate Research Trainee, Clinical Sensory Physiology Lab, Boys Town National Research Hospital
 Summer 2009
 Responsibilities: Measured distortion product otoacoustic emissions (DPOAEs) in adults and children with normal hearing and hearing impairment.
 Supervisors: Michael Gorga, PhD, Stephen Neely, DSc.
Graduate Research Assistant, Hearing Aid Lab for Basic and Applied Research, University of Iowa
 Fall 2006 – Summer 2007, Spring 2008 – Fall 2008
 Responsibilities: Performed data collection and experimental design tasks on projects concerning the impact of digital noise reduction in hearing aids on children’s perception of speech in noise.
 Supervisor: Ruth A. Bentler, PhD.

STUDENT SUPERVISION

Student	Capacity	Outcome
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Amanda Vanausdal	Ph.D. Dissertation Committee Member	May 2023-present
Ezri Berggren	Au.D. Capstone Advisor	June 2023 - April 2024
Sierra Skillen	Au.D. Capstone Advisor	June 2023 – April 2024
Morgan Sullivan	Au.D. Capstone Advisor	June 2022 – April 2023
Sarah Kidd	Au.D. Capstone Advisor	June 2022 – April 2023
Jingjiao Jiang	Ph.D. Dissertation Committee Member	Oct 2021 – May 2022
Caley Hybsha	Au.D. Capstone Advisor	Aug 2021 – April 2022
Sarah Goodson	Au.D. Capstone Advisor	Aug 2021 – April 2022
Chelsea Anderson	Ph.D. Dissertation Committee Member	Feb 2020-June 2021
Jacy Manning	Ph.D. Dissertation Committee Member	Feb 2020-July 2021
Jennifer Meyer	Au.D. Capstone Advisor	Aug 2017-May 2019
Alexis Ronney	Au.D. Capstone Advisor	Apr 2017-June 2019
Kelly Cook	Au.D. Capstone Advisor	Mar 2017-Oct 2019
Jessica Glennon	Au.D. Capstone Advisor	Oct 2016-Aug 2018

SERVICE TO PROFESSION

Editor, *Journal of Educational, Pediatric, and (Re)Habilitative Audiology*, July 2018-Present
Reviewer for Plural Publishing audiology/hearing science textbook, 2023
Convention Program Committee Reviewer, ASHA, 2019
Ad hoc reviewer for *Ear and Hearing*, *Journal of the American Academy of Audiology*, *Journal of Speech-Language Hearing Research*, *American Journal of Audiology*, *International Journal of Audiology*, *Journal of Research in Special Education Needs*, *PLOS ONE*, and *Journal of Educational Audiology*

SERVICE TO INSTITUTION

Wichita State University
Audiology Admissions Committee, August 2021 – present
Student Affairs Committee, August 2021 – present
Doctoral Committee, August 2021 – present
College of Health Professions DEI Council, March 2023 – present
University Academic Integrity Committee, September 2023 – present
Faculty Search Committee, December 2022 – Spring 2023
Undergraduate Research and Creative Activity Forum Judge, April 2023
Graduate Research and Scholarly Projects Symposium Judge, April 2023

University of North Texas
Curriculum Committee, September 2019 – July 2021
Personnel Affairs Committee, September 2019 – July 2021
AuD Committee, September 2019 – July 2021

Illinois State University

Audiology Graduate Admissions Committee Co-Chair, August 2018-May 2019

Department Curriculum Committee, August 2018- May 2019

Department Chair Search Committee, August 2018- March 2019

Tenure Track Faculty Search Committee, August 2017-March 2018

Audiology Graduate Admissions Committee, August 2017-August 2018

Departmental Equipment Committee, August 2016 – August 2018

Departmental Scholarship Committee, August 2016- August 2018

University of Iowa

Ad hoc student grant application reviewer for Executive Council of Graduate and Professional Studies (ECGPS), University of Iowa, 2012

MEMBERSHIPS AND HONORS

American Speech-Language and Hearing Association (ASHA) Member (CCC-A).

Kansas Speech-Language and Hearing Association (KSHA) Member

Educational Audiology Association (EAA) Member

College of Health Professions Excellence in Research Award, Wichita State University, 2023

Communication Sciences and Disorders Teacher of the Year - Audiology
ISU NSSLHA & SAA, 2018-2019, 2017-2018.

Mentored Student Research Award, AAS, March 5-7, 2014.

ASHA Foundation Doctoral Scholarship, November 2012.

Mentored Student Research Award, AAS, March 8-10, 2012.

Audiology Research Travel Award, ASHA Conference, November 16-19, 2011.

Student Travel Award, Conference on Implantable Auditory Prostheses,
July 24-29, 2011.

Student Travel Award, Objective Measures in Auditory Implants – 6th
International Symposium, Sept. 22-25, 2010.

Iowa Leadership Education in Neurodevelopmental and related Disorders
(ILEND) Trainee, Fall 2009-Spring 2010.

ASHA Foundation Graduate Student Scholarship, Fall 2008.

Audiology Representative, University of Iowa NSSLHA, Spring – Fall 2008.

ISHA Foundation Scholarship, Fall 2007.