

TIFFANY A. JOHNSON
University of Kansas Medical Center
School of Health Professions
Department of Hearing and Speech
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EDUCATION

2003	Ph.D.	University of Iowa	Speech and Hearing Science
1995	M.A.	University of Iowa	Audiology
1988	B.A.	Creighton University	Psychology

PROFESSIONAL HISTORY

2011- Associate Professor, Department of Hearing and Speech, University of Kansas Medical Center

2011- Director, Auditory Research Laboratory

2006-2011 Assistant Professor, Department of Speech-Language-Hearing, University of Kansas

2006-2011 Director, Human Auditory Research Laboratory

2003-2006 Postdoctoral Fellow, Boys Town National Research Hospital, Omaha, NE

1999-2003 Teaching and Research Assistant, University of Iowa

2001 Visiting Instructor, University of Iowa

1997-1999 Clinical Assistant Professor, University of Iowa

1996-1997 Clinical Audiologist, Minnesota Ear, Head, and Neck Clinic, P.A., Minneapolis, MN

1995-1996 Clinical Audiologist, Boys Town National Research Hospital, Omaha, NE

1992-1995 Teaching and Research Assistant, University of Iowa

AWARDS AND HONORS

2014 Faculty Investigator Research Award, School of Health Professions, University of Kansas Medical Center

2013 Invited Participant in the American Speech-Language Hearing Foundation Grant Review and Reviewer Training Program.

2010 Invited Member of Center for Teaching Excellence *Partners in Teaching Excellence* group.

2008 Recipient of American Speech-Language Hearing Association Travel Award for 6th Annual Research Conference: Lessons for Success: Developing the Emerging Scientist.

2006 Selected to attend the Best Practices Institute sponsored by the University of Kansas Center for Teaching Excellence.

2006 Recipient of American Speech-Language Hearing Association Travel Award. 4th Annual Research Conference: Lessons for Success: Developing the Emerging Scientist.

- 2006 Mentored Doctoral Student Research Poster Session Grant from the NIH and the American Auditory Society.
- 2003-2006 NIH National Research Service Award
- 1995 Laurel Stanzel Scholarship Recipient
- 1993 Iowa Speech Language Hearing Association Scholar Award
- 1992 Magna Cum Laude – Creighton University
- 1992 1st Place in the Undergraduate Symposium on Gender and Depression at the 12th Annual Great Plains Students' Psychology Convention
- 1990 Inducted into Psi Chi, the national honor society in psychology

PROFESSIONAL CREDENTIALS

- 1995- Certificate of Clinical Competence in Audiology

PROFESSIONAL AFFILIATIONS

- 2011- Kansas Speech-Language-Hearing Association
- 2009- Hearing and Hearing Disorders: Research and Diagnostics Special Interest Group
- 2003- Acoustical Society of America
- 2003- American Auditory Society
- 2003- Association for Research in Otolaryngology
- 1996- American Speech-Language-Hearing Association

GRANT SUPPORT

Under Review

Co-Principal Investigator, “Developing a Biomarker for Hidden Hearing Loss in Humans,” NIH-NIDCD R21, Requested Directs: \$275,000. Co-PI: Navin Viswanathan.

External Funding

Mentor, “Noise Exposure, Self-Reported Speech-in-Noise Perception, and the Auditory Brainstem Response in Normal Hearing Human Ears,” American Academy of Audiology Foundation Student Investigator Research Grant, 7/01/16-07/01/17. PI: Nikki Go.

Principal Investigator, “Cochlear Mechanisms and Otoacoustic Emissions: Normal and Impaired Responses,” NIH-NIDCD R03, 9/2011-8/2015. Award: \$437,426.

Mentor, “Auditory Responses in Normal-Hearing, Noise-Exposed Ears,” American Academy of Audiology Foundation Student Investigator Research Grant, 7/1/2012 – 6/30/2013. PI: Greta Stamper.

Research Advisor, “Improving outcomes for young children with hearing impairment and other disabilities: Technology for audiometric assessment,” Steppingstones of

Technology and Media Services for Individuals with Disabilities, U.S. Department of Education, 10/2011-9/2013. PI: Kate Saunders.

Principal Investigator, “New Directions in Clinical Applications of Otoacoustic Emissions,” American Speech-Language-Hearing Foundation Clinical Research Grant, 12/2008-6/2010. Award: \$50,000.

Principal Investigator, “Characterizing the Effect of Stimulation Parameters on DPOAEs Recorded in Normal and Impaired Ears,” American Academy of Audiology Foundation New Investigator Research Award, 6/2007-12/2008. Award: \$10,000.

Principal Investigator, “Implications of OAE Cochlear Source Contribution,” NIH-NIDCD F32 Individual National Research Service Award, 3/2005-8/2006. Annual Direct Costs: \$43, 976.

Internal Funding

Co-Principal Investigator, “Using Speech Perception and Electrophysiology to Detect Hidden Hearing Loss,” *Frontiers* Pilot and Collaborative Studies Program, University of Kansas Medical Center Research Institute Clinical Pilot Research Grant Program, 7/01/16-7/30/17. Co-PI: Navin Viswanathan. Award: \$20,000.

Principal Investigator, “Preliminary Studies in Cochlear Processes and Auditory Function,” New Faculty General Research Fund, University of Kansas, 8/2008-6/2010. Award: \$8,000.

PUBLICATIONS

Refereed Manuscripts

Go, N.A., Stamper, G.C., **Johnson, T.A.** Cochlear mechanisms and otoacoustic emission test performance, *Ear & Hearing*, in revision.

Johnson, T.A., Cooper, S., Stamper, G.C., & Chertoff, M. (2017). Noise exposure questionnaire (NEQ): A tool for quantifying annual noise exposure. *Journal of the American Academy of Audiology*, 28, 14-35.

Stamper, G.C. & **Johnson, T.A.** (2015). Letter to the Editor: Examination of potential sex influences in Stamper, G.C & Johnson, T.A. (2015). Auditory function in normal-hearing, noise-exposed human ears, *Ear Hear*, 36, 172-184. *Ear and Hearing*, 36, 738-740.

Stamper, G.C. & **Johnson, T.A.** (2015). Auditory function in normal-hearing, noise-exposed human ears. *Ear and Hearing*, 36, 172-184.

Schroeder, S.R., Marquis, J. Reese, R.M, Richman, D.M., Mayo-Ortega, L, Oyama-Ganiko, R., LeBlanc, J., Brady, N., Butler, M., Peacock, G., Foster, J., **Johnson, T.**, & Lawrence,

- L. (2014). Risk factors for self-injury, aggression, and stereotyped behavior among young children at risk for intellectual and developmental disabilities, American Journal on Intellectual and Developmental Disabilities, 119, 291-388.
- Johnson, T.A.** & Beshaler, L. (2013). Influence of stimulus parameters on amplitude-modulated stimulus-frequency otoacoustic emissions. Journal of the Acoustical Society of America, 134, 1121-1133.
- Johnson, T.A.** & Baranowski, L.G. (2012). The influence of common stimulus parameters on distortion product otoacoustic emission fine structure, Ear and Hearing, 32, 239-249.
- Johnson, T.A.** (2010). Cochlear sources and otoacoustic emissions. Journal of the American Academy of Audiology, 21, 176-186.
- Johnson, T.A.**, Neely, S.T., Kopun, J.G., Dierking, D.M., Tan, H., & Gorga, M.P. (2010). Clinical test performance of distortion product otoacoustic emissions using new stimulus conditions. Ear and Hearing, 31, 74-83.
- Neely, S.T., **Johnson, T.A.**, Kopun, J., Dierking, D., & Gorga, M.P. (2009). Distortion-product otoacoustic emission input/output characteristics in normal-hearing and hearing-impaired human ears. Journal of the Acoustical Society of America, 126, 728-738.
- Johnson, T.A.**, Neely, S.T., Kopun, J.G., Dierking, D.M., Tan, H., Converse, C., Kennedy, E., Gorga, M.P. (2007). Distortion product otoacoustic emissions: Cochlear-source contributions and clinical test performance. Journal of the Acoustical Society of America, 122, 3539-3553.
- Johnson, T.A.**, Neely, S.T., Kopun, J.G., and Gorga, M.P. (2006). Reducing reflected contributions to ear-canal distortion product otoacoustic emissions in humans. Journal of the Acoustical Society of America, 119, 3896-3907.
- Gorga, M.P., **Johnson, T.A.**, Kaminski, J.K., Beauchaine, K.L., Garner, C.A., & Neely, S.T. (2006). Using a combination of click- and toneburst-evoked auditory brainstem response measurements to estimate pure-tone thresholds. Ear and Hearing, 27, 60-74.
- Johnson, T.A.**, Neely, S.T., Garner, C.A., & Gorga, M.P. (2006). Influence of primary-level and primary-frequency ratios on human distortion product otoacoustic emissions. Journal of the Acoustical Society of America, 119, 418-428.
- Gorga, M.P., Dierking, D.M., **Johnson, T.A.**, Beauchaine, K.L., Garner, C.A., & Neely, S.T. (2005). A validation and potential clinical application of multivariate analyses of DPOAE data. Ear and Hearing, 26, 593-607.
- Johnson, T.A.** & Brown, C.J. (2005). Threshold prediction using the auditory steady-state response and the toneburst auditory brainstem response: A within-subject comparison. Ear and Hearing, 26, 559-576.

Neely, S.T., **Johnson, T.A.**, Garner, C.A., & Gorga, M.P. (2005). Stimulus-frequency otoacoustic emissions measured with amplitude-modulated suppressor tones. Journal of the Acoustical Society of America, 118, 2124-2127.

Neely, S.T., **Johnson, T.A.**, & Gorga, M.P. (2005). Distortion-product otoacoustic emission measured with continuously varying stimulus level. Journal of the Acoustical Society of America, 117, 1248-1259.

Johnson, T.A., Neely, S.T., Dierking, D.M., Hoover, B.M., & Gorga, M.P. (2004). An alternate approach to constructing distortion product otoacoustic emission (DPOAE) suppression tuning curves. Journal of the Acoustical Society of America, 116, 3263-3266.

Jeng, F.C., Brown, C.J., **Johnson, T.A.**, & Vander Werff, K.R. (2004). Estimating air-bone gaps using auditory steady-state responses. Journal of the American Academy of Audiology, 15, 63-74.

Bentler, R., Niebuhr, D.P., **Johnson, T.A.**, & Flamme G. (2003). Impact of digital labeling on outcome measures. Ear and Hearing, 24, 215-224.

Invited Writings

Sherburn, R., Stamper, G. & **Johnson, T.** (2014). Why do we sing so loud? Reflections on reflexes that deceive and tendencies that can harm. Choral Journal, 54, 57-63.

Johnson, T.A. (2011). The relationship between distortion product otoacoustic emissions and behavioural thresholds. Canadian Hearing Report, 6, 30-34.

Johnson, T.A., Neely, S.T., and Gorga, M.P. (2006). Relationship between distortion product otoacoustic emissions and hearing loss. Perspectives on Audiology, 2, 2-9.

Book Chapters

Brown, C.J. & **Johnson, T.A.** (2015). Electrophysiologic assessment of hearing. In Flint, P.W., Haughey, Lund, V., Niparko, J.K., B.H., Richardson, M.A., Robbins, T., & Thomas, R., (Eds.), *Cummings Otolaryngology-Head and Neck Surgery* (6th Ed.), Mosby, Philadelphia, pp. 2071-2083.

Brown, C.J. & **Johnson, T.A.** (2010). Electrophysiologic assessment of hearing. In Flint, P.W., Haughey, B.H., Richardson, M.A., Robbins, T., Thomas, R., Niparko, J.K., & Lund, V. (Eds.), *Cummings Otolaryngology-Head and Neck Surgery* (5th Ed.), Mosby, Philadelphia, pp. 1904-1915.

Vander Werff, K.R., **Johnson, T.A.**, and Brown, C.J. (2008). Behavioral threshold estimation. In Rance, G. (Ed.), *The Auditory Steady State Response: Generation, Recording, and Clinical Application*. Plural Publishing, San Diego, pp. 125-147.

Johnson, T.A., Gorga, M.P., Neely, S.T., Oxenham, A.J., & Shera, C.A. (2008). Relations between otoacoustic and psychophysical measures of cochlear function. In Manley, G.A., Fay, R.R. and Popper, A.N. (Eds.), *Active Processes and Otoacoustic Emissions in Hearing*. Springer Science+Business Media, LLC, New York, pp. 395-420.

Gorga, M.P., Neely, S.T., **Johnson, T.A.**, Dierking, D., & Garner, C. (2007). Distortion-product otoacoustic emissions in relation to hearing loss. In M.S. Robinette & T.J. Glatke (Eds.), *Otoacoustic Emissions: Clinical Applications* (3rd Edition). Thieme Medical Publishers, Inc., New York, pp. 197-225.

Internal Publications

Williams, J. & **Johnson, T.A.** (2011). Sex differences in otoacoustic emissions to examine underlying cochlear mechanisms. The University of Kansas Journal of Undergraduate Research, Fall 2010-Spring 2011, 7-10.

PRESENTATIONS AND INVITED LECTURES

*Refereed.

Presentations

***Johnson, T.A.** (2018) Searching for evidence of noise-induced cochlear synaptopathy in humans: Looking for a needle in a haystack. 2018 Midwinter Meeting of the Association for Research in Otolaryngology, San Diego, CA.

*Bangert, J.E. & **Johnson, T.A.** (2017) Multivariate Analyses of Distortion Product Otoacoustic Emission Data for Clinical Application. AudiologyNOW! Indianapolis, IN.

Johnson, T.A. (2016) Cochlear Mechanisms and Otoacoustic Emission Test Performance Revisited. Gorgapalooza, Boys Town National Research Hospital, Omaha, NE.

*Go, N.A. & **Johnson, T.A.** (2016) Cochlear mechanisms and otoacoustic emission test performance. Annual Meeting of the American Auditory Society, Scottsdale, AZ.

*Go, N.A., Stamper, G.C., & **Johnson, T.A.** (2015) Cochlear mechanisms and distortion product otoacoustic emission test performance. 2015 Midwinter Meeting of the Association for Research in Otolaryngology, Baltimore, MD.

Johnson, T.A. & Stamper, G.C. (2014) Auditory responses in normal-hearing, noise-exposed human ears. Kansas Speech-Language Hearing Association 2014 Annual Conference, Overland Park, KS.

*Stamper, G.C. & **Johnson, T.A.** (2014). Auditory responses in normal-hearing, noise-exposed human ears. 2014 Midwinter Meeting of the Association for Research in Otolaryngology, San Diego, CA.

- *Storkel, H.L., Chang, S.E., **Johnson, T.A.**, & Levi, S. (2013). Considering joining the next generation of researchers? Talk with us. Annual Convention of the American Speech-Language-Hearing Association, Chicago, IL.
- *Stamper, G.C., Go, N., Pacey, L., Broadbent, J., & **Johnson, T.A.** (2013). Amplitude-modulated stimulus-frequency otoacoustic emissions in normal and impaired ears. Annual Meeting of the American Auditory Society, Scottsdale, AZ.
- *Stewart, E., **Johnson, T.A.**, & Chertoff, M. (2013). Influence of calibration method on distortion product otoacoustic emission variability using high frequency stimuli. Annual Meeting of the American Auditory Society, Scottsdale, AZ.
- *Schroeder, S.R., Marquis, J., Reese, R.M., Richman, D.M., Mayo-Ortega, L., Oyama-Ganiko, R., LeBlanc, J., Brady, N., Butler, M., Peacock, G., Foster, J., **Johnson, T.**, & Lawrence, L. (2012). A risk algorithm for SIB, aggression, and stereotyped behavior of infants and toddlers with developmental disabilities. Annual Convention of the American Psychological Association.
- Johnson, T.A.** (2012). Amplitude-Modulated SFOAEs: Preliminary Data. 4th Biennial Midwest Auditory Conference, Kansas City, KS.
- *Williams, J. & **Johnson, T.A.** (2012). Sex differences and otoacoustic emissions: Examining underlying cochlear mechanisms. Annual Meeting of the American Auditory Society, Scottsdale, AZ.
- ***Johnson, T.A.** & Murphy, K. (2011). Stimulus parameters for recording DPOAEs in hearing-impaired ears. Annual Meeting of the American Auditory Society, Scottsdale, AZ.
- ***Johnson, T.A.** & Maack, L. (2010). Influence of Stimulus Parameters on Amplitude-Modulated Stimulus Frequency Otoacoustic Emissions. Annual Convention of the American Speech-Language-Hearing Association, Philadelphia, PA.
- ***Johnson, T.A.** & Maack, L. (2010) Amplitude-Modulated Stimulus-Frequency Otoacoustic Emissions: Influence of Stimulus Parameters. Annual Meeting of the American Auditory Society, Scottsdale, AZ.
- *Koebernick, L. & **Johnson, T.A.** (2010) Test-Retest Reliability of Stimulus-Frequency Otoacoustic Emissions. Annual Meeting of the American Auditory Society, Scottsdale, AZ.
- *Stamper, G., **Johnson, T.A.**, & Neely, S.T. (2010) Further Investigation of Stimulus Influences on DPOAE Level. Annual Meeting of the American Auditory Society, Scottsdale, AZ.

*Murphy, K. & **Johnson, T.A.** (2009). Influence of stimulus parameters on DPOAEs in hearing-impaired ears. Annual Convention of the American Speech-Language-Hearing Association, New Orleans, LA.

*Baranowski, L. & **Johnson, T.A.** (2009). The effects of stimulus parameters on DPOAE fine structure. Annual Convention of the American Speech-Language-Hearing Association, New Orleans, LA.

Johnson, T.A., Murphy, K. (2009). Exploring the influence of stimulus parameters on DPOAEs recorded in hearing-impaired ears. 3rd Biennial University of Kansas Medical Center-Boys Town National Research Hospital Research Conference, Omaha, NE.

***Johnson, T.A.** & Baranowski, L. G. (2009). Influence of common stimulus parameters on DPOAE fine structure. Annual Meeting of the American Auditory Society, Scottsdale, AZ.

*Schuele, M.C., Hustad, K., **Johnson, T.**, Mayo, R., Montgomery, J., & Oetting, J. (2009). Thinking about a PhD? Information session for prospective doctoral students. Annual Convention of the American Speech-Language-Hearing Association, New Orleans, LA.

*Schuele, M. C., Hadley, P., **Johnson, T.**, Mayo, R., Storkel, H.L., and Thibeault, S. (2008). Thinking about a PhD? Information session for prospective doctoral students. Annual Convention of the American Speech-Language-Hearing Association, Chicago, IL.

Johnson, T.A., Neely, S.T., Kopun, J.G., Dierking, D.M., Converse, C., Kennedy, E., Tan, H., and Gorga, M.P. (2007). Distortion product otoacoustic emissions: Cochlear-source contributions and clinical test performance. 2nd Biennial University of Kansas Medical Center-Boys Town National Research Hospital Research Conference, Kansas City, MO.

***Johnson, T.A.**, Neely, S.T., Kopun, J.G., Dierking, D.M., Converse, C., Kennedy, E., Tan, H., and Gorga, M.P. (2007). Cochlear-source contributions and distortion product otoacoustic emission (DPOAE) test performance in humans. 30th Midwinter Research Meeting of the Association for Research in Otolaryngology, Denver, CO.

Gorga, M.P. & **Johnson, T.A.** (2006). Distortion product otoacoustic emissions and hearing loss. Annual Convention of the American-Speech-Language-Hearing Association, Miami Beach, FL.

***Johnson, T.A.**, Neely, S.T., and Gorga, M.P. (2006). Influence of optimal stimulus parameters on DPOAE test performance. Annual Meeting of the American Auditory Society, Scottsdale, AZ.

***Johnson, T.A.**, Kopun, J., Neely, S.T., and Gorga, M.P. (2006). Controlling reflected contributions to ear-canal DPOAEs in humans. 29th Midwinter Research Meeting of the Association for Research in Otolaryngology, Baltimore, MD.

- ***Johnson, T.A.**, Neely, S.T., & Gorga, M.P. (2005). Optimal stimulus parameters for recording distortion product otoacoustic emissions. 1st Biennial University of Kansas Medical Center-Boys Town National Research Hospital Research Conference, Omaha, NE.

- ***Johnson, T.A.**, Kaminski, J., Beauchaine, K.L., Garner, C., Neely, S.T., & Gorga, M.P. (2005). Click- and toneburst-evoked ABR thresholds: An efficient threshold-estimation paradigm. Annual Meeting of the American Auditory Society, Scottsdale, AZ.

- ***Johnson, T.A.**, Neely, S.T., Dierking, D.M., Beauchaine, K.L., Garner, C., & Gorga, M.P. (2005). Validation of Multivariate and Multifrequency Analyses of DPOAE Responses. Annual Meeting of the American Auditory Society, Scottsdale, AZ.

- *Dierking, D.M., Neely, S.T., **Johnson, T.A.**, Beauchaine, K.L., Garner, C., & Gorga, M.P. (2005). A New Approach for Describing Clinical DPOAEs. Annual Meeting of the American Auditory Society, Scottsdale, AZ.

- ***Johnson, T.A.**, Neely, S.T., Garner, C., & Gorga, M.P. (2005). Optimal stimulus parameters for recording distortion product otoacoustic emissions. 28th Midwinter Research Meeting of the Association for Research in Otolaryngology, New Orleans, LA.

- *Neely, S.T., **Johnson, T.A.**, Garner, C., & Gorga, M.P. (2005). Measurement of stimulus-frequency otoacoustic emissions using amplitude-modulated suppressor tones. 28th Midwinter Research Meeting of the Association for Research in Otolaryngology, New Orleans, LA.

- ***Johnson, T.A.** & Brown, C.J. (2004). Frequency-specific threshold prediction using the auditory steady-state response (ASSR) and the toneburst auditory brainstem response (ABR): A within-subject comparison. 27th Midwinter Research Meeting of the Association for Research in Otolaryngology, Daytona Beach, FL.

- ***Johnson, T.A.**, Neely, S.T., Dierking, D.M., Hoover, B.M., & Gorga, M.P. (2004). DPOAE suppression tuning curves: Effect of suppression criteria. 27th Midwinter Research Meeting of the Association for Research in Otolaryngology, Daytona Beach, FL.

- ***Johnson, T.A.** & Brown, C.J. (2001). Preliminary results using the ERA Systems Ltd. device to measure steady-state evoked potential thresholds: Comparing audiometric, SSEP, and ABR thresholds in adults. 17th Biennial Symposium, International Evoked Response Audiometry Study Group, Vancouver, British Columbia, Canada.

- ***Johnson, T.A.** & Brown, C.J. (2001). Within-subject comparison of audiometric, steady-state evoked potential, and auditory brainstem response thresholds. 24th Midwinter Research Meeting, Association for Research in Otolaryngology, St. Petersburg Beach, FL.

Invited Lectures

- Johnson, T.A.** (2011). Otoacoustic emissions, cochlear sources, and the identification of hearing loss. Lecture at the University of Kansas Proseminar in Child Language, September.
- Johnson, T.A.** (2011). Cochlear mechanisms, otoacoustic emissions, and identification of neonatal hearing loss. Invited lecture at the Hearing, Balance, and Chemical Senses Seminar. Kresge Hearing Research Institute, University of Michigan, Ann Arbor, MI.
- Johnson, T.A.** (2009). Using distortion product otoacoustic emissions for the early identification of hearing loss in infants. Lecture at Rockhurst University for a course in aural rehabilitation, Kansas City, MO, March.
- Johnson, T.A.** (2008). Early identification of hearing loss in infants. Lecture at the University of Kansas Proseminar in Child Language, Lawrence, KS, November.
- Johnson, T.A.** (2006). Distortion product otoacoustic emissions: Cochlear-source contributions and clinical test performance. Lecture at the University of Kansas Proseminar in Child Language, November.
- Widen, J. & **Johnson, T.A.** (2006). Update on OAEs. Annual Fall Meeting of the Kansas City Society for Audiology.

TEACHING ACTIVITIES

Courses Taught at the University of Kansas Medical Center (Department of Hearing and Speech)

AUD 810	Diagnostic Audiology
AUD 811	Hearing Disorders
AUD 817	Pediatric Audiology
AUD 843	Clinical Practicum in Audiology
AUD 846	Independent Study in Audiology
AUD 940	Seminar in Audiology: Scientific Reading

Courses Taught at the University of Kansas (Department of Speech-Language-Hearing)

SPLH 261	Survey of Communication Disorders
SPLH 498	Honors Seminar
SPLH 499	Directed Study in Speech-Language-Hearing
SPLH 663	Principles of Hearing Science
SPLH 668	Introduction to Audiologic Assessment and Rehabilitation
SPLH 875	Independent Study: Problems in Speech-Language-Hearing
SPLH 975	Directed Teaching: Speech Pathology and Audiology
AUD 811	Hearing Disorders
AUD 846	Independent Study in Audiology

Courses Taught at the University of Iowa

003:246 Advanced Audiology
003:311 Clinical Practicum in Audiology

Au.D. Student Research Projects Directed

Julie Otto, 2017

The test-retest reliability of the NEQ and the influence of administration modalities

Bryne Gonzales, 2017

Speech-in-noise perception and electrophysiologic measures of neural survival in young, normal hearing adults

Leah Stanza, 2017

Comparing DPOAE levels between noise-exposed veterans with and without tinnitus

Julie Bangert, 2016

Multivariate analyses of distortion product otoacoustic emission data for clinical applications

Nicole Denney, 2016

Screening for high risk noise exposure across the life span

Bree Bohaty, 2015

Evaluating the accuracy of hearing screenings in school-age children

Hannah Wilson, 2015

Factors influencing the timeliness of newborn hearing screening in the NICU at the University of Kansas Medical Center

Jamie Broadbent, 2015

Using amplitude-modulated stimulus frequency emissions to screen for hearing loss

Lindsey Pacey, 2014

Influence of cochlear-source mechanisms on DPOAE test accuracy

Nikki Go, 2013

Combined influence of behavioral threshold and noise exposure on OAE levels

Krysta Beaver, 2013

Correction factors for use when predicting behavioral thresholds from tone burst auditory brainstem response thresholds

Mahalet Jirenga, 2012

Influence of calibration method on distortion product otoacoustic emission fine structure

Elizabeth Stewart, 2012

Influence of calibration method on test-retest reliability of high-frequency distortion product otoacoustic emissions

Cole Campbell, 2011

Test-retest reliability of amplitude-modulated stimulus-frequency otoacoustic emissions

Laura Maack, 2011

The influence of stimulus parameters on amplitude-modulated stimulus-frequency otoacoustic emissions

Lauren Baranowski, 2010

The effects of stimulus parameters on distortion product otoacoustic emission fine structure

Kelli Murphy, 2009

Influence of stimulus parameters on distortion product otoacoustic emissions in hearing-impaired ears.

Katherine Shatzer, 2009

Stimulus frequency otoacoustic emissions

Au.D. Student Research Projects, Committee Member

Jessica Stamey, 2012

Temporary threshold shift in musicians measured by DPOAEs and pure-tone audiometry

Ph.D.Students, Chair

Nikki Go

Greta Stamper

Ph.D. Students, Dissertation Committee Member

Abdullah Jamos

Safa Alqudah

Min Kyung Han

Fadi Najem

Brian Earl

Susan Megerson

Gabriel Bargaen

Jeffery Lichtenhan

Ph.D. Students, Comprehensive Exam Committee Member

Marie Willis
Min Kyung Han
Ashlee Martz
Fadi Najem
Safa Alqudah
Aryn Kamerer

Ph.D. Students, Planning Committee Member

Min Kyung Han
Mohammad Alhanada
Fadi Najem
Hana Almohammad
Safa Alqudah
Aryn Kamerer

PROFESSIONAL SERVICE

University of Kansas, Medical Center Campus (2011-present):

Hearing and Speech Department

Audiology Curriculum Committee, Chair, 2011-present
Audiology Admissions Committee, Member, 2011 – present
Faculty Lead for CAA Audiology Program Reaccreditation Report, 2015-2016
Intercampus Executive Committee Advising Committee, Member, 2011 – 2015

School of Health Professions

Academic Affairs Committee, Member, 2015-2018
Steering Committee, Member, 2013-2014
Research Committee, Member, 2012-2015; Chair, 2013-2014

University of Kansas Medical Center

Women in Medicine and Science Executive Council, School of Health Professions
Representative, 2016-2017
Research Advisory Council, Member, 2015-2017
Faculty Assembly Research Committee, Member, 2013-2014
School of Health Professions Representative, Compliance Training Advisory
Committee, 2012

University of Kansas, Lawrence Campus (2006-2011):

Speech-Language-Hearing: Sciences and Disorders Department

Intercampus Executive Committee, Member, 2006 -2011
Audiology Taskforce, Member, 2006 – 2011
Audiology Admissions Committee, Member, 2007 – 2011
CLAS Major Fair, Departmental Representative, 2006, 2007, 2009, 2010
Ad hoc Advisory Committee for Schiefelbusch Audiology Clinic, Member, 2007-
2008

Intercampus Executive Committee Advising Committee, Member, 2008 – 2011
Departmental Library Liaison, 2008 – 2011
Search Committee for KU-Lawrence Clinical Instructor in Audiology, Member, 2010
Search Committee for SPLH Assistant Professor, Member, 2010-2011
Departmental United Way Campaign Representative, 2009
Search Committee for KUMC Clinical Instructor in Audiology, Member, 2007

College of Liberal Arts and Sciences

Committee for the Evaluation of Chairs and Directors, Member, 2010-2011.
Faculty Elections Committee, Member, 2011
General Research Fund Selection Committee, Behavioral Sciences, 2009-2010

Local and State

Coordinator, 4th Biennial Midwest Auditory Conference, 2012
Consultant to the Kansas City Veteran's Administration Hospital regarding clinical and research applications of otoacoustic emissions, 2009.

National

Journal Reviewer

Ear and Hearing
Journal of the Acoustical Society of America
Journal of Neurophysiology
International Journal of Pediatric Otorhinolaryngology
Medical Science Monitor
Neuroscience Letters
American Journal of Speech-Language Pathology
Frontiers Neuroscience

American Speech-Language-Hearing Association

Associate Coordinator of Steering Committee, Special Interest Group 6, Hearing and Hearing Disorders: Research and Diagnostics, 2011-2013
Member of the 2012 Annual Convention Program Committee
Member of the 2011 Annual Convention Program Committee
Member of Steering Committee, Special Interest Group 6, Hearing and Hearing Disorders: Research and Diagnostics, 2010-2011
Topic Coordinator (Area: Treatment of Hearing Loss and (Central) Auditory Processing Disorders in Children: (Re)habilitation and Educational Issues) for 2009 Annual Convention.
Member of the 2008 Annual Convention Program Committee

American Academy of Audiology

Member Research Committee, 2011-2014

Acoustical Society of America

Member of Local Committee for 165th Meeting, 2012
Psychological and Physiological Acoustics Representative on the Technical Program Organizing Committee for the 165th Meeting, 2012

NIH-NIDCD Outcomes for Children with Hearing Loss Project

Local Liaison; Facilitate access to University of Kansas Medical Center, 2011-present.

International

Audiology Consultant to the “Early Prevention of Neurodevelopmental Behavior Disorders in Peru” Project, Lima, Peru; project supported by Fogarty International Research grant No. HD 060500