

CURRICULUM VITAE

Sarah Foster Poissant

EDUCATION

Degree	Date	Field	Institution
Ph.D.	1999	Communication Science (Audiology)	University of Connecticut
M.A.	1994	Communication Science (Audiology)	University of Connecticut
B.A.	1992	Communication Sciences and Disorders	University of Vermont

PROFESSIONAL EXPERIENCE

9/06-Present Associate Professor, Communication Disorders Department,
University of Massachusetts Amherst, Amherst, MA.

Responsibilities: Teach undergraduate and graduate courses in implantable auditory prostheses, pediatric audiology, rehabilitative audiology, and anatomy and physiology; serve on departmental, school, and university committees; secure grant funding and conduct research in the areas of maximizing speech perception for listeners with hearing loss and cochlear implantation.

1/14-Present &
1/12 – 8/12 Interim Clinic Director, Center for Language, Speech and Hearing,
Communication Disorders Department, University of Massachusetts Amherst,
Amherst, MA.

Responsibilities: Oversight of clinic operations, place audiology and speech-language pathology graduate students into community-based practicum assignments, coordinate the professional seminar for first-year speech-language pathology students, administer the clinical observation program, complete clinic self-study (in conjunction with department chair), maintain clinical records, chair clinical staff meetings, review and revise clinical procedures, certify completion of clinical training requirements for all graduating speech-language pathology students, receive and respond to complaints either from/about graduate student clinicians.

9/99 – 8/96 Assistant Professor, Communication Disorders Department,
University of Massachusetts Amherst, Amherst, MA.

Responsibilities: Teach undergraduate and graduate courses in pediatric audiology, educational audiology, living with hearing loss, and anatomy and physiology; serve on departmental, school, and university committees; secure grant funding and conduct research in the areas of maximizing speech perception for listeners with hearing loss and cochlear implantation.

10/99 – Present Adjunct Assistant Professor, Department of Otolaryngology
University of Massachusetts Medical School, Worcester, MA.

7/99 – Present Consultant, UMass Memorial Cochlear Implant Program, Worcester, MA.

6/98 – 8/99 Per Diem Pediatric Audiologist, CT Children's Medical Center, Hartford, CT.

9/94 – 6/99	<u>Part-time Pediatric Audiologist</u> , CHIP Hearing Services, Storrs, CT.
7/97 – 8/98	<u>Birth-to-Three Program Assistant Program Manager</u> , CHIP Hearing Services, Storrs, CT.
9/94 – 5/98	<u>Part-time Pediatric Audiologist</u> , UConn Speech & Hearing Clinic, Storrs, CT.
Summer 1995	<u>Part-time Pediatric Audiologist/Aural Habilitation Therapist</u> , CHIP Hearing Services, Storrs, CT.
Summer 1994	<u>Full-time Audiologist</u> , UConn Speech & Hearing Clinic, Storrs, CT.

PUBLICATIONS

Refereed Articles

- Poissant, S.F., Bero, E.M., Busekroos, L., & Shao, W. (2014). Determining cochlear implant users' true noise tolerance: Use of speech reception threshold (SRT) in noise testing. *Otol. Neurotol.* 35, 414-420.
- Poissant, S.F., Freyman, R.L., MacDonald, A.J., & Nunes, H.A. (2012). Characteristics of noise exposure during solitary trumpet playing: immediate impact on distortion-product otoacoustic emissions and long-term implications for hearing. *Ear Hear.*, 33, 543-553.
- Whitmal, III, N.A. & Poissant, S.F. (2009). Effects of source-to-listener distance and masking on perception of cochlear implant processed speech in reverberant rooms. *J. Acoust. Soc. Am.*, 126, 2556-2569.
- Roditi, R.E., Poissant, S.F., Bero, E.M., & Lee, D.J. (2009). A predictive model of cochlear implant performance in postlingually deafened adults. *Otol Neurotol.*, 30, 449-454.
- Poissant, S.F., Beaudoin, F., Huang, J., Brodsky, J., & Lee, D.J. (2008). The impact of cochlear implantation on speech understanding, depression, and loneliness in the elderly. *J Otolaryngol. Head Neck Surg.*, 37, 488-494.
- Whitmal III, N.A., Poissant, S.F., Freyman, R.L., & Helfer, K.S. (2007). Speech intelligibility in cochlear implant simulations: effect of carrier type, interfering noise, and subject experience. *J. Acoust. Soc. Am.*, 122, 2376-2388.
- Poissant, S.F., Whitmal III, N.A., & Freyman R.L (2006). Effects of reverberation and masking on speech intelligibility in cochlear implant simulations. *J. Acoust. Soc. Am.*, 119, 1606-1615.
- Poissant, S.F., Peters, K.A., & Robb, M.P. (2006). Acoustic and perceptual appraisal of speech production in pediatric cochlear implant users. *Int. J. Pediat. Otorhinolaryngol.* 70, 1195-1203.
- Poissant, S.F., Megerian, C.A., & Hume, D. (2003). Cochlear implantation in a patient with neurofibromatosis type 1 (NF1) and profound hearing loss: Evidence to support a cochlear site of lesion. *Otol Neurotol.* 24, 751-756.
- Poissant, S.F., & Maxon, A.B. (2003). An auditory performance evaluation of pediatric hearing aid fittings. *The Volta Review*, 103, 141-167.

Invited/Contributed Articles

- Poissant, S.F. (2004). These are exciting times for cochlear implants, *Volta Voices*, 11(4), 13-14.
- Poissant, S.F., & Maxon, A.B. (2001). Assistive technology improves speech understanding of cochlear implant users. *Advance for Speech Language Pathologists and Audiologists*, 11(45), 4, 20.
- Foster, S.M., Brackett, D., & Maxon, A.B. (1997). Personal sound field FM: An alternative way of combating distance and noise in the classroom. *Clinical Bulletin*. Cochlear Corporation: Englewood, CO.

Book Chapters

- Peters, K.A., Poissant, S.F., & Ross, M. (1998). Parents and children helping each other. In F. Bess, J. Gravel, & M. Tharpe, (Eds.) *Children with Hearing Impairment: Contemporary Trends*.

GRANT AWARDS

External Grants

- Principal Investigator: The Impact of Total Communication on the Auditory Perception of Speech (\$25,000). Hearing Health Foundation, July 2013 – June 2015. (\$25,000).
- Principal Investigator: Reverberation and Masking Interactions with Cochlear Implant Processing. (\$147,440). National Institutes of Health/National Institute for Deafness and Other Communication Disorders R03 DC007969. September 2005 – August 2007.
- Principal Investigator: Feasibility, Validity, & Reliability of Cross-Modality Matching in Assessing Loudness in Adult and Pediatric Cochlear Implant Recipients. (\$10,000). American Academy of Audiology, 2003-2004.
- In-Kind Support, Cochlear Implant Hardware/Software, Med-El Corp., Spring 2002. (\$16,400).

Internal Grants

- Personal Teaching Improvement Grant, Enhancing Learning through the Use of Technology, University of Massachusetts' Information Technology Council Subcommittee on Academic Technology, 2008-2009 (\$2000).
- Individual Faculty Fellowship. University of Massachusetts' Provost's Committee on Service Learning, 2003-2004 (\$2,000).
- Unit Community Service Learning Planning Grant. University of Massachusetts' Provost's Committee on Service Learning, 2002-2003 (\$2,000).
- Experiential "3-D" Learning of Anatomy and Physiology. Teaching grant. University of Massachusetts Center for Teaching, Spring 2001. (\$1,500).
- Principal Investigator: Feasibility and Utility of Neural Response Telemetry Measures in Children Utilizing a Nucleus CI24 Cochlear Implant. University of Massachusetts (UMass Faculty Research Grant), 2000-2001 (\$12,253).

RESEARCH PRESENTATIONS AT SCIENTIFIC MEETINGS (since arriving at UMass)

- Freyman, R.L., Poissant, S.F., and Rost, G.C. (May, 2014). Priming in speech perception through captions and sign language. Acoustical Society of America Meeting, Providence, RI.
- Boles, B., Whitmal III, N.A., and Poissant, S.F. (March, 2014). Visual contributions to reverberant speech perception for cochlear implant users. American Auditory Society Meeting, Scottsdale, AZ.
- Griffin, A., Poissant, S.F., & Whitmal III, N.A. (2013). Effect of sentence topic priming on masking in cochlear implant processed speech. CI2013 – American Cochlear Implant Alliance Meeting, Washington, DC.
- Poissant, S.F., Whitmal, N.W., & Sussman, E. (2013). Environmental sound masking of speech in children and young adults. American Auditory Society Meeting, Scottsdale, AZ.
- Poissant, S.F., Whitmal, N.W., & Tompkins, S. (2012). Frequency-transposed vocoded speech augments low-frequency acoustic hearing. American Auditory Society Meeting, Scottsdale, AZ.
- Poissant, S.F. & Whitmal, N.W. (2011). Can listeners fuse multiple reflections when listening to spectrally-degraded speech? Conference on Implantable Auditory Prostheses, Pacific Grove, CA.
- Poissant, S.F. & Freyman, R.L. (2011). Characteristics of noise exposure during solitary trumpeting: Implications for hearing. American Auditory Society Meeting, Scottsdale, AZ.
- Poissant, S.F., Whitmal, N.A., & Lepine, A. (2010). Environmental sounds as maskers of cochlear implant processed speech. American Auditory Society Meeting, Scottsdale, AZ.
- Whitmal, N.A. & Poissant, S.F. (2010) Monaural echo fusion in cochlear implant simulations. American Auditory Society Meeting, Scottsdale, AZ.
- Whitmal III, N.A. & Poissant, S.F. (2009). The role of early reflections in the perception of spectrally-degraded speech. 2009 Conference on Implantable Auditory Prostheses, Lake Tahoe, CA.
- Roditi, R.E., Poissant, S.F., Bero, E.M., & Lee, D.J. (2008). A predictive model of cochlear implant performance in postlingually deafened adults. 10th International Conference on Cochlear Implants and Other Implantable Auditory Technologies. San Diego, CA.
- Griffin, A., Poissant, S.F., & Whitmal III, N.A. (2008). Defining the patterns of energetic and informational masking of cochlear implant processed speech. 10th International Conference on Cochlear Implants and other Implantable Auditory Technologies. San Diego, CA.
- Whitmal III, N.A. & Poissant, S.F. (2008). Reverberation, noise, and distance effects on cochlear implant speech perception. American Auditory Society Meeting, Scottsdale, AZ.
- Poissant, S.F. & Whitmal III, N.A. (2007). Reverberation, distance, masking and CI processed speech. 2007 Conference on Implantable Auditory Prostheses, Lake Tahoe, CA.
- Poissant, S.F., Raney, J. Carroll, E. & Whitmal III, N.A. (2007). The role of energetic and informational masking in speech understanding in pediatric cochlear implant recipients. 11th International Conference on Cochlear Implants in Children, Charlotte, NC.
- Poissant, S.F., Bero, E.M, & Lee, D.J. (2007). Correlation of neural response imaging (NRI) thresholds and electrically-evoked stapedial reflex thresholds (ESRST) with psychophysical measures of loudness: implication for programming the advanced bionics cochlear implant system. 11th International Conference on Cochlear Implants in Children, Charlotte, NC.
- Lee, M., Bero, E., Poissant, S.F., & Lee, D.J. (2006). Clinical outcomes in adult sequential bilateral

- cochlear implantation. 9th International Conference on Cochlear Implants, Vienna, Austria.
- Sauter, T.B., Poissant, S.F., & Baran, J.A. (2005). Differential diagnosis in an unsuccessful cochlear implant user. American Speech-Language-Hearing Association Convention, San Diego, CA.
- Poissant, S.F., Whitmal III, N.A., & Freyman, R.L. (2005). Effects of reverberation and masking on speech intelligibility in cochlear implant simulations. 2005 Conference on Implantable Auditory Prostheses, Pacific Grove, CA.
- Poissant, S.F., Beaudoin, F., Huang, J., Brodsky, J., Sirota, M. & Lee, D.J. (2005). Receiving a Cochlear Implant After Age 70 Years: Quality of Life Benefits. American Academy of Audiology Convention, Washington, DC.
- Poissant, S.F. & Freyman, R.L. (2005). Assessing Loudness with Cross-Modality Matching in CI Users. American Academy of Audiology Convention, Washington, DC.
- Whitmal III, N.A., Poissant, S.F., Freyman, R.L., & Helfer, K.S. (2005). Effect of Low-Noise Noise on Speech Intelligibility in Simulations of Cochlear Implant Processors with Normal-Hearing Listeners. Association for Research in Otolaryngology, Midwinter Meeting, New Orleans, LA.
- Poissant, S.F. & Freyman, R.L. (2004). Feasibility, Validity, & Reliability of Cross-Modality Matching in Assessing Loudness in Adult and Pediatric Cochlear Implant Recipients. VIII International Cochlear Implant Conference, Indianapolis, IN.
- Whitmal III, N.A., Poissant, S.F., Freyman, R.L., & Helfer, K.S. (2004). Effect of Combining Different Carriers Across Bands on Speech Intelligibility in Cochlear Implant Simulation. Association for Research in Otolaryngology, Midwinter Meeting, Daytona Beach, FL.
- Poissant, S.F., Madell, J., & Moorhead, J. (2003). Improving Speech Understanding through T-Level Modifications: A Feasibility Study. 9th Symposium – Cochlear Implants in Children, Washington, DC.
- Poissant, S.F., Megerian, C.A., & Hume, D. (2003). Cochlear Implantation in a Patient with Neurofibromatosis 1. American Academy of Audiology Convention, San Antonio, TX.
- Poissant, S.F. Brackett, D., Maxon, A.B., Peters, K.A. & Figini, L. (2002). Improving Speech Understanding in Noise for Cochlear Implant Users. American Academy of Audiology Convention, Philadelphia, PA.
- Poissant, S.F., Maxon, A.B., Brackett, D., Peters, K.A., & Van der Feen, J. (2001). Pediatric and Adult Cochlear Implant Users: Benefits of Assistive Technology. Hearing Rehabilitation Foundation Biennial International Conference, Portland, ME.
- Poissant, S.F. & Maxon, A.B. (2001). An Auditory Performance Evaluation of Pediatric Hearing Aid Fittings. American Academy of Auditory Convention, San Diego, CA.
- Poissant, S.F., Maxon, A.B., Brackett, D., Peters, K.A., & Van der Feen, J. (2001). Pediatric and Adult Cochlear Implant Users: Benefits of Assistive Technology. American Academy of Audiology Convention, San Diego, CA.
- Poissant, S.F., Maxon, A.B., Brackett, D., Peters, K.A., & Van der Feen, J. (2001). Pediatric and Adult Cochlear Implant Users: Benefits of Assistive Technology. 8th Symposium on Cochlear Implants in Children, Universal City, CA.
- Poissant, S.F., Brackett, D., & Peters, K.A. (2000). Optimizing Perception in CI Users: T- & C-level Enhancements. American Academy of Audiology Convention, Chicago, IL.
- Poissant, S.F., Brackett, D., & Peters, K.A. (2000). Perceptual Correlates of Psychophysical Measurement and Setting Techniques. The 6th International Cochlear Implant Conference, Miami, FL.

INVITED RESEARCH PRESENTATIONS

- Poissant, S.F. Real World Listening: The Impact of Reverberation and Masking on Speech Understanding. University of Connecticut, Speech, Language, and Hearing Sciences Colloquium Series, April 2013.
- Poissant, S.F. The Impact of Noise and Speech Maskers on Speech Understanding in Children with Either Normal Hearing for a Cochlear Implant. Connecticut Children's Medical Center, Audiology Staffing, Hartford, CT, July 2012.
- Poissant, S.F. The Impact of Reverberation and Competing Talkers on the Understanding of Cochlear Implant Processed Speech. University of Massachusetts Medical School, Otology/Audiology Grand Rounds, Worcester, MA, June 2009.
- Poissant, S.F. Reverberation and Masking Interactions with Cochlear Implant Processing, University of Connecticut, Innovations in Audiology – UConn's Contributions, Storrs, CT, July 2006.
- Poissant, S.F. The Impact of Reverberation, Masking, and Cochlear Implant Processing on Speech Perception, Boston University, Department of Biomedical Engineering, Hearing Research Center Seminar Series, Boston, MA, March 2006.
- Poissant, S.F. Cochlear Implant Research at the University of Massachusetts' Cochlear Implant Lab, MIT Engineering Group, Cambridge, MA, July 2003.
- Poissant, S.F. Effect of Maplaw (Amplitude Mapping) Manipulations on Speech Understanding in Quiet and Noise. Med-El Corporation, Audiologists' Training Meeting, Raleigh, NC, June 2002.
- Poissant, S.F. Psychophysics and Speech Understanding in Children. Cochlear Corporation Symposium, Philadelphia, PA, April 2002.

INVITED PROFESSIONAL PRESENTATIONS

- Poissant, S.F. Keynote Speaker – half-day presentation, Cochlear Implants: Amazing Outcomes, Continuing Challenges, Future Directions, Connecticut Academy of Audiology Annual Meeting, Cromwell, CT, June 2013.
- Poissant, S.F. Hearing with Cochlear Implants: Amazing Outcomes, Continuing Challenges, Future Directions, Current Topics in Audiology and Speech and Language Pathology, University of Massachusetts Amherst, March 2009.
- Poissant, S.F. Cochlear Implant Technology, UMass Medical School, Department of Otolaryngology, Worcester, MA, June 2004.
- Poissant, S.F. Cochlear Implantation, The Clarke School for the Deaf's Summer Institute, Northampton, MA, July 2003.
- Poissant, S.F. Come One, Call All, to the CochlearNetwork. The 4th Biannual Northeast Cochlear Implant Convention, Sturbridge, MA, July 2003.
- Poissant, S.F. Cochlear Implant and Hearing Loss Research: What Have You Done for Me Lately?, The 4th Biannual Northeast Cochlear Implant Convention, Sturbridge, MA, July 2003.
- Poissant, S.F. & Lee, D.J. Cochlear Implantation, The Deaf Studies Program at Holy Cross, Worcester, MA, April 2003.

Poissant, S.F. Your Child's Hearing, Belchertown Family Center, Belchertown, MA, March 2003.

Poissant, S.F. Cochlear Implants: Candidacy, Evaluation, and (Re)Habilitation. Innovations in Nucleus Cochlear Implant Technology Conference, UMass Medical School, Department of Otolaryngology, Worcester, MA, March 2003.

Poissant, S.F. Cochlear Implants: Candidacy, Evaluation, and (Re)Habilitation. Innovations in Nucleus Cochlear Implant Technology Conference, UMass Medical School, Department of Otolaryngology, Worcester, MA, January 2002, March, 2002, January 2003.

Poissant, S.F. Using Assistive Technology to Enhance Listening with a Cochlear Implant. Minuteman Implant Club Northeast Regional Family Retreat, Sturbridge, MA, June 2001.

Poissant, S.F. Cochlear Implants: Candidacy, Evaluation, and (Re)Habilitation. Innovations in Nucleus Cochlear Implant Technology Conference, UMass Medical School, Department of Otolaryngology, Worcester, MA, June 2001.

Poissant, S.F. Cochlear Implant Workshop. D.E.A.F., Inc., New Bedford, MA, June 2001.

Poissant, S.F. Peters, K.A., Maxon, A.B., & Brackett, D. Adult and Pediatric Cochlear Implant Users: Benefits of Assistive Technology. Self-Help for the Hard-of-Hearing Convention, Cherry Hill, NJ, June 2001.

Poissant, S.F. Cochlear Implants: The Med-El Cochlear Implant. UMass Medical School, Department of Otolaryngology, Worcester, MA, February 2001.

Poissant, S.F. Cochlear Implant MAPPING/Programming. Medical, Rehabilitative, & Educational Aspects of Cochlear Implants Conference, UMass Medical School, Department of Otolaryngology, Shrewsbury, MA, October 2000.

Poissant, S.F. Cochlear Implants. UMass Medical School, Department of Otolaryngology, Worcester, MA, December 1999.

Poissant, S.F. & Bartlett, S. Assessing Communication and Hearing in Children Ages 0-36 Months: Northeast Regional Family Service Coordination Center/Birth-to-Three Program, April 1996.

Maxon, A.B., Foster, S.M., Talbot, K. & Bartlett, S. Assessment of Hearing and Communication in Children Birth to Three: Connecticut Special Education Resource Center, Early Intervention/Early Childhood Conference, April 1995.

ACADEMIC ACTIVITIES

Graduate Courses Taught

ComDis 650	Pediatric Audiology (2000-present)
ComDis 647	Implantable Auditory Prostheses (2007-present)
ComDis 692I	Advanced Clinical Seminar (2009-present)
ComDis 698	Professional Seminar (2012; 2014)
ComDis 644	Educational Audiology (1999-2006)
ComDis 696	Graduate Independent Study (2001, 2009)

Undergraduate Courses Taught

ComDis 211	Anatomy & Physiology of the Speech & Hearing Mechanism (2000-present)
ComDis HO2	Honors Colloquium, ComDis 211 (2000-present)

ComDis 496k	Senior Observation (2012, 2014)
ComDis 550	Nature & Needs of the Hearing Impaired (2001-2005, 2008)
ComDis 398	Undergraduate Field Experience Supervision (2000, 2003, 2009, 2013)
ComDis 496	Undergraduate Independent Study (2000-present)
ComDis 499Y/T	Undergraduate Honors Research (2000-2008, 2011)

Ph.D. and MASTERS COMMITTEES

Ph.D. Dissertation

Chair, Ph.D. Dissertation Committee, Spring 2014-Present, Amanda Griffin - University of Massachusetts Amherst.

Member (External Examiner), Ph.D. Dissertation Committee, Spring 2012, Dona Jayakody – University of Canterbury, New Zealand: “A Computerized Pitch-Perception Training Program for the Hearing Impaired.”

Ph.D. Qualifying Exams

Chair, Ph.D. Comprehensive Examination Committee, Spring 2013, Amanda Griffin - University of Massachusetts Amherst.

Member, Ph.D. Comprehensive Examination Committee, Fall 2007, Katelyn McLaughlin – University of Massachusetts Amherst.

Masters Theses

External Examiner, M.Aud. Thesis, Summer 2008, Brenna Sincock – University of Canterbury, New Zealand: “Clinical Applicability of Adaptive Speech Testing: A Comparison of the Administration Time, Accuracy, Efficiency, and Reliability of Adaptive Speech Tests with Conventional Speech Audiometry.”

External Examiner, M.Aud. Thesis, Fall 2007, Andrew J. McGaffin – University of Canterbury, New Zealand: “Development of a Monosyllable Adaptive Speech Test for the Identification of Central Auditory Processing Disorder.”

Au.D. CAPSTONE RESEARCH SUPERVISION

Member, Christopher Garron (In Planning Process)

Chair, Elizabeth Keck (In Process), “Frequency Importance Functions for Children’s Voices.”

Member, Nicole Maynard (In Process), “Gaps-in-Noise (GIN) Test Performance in the Younger School-Aged Population.”

Chair, Bridget Laffin (In Process), “Effect of Stimulus Type on Listening Effort in Noise.”

Member, (In Process), “Benefits Provided by Ear-level and Speaker Tower FM Systems to Children with Hearing Loss.”

Member, Brianna Boles (In Process), “Benefits of Visuals Cues to Understanding of Cochlear Implant-Processed Speech in Noisy, Reverberant Environments.”

Member, Erin Bean (2013), “Use of an Adaptive Procedure for Deriving Importance Functions

for CNC Words.”

Member, Briana Horgan (2013), “An Analysis of the Relationship Between Listening Effort and Academic Performance.”

Chair, Emily Troutman (2013), “Test-Retest Reliability of Filtered Environmental Sounds in Clinical Threshold Measurement in Children.”

Chair, Emily Sussman (2013), “Environmental Sounds as Maskers of Speech in Children.”

Chair, Kaley Gray (2012), “Use of Filtered Environmental Sounds in Substitute for Pure Tones in Visual Reinforcement Audiometry.”

Chair, Joshua Nittenson (2012), “Use of Interactive Multimedia Medium with the Dichotic Digits Dichotic Processing Test.”

Member, Lindsay Woods (2012), “Filtered Spondee Speech Recognition Threshold: A Proposed Method of Estimating Pure Tone Thresholds for a Hard-to-Test Population.”

Member, Elias Moore (2009), “Outcomes of a Universal Newborn Hearing Screening Program in a Urban Hospital: What We Have Learned.”

Chair, Amanda Lepine (2009), “Speech Intelligibility in the Presence of Environmental Sounds Using a Cochlear Implant Simulation.”

Member, Deborah Reed (2009), “Impact of Hearing Protection Devices on Floor Monitor Loudness Level Settings.”

Member, April Teehan (2009), “Intelligibility of Simultaneous, Contralaterally-Presented Frequency-Lowered Vcoded Speech and Low-Pass Filtered Speech.”

Member, Ackland Jones (2008) “Investigating Auditory Priming in Speech Recognition Using a Same-Different Task.”

UNDERGRADUATE HONORS STUDENT RESEARCH

Member, Senior Honors Thesis, 2013-2014, Amanda Szarythe: “The Impact of Simultaneous Communication on the Auditory Perception of Speech.”

Member, Senior Honors Thesis, 2012-2013, Decia DeMaio: “Frequency Importance Functions for CNC Monosyllable Words.”

Chair, Senior Honors Thesis, Spring 2010 – Fall 2011, Stephanie Tompkins: “Frequency-Transposed, Vcoded Speech as a Means to Improve Intelligibility in Listeners with High-Frequency Hearing Loss” (Funded by Commonwealth Honors College)

Faculty Sponsor, Honors Research Assistant Fellowship, Fall 2010, Stephanie Tompkins: “Environmental Sounds as Maskers of Cochlear Implant Processed Speech.”

Member, Senior Honors Thesis, 2008-2009, Kristina DeRoy: “Adaptive-Bandwidth Measures of Speech-Frequency Importance Functions.”

Chair, Senior Honors Thesis, 2007-2008, Amanda Griffin: “Defining the Patterns of Energetic and Informational Masking of Cochlear Implant Processed Speech.” (Funded by Commonwealth Honors College)

Chair, Senior Honors Thesis, 2005-2006, Wendy Butynski: “The Effect of Reverberation, Reduced Spectral Information, and Distance on Speech Perception Using Cochlear Implant Simulations.”

Chair, Senior Honors Thesis, 2004-2005, Christine Alexander: “The Effects of Reverberation on Speech Understanding in Cochlear Implant Simulations.”

Chair, Senior Honors Thesis, 2002-2003, Heather Berthiaume: “Efficacy of E.A.R. Plugs in

Protecting Hearing of Trumpet Players During a One-Hour Practice Session Measured by Changes in Distortion Product Otoacoustic Emissions (DPOAEs)."

Chair, Senior Honors Thesis, 2001-2002, Alison MacDonald : "Use of Distortion Product Otoacoustic Emissions to Assess Temporary Threshold Shift in College Age Brass Instrumentalists." (Funded by Commonwealth Honors College)

Member, Senior Honors Project, 2002, Amanda Weaver: "Voice and Hearing Protection for Musicians and Singers."

Chair, Senior Honors Project, 2000-2001, Aimee Diehl: "My Brother's Cochlear Implant." (Funded by Commonwealth Honors College)

Chair, Senior Honors Project, 2000-2001, Lisa LaPointe: "Making Cochlear Implant Surgery Understandable." (Funded by Commonwealth Honors College)

Member, Senior Thesis Committee, 2000-2001, Kristen Benoit: "An Investigation of the Efficiency of DPOAE Screening Procedures for School-Age Children."

ADDITIONAL COLLEGIATE ASSIGNMENTS

Co-Coordinator 4th-Year Au.D. Externship Program 2008 – present.

Faculty Liaison for Graduate Student Interns 1999 – present.

Advisor to approximately 30 undergraduate and 6 Au.D and/or Ph.D. students per year.

SERVICE TO THE DEPARTMENT OF COMMUNICATIONS DISORDERS

Chair, Search Committee – Clinical Assistant Professor/Clinic Director, 2013-2014.

Clinical Advisory Board, Fall 2010-present.

Audiology Admissions Committee, 2004-present.

Personnel Committee, 2004-2005, 2007-2008 (chair), 2008-2009, Fall 2010-present.

Chair, Search Committee – Child Phonology Position, 2011-2012.

Communication Disorders Junior Year Writing Program Coordinator, 2007-2012.

Graduate Admissions Committee, 1999-2000, 2006-2008.

Participant – Mellon Mentoring Grant (PI – Whitmal), 2007-2008.

Curriculum Committee, 2003-2004, 2005-2006.

Ad-Hoc Committee on Benchmarking – Research, 2005-2006.

Ad-Hoc Committee on Faculty Evaluation, Chair – Research Subcommittee, 2004-2006.

Interim Advisor, National Student Speech-Language-Hearing Association Chapter, 2003.

Assistant Advisor, National Student Speech-Language-Hearing Association Chapter, 2005-2006.

Ad-Hoc Committee on New Standards, 2001-2002.

Departmental Representative, Library, 2000 – 2002.

Departmental Representative, MSP Union, 2000 – 2006.

Ad-Hoc Space Committee, 1999-2000.

SERVICE TO THE SCHOOL OF PUBLIC HEALTH AND HEALTH SCIENCES

SPHHS Strategic Planning Committee, Fall 2009-2013.

Curriculum Committee, School of Public Health and Health Sciences, 2004 – 2009; Chair Fall 2005, Spring 2007-Spring 2009.

Human Subjects Committee, School of Public Health and Health Sciences, 2002-2003.

SERVICE TO THE UNIVERSITY OF MASSACHUSETTS AMHERST

Workplace Climate and Bullying Committee, 2012-2013.

Advisory Committee Member, Labor/Management Workplace Education Program, 2003 – present; Committee Chair, Spring 2007 – present.

SERVICE TO THE PROFESSION

Scientific and Academic Reviews

Otology & Neurotology (2012-present).

International Journal of Pediatric Otorhinolaryngology (2011-present).

Journal of the Acoustical Society of America (2006 – present).

Ear and Hearing (2001 – present).

Journal of Communication Disorders (2006 – present).

Agency for Healthcare Research and Quality (AHRQ) – Technology Assessment Program. Report Produced by Tufts Evidence-based Practice Center at Request of Centers for Medicare and Medicaid Services (CMS) (Spring 2011).

Lippencott Williams & Wilkins (2006, 2010).

Butterworth-Heinemann Publishers (2000).

Disciplinary Associations

ASHA Audiology Advisory Council Member (2009)

AAA 2009 Annual Convention Program Committee Member, Student Research Forum Subcommittee Chair.

CONSULTANTING SERVICES

UMass Memorial Cochlear Implant Program 1999 – present.

Advanced Bionics Corporation (Summer '05) – Consultation provided for multi-center study design.

HONORS/AWARDS

University of Massachusetts Amherst, School of Public Health and Health Sciences, College
Outstanding Teacher, 2009.

Loan Repayment Program Grant. National Institutes of Health/National Institute for Deafness and
Other Communication Disorders. 2006-2008; 2008-2010.

American Academy of Audiology's New Investigator Award, Spring 2003.

Fellowship to Deafness Research Foundation's Advanced Clinical Workshop, Spring 2003.

CREDENTIALS

Certificate of Clinical Competency in Audiology: American Speech-Language-Hearing Association
Audiology License: State of Massachusetts

CURRENT MEMBERSHIPS IN PROFESSIONAL SOCIETIES

Acoustical Society of America

American Speech-Language-Hearing Association

American Auditory Society

American Cochlear Implant Alliance