

Virginia D Driscoll

East Carolina University Department of
Music Education and Therapy
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EDUCATION

PhD	Music Ed, con Music Therapy Dissertation Title: An Investigation of Adult Cochlear Implant Recipients' Experiences and Accuracy in Listening Tasks Involving Music and Speech	University of Iowa	December 2019
	Graduate Certificate in College Teaching	University of Iowa	December 2017
MA	Music Therapy		December 2006
	Pursued M.Ed., con Music Therapy Internship	University of Georgia University of Illinois at Chicago, Psychiatric Clinical Research Center	2003-2004 January-July 2002
BM	Music Therapy	East Carolina University	May 2001
	Pursued B.S., Chemical Engineering	North Carolina State University	1995-1998

EMPLOYMENT

Assistant Professor, Music Therapy	East Carolina University	Fall 2019-present
Managerial Accounting Grader	University of Iowa Tippie College of Business	Fall 2018-2019
Teaching Assistant, Music Therapy	University of Iowa	2016-2019 Spring 2015
Research Consultant	University of Illinois, Champagne-Urbana	2013-2019
Research Specialist, Otolaryngology – Speech Perception Outcomes	Univ. Iowa Hospitals & Clinics	2012-2013
Research Assistant II/III/Research Specialist, Otolaryngology –Music Perception Team	Univ. Iowa Hospitals & Clinics	2007-2019
Music Therapist, private contractor	Amenity Hospice	2005-2007
Graduate Assistant, Otolaryngology	University of Iowa	2004-2006
Music Therapist, private contractor	Northminster Assisted Living Facility	2003-2004
Teaching Assistant, Music Therapy	University of Georgia	2003-2004
Music Therapist, private contractor	McMinnville, TN	2003
Music Therapist, private contractor	Warren County Schools, TN	2002-2003

AWARDS AND HONORS

Southeastern-AMTA Research Award		Spring 2022
AMTA, Leadership Academy Attendee		Fall 2016
University of Iowa Music Therapy Scholarship	University of Iowa	2015-2016
AMTA Conference Scholar Award		Fall 2014
Midwestern-AMTA Research Award		Spring 2014
Pi Kappa Lambda, National Music Honor Society	East Carolina University	2001
Bobby Gowen Memorial Scholarship for Music Therapy	East Carolina University	2000
Golden Key National Honor Society	East Carolina University	2000

Honor Society of Phi Kappa Phi
Gamma Beta Phi, National Honor Society.

East Carolina University
East Carolina University

2000
1999

PROFESSIONAL ORGANIZATIONS

Society for Music Perception and Cognition	2022-present
Sigma Delta Epsilon, Graduate Women in Science	May 2015-2016
American Music Therapy Association (AMTA-Member in Good Standing)	1999-present
Certification Board for Music Therapists (Member in Good Standing)	2003-present

BOOKS/BOOK CHAPTERS

Gfeller, K., **Driscoll, V.** (2020) Music Perception in Cochlear Implantation. In, D.S. Haynes, R. H. Gifford, G. B. Wanna, A. Rivas, (Eds). Cochlear Implants: from Principles to Practice. (pp 191-200) Philadelphia, London, Panama, New Delhi, India: JP Brothers Medical Publishers

PUBLISHED MANUSCRIPTS

Masko, M., Moore, C., **Driscoll, V.**, & Thomas, N. (2020). Do we need another journal? [Editorial] Dialogues in Music Therapy Education, 1(1), i-iii. <https://doi.org/10.18060/24825>

Gfeller, K., **Driscoll, V.**, Schwalje, A. (2019) Adult cochlear implant recipients' perspectives on experiences with music in everyday life: A multifaceted and dynamic phenomenon. *Frontiers in Neuroscience*, 13, 1229. **invited paper

Gfeller, K., **Driscoll, V.**, Schwalje, A. (2019). Beyond technology: The interaction of perceptual accuracy and experiential factors in pediatric music engagement. *Otology & Neurotology*, 40(3), e290.

Brown, C.J., Jeon, E., **Driscoll, V.**, Mussoi, B., Desphande, B., Gfeller, K., Abbas, P. (2017) Effect of long term musical training on cortical evoked auditory potentials. *Ear & Hearing*, 38(2), e74-e84. **PMCID:** PMC5325201

Sjoberg, K.M., **Driscoll, V.**, Gfeller, K., Welhaven, A.E., Kirk, K., Prusick, L. (2017) The impact of electric hearing on children's timbre and pitch perception and talker discrimination. *Cochlear Implants International*, 18(1), 36-48. **PMCID:** PMC5315578

Driscoll, V., Welhaven, A., Gfeller, K., Oleson, J., Olszewski, C. P. (2016) Music Perception of Adolescents Using Electroacoustic Hearing. *Otology & Neurotology*, 37(2), e141-e147. **PMCID:** 4712735 *Invited paper

Gfeller, K., Guthe, E., **Driscoll, V.**, Brown, C.J. (2015) A preliminary report of music-based training for adult cochlear implant users: rationales and development. *Cochlear Implants International*, 16(S3), S22-S31. **PMCID:** 4646703 *invited paper

Driscoll, V., Gfeller, K., Tan, X., See, R., Cheng, H-Y, Kanemitsu, M. (2015). Family involvement in music impacts participation of children with cochlear implants in music education and music activities. *Cochlear Implants International*, 16(3), 137-146. **PMCID:** 4420640

Whipple, C.S., Gfeller, K., **Driscoll, V.**, Oleson, J., McGregor, K. (2015). The perception of musical cues conveying emotions and movement by persons with communication disorders. *Journal of Music Therapy*, 52, 78-116. **PMCID:** 4414659

Drennan, W.R., Oleson, J., Gfeller, K., Crosson, J., **Driscoll, V.D.**, Won, J.H., Anderson, E.S., Rubinstein, J.T. (2015) Clinical evaluation of music perception, appraisal and experience in cochlear implant users. *International Journal of Audiology*, 54(2), 114-123. **PMCID:** 4297259

See, R., **Driscoll, V.**, Gfeller, K. (2013). Speech intonation and melodic contour recognition in children with cochlear implants and with normal hearing. *Otology & Neurotology*, 34(3), 490. **invited paper **PMC**: 3600096

Looi, V., Gfeller, K., **Driscoll, V.** (2012) Music appreciation and training for cochlear implant recipients: A review. *Seminars in Hearing*. 33(04):307-334. **invited paper **PMCID**: 3583543

Gfeller, K., **Driscoll, V.**, Smith, R.S., Scheperle, C. (2012) The music experiences and attitudes of a first cohort of prelingually deaf adolescents and young adult CI recipients. *Seminars in Hearing*. 33(04): 346-360. **invited paper **PMCID**: 3616443

Gfeller, K., Jiang, D., Oleson, J., **Driscoll, V.**, Olszewski, C., Knutson, J.F., Turner, C. Gantz, B. (2012) The effects of musical and linguistic components in recognition of real-world musical excerpts by cochlear implant recipients and normal-hearing adults. *Journal of Music Therapy* 49(1): 68-101. **PMCID**: 3400117

Gfeller, K., **Driscoll, V.**, Kenworthy, MK, Van Voorst, T. (2011) Music therapy for preschool cochlear implant recipients. *Music Therapy Perspectives* 29(1): 39-49. **PMCID**: 3726054

Gfeller, K., Jiang, D., Oleson, J., **Driscoll, V.**, Knutson, J. (2010). Temporal Stability of Music Perception and Appraisal Scores of Adult Cochlear Implant Recipients. *Journal of the American Academy of Audiology* 21:28-34. **PMCID**: 2844251

Gfeller, K., Buzzell, A., **Driscoll, V.**, Kinnaird, B., Oleson, J. (2009) The impact of voice range and instrumental background accompaniment on recognition of song lyrics. *Proceedings of the 7th Asia Pacific Symposium on Cochlear Implants and Related Science*

Driscoll, V. D., Oleson, J., Jiang, D, Gfeller, K. (2009). The effects of training on recognition of musical instruments presented through cochlear implant simulations. *Journal of the American Academy of Audiology* 20:71- 82. **PMCID**: 2784659

Gfeller, K., Oleson, J., Knutson, J., Breheny, P., **Driscoll, V.**, Olszewski, C. (2008). Multivariate predictors of music perception and appraisal by adult cochlear implant users. *Journal of the American Academy of Audiology* 19(2), 120-134. *Selected as one of the Best of 2008 Audiology Literature: Cochlear Implants* **PMCID**: 4274269

MANUSCRIPTS IN PRESS

MANUSCRIPTS IN REVIEW

Jeon, E.K., **Driscoll, V.D.**, Mussoi, B.S., Scheperle, R., Guthe, E., Gfeller, K., Brown, C., Abbas, P. "Evaluating Changes in Adult Cochlear Implant Users' Brain and Behavior Following Auditory Training" *Ear and Hearing*

COMPUTERIZED TRAINING PROGRAM

Driscoll, VD. (2017-2019). This training program was created using a patient-engaged paradigm where the subject and programmer worked together to create a program addressing challenges in recognizing and enjoying previously enjoyed music. The purpose of this training was to improve lyric identification and recognition, with specific focus on artists and songs. –Predissertation study

Driscoll, VD. (2009). This online training program is a follow-up to the 2005 version and is intended for adults who are using cochlear implants. It contains 15, 10-12 minute tutorials (total 45) with live recordings of musical instruments. The purpose was to evaluate the method of training (feedback, feedback with correct information, and direct instruction) as it affected the outcome of timbre recognition. This has been developed as part of the Iowa Cochlear Implant Project V.

Driscoll, VD. (2005). This online-delivered timbre training program consisted of 3 experimental groups; each with 15, 10-12 minute tutorials (total 45) for normal-hearing listeners. It contained simulations of musical instruments as heard

through cochlear implant processing. The purpose was to evaluate the method of training (repeated exposure, feedback, direct instruction) as it affected the outcome of timbre recognition. This has been developed as part of the Iowa Cochlear Implant Project V.

TEST/TRAINING BATTERIES

Driscoll, V., Vermiglio, A. AzBio in Background Music. With permission from Tony Spahr, created an online version of the AzBio test in multiple background maskers, embedded within Qualtrics^{XM} software due to COVID-19 pandemic. August 2020

Driscoll, V. Modified Sung Sentence Recognition Test (SSRT-M). With permission from Dr. Lindsey Wilhelm, created a modified version of the Sung Sentence Recognition Test to evaluate the ability of individuals with normal hearing and cochlear implant recipients to understand and recognize sung sentences in the presence of varying levels of background music and in quiet. January 2019

Driscoll, V., Gfeller, K. Melodic Contour Test (MCT). Created acute pre-posttest of melodic contour detection in Articulate®. Edited and created slides, sound files to appropriate levels of pitch intervals. (RO1: Evoked Potentials & Music Perception: effects of hearing loss and training) * February 2015

Johnson, K., **Driscoll, V.** Instrumental Timbre Recognition_CI (ITR_CI). Wrote all coding, script to, replaced simulated stimuli in order to compare ability of children with cochlear implants to children with normal hearing listening in recognizing instrumental timbre they heard cochlear implant simulations. October 29, 2014

Gfeller, K., Guthe, E., **Driscoll, V.** Created long-term training program using new software (Articulate). Edited & created functional e-learning software (Articulate®). Oversaw development of elements of training including stimuli creation and editing, served as leader on timbre training section. Modified program with HTML code to increase functionality and performance of program and increase ability to collect data during training process. Final version completed October 2014. (RO1: Evoked Potentials & Music perception: effects of hearing loss and training)* March-October 2014

Driscoll, V., Gfeller, K. Created acute training and testing program as part of RO1 study looking at effect of music training on cortical responses in people with cochlear implants. (RO1: Evoked Potentials & Music perception: effects of hearing loss and training) * March -July 2014

Driscoll, V. Developed computerized HINT test for 5 lists presented in Hybrid CI simulations with random sentence presentation in accordance for a research grant (P50: Iowa Cochlear Implant Clinical Research Center Project VI) October 15, 2013

Driscoll, V. Instrument Timbre Recognition-CI (ITR-CI). Developed a timbre recognition test for adults with cochlear implants, using modified sound files for musical instruments in accordance with aims for a research grant (RO1: Evoked Potentials & Music perception: effects of hearing loss and training). September, 2013

Driscoll, V. Timbre Recognition-NH. Developed a timbre recognition test for adults with normal hearing, using modified sound files for musical instruments in accordance with aims for a research grant (RO1: Evoked Potentials & Music perception: effects of hearing loss and training). May, 2013

Driscoll, V. Spoken Word Recognition Test. Wrote all coding and script for a test of spoken word recognition as part of a training program for adults with normal hearing and those who use cochlear implants for NIH funded, departmental grant. (P50: Iowa Cochlear Implant Clinical Research Center Project VI) March, 2013

Johnson, K., **Driscoll, V.** Simulated Instrumental Timbre Discrimination (SITD). Wrote all coding, script, assisted student in modifying and equalizing sound files to evaluate the ability of children with normal hearing to discriminate instrumental timbre in cochlear implant simulations. February 17, 2012

Johnson, K., **Driscoll, V.** Simulated Instrumental Timbre Recognition (SITR). Wrote all coding, script, assisted student in modifying and equalizing sound files to evaluate the ability of children with normal hearing to recognize instrumental timbre in cochlear implant simulations. February 16, 2012

Scheperle, C., **Driscoll, V.** Perception of Emotion and Movement in Music (PEMM). Wrote all coding, script, assisted student in modifying and equalizing sound files to evaluate the perception of emotions and movement in musical excerpts by adults/children with cochlear implants, with autism spectrum disorder, and adults/children who have normal hearing and are typically developing. * February 27, 2011

Gfeller, K., Olszewski, C., **Driscoll, V.** Children's Aural Rehab (CAR). Rewrote programming code to incorporate new timing and rehabilitation ideas. October 8, 2010

Gfeller, K., Olszewski, C., **Driscoll, V.** Melody and Timbre Training (MTT). Rewrote programming code to incorporate new timing and rehabilitation ideas. October 8, 2010

Gfeller, K., **Driscoll, V.** Iowa-Timbre and Sound Quality Appraisal (I-TASQ). Wrote all coding, script, modified and equalized sound files to evaluate perception of adult and adolescent with cochlear implants on musical instruments and songs. * July 21, 2010

Smith, R.S., **Driscoll, V.** Music and Suprasegmental Test (MASST). Wrote all coding and script for test evaluating perception of pitch direction. March 25, 2010

Driscoll, V., Kim, S. Lyric Identification Test (LIT). Wrote all coding and script, created and edited all sound files to evaluate the ability of adults with normal hearing and adults/adolescents with cochlear implants to perceive lyrics in songs. March 25, 2009

Buzzell, A., **Driscoll, V.**, Kinnaird, B. Vocal Melody Recognition Pretest (VMR). Assisted in writing code for evaluation of recognition of songs sung by male and female singers. May 6, 2008

Gfeller, K., **Driscoll, V.** Timbre Test-Recognition (TTR), Iowa Music Perception & Appraisal Battery. Rewrote programming code in language compatible to work with PC as previous version ran on Mac software * August 21, 2007

Driscoll, V. Timbre Recognition in Simulation (4 tests: pretest, midpoint, end test, posttest). Tests created in conjunction with a computer training program to evaluate amount of material learned through recognition of cochlear implant simulations with adults who have normal-hearing. March 5, 2006

*currently used as part of Music Perception Team research

CONFERENCE PRESENTATIONS

International

Driscoll, V. (2021, February 5). Adaptive lessons in music therapy for older adults: more than learning a new skill. Presentation for the 10th Annual Online Conference for Music Therapy 2021. Online.

Driscoll, V. (2020). To understand lyrics: Beyond speech in noise." Podium accepted for the American Cochlear Implant Alliance, CI2020, Orlando, FL, March 18-21. *Canceled due to COVID.

Driscoll, V.D. (2018, July 9). Music therapy for training and rehabilitation of children with cochlear implants. Presented for Beats of Cochlea 2018. Kajetany, Poland. **invited presentation

Driscoll, V.D., Whipple, C.S., Gfeller, K.E., Oleson, J.J. (2014, June 21). Perception of emotions and movements in music by children with cochlear implants. Presented for 13th International Conference on Cochlear Implants and Other Implantable Auditory Technologies. Munich, Germany.

Driscoll, V.D., Gfeller, K.E., Tan, X. (2014, June 21). Participation of children with cochlear implants in music education and activities: Effects of family involvement. Presented for 13th International Conference on Cochlear Implants and Other Implantable Auditory Technologies. Munich, Germany.

Gfeller, K.E., Brown, C.J., **Driscoll, V.D.**, Jeon, E.K., Abbas, P.J. (2014, June 21). Perception of spectrally complex music and speech sounds: The impact of musical training on behavioral and CAEP outcomes. Presented for 13th International Conference on Cochlear Implants and Other Implantable Auditory Technologies. Munich, Germany.

Gfeller, K.E., **Driscoll, V.D.**, Guthe, E.L., Conrad, K. (2014, June 21). Patterns of participation of pediatric CI recipients in formal music instruction: Factors influencing persistence and success. Presented for 13th International Conference on Cochlear Implants and Other Implantable Auditory Technologies. Munich, Germany.

Gfeller, K., **Driscoll, V.**, Oleson, J., & Knutson, J. (2013, June 4). Music Perception Abilities in Relation to Speech and Psychosocial Outcomes. International Federation of Oto-Rhino-Laryngological Societies, 2013. Seoul, Korea.

Gfeller, K., **Driscoll, V.**, Oleson, J., & Knutson, J. (2013, June 3). Psychological factors influencing music perception and appraisal. International Federation of Oto-Rhino-Laryngological Societies, 2013. Seoul, Korea.

Driscoll, V., Gfeller, K., Oleson, J. (2012, May 5) Assessing cochlear implant recipients' sound quality ratings of solo and blended instrumental and vocal excerpts. Presented for 12th International Conference on Cochlear Implants and Other Implantable Auditory Technologies. Baltimore, Maryland, May 3-5.

Gfeller, K., **Driscoll, V.**, Oleson, J. (2012, May 5). A Comparison of Different Measures of Pitch Perception in Assessing Cochlear Implant Benefit to Postlingually Deaf Adults. Presented for 12th International Conference on Cochlear Implants and Other Implantable Auditory Technologies. Baltimore, Maryland, May 3-5. **presenting author

Cheng, H., **Driscoll, V.**, Gfeller, K. (2012, May 4). The Impact of Instrumental Background Accompaniment on Recognition of Traditional Mandarin Chinese Song Lyrics. Poster presented for 12th International Conference on Cochlear Implants and Other Implantable Auditory Technologies. Baltimore, Maryland, May 3-5. **presenting author

Driscoll, V., (2011, May 14). Ability of Adolescents with Cochlear Implants to Perceive Lyrics in Popular Music Compared to Peers and Adults with Normal Hearing. Invited Panelist for 10th European Symposium on Pediatric Cochlear Implantation. Athens, Greece, May 12-15.

Driscoll, V., Gfeller, K., Masko, M. (2011, May 13). Using Music in Habilitation for Preschool Children with Cochlear Implants. Presented for 10th European Symposium on Pediatric Cochlear Implantation. Athens, Greece, May 12-15

Driscoll, V., Gfeller, K. (2011, May 13). A Comparison of Prelingually Deaf Adolescents with Adult CI Recipients in Perception of Pitch Change and Error in Melodies. Presented for 10th European Symposium on Pediatric Cochlear Implantation. Athens, Greece, May 12-15

Gfeller, K., **Driscoll, V.** (2011) Musical Involvement and Enjoyment of Adolescents with Cochlear Implants. Presented for 10th European Symposium on Pediatric Cochlear Implantation. Athens, Greece, May 12-15

Gfeller, K., **Driscoll, V.** (2011). Musical Involvement and Enjoyment of Preschool and School-aged Children with Cochlear Implants. Presented for 10th European Symposium on Pediatric Cochlear Implantation. Athens, Greece, May 12-15

Gfeller, K., **Driscoll, V.**, Oleson, J., Turner, C., Kliethermes, S., Gantz, B. (2010). Acoustic + electric stimulation: Music and other spectrally complex listening tasks. 3rd International Electric Acoustic Cochlear Implant Workshop 2010, Iowa City, Iowa, October 4.

Driscoll, V., Gfeller, K., Oleson, J. (2010). A comparison of adult and adolescent CI users on measures of music and speech perception. Poster for 11th International Conference on Cochlear Implants and Other Implantable Auditory Technologies. Stockholm, Sweden, June 30-July 3, 2010.

Driscoll, V., Oleson, J., Gfeller, K. (2010) The effects of training on timbre recognition for CI users. Presented at 11th International Conference on Cochlear Implants and Other Implantable Auditory Technologies. Stockholm, Sweden, June 30-July 3, 2010.

Gfeller, K, **Driscoll, V** (2010). The effect of training on melody and timbre recognition by pediatric CI recipients. Presented at 11th International Conference on Cochlear Implants and Other Implantable Auditory Technologies. Stockholm, Sweden, June 30-July 3, 2010.

Gfeller, K, **Driscoll, V** (2010). Relations between speech recognition in background noise, babble and background music. Presented at 11th International Conference on Cochlear Implants and Other Implantable Auditory Technologies. Stockholm, Sweden, June 30-July 3, 2010.

Gfeller, K. Buzzell, A., **Driscoll, V.**, Kinnaird, B., Oleson, J. (2009). The Impact of Voice Range and Instrumental Background Accompaniment on Recognition of Song Lyrics. Presented at 7th Asia Pacific Symposium on Cochlear Implants and Related Sciences, Singapore, December 3, 2009.

Driscoll, V., Oleson, J., Jiang, D., Gfeller, K. Evaluation of Item Difficulty In Music Instrument Recognition Following Structured Training. Poster presented at the 10th International Conference on Cochlear Implants & Other Implantable Auditory Technologies, San Diego, California, April, 2008.

Gfeller, K., Oleson, J., Turner, C., **Driscoll, V.**, Hong, R., Gantz, B. Accuracy of Cochlear Implant Recipients on Speech Reception in Background Music. Presented at the 10th International Conference on Cochlear Implants & Other Implantable Auditory Technologies, San Diego, California, April, 2008.

Buzzell, A., Gfeller, K., **Driscoll, V.**, Kinnaird, B. Music Perception of Cochlear Implant Recipients: The Impact of Lyrics and Musical Accompaniment on Melody Recognition. Poster presented at the 10th International Conference on Cochlear Implants & Other Implantable Auditory Technologies, San Diego, California, April 2008.

Gfeller, K., Olszewski, C., **Driscoll, V.**, Chardos, T., Masko, M. Music therapy for children (ages 2-4) with assistive hearing devices. Invited presentation for Department of Ear, Nose and Throat, Singapore General Hospital, Singapore. March 16, 2007.

Gfeller, K, Masko, M., **Driscoll, V.** Parental involvement in music for young children with cochlear implants. Invited presentation for Department of Ear, Nose and Throat, Singapore General Hospital, Singapore. March 15, 2007.

Gfeller, K., Oleson, J., Knutson, J., **Driscoll, V.**, Turner, C., Gantz, B. Research on Music Training for Adult CI Recipients. Invited presentation for Department of Ear, Nose and Throat, Singapore General Hospital, Singapore. March 14, 2007.

Gfeller, K., Oleson, J., Knutson, J., **Driscoll, V.**, Turner, C., Gantz, B. Factors that influence music perception and enjoyment of CI recipients. Invited presentation for Department of Ear, Nose and Throat, Singapore General Hospital, Singapore. March 13, 2007.

Gfeller, K, Oleson, J., Knutson, J., **Driscoll, V.**, Turner, C., Gantz, B. "Environmental Factors and Individual Differences that Influence Music Perception and Enjoyment of CI Recipients." Keynote speech for Music Perception for Cochlear Implant Workshops, The University of Washington, Seattle, Oct. 17, 2006.

Olszewski, C., Gfeller, K., **Driscoll, V.** Effect of training on music perception by pediatric CI recipients. Presented at the 9th International Cochlear Implant Conference, Vienna, Austria, June 16, 2006.

Driscoll, V.D., Oleson, J., Rubinstein, J., Gfeller, K., Wong, J. The effect of training on timbre recognition. Presented at the 9th International Cochlear Implant Conference, Vienna, Austria, June 15, 2006.

National

Palma, Z., **Driscoll, V.**, Beebe, K. (2022). Musicians and Non-Musicians a Difference in the Ear. Poster presented at The Next Horizon: An Online Music Therapy Conference. Online, November 6, 2022.

Cunningham, A., Vermiglio, A., **Driscoll, V.**, Ormond, A., Kokinda, E., Paulson, C., Stirrett, R., Fennie, K., Hall, L. (2022). The relationship between speech recognition in noise ability and listening effort. Poster presented at AAA 2002 + HearTECH Expo, St Louis, MO, March 30-April 2.

Fennie, K., Vermiglio, A., **Driscoll, V.**, Cunningham, A., Ormond, A., Kokinda, E., Paulson, C., Stirrett, R., Hall, L. (2022) The effect of listener group and masker condition on auditory working memory. Poster presented at AAA 2002 + HearTECH Expo, St Louis, MO, March 30-April 2.

Hall, L., Vermiglio, A., **Driscoll, V.**, Ormond, A., Kokinda, E., Paulson, C., Stirrett, R., Fennie, K. (2022) The effect of musical experience on the ability to recognize speech in the presence of noise. Poster presented at AAA 2002 + HearTECH Expo, St Louis, MO, March 30-April 2.

Kokinda, E., Vermiglio, A., **Driscoll, V.**, Paulson, C., Stirrett, R., Osborne, H., Cunningham, A., Fennie, K., Hall, L., Ormond, A. (2022). The effect of self-reported dialect on speech recognition in noise performances, Poster presented at AAA 2002 + HearTECH Expo, St Louis, MO, March 30-April 2.

Paulson, C., Vermiglio, A., **Driscoll, V.**, Kokinda, E., Ormond, A., Cunningham, A., Fennie, K., Hall, L., Stirrett, R. (2022). Speech recognition in noise performances vs perceived listening difficulty. Poster presented at AAA 2002 + HearTECH Expo, St Louis, MO, March 30-April 2.

Ormond, A., Vermiglio, A., **Driscoll, V.**, Paulson, C., Stirrett, R., Cunningham, A., Fennie, K., Hall, L. (2022). The effect of semantic interference on speech perception in noise ability. Poster presented at AAA 2002 + HearTECH Expo, St Louis, MO, March 30-April 2.

Stirrett, R., Vermiglio, A., **Driscoll, V.**, Paulson, C., Kokinda, E., Osborne, H., Cunningham, A., Fennie, K., Hall, L., Ormond, A. (2022). The effect of tinnitus on speech perception in noise ability. Poster presented at AAA 2002 + HearTECH Expo, St Louis, MO, March 30-April 2.

Driscoll, V., Graham, H., Gfeller, K. (2021). Successful Music Participation of School-aged Children with Cochlear Implants: Insights from Instructors. Poster presented at the North Carolina Music Educators Association (NCMEA). Winston-Salem, NC, November 6-9, 2021.

Kokinda, E., **Driscoll, V.**, Vermiglio, A. (2021). Impact of Listener Dialect on Speech Perception in Noise. Poster presented at the American Academy of Audiology: All Audiology. All Digital. Online.

Davis, R., Shapiro, K., **Driscoll, V.**, Vermiglio, A., Kokinda, E. (2021). Speech Recognition in Noise Abilities between Musicians and Non-Musicians. Poster presented at the American Academy of Audiology: All Audiology. All Digital. Online.

Jeon, E.K., **Driscoll, V.**, Mussoi, B., Whittle, K., Brown, C.J. (2018, April 18-21). Timbre recognition in cochlear implant users: Perception, cortical responses, and listening effort. Poster presented at the American Academy of Audiology, Nashville, TN, April 18-21.

Gfeller, K., **Driscoll, V.**, Schwalje, A. (2018, March 10). Stakeholder input identifies barriers to and strategies for enhancing functionality and quality experiences for cochlear implant users in complex listening situations involving music. Paper presented at American Cochlear Implant Alliance, CI2018: Emerging issues in cochlear implantation, Washington, DC, March 7-10.

Jeon, E.K., **Driscoll, V.**, Mussoi, B., Whittle, K., Brown, C.J. (2018, March 1-3). Timbre Recognition in Cochlear Implant Users: perception, cortical responses, and listening effort. Poster presented at the American Auditory Society, Scottsdale, AZ, March 1-3.

Driscoll, V.D., Gfeller, K. (2017, November 18). Patient-engaged research: Enhancing the relevance of research to clinical needs. Presented at the American Music Therapy Association's 2017 Conference, St. Louis, MO, November 16-19.

Driscoll, V.D., Gfeller, K. (2015, November 14). Successful music participation for pre-school and school-aged children with cochlear implants. Presented at the American Music Therapy Association's 2015 Conference, Kansas City, MO, November 12-15.

Gfeller, K., **Driscoll, V.D.**, Oleson, J., Whipple, C. (2015, October). The impact of cochlear implants, age, and hearing history on recognition of emotions in music. Presented at the CI 2015 Symposium, Washington, DC, October 15-17.

Driscoll, V.D., Gfeller, K. (2015, October 15). Single-sided deafness and music perception: the impact of bimodal hearing. Presented at the CI 2015 Symposium, Washington, DC, October 15-17.

Kirk, K.I., **Driscoll, V.** (2015, October). Assessing audiovisual speech perception in adults with hearing loss: Effects of signal-to-noise ratio. Presented at the CI 2015 Symposium, Washington, DC, October 15-17.

Driscoll, V.D., Welhaven, A.E., Oleson, J., Kirk, K.I. (2014, December 12). Children with cochlear implants and normal hearing peers: Effect of presentation format and signal-to-noise ratio on performance of speech recognition. Presented at the 14th Symposium on Cochlear Implants in Children, Nashville, Tennessee, December 11-13.

Driscoll, V., Welhaven, A., Gfeller, K., Oleson, J., Olszewski, C. (2014, December 12). Music perception of adolescents using the L24 Hybrid cochlear implant. Presented at the 14th Symposium on Cochlear Implants in Children, Nashville, Tennessee, December 11-13.

Driscoll, V., Welhaven, A., Gfeller, K., Oleson, J., Olszewski, C. (2014, December 11). Music perception of pediatric CI users with conventional long electrodes compared with those using Hybrid L24. Presented at the 14th Symposium on Cochlear Implants in Children, Nashville, Tennessee, December 11-13.

Gfeller, K.E., Sjoberg, K.J., **Driscoll, V.D.**, Oleson, J., Kirk, K.I. (2014, December 11). Timbre and pitch perception of children listening to cochlear implant simulations and relations with talker identification, speech recognition, and age. Presented at the 14th Symposium on Cochlear Implants in Children, Nashville, Tennessee, December 11-13.

Dunn, C., Etlar, C., Jeon, E.K., **Driscoll, V.**, Gfeller, K., Hansen, M., Gantz, B. (2014, November 21). Outcomes of patients with single-sided deafness who receive a cochlear implant. Presented at the 2014 ASHA Conventions, Orlando, FL, November 20-22.

Driscoll, V., Click, J., Guthe, E. (2014, November 9). Allergies in a session: Protecting our clients. Presented at the American Music Therapy Association's 2014 Conference, Louisville, KY, November 6-9.

Ahola, M., Battista-Hancock, M., Carpena, J., **Driscoll, V.D.**, George, J., Hunter, L., Masko, M.K., Sena Moore, K. (2014, November 8). Got my MT boots and backpack--now where do I pitch my tent? Presented at the American Music Therapy Association's 2014 Conference, Louisville, KY, November 6-9.

Driscoll, V. (2014, November 7). Electro-acoustic hearing: Cochlear implants, hybrids, and implications for MT. Presented at the American Music Therapy Association's 2014 Conference, Louisville, KY, November 6-9.

Brown, C., Jeon, J., Mussoi, B., Gfeller, K., **Driscoll, V.**, Abbas, P. (2014, March 8). Musical Training: Effect on Perception and Electrophysiologic Measures of Discrimination. Paper presented at the 2014 American Auditory Society Scientific and Technology Meeting, Scottsdale, AZ, March 6-8.

Diamond, L. Kirk, K.I., **Driscoll, V.**, Dowdy, L., Palmer, M., Prachar, N. (2013, Nov 14). Children's speech perception in noise: effects of age and presentation format. Poster presented at 2013 ASHA Convention, Chicago, IL, November 14-16.

Gfeller, K., **Driscoll, V.** (2013, September 7). Factors that contribute to and impede satisfactory music participation in adult CI recipients. Presented at the Second Web Conference for the Association of Adult Musicians with Hearing Loss.

Smith, R., Gfeller, K., **Driscoll, V.** (2011, July 14) Perception of melodic contour and speech prosody by pediatric CI recipients and normal hearing child. Presented at the 13th Symposium on Cochlear Implants in Children, Chicago, IL, July 14-16, 2011. *selected Invited talk **presenting author

Driscoll, V., Gfeller, K., Masko, M. (2011). The use of music therapy in habilitation of speech, language, and aural goals for preschool CI recipients. Poster presented at 13th Symposium on Cochlear Implants in Children, Chicago, IL, July 14-16, 2011.

Walker, E., Dunn, C., Gantz, B, **Driscoll, V.**, Etlar, C., Kenworthy, M., Van Voorst, T. (2009). Long-term performance for children with cochlear implants. Presented at 2009 ASHA Convention, New Orleans, LA, November 20, 2009.

Driscoll, V., Gfeller, K., Furman, A.G., Kenworthy, M., Van Voorst, T. (2008). Music therapy and aural rehabilitation of pediatric cochlear implant recipients. Presented at the 10th Annual American Music Therapy Association National Conference, St. Louis, Missouri, November, 2008.

Gfeller, K. Olszewski, C., & **Driscoll, V.** A comparison of adolescent and adult CI users on four music perception measures. Presented at the 10th Symposium on Cochlear Implants in Children, Dallas, Texas, March 18, 2005.

Olszewski, C., **Driscoll, V.**, Chardos, T., Gfeller, K., & Masko, M. Working with Children (ages 2-4) with Cochlear Implants: A Program Protocol. Presented at the 7th Annual American Music Therapy Association National Conference, Orlando, Florida, November 20, 2005.

Taylor, D.B., Knight, D., **Darnell, V.**, Beecroft, B, Blue, R.P. How to successfully apply biomedical music therapy in professional practice. Presented at the 5th Annual American Music Therapy Association National Conference, Minneapolis, Minnesota, November, 22, 2003.

Darnell, V. A. Double challenge: Music therapy with co-morbid mentally ill and substance abuse patients. Presented at the 4th Annual American Music Therapy Association National Conference, Atlanta, Georgia, November 1, 2002.

Darnell, V., Sena, K., Elliot, C., Gagnon, S., Shearin, L. Stairway to professionalism: A student's guide to defining and understanding music therapy for both self and others. Presented at the 4th Annual American Music Therapy Association National Conference, Atlanta, Georgia, November 1, 2002.

Beck, J.B.B., Shepard, S., Hobson, T., **Darnell, V.**, Martinez, B., Salez, E., Young, J. SAAB student session: Keeping the music therapy magic. Presented at the 3rd Annual American Music Therapy Association National Conference, Pasadena, California, October 26, 2001.

Regional

Driscoll, V., Palma, Z., Golomb, E., Cox, K., Beebe, K., Pope, R., Divon, G., Vaughn, R., Ferretiz, A., Knox, R. (2022) Extended High-Frequency Perception and Predictors of Hearing Abilities in Musicians: Instrumentation and Vocal Comparisons. Poster presented at the Southeastern Region-American Music Therapy Association Conference, Lexington, Kentucky, March 24-26, 2022.

Palma, Z., **Driscoll, V.**, Golomb, E., Pope, R., Beebe, K, Vaughn, R. (2022). Comparing High Frequency Perception, Standard Pitch Range & Relative Pitch Perception of Pianists and Vocalists. Poster presented at the Southeastern Region-American Music Therapy Association Conference, Lexington, Kentucky, March 24-26, 2022.

Beebe, K., **Driscoll, V.** Palma, Z., Pope, R., Golomb, E., Cox, K., Divon, G., Vaughn, R., Ferretiz, A., & Knox, R. (2022, March). A Comparative Analysis of Hearing Levels between Collegiate Musicians; Instrumentalists vs Vocalists. Poster presented at the Art, Science, and Health Southeastern Region of American Music Therapy Association (AMTA) 2022, Lexington, Kentucky, March 24-26, 2022.

Cox, K., **Driscoll, V.**, Ferretiz, A., Beebe, K., Pope, R., Vaughn, R., Palma, Z., Knox, R., Golomb, E., Divon, G. (2022). Comparing the evaluations of hearing Levels in Musicians Across Age. Poster presented at the Southeastern Region-American Music Therapy Association Conference, Lexington, Kentucky, March 24-26, 2022.

Divon, G., **Driscoll, V.**, Golomb, E., Palma, Z., Beebe, K., Pope, R., Vaughn, R., Knox, R., Cox, K. (2022) The evaluation of hearing levels through different classifications of ECU Students and Faculty. Poster presented at the Southeastern Region-American Music Therapy Association Conference, Lexington, Kentucky, March 24-26, 2022. *Winner: Student Research Poster Award

Ferretiz, A., **Driscoll, V.**, Palma, Z., Beebe, K., Pope, R., Golomb, E., Cox, K., Divon, G., Vaughn, R., & Knox, R. (2022, March). Comparing the Hearing of Musicians vs Non-musicians. Poster presented at the Art, Science, and Health Southeastern Region of American Music Therapy Association (AMTA) 2022, Lexington, Kentucky, March 24-26, 2022.

Golomb, E., Palma, Z., Divon, G., Vaughn, R., Ferretiz, A., Beebe, K., Pope, R., Cox, K., Knox, R., **Driscoll, V.** (2022). A Comparison of Hearing of Vocal Student's vs String-playing Students. Poster presented at the Southeastern Region-American Music Therapy Association Conference, Lexington, Kentucky, March 24-26, 2022.

Knox, R., **Driscoll, V.**, Palma, Z., Cox, K., Beebe, K., Pope, R., Golomb, E., Divon, G., Vaughn, R. (2022) Non-Musician Blue Collar Employees Hearing Comparison with Musicians. Poster presented at the Southeastern Region-American Music Therapy Association Conference, Lexington, Kentucky, March 24-26, 2022.

Pope, R., **Driscoll, V.**, Beebe, K., Ferretiz, A., Cox, K., Palma, Z., Divon, G., Vaughn, R., Golomb, E., Knox, R. (2022). A comparison of high-frequency hearing levels between formal and informal musicians. Poster presented at the Southeastern Region-American Music Therapy Association Conference, Lexington, Kentucky, March 24-26, 2022.

Vaughn, R., Palma, Z., Divon, G., Beebe, K., Golomb, E., Ferretiz, A., Cox, K., Pope, R., Knox, R., **Driscoll, V.** (2022). Gender Difference Between Music Majors on High-Frequency Hearing. Poster presented at the Southeastern Region-American Music Therapy Association Conference, Lexington, Kentucky, March 24-26, 2022.

LaGasse, B., Masko, M., Wlodarczyk, N., Knight, A., **Driscoll, V.** Suggestions, tips, and discussion on music therapy research: a roundtable discussion. Presented at the 2014 Midwestern Region-American Music Therapy Conference, Springfield, Missouri, April 4, 2014.

Kennedy, R., **Darnell, V.** Movement to music, rhythm activities and "sophistry" techniques for females with substance abuse problems. Presented at the 2004 Southeastern Region-American Music Therapy Association Conference, Chattanooga, Tennessee, April 2, 2004.

Taylor, D.B., Knight, D., **Darnell, V.**, Beecroft, B. How to successfully apply biomedical music therapy in professional practice. Presented at the 50th Annual Great Lakes Regional Conference, Minneapolis, Minnesota, March 29, 2003.

INVITED PRESENTATIONS

Driscoll, V. (2022). *Music and music therapy in speech-language and hearing in children*. Presentation for SHARE: Speech-language Hearing Area Resource Exchange. January 28, 2022.

Gfeller, K., **Driscoll, V.** (October 7-19, 2015). *Music perception and using music in auditory intervention with CI users*. Presentation for ASHA Online Conference with follow-up live-chat October 14, 2015.

Driscoll, V. (2013, November 18) *Effects of training on the recognition of musical instruments by adults with cochlear implants*. Presentation at Audiology Conference for Mayo Clinic, Rochester, MN. Simultaneously broadcast to all Mayo sites.

Driscoll, V. (2013, April 20) *Music Therapy for children with hearing loss and speech-language delays*. Presentation for parents of children with hearing loss and the Iowa AG Bell association.

Driscoll, V. (2012, April 13) Keynote presentation for Midwestern Region Passages conference.

Driscoll, V.D. (2008, October 15). *Music and your children: A parent's guide*. Presentation for The Nest of Johnson County, an organization that works with at-risk families.

Driscoll, V.D. (2007, October 31). *Music and your infant: A parent's guide*. Presentation for The Nest of Johnson County, an organization that works with at-risk families.

Driscoll, V.D. (2006, August). *Music therapy in hospice*. Presentation for Amenity Hospice volunteer training.

Driscoll, V.D. (2005, November). *Music therapy in hospice: How can we work together?* Presentation to staff of United Presbyterian Home, Washington, Iowa.

Masko, M., **Driscoll, V.D.** (2005, October). *Music therapy as a profession*. Presentation for Solon High School students and The Workplace Learning Connection, Solon, Iowa.

Darnell, V.A. (2002, June). *Music therapy in the medical setting*. Presentation for Hospital Week, University of Illinois at Chicago, Chicago, Illinois.

Darnell, V.A. (2002, May). *Benefits of Music therapy*. Presentation for Nursing Externs, University of Illinois at Chicago, Chicago, Illinois.

Darnell, V.A., Leder, R. (2002, March). *Music therapy in pain management*. Presentation for Grand Rounds, University of Illinois at Chicago, Chicago, Illinois.

PROFESSIONAL SERVICE

Professional Association:

Student Affairs Advisory Board, National Organization, Co-Advisor	Spring 2022-present
<ul style="list-style-type: none"> • Serve as liaison between student and professional boards of the regions of AMTA • Assisted students in organization of Passages, Student-led conference • Work with student board to create, organize, and promote yearly fundraising efforts • Provided guidance to student officers at regional and national level • Assist with transition between newly elected and outgoing officers and advisors 	
Assembly of Delegates, Delegate- Southeastern Region of AMTA	Spring 2022- present
Webmaster, Music Therapy Association of North Carolina (MTANC)	Spring 2022- present
American Music Therapy Association for Students	July-November 2020
<ul style="list-style-type: none"> • Judge for E. Thayer Gaston Writing Competition 	
Midwestern Region, AMTA Local Conference Committee	March 2017-March 2018
<ul style="list-style-type: none"> □ Audiovisual/Instrument Chair 	

Student Affairs Advisory Board, Midwestern Region of AMTA August – November 2017
April 2015-April 2017

- Serve as liaison between student and professional boards of Midwestern region
- Develop scholarship project yearly for intern/undergraduate students facilitated by MWRAMTAS fundraising. Coordinate blind review of submission for selection of recipients.
- Work with student board to create, organize, and promote yearly fundraising efforts
- Provided guidance to student officers at regional and national level
- Assist with transition between newly elected and outgoing officers and advisors
- Assisted students in organization of Passages, Student-led conference held each spring at Midwestern Region conference. Coordinated review of proposal submissions and blind review.
- Worked with students of MWRAMTAS to organize the inaugural Cadenza 5K at 2015 and 2017 AMTA national conferences, raising over \$3000 in 2015 and over \$2500 in 2017 for student scholarships. Secured sanctioning, location, and sponsorships for the 2015 race. Secured sanctioning and assisted in sponsorships for 2017, serving as race director for both events.

Midwestern Regional Representative, Music Therapy Research 2025 2015

- Served as representative of regional delegates, students, and researchers during American Music Therapy Association National conference business meeting “mini-panel”

AMTA Awards Committee, Member 2009-2011

Co-chair, Membership Committee of American Music Therapy Association 2006-2013

Student Organizations

Financial Advisor, Sigma Alpha Iota – Beta Psi Chapter Spring 2022-present
Co-Advisor, ECU Music Therapy Organization Fall 2019-present

University Committees

Friends of School of Music Gala Committee 2022-present
Ad Hoc Committee on Release Time Spring 2022
Technology Committee 2019-present

Community Organizations

The Eastern North Carolina Dance Foundation, Inc. August 2022-present

Journals:

Consulting Reviewer, *Cochlear Implants International* August 2022
Consulting Reviewer, *International Journal of Audiology* June 2022
Consulting Reviewer, *Cochlear Implants International* January-February 2022
Consulting Reviewer, *International Journal of Audiology* October 2021-January 2022
Consulting Reviewer, *Journal of Music Therapy* August-October 2021
Consulting Reviewer, *PLOS One* June- August 2021
Consulting Reviewer, *Dialogues in Music Therapy Education* December 2020-June 2021
Founding Member of Editorial Board: *Dialogues in Music Therapy Education* Fall 2019-present
Editor for Book reviews
Consulting Reviewer, *Journal of the American Academy of Audiology* July-February 2022
Consulting Reviewer, *Cochlear Implants International* July-2021 February 2022
Consulting Reviewer, *The Laryngoscope* July-August 2019
Consulting Reviewer, *Ear and Hearing* February-March 2018
Consulting Reviewer, *Journal of the American Academy of Audiology* September 2017
Consulting Reviewer, *Ear and Hearing* March-April 2017
Consulting Reviewer, *Cochlear Implants International* February 2017
Consulting Reviewer, *Cochlear Implants International* November-December 2016

Consulting Reviewer, <i>Journal of the American Academy of Audiology</i>	September 2016
Consulting Reviewer, <i>Cochlear Implants International</i>	August 2016
Consulting Reviewer, <i>Journal of the American Academy of Audiology</i>	June 2016
Consulting Reviewer, <i>Journal of the Acoustical Society of America</i>	April-May 2016
Consulting Reviewer, <i>Cochlear Implants International</i>	March-June 2016
Consulting Reviewer, <i>Journal of the American Academy of Audiology</i>	November-December 2015
Consulting Reviewer, <i>Cochlear Implants International</i>	October 2015
Consulting Reviewer, <i>Music Therapy Perspectives</i>	October 2015
Consulting Reviewer, <i>Cochlear Implants International</i>	August 2015
Consulting Reviewer, <i>Music Therapy Perspectives</i>	July 2015
Consulting Reviewer, <i>Cochlear Implants International</i>	June 2015
Consulting Reviewer, <i>Advances in Otolaryngology</i>	May-June 2015
Consulting Reviewer, <i>Journal of the American Academy of Audiology</i>	April 2015
Consulting Reviewer, <i>Music Therapy Perspectives</i>	March-April 2015
Consulting Reviewer, <i>Journal of Music Therapy</i>	December 2014
Consulting Reviewer, <i>Ear and Hearing</i>	November-December 2014
Consulting Reviewer, <i>American Journal of Audiology</i>	August-September 2014
Consulting Reviewer, <i>Ear and Hearing</i>	August 2014
Consulting Reviewer, <i>Cochlear Implants International</i>	July-August 2014
Consulting Reviewer, <i>International Journal of Audiology</i>	June-July 2014
Consulting Reviewer, <i>International Journal of Otolaryngology</i>	June-July 2014
Consulting Reviewer, <i>Ear and Hearing</i>	May 2014
Consulting Reviewer, <i>Cochlear Implants International</i>	April-May 2014
Consulting Reviewer, <i>Journal of the American Academy of Audiology</i>	March-May 2014
Consulting Reviewer, <i>Cochlear Implants International</i>	February-March 2014
Consulting Reviewer, <i>Journal of the American Academy of Audiology</i>	January-February 2014
Consulting Reviewer, <i>Cochlear Implants International</i>	November 2013
Consulting Reviewer, <i>Cochlear Implants International</i>	September 2013
Consulting Reviewer, <i>Journal of the American Academy of Audiology</i>	May-June 2013
Consulting Reviewer, <i>Cochlear Implants International</i>	May -September 2013
Consulting Reviewer, <i>Cochlear Implants International</i>	November 2012-March 2013
Consulting Reviewer, <i>Journal of the American Academy of Audiology</i>	November 2012
Consulting Reviewer, <i>Journal of the American Academy of Audiology</i>	November 2011
Consulting Reviewer, <i>Journal of the American Academy of Audiology</i>	May-June 2011
Consulting Reviewer, <i>International Journal of Audiology</i>	December 2010
Consulting Reviewer, <i>Ear and Hearing</i>	November 2010

Undergraduate:

Past-President of American Music Therapy Association of Students	2003-2004
President of the American Music Therapy Association of Students (AMTAS)	2002-2003
Parliamentarian for American Music Therapy Association of Students (AMTAS)	2001-2002
Student Representative-Elect, Alternate for American Music Therapy Association (SER-AMTA)	2000-2001
President of East Carolina University, Music Therapy Student Organization	2000-2001

COURSES TAUGHT

CSDI 4003:002	Special Problems in Speech and Hearing Co-instructor with Andrew Vermiglio	Spring 2021-22
CSDI 4003:001	Special Problems in Speech and Hearing Co-instructor with Andrew Vermiglio	Fall 2020-22
MUSC 5997:001	Music Therapy Internship	Fall/Spring 2019-2022
MUSC 5287:001	Psychology of Music: Research Lab	Spring 2020-22
MUSC 5267:001	Psychology of Music II: Research	Spring 2020-22
MUSC 2287:001	Introduction to Music Therapy: Practica	Spring 2020-22 Fall 2022
MUSC 5257:001	Psychology of Music Foundations	Fall 2019-22
MUSC 4287:001	Music Therapy Practicum	Fall 2019-22
MUSC 4277:001	Music for Group Activities	Fall 2019-22
MUS:2672:0002	Foundations of Music Therapy II	Spring 2017
MUS:2671:0001	Foundations of Music Therapy I TA with Mary (Joey) Walker	Fall 2016
MUS:2671:0002	Foundations of Music Therapy I TA with Mary (Joey) Walker	Fall 2016
MUS:3675:0002	Music Therapy Practicum I Co-instructor with Dr. Mary Adamek	Fall 2015

OTHER TEACHING ACTIVITIES

Honors thesis supervision: 3

Kathryn G. Fennie, Honors Thesis “The Effect of Listener Group and Masker Condition on Auditory Memory Scores.” 2021-2022

Abigail Ormond, Honors Thesis “The Effect of Semantic Interference on Speech Perception in Noise Ability.” 2021-2022

Rebecca Mu-En Davis, Honors Thesis “Speech Recognition in Noise Abilities between Musicians and Non-Musicians.” 2020-2021

Senior project supervision: 2,

Erin Kokinda “Impact of Listener Dialect on Speech Perception in Noise”, Fall 2020-Spring 2021

Ben Leusner, Undergraduate Research and Creative Activity (URCA) “TEMPI: Technology Embedded Music Production with Improvisation” Project. Fall 2022

INVITED LECTURES

Virtual guest lecture. *Psychodynamic Approach in Music Therapy*. Seminar in Music Therapy Topics. University of Iowa, Iowa City, IA. (March 9, 2022).

Invited speaker. *Music Therapy for children with hearing loss and speech-language delay*. Workshop given at the SHARE conference, Greenville, NC. (January 28, 2022).

Virtual guest lecture. *Music Research in Cochlear Implants*. Research Methods. Berklee College of Music, Boston, MA. (June 2, 2020).

Virtual guest lecture. *Music Perception and Training for Cochlear Implant Users*. Psychology of Music. The University of Kansas, Lawrence, KS. (October 7, 2019).

Guest Speaker. *New developments in Cochlear Implants with music*. Nursing CEU, The University of Iowa Hospitals and Clinics, Iowa City, IA. (April 13, 2019).

Guest lecture. *What a Researcher Looks Like and Does: Research Applications Applied in Clinical Practice*. Research methods and practices. Berkeley College of Music, Boston, MA. (June 26, 2018).

Guest lecture. *Psychodynamic and Humanistic Approaches in Music Therapy*. Research and Theories in Music Therapy. University of Iowa, Iowa City, IA. (March 21, 2018).

Guest lecture. *Music Therapy for COPD*. Music Therapy Seminar: Music and Medicine. University of Iowa, Iowa City, IA. (November, 28, 2017).

Virtual guest lecture. *Music Perception for Children with Hearing Loss and Speech-Language Delays*. Introduction to Music Therapy. Colorado State University, Fort Collins, CO. (October 9, 2017).

Virtual guest lecture. *Music Perception and Training for Cochlear Implant Users*. Psychology of Music. The University of Kansas, Lawrence, KS. (September 29, 2017).

Guest lecture. Guest lecture. *Music Therapy for Children with Hearing Loss: Examples of Clinical Practice to Address Goals*. Introduction to Music Therapy. University of Iowa, Iowa City, IA. (September 20, 2017).

Guest lecture. *Research in Music Perception and Music Therapy*. Research Methods. Western Illinois University, Macomb, IL. (November 3, 2016).

Virtual guest lecture. *Music Perception and Training for Cochlear Implant Users*. Psychology of Music. The University of Kansas, Lawrence, KS. (October 3, 2016).

Guest lecture. *Music Therapy for Children with Hearing Loss*. Introduction to Music Therapy. University of Iowa, Iowa City, IA. (September 21, 2016).

Guest lecture. *Music for Social Connectedness*. University of Iowa, Iowa City, IA. (February 16, 2016).

Virtual guest lecture. *Cochlear implants and hearing loss in music therapy*. University of North Dakota. (to occur February 11, 2016).

Guest lecture. *Music Therapy in the NICU*. University of Iowa, Iowa City, IA. (October 15, 2015).

Guest lecture. *Music Therapy in the NICU*. University of Iowa, Iowa City, IA. (October 13, 2015).

Virtual guest lecture. *Cochlear implants and hearing loss: the effect of music perception*. University of North Dakota. (February 10, 2015).

Guest lecture. *Cochlear implants: Impact on Speech and Music*. First-year seminar: iPods, High Fidelity, Music, and Hearing. University of Iowa, Iowa City, IA. (October 7, 2014).

Guest lecture, *Music therapy and aural rehabilitation for pediatric cochlear implant recipients*. University of Iowa, Iowa City, IA. (March 3, 2014).

Guest lecture. *Instruction on completing an IRB application and the steps of the process*. University of Iowa, Iowa City, IA. (February 13, 2014)

Virtual guest lecture with University of North Dakota, music therapy class. *Music therapy with sensory disorders: Hearing loss and the applications of research*. (February 7, 2013).

Guest lecture. *Music perception through cochlear implants and prospect of online training*. First-year seminar: Ipod Music, High-fidelity sound and hearing. University of Iowa, Iowa City, IA. (September 27, 2011)

Virtual guest lecture with University of North Dakota, music therapy class. *Journey through Music Therapy to Research, and Its Applications in Practice*. (February 9, 2011).

Music Therapy Practicum Seminar. *Music Therapy for maintaining wellness*. University of Iowa, Iowa City, IA. (November 19, 2009)

Music Therapy Practicum Seminar. *Journey to Professionalism*. University of Iowa, Iowa City, IA. (November 5, 2009).

Music Therapy Foundations. *Reinforcement during Music Therapy sessions: How to modify behaviors*. University of Iowa, Iowa City, IA. (November 29, 2005)

Child Development class on Music and Intelligence at Columbia College, Chicago, IL. (May, 2002)

MANUSCRIPTS IN PREPARATION

Driscoll, V., Palma, Z., Perception of musician and non-musicians of high frequencies beyond a traditional audiogram

Driscoll, V., Palma, Z. The Experience of Students in a Course-based Undergraduate Research Experience (CURE).

Driscoll, V., Gfeller, K., Graham, H. Successful music participation of school-aged children with cochlear implants: insight from students and instructors.

Kokinda, E., Vermiglio, A., **Driscoll, V.**, Osborne, H., Stirrett, R., Davis, R., Shapiro, K., Sturdivant, K., Impact of listener dialect on speech perception in noise in various maskers. To be submitted to *Journal of the American Academy of Audiology*

Driscoll, V., Kim, H, Reznicek, L. Perceptual accuracy of adults with cochlear implants and normal hearing on the recognition of sung sentences in competing background music.

Driscoll, V. The experience of cochlear implant recipients in complex listening environments: Their challenges and approaches to successful navigation.

Driscoll, V., Schwalje, A. Rehabilitation efforts for individuals with cochlear implants: A scoping review.

Driscoll, V. Music perception of adults with single-sided deafness: Impact of bimodal listening on synergy of sounds.

DATA COLLECTION AND ANALYSIS IN PROGRESS

Data collection:

Effectiveness of traditional versus electronic musical instruments on involvement in improvisation for adults with IDD.

- Grant submitted for materials
- IRB submitted
- Data collection for baseline

Preparation/Analysis:

Experience of students in a Course-based Undergraduate Research Experience

- Continuing data analyses and write-up

Perception of musician and non-musicians of high frequencies beyond a traditional audiogram.

- Continuing data analyses and write-up

Perception of adults with electroacoustic hearing on emotions and movements in music

- Continuing data analysis

Appraisal of melodies and timbre by adults with cochlear implants.

- Continuing data analyses and write-up

Community engagement in music perception improvement and information for adults with cochlear implants

- Continuing data analysis and write-up

Performance of adults with single-sided deafness on music perception tasks: evaluation of bimodal and synergetic listening.

- Continuing data analysis and write-up

Performance of adults with residual hearing following traditional cochlear implant surgery (non-short electrode)

- Continuing data analysis and write-up

Perception of children on varying tasks of pitch perception: prosody, contour, emotion, threshold

- Continuing data analysis and write-up

The role of personality characteristics on music performance in adults and adolescents with cochlear implants.

- Continuing data analysis and write-up

Ability of adults and children with cochlear implants to perceive error in melodies using the Modified Melodies Test.

- Continuing data analysis and write-up

CLINICAL/RESEARCH WORK

Evaluation of Training for Adults with Cochlear Implants on Timbre Perception-PI 2009-2019
 Implemented research training program for adults with cochlear implants. Recruited 108 individuals to participate within the Iowa Cochlear Implant Clinical Research Grant, of whom 53 have completed training.
 Created additional IRB-approved study to recruit individuals throughout the United States and Canada who have cochlear implants, with 89 individuals currently taking part in training (47 of whom have completed training). Completed as part of the Music Perception Team, Department of Otolaryngology research aims for NIH grant.

Evaluation of Music Training on Speech Perception of Adolescents with Cochlear Implants 2008-2012
 Coordinated programming, recruiting and implementation of training program with Master's candidate as part of her Capstone project. Training program targeted adolescents 16-25 who have cochlear implants investigating the generalization of speech perception improvement using popular music from commercial recordings in the media by training on lyric recognition.
 Completed as part of the Music Perception Team, Dept of Otolaryngology research aims for NIH grant.

Listen and Speak Up Program-Lead Music Therapist and Supervisor 2005-2019
 Coordinate 6-week summer program with Speech-language pathology, Audiology, and Music Therapy students and professional to provide interdisciplinary therapy for children with hearing losses, cochlear implants and speech-language delays for two, thirty-minute sessions per week as part of Music Perception Team, Department of Otolaryngology. Serve as a lead music therapist and supervisor for MT students since 2006.

FUNDING

Submitted

NIH SBIR--Proposal No: GRANT 13706189

A Speech Recognition in Noise Test for the Evaluation of Functional Hearing: Online Screening and Clinical Evaluation

Funding: \$90,559

Role: Co-PI

Submitted
September 2022

Ongoing Research Support

Completed Funding

Course-based Undergraduate Research Experience

1/1/22-6/30/22

Office for Undergraduate Research

Funding for student-driven research project to investigate sub-inquiries under the umbrella of musician and non-musician hearing and high frequency perception.

Funding: \$9000.

Approved 11/5/2021

Role: PI

Application for Clinical Support

Spring 2021

Blue Star Connection, Grand County Blues Society

Funding for instruments (guitars, bags, and straps, bucket drum heads) to be provided to Pitt County Group Home residents for the use of the instruments in their residences and to be used during virtual/remote and in-person music therapy sessions.

Funding requested: \$2700

Approved 3/2/2021

Funding received: \$1350

Application for Teaching Support

Spring 2020

Open Education North Carolina Faculty Adoption Grant

Teaching support for use of Open-access textbooks in MUSC 5267 for Spring 2020

Requested: \$1000

Approved 10/31/19

Application for Research Support

Graduate & Professional Student Government Research Funding

4/5/2019

Research funding for dissertation: \$1000

Partially funded: \$500

P50 DC00242

Gantz (PI)

University of Iowa Cochlear Implant Research Center, grants IV-V

8/1/17-6/14/19

The purpose of this study was to investigate the perception of adults and children with cochlear implants and evaluate the performance before and after implantation of various devices.

Role: Research Specialist

DOD A-18173

Hansen (PI)

7/1/13-6/14/19

**Nucleus Hybrid (L24) Hearing Preservation Cochlear
Implants in Veterans and Service Members with Noise
Induced Hearing Loss**

The purpose of this study is to evaluate the effectiveness of the Hybrid L24 cochlear implants in veterans and military service members with hearing loss caused by their service duty. We are investigating the impact of hearing loss rehabilitation with hearing preservation cochlear implants on quality of life and job performance.

Role: Research Specialist

Community Impact Grant Gfeller (PI)

One year-grant utilizing patient-engaged research protocol, focus groups, and questionnaires to develop resources for cochlear implant recipients regarding music perception and rehabilitation products available

Role: Research Specialist

8/1/17-5/31/18

R01 DC012082-10 Brown & Gfeller (PI)

**Evoked Potentials & Music Perception: Effects of Hearing
Loss and Training**

The goal of this study is to investigate characteristics of listener's auditory system, the acoustic signal input, as well as benefit of music training in relation to perception of spectrally complex sounds.

Role: Research Specialist

6/1/13-7/31/16

P50 DC00242 Gantz (PI)

University of Iowa Cochlear Implant Research Center, grants IV-V

The purpose of this study was to investigate the perception of adults and children with cochlear implants and evaluate the performance before and after implantation of various devices.

Role: Research Specialist

8/2004-2/1/2013

Travel Funding Received

Philanthropy Student Success Grant

Travel funding to attend 2018 AMTA conference \$1000

4/19/2018

Graduate & Professional Student Government Travel Funding

Travel funding to attend 2015 AMTA conference \$500

12/1/2015

Funding Not Awarded

ECU Undergraduate Research and Creative Activity (Mentor)

**TEMPI: Technology Embedded Music Production with
Improvisation**

Funding: \$1500.

Role: Mentor

September-
October 2022

Cigna—MTC@ ECU

Proposal No:22-0156 - ECU Music Therapy Clinic

Funding: \$154,536

Role: Co-applicant

September 2021

James J. and Mamie Richardson Perkins Trust Grant submitted in support of creation and implementation of on-campus clinic to serve individuals in Greenville Area Funding: \$152,871 Role: Co-applicant	September 2021
The Mildred Sheffield Wells Charitable Trust Grant submitted in support of creation and implementation of on-campus clinic to serve individuals in Greenville Area Funding: \$152,871 Role: Co-applicant	September 2021
West Memorial Fund Grant submitted in support of creation and implementation of on-campus clinic to serve individuals in Greenville Area Funding: \$152,871 Role: Co-applicant	September 2021
NIH SBIR--Proposal No:22-0114 A Speech Recognition in Noise Test for the Evaluation of Functional Hearing: Online Screening and Clinical Evaluation Funding: \$82,249 Role: Co-PI	September 2021
Application for Teaching Support Open Education North Carolina Faculty Adoption Grant Teaching support for use of Open-access textbooks in MUSC 5257 for Fall 2020	April 2020
Joyner Library Alternative Textbook Program for Fall 2020 Support for Open-Access textbooks for Psychology of Music MUSC 5257 and Music for Group Activities MUSC 4277	April 2020
Philanthropy Student Success Grant Research funding for dissertation: \$1000 Unfunded	2/25/19