

Curriculum Vitae

Ann Clock Eddins

Associate Professor

Department of Communication Disorders and Sciences

University of South Florida

University of South Florida
4202 E. Fowler Avenue, PCD 1017
Tampa, FL 33620

Office: 813-974-6936
Fax: 813-974-0822
Email: aeddins@usf.edu

EDUCATION

- 2010 M.B.A.** Health Sciences focus; University of Rochester, Simon Graduate School of Business Administration
- 2007 M.S.** Business Administration: Medical Management; University of Rochester, Simon Graduate School of Business Administration
- 1992-4 PostDoc** Neuroscience, University of Florida
- 1992 Ph.D.** Auditory Neurophysiology, State University of New York at Buffalo
- 1989 M.A.** Audiology, University of California at Santa Barbara
- 1983 B.S.** Communicative Disorders, Northwestern University

CERTIFICATION AND LICENSURE

Certificate of Clinical Competence in Audiology (American Speech-language-hearing Association (1992-present)

ACADEMIC POSITIONS

Associate Professor 2010 – present. Department of Communication Sciences & Disorders, University of South Florida, Tampa, FL

Associate Chair, Clinic Business Development & Operations Manager 2011 – 2017, 2018-present.

Visiting Professor, July-Aug 2016; May-July 2012. Mahidol University, Faculty of Medicine, Department of Communication Disorders, Bangkok, Thailand

Director of Audiology/Sr. Audiologist, 2005 – 2010. Departments of Audiology & Otolaryngology, Univ. of Rochester Medical Center, Strong Memorial Hospital, Rochester, NY.

Associate Professor, 2001 – 2005, **Co-Director of Audiology** 2002-2005, Department of Communicative Disorders & Sciences, University at Buffalo, Amherst, NY

Assistant Professor, 1999 – 2001, Department of Communicative Disorders & Sciences, University at Buffalo, Amherst, NY

Assistant Professor, 1994 – 1999, Department of Speech and Hearing Sciences and Program in Neural Science, Indiana University, Bloomington, IN

NIH Postdoctoral Fellow, 1992-1994, Department of Neuroscience, University of Florida School of Medicine, Gainesville, FL

Research Assistant and Teaching Assistant, 1989 – 1992, Hearing Research Laboratory, Department of Communicative Disorders and Sciences, University at Buffalo, Amherst, NY

Teaching Assistant, 1988 – 1989, Speech and Hearing Sciences Department, University of California at Santa Barbara, Santa Barbara, CA

PROFESSIONAL POSITIONS

President-elect, Council of Academic Programs in Communication Sciences & Disorders, 2018-2019

Vice President for Academic Development, Council of Academic Programs in Communication Sciences & Disorders, 2016-2018

Editor, American Journal of Audiology, 2016-present

ASHA Academic Affairs Board, Liaison to the Council of Academic Programs in Communication Sciences & Disorders, 2016-2018.

OTHER PROFESSIONAL EXPERIENCE

Consultant, 2007 – present
Academic Program Review, Clinical Operations and Financial Management, Strategic Planning

Consultant, 2007-2013, Maximus Federal Services - National Independent Review entity providing external reviews of Medicare managed care denials

Audiologist, 1992 – 1994, Cochlear Corporation Clinical Fellow, Department of Communicative Disorders, University of Florida, Gainesville, FL

Audiologist, 1990, Niagara Rehabilitation Centre, St. Catharines, Ontario, Canada

Audiology Extern, 1988, Veterans Administration Medical Center, Long Beach, California.

Controller, 1986-1987, The Shema Group and Truex Associates, San Francisco, California - Executive recruiting firm.

Manager of Client Services, 1985-1986, The Michael Thomas Corporation, Santa Clara, California - Small business development consulting firm.

Accounting Staff, 1984-1985, Hewlett Packard Company, Personal Computer Division, Sunnyvale, California

Assistant to the Director, 1983-1984, Deaf Self-Help, San Francisco, California - Non-profit job placement service for deaf adults.

Accounting Staff, 1980-1983, Student Publishing Company, Northwestern University, Evanston, Illinois - Publisher of the daily newspaper and yearbook.

ACADEMIC HONORS AND AWARDS

Teaching Excellence Recognition Award - Innovative use of technology in the classroom. Indiana University. 1997.

Amos Nordman Foundation Merit Scholarship. January 1988 - June 1992.

Muskegon County Community Foundation Merit Scholarship. September 1989-June 1991.

Northwestern University School of Speech Dean's Advisory Council. 1982 - 1983.

Delta Zeta Scholarship, Outstanding Audiology Student, Northwestern University. 1982.

GRANTS - CURRENT

NIH/NIA P01-AG09524: Aging Auditory System: Presbycusis & Its Neural Bases (03/15/16-02/28/21) Total Award: \$9 M. PI: Robert D. Frisina, Ph.D., **Role: Co-Investigator**

NIH/NIA R01-AG055426: Aging and Cognitive Health Evaluation in Elders (ACHIEVE) Randomized Trial (07/01/17-06/30/22). MPIs: Frank Lin, M.D., Ph.D., Josef Coresh, Ph.D., **Role: Co-Investigator**.

NSF/ACI 1541407: CC*DNI Networking Infrastructure: Campus Research Network - High Bandwidth Private Network Path for Research Data from Experiment to Analysis and Back Again at USF. (01/01/16 – 12/31/18). Total Award: \$495,645. PI: Timothy Fawcett, Ph.D., **Role: Co-PI**

NIH/NIDCD R44 DC016249: Individualized Signal Processing Strategy to enhance hearing healthcare: Phase II (04/15/16 – 04/14/19) PI: David A. Eddins, Ph.D. **Role: Co-Investigator**

GRANTS – COMPLETED/APPLIED BUT NOT FUNDED

Oticon, Inc. (Industry): Laboratory Comparison of a Premium Hearing Aid and High-end PSAPS (04/01/17 – 01/31/18) PI: David A. Eddins, Ph.D. **Role: Co-Investigator**. Completed.

NIH/NIDCD R01: Individual differences listening in noise in young ‘normal-hearing’ adults (07/01/18 – 06/30/23). PI: Robert Lutfi, Ph.D. **Role: Co-Investigator**. Submitted 2017, not funded.

NIH/NIDCD F32: Evaluating predictions of cochlear synaptopathy for temporal processing using behavioral decision weights. (04/01/18 – 03/31/20). PI: Alison Tan, Ph.D., **Role: Co-Sponsor**. Submitted 2017, not funded.

NIH/NIDCD K99/R00: Pattern Classification of Biological and Environmental Signals to Support the Signal Processing and Decision Making Required for Brain-guided Hearing Instruments. (07/01/17 – 06/30/22). PI: Erol Ozmeral, Ph.D., **Role: Co-Mentor**. Submitted 2017, not funded.

NIH/NIDCD F32: Hearing aid acclimitization in the context of augmented acoustic environments. (04/01/17 – 03/31/20). PI: Peter Hutschison, Au.D., **Role: Co-Sponsor**. Submitted 2016, not funded.

NIH/NIDCD U01: Adaptive Hearing Aid Fitting (AHAF) Trial (04/01/17 – 03/31/22). MPIs: C. Craig Formby, Ph.D., David A. Eddins, Ph.D. **Role: Co-Investigator** Submitted 2016, not funded.

NIH/NIDCD F32 DC013724: Behavioral and Cortical Signatures of Reduced Auditory Spatial Tuning with Age. (12/16/13 – 12/15/16). Total Award: \$148,500. PI: Erol Ozmeral, Ph.D., **Role: Co-Sponsor**. Completed.

NIH/NIA R34-AG046548: Planning a trial of hearing rehabilitative treatment to reduce cognitive decline. (09/1/14-08/31/16). Total Award: \$715,000. PI: Frank Lin, MD., Ph.D., **Role: Co-Investigator**. Completed.

NIH/NIA P01-AG09524: Aging Auditory System: Presbycusis & Its Neural Bases (09/15/10-2/29/16) Total Award: \$4.5 M. PI: Robert D. Frisina, Ph.D., **Role: Co-Investigator.** Completed.

NIH/NIDCD F32: Psychoacoustic, Neural, and Cognitive Bases of Supra-threshold Deficits after TBI. (12/16/15 – 12/15/18). Total Request: \$162,642. PI: Eric Hoover, Ph.D., **Role: Co-Sponsor.** Submitted 2015, not funded.

USF College of Behavioral & Community Sciences, Internal Research Grant: Neural Signatures of Age-related changes in Auditory Spectro-temporal Processing (05/01/2012 – 04/30/2013). Total Award: \$7500. **Role: PI.** Completed.

Starkey Foundation: Effect of Auditory Training on Auditory Processing, Cognition and Quality of Life. (05/2011 – 05/2012). Total Award: \$7600. PI: Jennifer Lister, Ph.D., **Role: Co-PI.** Completed.

USF Veteran's Reintegration Research Awards Program: Listening for Learning: Interactive Game-Based Rehabilitation for Student Veterans with mTBI and Functional Hearing Problems. (2011 submitted, not funded). Co-PIs: Theresa Chisolm, Ph.D., Robert Frisina Jr. Ph.D., **Role: Co-Investigator.** Not funded.

URMC Clinical Center Research Award: Iron status and auditory neural myelination in premature infants. (2008-2010). PI: Sanjiv Amin, MD. **Role: Co-PI.** Completed.

URMC Clinical Center Research Award: Hypothyroxinemia of prematurity and auditory neural myelination. (2008-2010). PI: Sanjiv Amin, **Role: Co-PI.** Completed.

NIH/NIDCD K23: Bilirubin-induced auditory neuropathy in preterms. (2004-2009) PI: Sanjiv Amin, MD. **Role: Co-Mentor.** Completed.

NSF Minority Post-doctoral Fellowship: Neural correlates of complex auditory learning. (2004-2006). Total Award: \$82,000. PI: Itzel Orduña, **Role: Mentor.** Completed.

National Organization for Hearing Research (NOHR): Physiological correlates of auditory nerve myelinopathy and progressive cochlear pathology in carboplatin-treated chinchillas (2004-2005). Total Award: \$15,000. **Role: PI,** Co-PI: Sandra L. McFadden. Completed.

NIH/NIDCD R01: Physiological Effects of Auditory Myelinopathy (2004-2007). Total Request: \$1,399,244. **Role: PI,** Co-PI: Sandra L. McFadden. Submitted 2003, not funded.

NIH/NIDCD Exploratory/Developmental Research R21: Auditory Nerve Demyelination in Auditory Neuropathy (2003-2005). Total Request: \$313,000. **Role: PI,** Co-PI: Sandra L. McFadden. Scored but not funded.

American Academy of Audiology: Effects of Hearing Loss on Temporal Coding in the Cochlear Nucleus (2002-2003). Total Award: \$2,500. **Faculty sponsor** for U-Cheng Leong. Completed.

NSF CAREER Award: Neural Correlates of Auditory Temporal Integration. (1997-2003). Total Award: \$375,490. **Role: PI.** Completed.

William G. McGowan Charitable Fund, Inc. To establish the Clinical Hearing Research Center (CHRC) of Western New York. Total Award: \$100,000. PI: Richard J. Salvi, **Role: Co-PI.** Completed.

James H. Cummings Foundation: The Functional Anatomy of Complex Auditory Perception (1999-2001). Total Award: \$41,400. PI: Alan Lockwood, **Role: Co-PI.** Completed.

Physiological Imaging Research Center, Indiana University School of Medicine: Functional localization of auditory perception for speech and non-speech sounds (1996-98). Total Award: \$17,500. **Role: PI.** Completed.

Undergraduate Research Partnership, Indiana University: Auditory Physiologic Measures of Emotion Recognition (1996). Total Award: \$1,500. **Role: Sponsor** for Kevin Caudill. Completed.

NIH/NIDCD Individual National Research Service Award: Temporal Coding of Sound Location in the Auditory Cortex. (1993-1995). Total Award: \$51,300, Awarded 1993-94: \$22,700. **Role: PI.** Completed.

Mark Diamond Research Grant, University at Buffalo: Neural Mechanisms of Auditory Temporal Integration in the Cochlear Nucleus. (1991-1992). Total Award: \$1,100. **Role: PI.** Completed.

BOOK CHAPTERS

Eddins, A.C. (2010). Hearing Screening. In S. Tanski, L.C. Garfunkel, P.M. Duncan, and M. Weitzman, (Eds.), *Performing Preventive Services, A Bright Futures Handbook* (pp. 129-136). American Academy of Pediatrics.

Salvi, R.J., Eddins, A.C., and Wang, J. (2007). Cochlear Physiology II: Mostly Electrophysiology. In F. Musiek and J. Baran (Eds.), *The Auditory System: Anatomy, Physiology, and Clinical Correlates* (pp. 112-149). Boston: Pearson, Allyn & Bacon.

Salvi, R.J., Ding, D., Eddins, A.C., McFadden, S.L. and Henderson, D. (2000). Age, noise and ototoxic agents. In: P. Hof and C. Mobbs (Eds.), *Functional Neurobiology of Aging* (pp. 549-563). San Diego: Academic Press.

Salvi, R.J., Henderson, D., and Eddins, A.C. (1995). Effects of noise exposure on the auditory system. In L. W. Chang and R. S. Dyer (Eds.), *Handbook of Neurotoxicology* (pp. 907-961). New York: Marcel Dekker, Inc.

Boettcher, F. A., Eddins, A.C. and Salvi, R. J. (1994) Neural mechanisms of sensorineural hearing loss. (pp. 515-531). *Current Topics in Acoustical Research*.

- Henderson, D., Salvi, R.J., Boettcher, F.A., and Clock, A.E. (1994). Neurophysiological correlates of sensorineural hearing loss. In J. Katz (Ed.), *Handbook of Clinical Audiology (Fourth Ed.)* (pp. 37-55). Baltimore: Williams & Wilkins.
- Salvi, R.J., Powers, N.L., Saunders, S.S., Boettcher, F.A., and Clock, A.E. (1992). Enhancement of evoked response amplitude and single unit activity after noise exposure. In A.L. Dancer, D. Henderson, R.J. Salvi, & R.P. Hamernik (Eds.), *Noise-Induced Hearing Loss* (pp. 156-171). St. Louis: Mosby-Year Book, Inc.

PUBLISHED MANUSCRIPTS AND REPORTS

- Eddins, A.C., Ozmeral, E.J., Eddins, D.A. (2018) How aging impacts the encoding of binaural cues and the perception of auditory space. *Hearing Research*, doi.org/10.1016/j.heares.2018.05.001
- Ozmeral, E.J., Eddins, A.C., Eddins, D.A. (2018). How do age and hearing loss impact spectral envelope perception? *Journal of Speech, Language, and Hearing Research*. doi:10.1044/2018_JSLHR-H-18-0056
- Hoover, E.C., Eddins, A.C., Eddins, D.A. (2018). Distribution of spectral modulation transfer functions in a young, normal-hearing population. *Journal of the Acoustical Society of America*, 143(1):306. doi: 10.1121/1.5020787: PMID: 29390785
- Eddins, A.C., Eddins DA. (2018) Cortical Correlates of Binaural Temporal Processing Deficits in Older Adults. *Ear & Hearing*, 39(3):594-604. doi: 10.1097/AUD.0000000000000518. Epub 2017 Nov 9: PMID: 29135686.
- Deal, J.A., Albert, M.S., Arnold, M., Bangidwala, S., Chisolm, T., Davis, S., Eddins, A., Glynn, N.W., Minotti, M., Mosely, T., Rebok, G., Reed, N., Rodgers, E., Sanchez, V., Sharrett, A. R., Coresh, J., Lin, F. R. (2017). A randomized pilot trial of hearing treatment for reducing cognitive decline: Results from the Aging, Cognition, and Hearing Evaluation in Elders Pilot (ACHIEVE-P) Study. *Alzheimers Dement (N Y)*. 2017 Jun 21;3(3):410-415. doi: 10.1016/j.trci.2017.06.003. eCollection 2017 Sep. PubMed PMID: 29067347; PubMed Central PMCID: PMC5651440.
- Ozmeral, E.J., Eddins, D.A., Eddins, A.C. (2016). Reduced temporal processing in older normal-hearing listeners evident from electrophysiological responses to shifts in interaural time difference. *Journal of Neurophysiology*, 116(6):2720-2729. doi:10.1152/jn.00560.2016. Epub 2016 Sep 28, PMID: 27683889
- Ozmeral, E.J., Eddins, A.C., Frisina Sr., D.R., Eddins, D.A. (2016). Large cross-sectional study of presbycusis reveals rapid progressive decline in auditory temporal acuity. *Neurobiology of Aging*, 43:72-78. doi: 10.1016/j.neurobiolaging.2015.12.024. Epub 2016 Apr 4: PMID: 27255816.
- Eddins, A.C. (2014). Electrophysiological markers of aging in the auditory system. *Perspectives in Hearing & Hearing Disorders: Research Diagnostics.*, 18(2):44-52. doi:10.1044/hhd18.2.44.
- Douglas, N. F., Hinckley, J. J., Haley, W.E., Andel, R., Chisolm, T. H., Eddins, A. C. (2014). Perceptions of Speech-Language Pathologists Linked to Evidence-Based Practice Use in Skilled Nursing Facilities. *American Journal of Speech-Language Pathology*, 23(4):612-24. doi:10.1044/2014_AJSLP-13-0139. PMID:24989317.

- Eddins, A.C. Wilson, M.W., Dhar, S., Friedland, E., Henning, R. Larson, M. Burk, M. Cokely, C. Ramachandran, V., Burdak, S., Zaragoza, M., Fox, A. (2013). Assessing audiology core competencies prior to the externship year. *Audiology Today*, 25(2):89-90.
- Orduna, I., Liu, E. H., Church, B. A., Eddins, A. C., & Mercado, E., 3rd. (2012). Evoked-potential changes following discrimination learning involving complex sounds. *Clinical Neurophysiology*, 123(4), 711-719. doi: S1388-2457(11)00614-6 [pii] 10.1016/j.clinph.2011.08.019: PMID: 21958655, PMCID:PMC3277806.
- Amin, S.B., Orlando, M., Eddins, A., MacDonald, M., Monczynski, C., Wang, H. (2010). In utero Iron Status and Auditory Neural Maturation in Premature Infants as Evaluated by Auditory Brainstem Response, *Journal of Pediatrics*, 156(3):377-81. doi: 10.1016/j.jpeds.2009.09.049. Epub 2009 Nov 25: PMID: 19939407, PMCID:PMC2827634.
- El-Badry, M., Ding, D., McFadden, S.L., and Eddins, A.C. (2007) Physiological effects auditory nerve myelinopathy in Chinchillas. *European Journal of Neuroscience*, 25(5): 1437-1446. PMID: 17425569.
- Eddins, A.C. and Peterson, J.R. (1999). Time-intensity trading in the N1-P2 evoked potential. *Journal of Speech, Language and Hearing Research*, 42(3):516-525. PMID: 10391619
- Eddins, A.C., Zuskov, M., and Salvi, R.J. (1999). Changes in distortion-product otoacoustic emissions during prolonged noise exposure. *Hearing Research*, 127:119-128. PMID: 9925023.
- Clock Eddins, A., Salvi, R.J., Wang, J., and Powers. N.L. (1998). Threshold-duration functions of chinchilla auditory nerve fibers. *Hearing Research*, 119:135-141. doi.org/10.1016/S0378-5955(98)00035-5: PMID: 9641326.
- Eddins, A.C., Salvi, R.J., Wang, J., and Powers. N.L. (1998). Threshold-duration functions of chinchilla auditory nerve fibers [Letter to the editor]. *Hearing Research*, 124:190. PMID: 9822916.
- Middlebrooks, J.C., Xu, L., Eddins, A.C., and Green, D.M. (1998). Codes for sound-source location in nontopographic auditory cortex. *Journal of Neurophysiology*, 80:863-881. PMID: 9705474.
- Eddins, A.C. (1998). Spectro-temporal influence on auditory cortical evoked-potential thresholds. *Proceedings of the 16th International Congress on Acoustics*, Vol II, 879-880.
- Middlebrooks, J.C., Xu, L., Eddins, A.C., and Green, D.M. (1995). Decoding spike patterns in the auditory cortex. In M. Burrows, T., Matheson, P.L. Newland, and H. Schuppe (Eds.), *Nervous Systems and Behavior, Proceedings of the 4th International Congress on Neuroethology*. Cambridge, England: Thieme Medical Publishers, pp 108.
- Middlebrooks, J.C., Clock, A.E., Xu, L., and Green, D.M. (1994). A panoramic code for sound location by cortical neurons. *Science*, 264:842-844. PMID: 8171339.
- Clock, A.E., Salvi, R.J., Saunders S.S., and Powers. N.L. (1993). Neural correlates of temporal integration in the cochlear nucleus of the chinchilla. *Hearing Research*, 71:37-50. PMID: 8113144.

PUBLISHED ABSTRACTS

- Eddins, A.C., Nielsen, D.W. (2018). Constructive Responses to Pressures to Grow Your Audiology University Clinic. Council of Academic Programs in Communication Sciences & Disorders (CAPCSD), Austin, TX.

- Higdon, C., Eddins, A.C. (2018). How to Infuse IPP/IPE Into Your Clinical and Academic Curriculum. Council of Academic Programs in Communication Sciences & Disorders (CAPCSD), Austin, TX.
- Hall, J.W., Hunter, L., Eddins, A., DiSarno, N., Balachandran, R., Whitelaw, G., Siburt, H., Nelson, N., Swanson, T., Zapala, D., DeBacker, J.R., Sawher, H. (2018). Third Annual Clinical Education Forum: Readyng Students for Clinical Practice. Amercian Academy of Audiology, Nashville, TN.
- Pichaitanaporn, J., Hajicek, J.J, Henin, S., Long, G.R., Lee, J., Eddins, A.C. (2018). Comparison and validation of a new swept-tone DPOAE system to two commercial systems. Amercian Academy of Audiology, Nashville, TN.
- Hajicek, J.J, Henin, S., Pichaitanaporn, J., Long, G.R., Lee, J., Eddins, A.C. (2018). Validation of Frequency-Swept-Tone DPOAE with current Clinical DPOAE Systems. American Auditory Society, Scottsdale, AZ.
- Eddins, D.A., Hoover, E., Eddins, A.C. (2017). Distribution of spectral modulation transfer functions in a young, normal-hearing population. *J Acoust. Soc. Am.* 142(4):2676.
- Eddins, A.C., Ozmeral, E.J., Eddins, D.A. (2017). Characterizing declines in spatial hearing with age using behavioral and neurophysiological measures. Aging & Speech Communication conference, Tampa, FL.
- Brotherton, H., Eddins, A.C., Eddins, D.A. (2017). Methods for determining the influence of age on central auditory plasticity and the putative relationship to homeostatic plasticity. Aging & Speech Communication: An International and Interdisciplinary Conference, Tampa, FL
- Eddins, A.C., Sanchez, V.A. (2017). Emerging Interventions for Age-Related Hearing Loss. ASHA Audiology 2017: Cutting-Edge Perspectives in Service Delivery for Older Adults. Online conference, October, 2017.
- Ozmeral, E.J., Berg, M., Eddins, D.E., Eddins, A.C. (2017). Age-related cortical changes in spatial auditory attention. *J Acoust. Soc. Am.* 141(5):3974
- Higdon, C., Eddins, A.C. (2017). Moving Beyond IPP and IPE 101. Council of Academic Programs in Communication Sciences & Disorders (CAPCSD), New Orleans, LA.
- Ozmeral, E.J., Berg, M., Eddins, D.A., Eddins, A.C. (2017). Aging alters attentional modulation of spatial processing in auditory cortex. American Auditory Society, Scottsdale, AZ.
- Ozmeral, E.J., Eddins, D.A., Eddins, A.C. (2016). Human electrophysiology of endogenous auditory spatial attention. *J. Acoust. Soc. Am.*, 140(4), 3155.
- Eddins, A.C. (2016). Relating perceptual deficits in older adults to dynamic changes in cortical processing. 33rd World Congress of Audiology, Vancouver, British Columbia.
- Eddins, A.C. (2016). Beyond the audiogram: Characterizing clinical attributes of the genetics of age-related hearing loss. 33rd World Congress of Audiology, Vancouver, British Columbia.
- Matthews, C., Lin, F., Sanchez, V., Arnold, M., Eddins, A., Reed, N., Chisolm, T. (2016). A Manualized Audiology Intervention for the ACHIEVE Trial(Can Hearing Intervention Slow Cognitive Decline?). American Auditory Society, Scottsdale, AZ.
- Eddins, A.C., Eddins, D.A. (2015). Cortical dynamics during spectrotemporal processing as indexed by directed functional connectivity. *J Acoust. Soc. Am.* 138(3):1833-1833. <http://dx.doi.org/10.1121/1.4933828>

- Ozmeral, E.O., Eddins, D.A., Eddins, A.C. (2015). Age-related differences in auditory cortical representation of spatial cues. *J Acoust. Soc. Am.* 138(3):1832-1832.
<http://dx.doi.org/10.1121/1.4933827>
- Eddins, A.C., Eddins, D.A. (2015). Physiological mechanisms associated with binaural processing deficits in older adults. Canadian Academy of Audiology, Niagara Falls, Ontario, Canada.
- Eddins, D.A., Eddins, A.C. (2015). Auditory dysfunction and remediation associated with everyday listening of older adults. Canadian Academy of Audiology, Niagara Falls, Ontario, Canada.
- Eddins, D.A., Eddins, A.C. (2015). Emerging therapeutics targeting deficits of Presbycusis. Aging and Speech Communication: 6th Interdisciplinary International Research Conference, Indiana University, Bloomington, IN
- Lin, F., Albert, M., Alonso, A., Chisolm, T., Coker, L., Crowley, P., Deal, J., Eddins, A., Minotti, M., Mosley, T., Rebok, G., Sharrett, R., Wruck, L., Coresh, J. (2015). Development of the ACHIEVE Healthy Aging Study – A Randomized Controlled Trial to Determine if Hearing Loss Treatment Can Reduce the Risk of Cognitive Decline and Dementia in Older Adults. *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, Vol. 11, Issue 7, P756–P757. Alzheimer's Association International Conference, Washington, DC, July, 2015.
- Ozmeral, E., Eddins, D.A., Eddins, A.C. (2015). Are Age-related Changes in ITD Coding Due to Changes in the Binaural Opponent-channel Mechanism Associated with Down-regulation of Neural Inhibition? *Assoc for Res in Otolaryngol*, Abstr, 163:161.
- Eddins, A.C., Ozmeral, E., Eddins, D.A. (2014). Age-related declines in hemispheric asymmetry as revealed in the binaural interaction component, *J. Acoust. Soc. Am.* 136: 2291;
<http://dx.doi.org/10.1121/1.4900285>
- Eddins, D. A., Ozmeral, E. Eddins, A.C. (2014). Aging as a window into central auditory dysfunction: Combining behavioral and electrophysiological approaches. *J. Acoust. Soc. Am.* 136: 2291. <http://dx.doi.org/10.1121/1.4900284>.
- Eddins, A.C, Eddins, D.A. (2014). Presbycusis: Emerging solutions to old problems. American Speech Language Hearing Association, Abstr 1680:140.
- Mohan, A., Eddins, D.A., Eddins, A.C. (2014). Cortical processing of spectral, temporal, and spectro-temporal modulation. American Academy of Audiology, Abstr PP607:157.
- Swanson, T., Henning, R., Eddins, A.C. (2014). Partners for Excellence in the AuD Externship Process: Stengthening the University/Externship Site Relationship. American Academy of Audiology, Abst LM105.
- Cokely, C., Eddins, A.C. (2014). Monitoring Outcomes for Effective Student and Program Management. Council of Academic Programs in Communication Sciences & Disorders (CAPCSD), Abstr.
- Fluegel, B., Lister, J., Clifton, K., O'Brien, J., Eddins, A., Harrison, A., Edwards, J. (2014). Effects of Auditory-Cognitive Training on ERPs in Older Adults. Cognitive Aging Conference, Abstr.
- Eddins, A.C., Eddins, D.A. (2013). Age-related changes in neural processing of binaural temporal cues in normal and hearing-impaired adults. Aging and Speech Communication: 5th Interdisciplinary International Research Conference, Indiana University, Bloomington, IN. Abstr, 5.

- Romershausen, B., Eddins, A.C., Eddins, D.A. (2013). Neural Correlates of Temporal Cues in the BMLD in Older Adults. Florida Academy of Audiology.
- Eddins, A.C., Romershausen, B., Eddins, D.A. (2013). Cortical evoked potential measures as biomarkers of binaural temporal processing in older adults. Assoc for Res in Otolaryngol, Abstr, 1394.
- Clifton, G.K., Lister, J., Eddins, A., Edwards, J., O'Brien, J. (2013) The effect of Brain Fitness™ auditory training On P3b amplitude and latency In older adults. Seventh International Adult Aural Rehabilitation Conference.
- Eddins, A.C., Kline, M., Eddins, D.A. (2012). Behavioral and electrophysiological measures of stimulus envelope and fine structure contributions to the binaural masking level difference. J. Acoust. Soc. Am. 131: 3517 ; <http://dx.doi.org/10.1121/1.4709307>
- Eddins, D.A., Eddins, A.C., Frisina, D.R. (2011). Age-related changes in the binaural temporal window. J. Acoust. Soc. Am.,129(4): 2488.
- Leong, U.C. and Eddins, A.C. (2006). Responses to dichotic broadband noise stimulation in chinchilla ventral cochlear nucleus. Assoc for Res in Otolaryngol, Abstr, 1281.
- El-Badry, M., Eddins, A.C., McFadden, S.L. (2004). Onset and progression of physiological changes following auditory nerve afferent and inner hair cell lesions in carboplatin treated chinchillas. Assoc for Res in Otolaryngol, Abstr 974:330.
- El-Badry, M., Ding, D., Eddins, A.C., and McFadden, S.L. (2004). Morphological abnormalities 12h after carboplatin are not reflected in various physiological measures. Association for Research in Otolaryngology, Abstr 975:330.
- Leong, U.C., and Eddins, A.C. (2004). Duration coding in chinchillas with cochlear damage. American Academy of Audiology, Abstr PP612.
- El-Badry, M., Ding, D., Zheng, X.Y., and Eddins, A.C. (2003). Anatomical and electrophysiological changes after auditory nerve demyelination in chinchillas. Assoc for Res in Otolaryngol 983:249.
- Leong, U.C., and Eddins, A.C. (2003). Multi-unit temporal pattern analysis of duration coding in the cochlear nucleus. Assoc for Res in Otolaryngol 957:242.
- Eddins, A.C., and Eddins, D.A. (2002). Psychophysical and physiological measures of spectro-temporal processing. American Speech-Language-Hearing Association, 1214:233.
- Eddins, A.C. and Eddins, D.A. (2002). Physiological measures of auditory temporal integration in chinchillas and humans. J. Acoust. Soc. Am. 112:2286.
- Eddins, D.A., and Eddins, A.C. (2002). Psychophysical and physiological measures of spectro-temporal processing in humans. J. Acoust. Soc. Am. 112:2286.
- Liu, J. and Eddins, A.C. (2002). Effects of signal duration and temporal position on physiological measures of the growth of masking. J. Acoust. Soc. Am. 111:2471.
- El-Badry, M., Ding, D., Eddins, A.C. (2002). Demyelination of The Auditory Nerve Using Intraneural Injection of Doxorubicin (Adriamycin): Preliminary data. Assoc for Res in Otolaryngol, Abstr 924:243.
- Eddins, A.C., Eddins, D.A., Coad, M.L., Lockwood, A.H., Watson, C.S. (2001). Cognitive and sensory influence on the perception of complex auditory signals. J. Acoust. Soc. Am. 109:2309-10.
- Eddins, A.C. and Leong, U.C. (2001). Temporal pattern analysis of duration coding in the cochlear nucleus. Assoc for Res in Otolaryngol, Abstr 202:58.

- El-badry, M., Rosenberg, J., and Eddins, A.C. (2001). Effect of outer hair cell loss on temporal integration in the chinchilla inferior colliculus. *Assoc for Res in Otolaryngol*, Abstr 679:192.
- Eddins, A.C. and El-Badry, M. (2000). Effects of cochlear pathology on central auditory temporal processing. American Speech-Language-Hearing Association.
- Hashino, E., Shero, M., Eddins, A.C., Milbrandt, J., and Johnson, E.M., Jr. (2000). GDNF and NRTN are target-derived trophic factors essential for ciliary ganglion neuron development. Society for Neuroscience Abstracts.
- El-badry, M., Burkard, R., and Eddins, A.C. (2000). Effect of IHC loss on temporal integration in the chinchilla inferior colliculus. *Assoc for Res in Otolaryngol*, Abstr 893:257.
- Eddins, A.C. (1999). Cortical processing of speech and other complex sounds in humans. *Assoc for Res in Otolaryngol*, Abstr 688:173-174.
- Liu, C., and Eddins, A.C. (1999). Physiological and behavioral estimates of short-term temporal integration in normal-hearing humans. *Assoc for Res in Otolaryngol*, Abstr 172:44.
- Eddins, A. C. (1998). Spectro-temporal influence on auditory cortical evoked-potential thresholds. *J. Acoust. Soc. Am.* 103:2847.
- Sarantinos, G., Vardaxis, V., and Eddins, A.C. (1998). EMG adaptations to learning and retention of a novel multi-joint movement task. Society for Neuroscience Abstracts.
- Eddins, A.C., Stout, J.C., Eddins, D.A., and Watson, C.S. (1997). Auditory discrimination: A comparison of behavioral estimates and cortical activation measured by positron emission tomography. Society for Neuroscience Abstracts, 23:1033.
- Harty, M. W., Sengelaub, D.R., and Eddins, A.C. (1997). Testosterone alters recruitment in an androgen-sensitive neuromuscular system. Society for Neuroscience Abstracts, 23:1041.
- Eddins, A.C., Zuskov, M., and Salvi, R.J. (1997). Changes in distortion-product otoacoustic emissions with increasing levels of asymptotic threshold shift. *Assoc for Res in Otolaryngol*, Abstr 776:194.
- Eddins, D.A. and Eddins, A.C. (1996). Electrophysiological and behavioral measurements of spectro-temporal processing: comodulation masking release. *J. Acoust. Soc. Am.* 100:2629.
- Redner, J. and Eddins, A.C. (1996). Physiological correlates of the time-intensity trade in auditory late responses. *J. Acoust. Soc. Am.* 99:2564.
- Eddins, A.C., Salvi, R.J., Wang, J., and Powers, N.L. (1996). The contribution of auditory nerve fibers to the time-intensity trade. *Assoc for Res in Otolaryngol*, Abstr 302:76.
- Middlebrooks, J.C., Eddins, A.C., Xu, L., and Green, D.M. (1995). Cortical codes for sound location. *J. Acoust. Soc. Am.* 97:3398.
- Clock, A.E., Xu, L., Green, D.M., and Middlebrooks, J.C. (1994). Neural network analysis of auditory spatial representation: I. Temporal firing patterns of cortical neurons independent of stimulus duration. *Assoc for Res in Otolaryngol*, Abstr 94:24.
- Xu, L., Clock, A.E., Green, D.M., and Middlebrooks, J.C. (1994). Neural network analysis of auditory spatial representation: II. Spatial interpolation and level invariance. *Assoc for Res in Otolaryngol*, 95:24.
- Middlebrooks, J.C., Clock, A.E., and Green, D.M. (1993). Sound location represented in the firing patterns of auditory cortical neurons. Society for Neuroscience Abstracts, 19:1688.
- Clock, A.E., Salvi, R.J., and Saunders, S.S. (1992). Correlates of temporal integration in the cochlear nucleus of the chinchilla. *Assoc for Res in Otolaryngol*, Abstr 180:60.

INVITED PRESENTATIONS

- Eddins, A.C. (2018, Aug). Age-related cortical changes in spatial auditory attention. Twentieth annual meeting of Faculty in Perceptual Sciences. Northwestern University, Evanston, IL.
- Eddins, A.C. (2018, Jan). Effects of aging on cortical processing of auditory binaural and spatial cues. 12th Annual Meeting of the Auditory Cognitive Neuroscience Society
- Eddins, A.C., Ozmeral, E.J., Eddins, D.E. (2017, Nov). Characterizing declines in spatial hearing with age using behavioral and neurophysiological measures. Aging & Speech Communication conference, 7th Interdisciplinary International Research Conference, Tampa, FL.
- Eddins, A.C., Sanchez, V.A. (2017, Oct). Emerging Interventions for Age-Related Hearing Loss. ASHA Audiology 2017: Cutting-Edge Perspectives in Service Delivery for Older Adults. ASHA Online conference.
- Eddins, A.C. (2017, Aug). Age-related cortical changes in spatial auditory attention. Nineteenth annual meeting of Faculty in Perceptual Sciences. Northwestern University, Evanston, IL.
- Eddins, A.C. (2016, Sep). Relating perceptual deficits in older adults to dynamic changes in cortical processing. 33rd World Congress of Audiology, Vancouver, BC.
- Eddins, A.C. (2016, Sep). Beyond the audiogram: Characterizing clinical attributes of the genetics of age-related hearing loss. 33rd World Congress of Audiology, Vancouver, BC.
- Eddins, A.C. (2016, Aug). Indexing tinnitus treatment effects with behavioral and cortical oscillation measures. Eighteenth annual meeting of Faculty in Perceptual Sciences. Northwestern University, Evanston, IL.
- Eddins, A.C. (2015, Dec). Dynamics of the aging ear and brain – USF College of Behavioral and Community Sciences Pecha Kucha. Tampa, FL.
- Eddins, A.C., Eddins, D.A. (2015, Oct). Physiological mechanisms associated with binaural processing deficits in older adults. Canadian Academy of Audiology, Niagara Falls, Ontario, Canada.
- Eddins, D.A., Eddins, A.C. (2015, Oct). Auditory dysfunction and remediation associated with everyday listening of older adults. Canadian Academy of Audiology, Niagara Falls, Ontario, Canada.
- Eddins, D.A., Eddins, A.C. (2015, Oct). Emerging therapeutics targeting deficits of Presbycusis. Aging and Speech Communication: 6th Interdisciplinary International Research Conference, Indiana University, Bloomington, IN
- Eddins, A.C. (2015, Jul). Cortical Dynamics during Spectrotemporal Processing. Seventeenth annual meeting of Faculty in Perceptual Sciences. Northwestern University, Evanston, IL.
- Eddins, A.C., Eddins, D.A. (2014, Nov). Presbycusis: Emerging solutions to old problems. American Speech Language Hearing Association, Orlando, FL.
- Eddins, A.C., Ozmeral, E., Eddins, D.A. (2014, Oct). Age-related declines in hemispheric asymmetry as revealed in the binaural interaction component, Acoustical Society of America, Indianapolis, IN.
- Eddins, A.C. (2014, Aug). Cortical distribution of Spectral, Temporal and Spectro-temporal Processing. Sixteenth annual meeting of Faculty in Perceptual Sciences. Northwestern University, Evanston, IL.

- Cokely, C., Eddins, A.C. (April, 2014). Monitoring Outcomes for Effective Student and Program Management. Council of Academic Programs in Communication Sciences & Disorders (CAPCSD), Orlando, FL.
- Eddins, A.C., Eddins, D.A. (2013, Oct.). Age-related changes in neural processing of binaural temporal cues in normal and hearing-impaired adults. Aging and Speech Communication: 5th Interdisciplinary International Research Conference, Indiana University, Bloomington, IN.
- Eddins, A.C. (2013, Aug). Neural markers of age-related changes in binaural temporal processing. Fifteenth annual meeting of Faculty in Perceptual Sciences. Northwestern University, Evanston, IL.
- Eddins, A.C., Romershausen, B., Eddins, D.A. (2013, Feb). Cortical evoked potential measures as biomarkers of binaural temporal processing in older adults. Assoc for Res in Otolaryngol.
- Eddins, A.C. (2013, Jan). Audiology Education in Thailand, University of South Florida, Audiology Grand Rounds, Tampa, FL.
- Eddins, A.C., Eddins, D.A. (2012, Nov). You're aging ear: What you need to know about hearing and hearing loss. USF Health in The Villages, The Villages, FL.
- Eddins, A.C. (2012, Aug). Physiological correlates of binaural cues in the MLD. Fourteenth annual meeting of Faculty in Perceptual Sciences. Northwestern University, Evanston, IL.
- Frisina, R.D., Walton, J.W., Eddins, D.A., Eddins, A.C. (2011, Oct). Aging and the Central Auditory System: A Workshop. Aging and Speech Communication Conference, Indiana University, Bloomington, IN.
- Eddins, A.C. (2011, Aug). Changes in the binaural temporal window with age. Thirteenth annual meeting of Faculty in Perceptual Sciences. Northwestern University, Evanston, IL.
- Eddins, A.C. (2011, Mar). Physiological dynamics of temporal and spectral processing in normal hearing. CSD Doctoral Seminar, University of South Florida, Tampa, FL.
- Eddins, A.C. (2009, April). Navigating the Maze of Solutions for Better Hearing. Always Better Seminar Series, University of Rochester and the Highlands at Pittsford, Rochester, NY.
- Eddins, A.C. (2009, July). Assessment and Management of Tinnitus. Twelfth Annual Meeting of Faculty in Perceptual Science, Northwestern University, Evanston, IL.
- Eddins, A.C. (2008, Nov). Biomedical and Health Science Careers in Hearing. ASL 250, University of Rochester, Rochester, NY
- Eddins, A.C. (2008, Nov). Solutions to Better Hearing. Cloverwood Adult Living Center, Pittsford, NY.
- Eddins, A.C. (2008, July). Audiology Clinical Practice at the University of Rochester Medical Center. Eleventh Annual Meeting of Faculty in Perceptual Science, Northwestern University, Evanston, IL.
- Eddins, A.C. (2006, Oct). How we hear what we hear: Correlations between physiology and perception. Alaska Speech and Hearing Association Annual Meeting.
- Eddins, A.C. (2006, Oct). Recent Advances in Auditory Physiological Research. Alaska Speech and Hearing Association Annual Meeting.
- Eddins, A.C. (2006, July). Evidence for Binaural Coding in the Ventral Cochlear Nucleus. Ninth Annual Meeting of Junior Faculty in Perceptual Science, Northwestern University, Evanston, IL.

- Eddins, A.C. (2005, Sept). How we hearing what we hear and Where things can go wrong. Always Better Seminar Series, University of Rochester, Rochester, NY.
- Eddins, A.C. (2005, May). Ototoxicity: What Audiologists Should Know. Buffalo Hearing and Speech Center, Buffalo, NY.
- Eddins, A.C. (2004, July). Electrophysiological Measures of Spectral Modulation in Humans. Eighth Annual Meeting of Junior Faculty in Perceptual Science, Northwestern University, Evanston, IL.
- Eddins, A.C. (2003, Nov). How myelin damage can lead to hearing loss. Neuroscience Seminar, Department of Neuroscience, Oberlin College, Oberlin, OH.
- Eddins, A.C. (2003, Oct). Physiological consequences of auditory nerve myelinopathy. Seminar for the Department of Otolaryngology, University of North Carolina Medical School, Chapel Hill, NC.
- Eddins, A.C. (2003, July). Mechanisms for duration coding in the chinchilla cochlear nucleus. Seventh Annual Meeting of Junior Faculty in Perceptual Science, Northwestern University, Evanston, IL.
- Eddins, A.C. (2002, Aug). Anatomical and physiological effects of selective auditory nerve demyelination. Sixth Annual Meeting of Junior Faculty in Perceptual Science, Northwestern University, Evanston, IL.
- Eddins, A.C. (2001, Nov). The functional anatomy of complex auditory perception. The Positron Emission Tomography Center Tenth Anniversary Symposium. VA Western New York Healthcare System and the University at Buffalo, Buffalo, NY.
- Eddins, A.C. (2001, July). Functional influence on the perception of complex auditory signals. Fifth Annual Meeting of Junior Faculty in Perceptual Science, Northwestern University, Evanston, IL.
- Eddins, A.C. (2001, June). Cognitive and sensory influence on the perception of complex auditory signals. Acoustical Society of America special session on "Understanding the Dynamics of Auditory Perception through Neuroimaging."
- Eddins, A.C. (2000, Dec). Understanding the relation between sensory encoding and auditory perception. On the Frontiers of Science: Leading Young Investigators and the National Science Foundation. An Event in Honor of the Foundation's Fiftieth Anniversary. Columbia University, New York, NY.
- Eddins, A.C. (2000, July). Neural coding of auditory temporal information. Fourth Annual Meeting of Junior Faculty in Perceptual Science, Northwestern University, Evanston, IL.
- Eddins, A.C. (2000, June). Physiological bases of temporal integration in the central auditory system. University of Rochester, Dept. of Otolaryngology, Rochester, NY.
- Eddins, A.C. (1999, Sept). Overview of auditory evoked potentials. Buffalo OAE/ABR Hands-On Workshop, Buffalo, NY.
- Eddins, A.C. (1999, July). Understanding the mechanisms of acquired hearing loss. Third Annual Meeting of Junior Faculty in Perceptual Science, Northwestern University, Evanston, IL.
- Eddins, A.C. (1999, Feb). Cortical processing of speech and other complex sounds in humans. Invited paper for the Symposium on Integrative Neuroscience, 22nd Midwinter meeting of the Association for Research in Otolaryngology, St. Petersburg, FL.

- Eddins, A.C. (1998, Aug). Physiological estimates of temporal integration using auditory evoked potentials. Second Annual Meeting of Junior Faculty in Perceptual Science, Purdue University, West Lafayette, IN.
- Eddins, A.C. and Eddins, D. (1998, July). Behavioral and physiological estimates of temporal processing. Hearing Research Lab, University at Buffalo, Buffalo, NY.
- Eddins, A.C. (1998, March). It's about time: Physiological correlates of auditory temporal integration. Department of Audiology and Speech, Purdue University, West Lafayette, IN.
- Eddins, A.C. (1997, October). Cortical activation during complex auditory discrimination tasks as measured by PET imaging. Department of Speech and Hearing Sciences Colloquium, Indiana University, Bloomington, IN.
- Eddins, A.C. (1997, July). Auditory discrimination: The relation between perception and cortical activation. First Annual Meeting of Junior Faculty in Perceptual Science, Indiana University, Bloomington, IN.
- Eddins, A.C. (1996, May). Auditory temporal integration by single neurons. Hearing and Chemical Senses Seminars, Kresge Hearing Research Institute, University of Michigan, Ann Arbor, MI.
- Eddins, A.C. (1994, September). Temporal integration in the cochlear nucleus. Neural Science Colloquium, Indiana University, Bloomington, IN.
- Clock, Ann E. (1993, December). An introduction to cochlear implants. Human Communication Dynamics, University of Florida, Gainesville, FL.
- Clock, Ann E. (1993, May). Current issues in cochlear implants. Speech-Language-Audiology Association of Alachua County, Gainesville, FL.

BOOK REVIEWS

- Eddins, A.C. (2008). Review of "Pharmacology and Ototoxicity for Audiologists," by Kathleen Campbell, published by Thomson, Delmar Learning. International Journal of Audiology, Eddins, A.C. (1998). Review of "Neuroscience for the Study of Communicative Disorders," by Bhatnagar and Andy, published by Williams & Wilkins.
- Eddins, A.C. (1995) Review of "The Mammalian Auditory Pathway: Neurophysiology," edited by A. N. Popper and R. R. Fay. Ear & Hearing, 16(2):544.
- Clock, A.E. (1993). Review of "Cochlear Implants: A Practical Guide," edited by Huw Cooper. Volta Review, 95(3):305.

THESES

- Clock, A.E. (1992). Neural mechanisms of auditory temporal integration in the cochlear nucleus. Doctoral dissertation, State University of New York at Buffalo, Buffalo, New York.
- Clock, A.E. (1989). Variance of ear canal resonance in adults. Unpublished master's thesis, University of California at Santa Barbara, Santa Barbara, California.

COURSES TAUGHT

University of South Florida

- SPA 7332 Advanced Electrophysiology, 2012-present
- SPA 3310 Introduction to the Disorders of Hearing, 2012-present
- SPA 6311 Medical Audiology, 2011-present
- SPA 6392 Professional Audiology, 2011

Mahidol University, Bangkok, Thailand

RACD 523 Evoked Potentials, 2012, 2016

SUNY University at Buffalo

CDS 290 Audiology: Diagnosis & Management, 2001

CDS 383 Anatomy and Physiology of Audition, 2000-04

CDS 484/529 Aural Rehabilitation, 1999

CDS 530 Audiology Grand Rounds, 2003

CDS 552 Diagnostic Audiology II, 2003-2005

CDS 610 Vestibular Testing, 2002-2005

CDS 611 Medical Audiology, 1999-2001

CDS 616 Auditory Evoked Potentials, 2002-2005

CDS 644 Experimental Audiology, 2002

CDS 600 Independent Study, 1999-2002

Indiana University

S115: Undergraduate Honors Seminar in Audiology, 1998

S275: Human Hearing and Communication, 1997-98

S371/S571: Auditory Anatomy and Physiology, 1994 – 97

S475: Advanced Audiological Testing, 1995 – 99

S572: Clinical Electrophysiology, 1995 – 99

S577: Industrial Audiology, 1996

S674: Advanced Seminar in Auditory Physiology, 1995, 98

N501: Neural Science II: Auditory System, 1995 – 98

N613: Neural Mechanisms of Hearing, 1997

RESEARCH SUPERVISION

Post-doctoral Fellows

Anusha Yellemsetty, Ph.D., University of South Florida, 2018 - present

Paul Reinhart, Ph.D., University of South Florida, 2017-2018

Hannah Brotherton Maeda, Ph.D., University of South Florida, 2016 – 2018

Eric Hoover, Ph.D., University of South Florida, 2015 – 2018

Erol Ozmeral, Ph.D., University of South Florida, 2013 – 2017. Funded by a NIH F32, “Behavioral and Cortical Signatures of Reduced Auditory Spatial Tuning with Age,” 2013-2016.

Itzel Orduña, Ph.D., Funded by a NSF Post-doctoral fellowship, “Neural correlates of complex auditory learning,” 2004-2006.

Ph.D. Chair

Jingreed Pichaitanaporn, Ph.D. student, University of South Florida, 2017-present

Sittiprappa Isarangura, Ph.D. student, University of South Florida, 2016 – present

U-Cheng Leong, Ph.D., University at Buffalo, 2001-2006

Mohamed El-Badry, Ph.D., University at Buffalo, 1998-2002

Chang Liu, Ph.D. student, Indiana University, 1997-99

Shawn Goodman, Ph.D. student, Indiana University, 1998-99

Ph.D. Committee Member

Peter Hutchison, CSD, University of South Florida, 2015-present

Andrea Lowe, Biomedical Engineering, University of South Florida, 2018

Kate Wadlinger, CSD, University of South Florida, 2017-2018
Karen Bell, CSD, University of South Florida, 2015-2018
Tanika Williamson, PhD., Biomedical Engineering, University of South Florida, 2016
Jeanine Mansour, Biomedical Engineering, University of South Florida, 2014-2015
Carol Peronto, Aging Studies, University of South Florida, 2012-2013
Natalie Douglas, Ph.D., CSD, University of South Florida, 2013
Kathleen Szalda, Ph.D., CDS, University at Buffalo, 2007
Edward Lobarinas, Ph.D., CDS, University Buffalo, 2006
Jinyu Qian, Ph.D., CDS, University at Buffalo, 2005
Eric Bielefeld, Ph.D. CDS, University at Buffalo, 2005
Kelly Carney, Ph.D., CDS, University at Buffalo, 2004
Aniket Saoji, Ph.D., CDS, University at Buffalo, 2004
Jian Wang, Ph.D., CDS, University at Buffalo, 2000
Nathan Amos, Ph.D., SPHS, Indiana University
Sarah Ferguson, Ph.D., SPHS, Indiana University

Au.D. Research Chair

Christina Coppolla, University of South Florida, 2017-present. Project Title:
Electrophysiological markers of residual inhibition during short-term intervention in individuals with tinnitus.

Caroline Kelly, University of South Florida, 2017-present. Project Title: Behavioral markers of residual inhibition during short-term intervention in individuals with tinnitus.

Taylor Traficant, University of South Florida, 2016-present. Project Title: Age-related changes in Aldosterone and hearing in older adults.

Samuel Bernhisel, University of South Florida, 2015 – present. Project Title: Hemispheric organization and functional connectivity of spectrotemporal processing in normal hearing adults

Kelsey Harris, University of South Florida, 2015 – present. Project Title: Cortical Processing of Dynamic ITD and ILD Cues in Normal Hearing Listeners

Stefnie Glazer, University of South Florida, 2014 – present. Project Title: Cortical oscillations as biomarkers of short-term tinnitus modulation.

Pablo Almanza Galicia, University of South Florida, 2014-present. Project Title An Exploratory Examination Of Generic Health Measures In A Clinical Trial Of Hearing Aid Use.

Alicia Durkin, University of South Florida, 2013-2016. Project Title: The effect of age on hemispheric distribution of interaural time differences (ITD).

Ioanna Tagarelli, University of South Florida, 2013-2016. Project Title: The effect of age on hemispheric distribution of the binaural interaction component (BIC) during ITD processing.

Miller McInnis, University of South Florida, 2014-2016. Project Title: The effect of age on Interaural time difference (ITD) discrimination.

Brendan McAteer, University of South Florida, 2013-2015. Project Title: The development and validation of an audiologic test battery to diagnose individuals with Friedreich's ataxia.

Bryce Romershausen, University of South Florida, 2011-2014. Project Title: Evoked potential correlates of the binaural masking level difference in older adults.

Makenzie Kline, University of South Florida, 2010-2013. Project Title: Effects of stimulus temporal envelope and fine structure on physiological correlates of the binaural masking level difference.

Amy Murray, University of South Florida, 2010-2013. Project Title: The effect of auditory training on behavioral and event-related potential measures of auditory memory.

Jennifer Dytche, AuD, University at Buffalo, 2002-2005. Project Title: Non-target stimulus effects on P300 responses in a 3-stimulus oddball paradigm.

Christina Babian, AuD, University at Buffalo, 2002-2004. Project Title: Effect of auditory masking on cross-modal processing of auditory and visual stimuli.

Jaclyn Smith, AuD, University at Buffalo, 2002-2004. Project Title: Behavioral and evoked potential measures of the masking level difference: Stimulus envelope versus fine structure.

Au.D. Research Committee Member

Jessica Silvani, University of South Florida, 2017-present

Melanie Hoglievina, University of South Florida, 2017-present

Zachary Moore, University of South Florida, 2017-present

Scheyere Moir, University of South Florida, 2017-present

Craig Spandau, University of South Florida, 2014-2017

Derek Gavin, University of South Florida, 2013-2016

Kyle Clifton, University of South Florida, 2011-2014

Susanne Sparkman, University of South Florida, 2010-2013

David Pryznosch, University at Buffalo, 2004-5

Ross Cushing, University at Buffalo, 2003-4

Leanne Cleveland, AuD, University at Buffalo, 2003-4

Jenifer Woo, AuD, University at Buffalo, 2003-4

M.A. Thesis Chair

Joelle Redner, M.A., Indiana University, 1996. Thesis: Physiological correlates of temporal integration in auditory late responses.

Kristin Moran, M.A., Indiana University, 1996. Thesis: Effect of stimulus duration on the P300 auditory evoked response.

M.A./M.S. Thesis Committee Member

Penaz Parveen Sultana, M.S., University of South Florida, Electrical Engineering, 2018.

Thesis: Quantifying the Neurovascular Response of Auditory Cortex using fNIRS.

Anusha Mohan, M.S., University of South Florida, Biomedical Engineering, 2014. Thesis:

Neural correlates of spectral, temporal and spectro-temporal modulation in young, normal hearing adults

Eva Bero, M.A., University at Buffalo, 2001. Thesis: Spectral Contrast Sensitivity: Auditory Transfer Functions for Sinusoidal Spectral Ripple

Shelly Godar, M.A., Indiana University, 1999. Thesis: Understanding the influence of stimulus generation characteristics on measures of temporal gap detection at low- and high-audio frequencies.

Laura Barber, M.A. Indiana University, 1996. Thesis: The role of temporal cues in binaural hearing.

Timothy Cosgrove, M.A., Indiana University, 1996. Thesis: The clinical uses of Maximum Length Sequences.

Jennifer Jones, M.A., Indiana University, 1996. Thesis: Transient evoked otoacoustic emissions in Down's syndrome.

Rebecca Walters, M.A., Indiana University, 1996. Thesis: The use of a laser technique in stapedectomy surgery and its effect on hearing.

Undergraduate Directed Research

Kayla Borges, USF Communication Sciences & Disorders, 2018

Christina Coppola, USF Communication Sciences & Disorders, 2016-17

Sofiya Chertina, USF Communication Sciences & Disorders, 2016

Kayla Cintron, USF Communication Sciences & Disorders, 2015-6

Lindsay Edmonds, USF Communication Sciences & Disorders, 2015

Megan Ungs, USF Communication Sciences & Disorder, 2015

Alex Matta, USF Communication Sciences & Disorders, 2015

Richard Gardner, USF Communication Sciences & Disorders, 2014

Michael DeValle, USF Biomedical Engineering, 2014

SOCIETY MEMBERSHIPS

Member, American Speech-Language-Hearing Association (1992 – present)

Fellow, American Academy of Audiology (2000 – present)

Member, Acoustical Society of America

Member, Association for Research in Otolaryngology

Member, American Auditory Society

PROFESSIONAL SERVICE

Reviewer, ASHA Foundation Student Grants, 2017

Research & Academics Committee, Council of Academic Programs in Communication Sciences & Disorders, Scholarship, 2015- 2016

Ad Hoc Grant Reviewer: Department of Defense Congressionally Directed Medical Research Programs (CDMRP); National Science Foundation

Ad Hoc Journal Reviewer: American Journal of Audiology; Ear and Hearing; Hearing Research; Journal of the Acoustical Society of America; Journal of the Association for Research in Otolaryngology; Trends in Hearing; Journal of Speech, Language, and Hearing Research; Journal of Fluency Disorders.

Chair, Education Committee, American Academy of Audiology, 2013-2016

Research on Audiology Education Subcommittee, American Academy of Audiology, 2011-13

Council on Academic Accreditation Election Committee, American Speech-Language-Hearing Association Annual Convention, 2009

NSF Grant Review Panel for Course, Curriculum, and Laboratory Improvement (CCLI) program, Adaptation and Implementation (A&I) track.

Consultant and Site Visitor to the Texas Higher Education Coordinating Board. Review the proposed Doctor of Audiology degree at Lamar University, Beaumont, TX 2002.

Acoustical Society of America, Psychological and Physiological Acoustics Special Session
Organizer on "Understanding the Dynamics of Auditory Perception through
Neuroimaging." Annual Meeting, Chicago, IL 2001
Psychological and Physiological Acoustics Technical Committee, Acoustical Society of America,
2000-2003.
Hearing Science Subcommittee, American Speech-Language-Hearing Association Annual
Convention, 1995, 2000.
Education Committee, Association for Research in Otolaryngology, 2002-2004
Bylaws Committee, Association for Research in Otolaryngology, 2000
Chair of Judges, Intel International Science and Engineering Fair, representing the Acoustical
Society of America, 1997.

UNIVERSITY AND COMMUNITY SERVICE

Core member, USF Global Center for Hearing & Speech Research, 2011-present
Outside Chair, Sarah Eisel, Ph.D. Dissertation committee, Aging Studies, USF, 2018
Executive Committee, USF Communication Disorders and Sciences, 2010-2017
Search Committees, USF Tampa, Instructors for Undergraduate CSD, 2012-13, 2016
Search Committees, USF Tampa, Clinical Instructor in Audiology, 2011-12, 2016, 2017
Search Committee, USF Sarasota- Manatee, Asst Prof in Audiology, 2011-12
USF Ph.D. in Translational Neuroscience Committee, 2011-2014
Course Marshal, Wegman's LPGA Tournament, June 2007, 2008, 2009
Walk-4-Hearing, representing Strong Audiology, May 2008, 2009
Alesi Health Fair, representing Strong Audiology, October 2006, 2007, 2008, 2009
Co-Director, Audiology Academic Program, University at Buffalo (2002-2005)
Faculty Senate Computer Services Committee, University at Buffalo (2002-2005)
Undergraduate and Audiology Curriculum Committees, Department of Communicative
Disorders & Sciences, University at Buffalo (1999-2002)
Department Representative, CAS Preview Day (2001, 2002)
Judge, Sigma Xi Research Day, University at Buffalo (2000 - present)
Audiology Clinical Supervisor, National Day of Hearing Testing, May 2000, University at Buffalo,
Speech and Hearing Clinic
Master's Education Team, Dept of Speech and Hearing Sci, Indiana University (1996-99)
Audiology Graduate Advisor, Dept of Speech and Hearing Sci, Indiana University (1995-99)
Core Faculty, Program in Neural Science, Indiana University (1994-99)
Associate Faculty, Cognitive Science, Indiana University (1994-99)
Search Committee, Dean for Women's Affairs, Indiana University (1999)
Audiology Clinical Supervisor: ON-TRACK preschool screening program for Monroe County, IN;
Indiana University Health Fair hearing screening. (1994-99)