

Justin M. Aronoff, Ph.D.

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Department of Speech and Hearing Science
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Education

University of Southern California and House Research Institute: NIH T32 Post-doctoral fellow	2011-2013
House Research Institute: Communication and Neuroscience Division, Post-doctoral fellow	2007-2011
University of Southern California: Neuroscience, Ph.D. Dissertation: The role of similarity in restoring missing notes in music Dissertation co-chairs: Elaine S. Andersen, Ph.D. Zhong-Lin Lu, Ph.D.	August 2007
University of Southern California: Linguistics, M.A.	May 2003
University of Illinois at Urbana-Champaign: Teaching of Spanish, B.A.	May 2001

Teaching Experience

University of Illinois at Urbana-Champaign	<ul style="list-style-type: none">• Cochlear implants• Introduction to sound and hearing• Neural basis of speech and language• Communication Neuroscience	
House Research Institute	Stats Seminar	2011

Professional Certification

Illinois Teaching Certification	2001
American Academy of Otolaryngology Oto Tech Certification	2009

External Funding

Principal Investigator, Effectiveness of the AB bimodal system in adult bimodal cochlear implant recipients, \$19,202 (Michael Novak, co-investigator)	Advanced Bionics	2017-2018
Principal Investigator, Improving cochlear implant patient performance with bilateral maps, \$24,000 (Michael Novak & Torrey Loucks, co-investigators)	Advanced Bionics	2017-2018
Principal Investigator, “The importance of coordination for binaural cochlear implant processors”, \$40,000 (David Landsberger, co-investigator)	American Hearing Research Foundation	2016-2017
Principal Investigator, Flexi grant, “Limitations on the integration of signals across ears”, \$8,172.63	Action on Hearing Loss	2013-2014
Principal Investigator, R03, “Improving cochlear implant performance by optimizing bilateral speech processors”, \$300,000	National Institutes of Health (NIH)/National Institute on Deafness and Other Communication Disorders (NIDCD)	2013-2017
Principal Investigator, “Improving bilateral cochlear implant patient performance” \$20,000 (David Landsberger, co-investigator)	National Organization for Hearing Research Foundation	2012-2014

Internal Funding

Principal investigator, Pilot grant, “Determining whether there is a unitary optimal bilateral electrode pairing across the binaural auditory system.”, \$20,000	Center on Health, Aging, and Disability, University of Illinois at Urbana-Champaign	2016-2017
USC Academic Professionalization Grant for \$2,000 for organizing Graduate symposium (with Nicholas Foster & Elaine Andersen)	University of Southern California	2005-2006

Awards and Honors

List of teachers ranked as excellent by their students Neural basis of speech and language (2014) Communication neuroscience (2015, 2016) Cochlear implants (2017)	University of Illinois at Urbana-Champaign	
Graduate student/postdoctoral fellow travel award	Association for Research in Otolaryngology	2013

NIH Hearing and Communication Neuroscience T32 Post-doctoral Fellowship	House Research Institute and University of Southern California	2011-2013
Hearst Scholarship	House Research Institute	2007
USC Final Year Fellowship	University of Southern California	2006-2007
Bursary for Oxford Summer School on Connectionist Modeling	Oxford University	2003
NIH Cognitive and Computational Neuroscience T32 Pre-doctoral Fellowship	University of Southern California	2001-2003

Journal Articles

Lawler, M., Yu, J., **Aronoff, J.M.** (In press). Comparison of the spectral-temporally modulated ripple test with the Arizona biomedical institute sentence test in cochlear implant users. *Ear and Hearing*.

Stelmach, J., Landsberger, D.M., Padilla, M., & **Aronoff, J.M.** (In press). Determining the minimum number of electrodes that need to be pitch matched to accurately estimate pitch matches across the array. *International Journal of Audiology*.

Suneel, D., Staisloff, H., Shayman, C., Stelmach, J., **Aronoff, J.M.** (2017). Localization performance correlates with binaural fusion for interaurally mismatched vocoded speech. *Journal of the Acoustical Society of America*, 142 (3), EL276-280.

Aronoff, J.M., Padilla, M., Stelmach, J., & Landsberger, D.M. (2016). Clinically paired electrodes are often not perceived as pitch matched. *Trends in Hearing*, 20, 1-9.

Staisloff, H.E., Lee, D. H., & **Aronoff, J.M.** (2016). Perceptually aligning apical frequency regions leads to more binaural fusion of speech in a CI simulation. *Hearing Research*, 337, 59-64.

Aronoff, J.M., Stelmach, J., Padilla, M., Landsberger, D.M. (2016). Interleaved processors improve cochlear implant patients' spectral resolution. *Ear and Hearing*, 37 (2), E85-E90.

Loucks, T.M., Suneel, D., **Aronoff, J.M.** (2015). Audio-vocal responses elicited in adult cochlear implant users. *Journal of the Acoustical Society of America*, 138(4), EL393-EL398.

Aronoff, J.M., Padilla, M., Fu, Q.-J., and Landsberger, D.M. (2015). Contralateral masking in bilateral cochlear implant patients: A model of medial olivocochlear function loss. *PLOS ONE*, 10(3): e0121591. doi:10.1371/journal.pone.0121591

Aronoff, J.M., Shayman, C., Prasad, A., Suneel, D., & Stelmach, J. (2015). Unilateral spectral and temporal compression reduces binaural fusion for normal hearing listeners with cochlear implant simulations. *Hearing Research*. 320, 24-29.

Aronoff, J.M., Amano-Kusumoto, A., Itoh, M., Soli, S. D. (2014). The effect of interleaved filters on normal hearing listeners' perception of binaural cues. *Ear and Hearing*, 35 (6), 708-710.

Amano-Kusumoto, A., Hosom, J.-P., Kain, A., & **Aronoff, J.M.** (2014). Determining the relevance of different aspects of formant contours to intelligibility. *Speech Communication*, 59, 1-9.

Aronoff, J.M. & Landsberger, D.M. (2013). The development of a modified spectral ripple test. *Journal of the Acoustical Society of America*, 134(2), EL217-EL222.

Eskridge, E.N., Galvin, J.J., **Aronoff, J.M.**, Li, T., & Fu, Q-J (2012). Speech perception with music maskers by cochlear implant users and normal hearing listeners. *Journal of Speech, Language, and Hearing Research*, 55, 800-810.

Aronoff, J.M., Freed, D.J., Fisher, L.M., Pal, I., Soli, S.D. (2012): Cochlear implant patients' localization using interaural level differences exceeds that of untrained normal hearing listeners. *Journal of the Acoustical Society of America*, 131(5), EL382-EL387.

Aronoff, J.M., Freed, D.J., Fisher, L., Pal, I., & Soli, S.D. (2011). The effect of different cochlear implant microphones on acoustic hearing individuals' binaural benefits for speech perception in noise. *Ear and Hearing*, 32(4), 468-484.

Aronoff, J. M., Yoon, Y.-S., & Soli, S. D. (2010). Stratification of American hearing aid users by age and audiometric characteristics: A method for representative sampling. *Ear and Hearing*, 31(3), 401-406.

Aronoff, J.M., Yoon, Y.-S., Freed, D.J., Vermiglio, A.J., Pal, I., & Soli, S.D. (2010). The use of interaural time and level difference cues by bilateral cochlear implant users. *Journal of the Acoustical Society of America*, 127 (3), EL87-EL92.

Almor, A., **Aronoff, J. M.**, MacDonald, M. C., Gonnerman, L. M., Kempler, D., Hintiryan, H., Hayes, U. J., & Andersen, E. S. (2009). A common mechanism in noun and verb naming evidenced by semantic deficits in patients with Alzheimer's disease. *Brain and Language*, 111(1), 8-19.

Aronoff, J. M., Gonnerman, L. M., Almor, A., Arunachalam, S. Kempler, D., & Andersen, E. S. (2006). Information content versus relational knowledge: Semantic deficits in patients with Alzheimer's disease. *Neuropsychologia*, 44 (1), 21-35.

Proceedings, Published Abstracts, and Editorials

Aronoff, J.M. & Hughes, M. (2016). Editorial: Binaural hearing with cochlear implants for bilateral, bimodal, and single-sided deafness patients. *Ear and Hearing*, 37 (3), 247.

Amano-Kusumoto, A., **Aronoff, J.M.**, Itoh, M., and Soli, S.D. (2012). The effect of dichotic processing on the perception of binaural cues. *InterSpeech 2012 Proceedings*.

Lilley, J., **Aronoff, J.M.**, Soli, S., Bunnell, T., and Pal, I. (2010). Automatic scoring of responses to the hearing in noise test using utterance verification based on hidden Markov models. *Journal of the Acoustical Society of America*, 127(3), 1902.

Jiang, J., **Aronoff, J. M.**, and Bernstein, L. E. (2008). Development of a visual speech synthesizer via second-order isomorphism. *ICASSP 2008*, 4677-4680.

Aronoff, J. M. (2006). Remembering what's missing: Modeling phoneme restoration and other complex forms of auditory induction as the triggering of a memory. *Journal of the Acoustical Society of America*, 120, 3341.

Aronoff, J. M. (2006). Investigating auditory induction without complete continuity. *Journal of the Acoustical Society of America*, 119, 3333.

Aronoff, J. M., Nuria G., and Mintz, T. H. (2006). Stochastic approaches to morphology acquisition. In Carol A. Klee and Timothy L. Face (eds.), *Selected Proceedings of the 7th Conference on the Acquisition of Spanish and Portuguese as First and Second Languages*, 110-121. Somerville, MA: Cascadilla Proceedings Project.

Aronoff, J. M., Gonnerman, L. M., Almor, A., Kempler, D., Andersen, E. S. (2004). The role of similarity structure in category specific deficits in Alzheimer's disease. *Brain and Language*, 91 (1), 154-155.

Gonnerman, L. M., **Aronoff, J. M.**, Almor, A., Kempler, D., & Andersen, E. S. (2004). From Beetle to bug: Progression of error types in naming in Alzheimer's disease. In K. Forbus, D. Gentner, & T. Regier (eds.) *Proceedings of the Twenty-Sixth Annual Conference of the Cognitive Science Society*, 1563.

Almor, A., Kempler, D., Andersen, E. S., **Aronoff, J. M.**, Gonnerman, L. M., & MacDonald, M. C. (2003). Investigating semantic deficits with nouns and verbs in Alzheimer's disease. *Brain and Language*, 87, 109-111.

Aronoff, J. M. (2003). Gender and the letter fluency task: Evidence from second language learners. *USC Working Papers in Linguistics*, 1(1), 111-120.

Aronoff, J. M. (2003). Null subjects in child language: Evidence for a performance-based account. In G. Garding and M. Tsujimura (eds.) *WCCFL 22 Proceedings*, 43-55. Somerville, MA: Cascadilla Press.

Aronoff, J. M., Gonnerman, L. M., Andersen, E. S., Kempler, D., & Almor, A. (2003). Implications of distributed representations for semantic processing: Evidence from Alzheimer's disease. In *Proceedings of the Twenty-Fifth Annual Conference of the Cognitive Science Society*, 97-102 Mahwah, NJ: Erlbaum.

Gonnerman, L. M., **Aronoff, J. M.**, Andersen, E. S., Kempler, D., & Almor, A. (2003). The relationship between naming performance and underlying category structure in Alzheimer's disease. *Brain and Language*, 87, 29-30.

Conference Presentations

Aronoff, J.M., Buente, A.C., Samuels, M.J., Abbs, E., Loucks, T.M. (2017). The effects of bilateral cochlear implants on vocal control. *Poster presented at the Conference on Implantable Auditory Prostheses, Lake Tahoe, CA.*

Aronoff, J.M., Todd, A.E., Staisloff, H.E., Lee, D.H., Landsberger, D.M. (2017). Using the acoustic signal to time-lock the pulses in the left and right cochlear implant. *Poster presented at the Conference on Implantable Auditory Prostheses, Lake Tahoe, CA.*

Aronoff, J.M., Stelmach, J., Lee, D.H. (2017). Bilateral pitch matches adapt based on the processor frequency allocation for bilateral cochlear implant users. *Poster presented at the Conference on Implantable Auditory Prostheses, Lake Tahoe, CA.*

Staisloff, H.E., Lee, D.H., **Aronoff, J.M.** (2017). Comparing methods for pairing electrodes across ears with cochlear implants. *Poster presented at the Conference on Implantable Auditory Prostheses, Lake Tahoe, CA.*

Buente, A.C., **Aronoff, J.M.**, Samuels, M.J., Louck, T.M. (2017). Ongoing vocal corrections to brief loudness shifts: voice stabilization mechanisms. *Poster presented at the Conference on Implantable Auditory Prostheses, Lake Tahoe, CA.*

Johnson, E.C., Lee, D.H., Jones, D.L., **Aronoff, J.M.**, Ratnam, R. (2017). Neural timing code improves speech perception in vocoder simulations of cochlear implant sound coding. *Poster presented at the Conference on Implantable Auditory Prostheses, Lake Tahoe, CA.*

Aronoff, J.M. (2017). The importance of moving towards bilateral maps. *Talk presented at Advanced Bionics, Valencia, CA.*

Aronoff, J.M., Buente, A., Samuels, M., Abbs, E., Loucks, T.M. (2017). Maintaining a stable voice with a cochlear implant. *Talk presented at the American Auditory Society Scientific and Technology Meeting, Scottsdale, AZ.*

Staisloff, H.E., Lee, D.H., **Aronoff, J.M.** (2017). Comparing methods for pairing electrodes across ears with cochlear implants. *Poster presented at the American Auditory Society Scientific and Technology Meeting, Scottsdale, AZ*

Aronoff, J.M., Todd, A., Staisloff, H.E., Lee, D.H., Landsberger, D.M. (2017). Using the acoustic signal to time-lock bilateral cochlear implants. *Poster presented at the American Auditory Society Scientific and Technology Meeting, Scottsdale, AZ*

Aronoff, J.M., Todd, A., Staisloff, H.E., Lee, D. H., Landsberger, D.M. (2017). Using the acoustic signal to time-lock the pulses in the left and right cochlear implant. *Poster presented at the Association for Research in Otolaryngology midwinter meeting, Baltimore, MD.*

Johnson, E.C., Lee, D.H., Jones, D.L., **Aronoff, J.M.**, Rama, R. (2017). A neural timing code improves speech perception in vocoder simulations of cochlear implant sound coding. *Poster presented at the Association for Research in Otolaryngology midwinter meeting, Baltimore, MD.*

Aronoff, J.M., Staisloff, H., Lee, D. (2017). Improving bilateral cochlear implant users' sensitivity to interaural time differences. *Talk presented at Ear Day, Chicago, IL.*

Samuels, M., **Aronoff, J.M.**, Buente, A., Abbs, E., Loucks, T. M. (2017). The relationship between vocal pitch and pitch perception in cochlear implant users. *Talk presented at Ear Day, Chicago, IL.*

Aronoff, J.M., Buente, A., Samuels, M., Abbs, E., Loucks, T.M. (2016). What cochlear implant users' voice says about what they hear. *Talk presented at the Midwest Conference on Cochlear Implants, Madison, WI.*

Aronoff, J.M., Gampa, A., Lee, D., Stelmach, J. (2016). Bilateral maps can improve bilateral cochlear implant patients' spectral resolution. *Talk presented at the International Conference on Cochlear Implants, Toronto, Canada.*

Yu, J., Lawler, M., **Aronoff, J.M.** (2016). Comparison of the spectral-temporally modulated ripple test (SMRT) with the Arizona Biomedical Institute (AzBio) sentence test in cochlear implant (CI) users. *Talk presented at the International Conference on Cochlear Implants, Toronto, Canada.*

Aronoff, J.M., Samuels, M., Suneel, D., Loucks, T.M. (2016). Using vocal production to measure cochlear implant patients' perception. *Poster presented at the International Conference on Cochlear Implants, Toronto, Canada.*

Stelmach, J. Landsberger, D. Padilla, M, **Aronoff, J.M.** (2016). Developing a clinically feasible pitch matching task for bilateral cochlear implant users. *Poster presented at AudiologyNOW American Academy of Audiology Conference, Phoenix, AZ.*

Aronoff, J.M., Gampa, A., Stelmach, J., Padilla, M., Landsberger, D. M. (2016). Leveraging bilateral implants to improve cochlear implant patients' spectral resolution. *Talk presented at the Association for Research in Otolaryngology midwinter meeting, San Diego, CA.*

Buente, A., **Aronoff, J.M.**, Samuels, M. (2016). Effects of vocoder carrier bandwidths on binaural fusion. *Poster presented at the Association for Research in Otolaryngology midwinter meeting, San Diego, CA.*

Lee, D.H., **Aronoff, J.M.** (2016). Effects of broadening contralateral maskers on masking functions in bilateral cochlear implant users. *Poster presented at the Association for Research in Otolaryngology midwinter meeting, San Diego, CA.*

Staisloff, H.E., Lee, D.H., **Aronoff, J.M.** (2016). Perceptually aligning apical frequency regions can lead to more binaural fusion of speech in a cochlear implant simulation. *Poster presented at the Association for Research in Otolaryngology midwinter meeting, San Diego, CA.*

Stelmach, J. Landsberger, D. Padilla, M, **Aronoff, J.M.** (2016). Developing a clinically feasible pitch matching task for bilateral cochlear implant users. *Poster presented at the Association for Research in Otolaryngology midwinter meeting, San Diego, CA.*

Staisloff, H.E., Lee, D. H., & **Aronoff, J.M.** (2015). Perceptually aligning apical frequency regions leads to more binaural fusion of speech in a CI simulation. *Talk presented at the Midwest Conference on Cochlear Implants, Madison, WI.*

Aronoff, J.M., Gampa, A., Stelmach, J., Padilla, M., & Landsberger, D.M. (2015). Leveraging bilateral implants to improve cochlear implant patients' spectral resolution. *Talk presented at Ear Day, Chicago, IL.*

Stelmach, J., Landsberger, D.M., Padilla, M.D., **Aronoff, J.M.** (2015). Developing a clinically feasible pitch matching task for bilateral cochlear implant users. *Talk presented at Ear Day, Chicago, IL.*

Aronoff, J.M., Laubenstein, A., Gampa, A., Lee, D.H., Stelmach, J., Samuels, M.J., & Buente, A.C. (2015). When perceptually aligning the two ears, is it better to only use the portions that can be aligned or to use the whole array? *Poster presented at the Conference on Implantable Auditory Prostheses, Lake Tahoe, CA.*

Lee, D.H. & **Aronoff, J.M.** (2015). The effects of a broader masker on contralateral masking functions. *Poster presented at the Conference on Implantable Auditory Prostheses, Lake Tahoe, CA.*

Todd, A.E., **Aronoff, J.M.**, Staisloff, H., Landsberger, D.M. (2015). The effect of interaural mismatch and interaurally interleaved channels on spectral resolution in simulated cochlear implant listening. *Poster presented at the Conference on Implantable Auditory Prostheses, Lake Tahoe, CA.*

Loucks, T.M., Suneel, D., **Aronoff, J.M.** (2015). Perceived pitch shifts elicit vocal corrections in cochlear implant patients. *Poster presented at the Conference on Implantable Auditory Prostheses, Lake Tahoe, CA.*

- Aronoff, J.M.**, Stelmach, J., Padilla, M., and Landsberger, D. (2015). Interaural place mismatches persist for long-term bilateral cochlear implant users. *Talk presented at the Association for Research in Otolaryngology midwinter meeting, Baltimore, MD.*
- Shayman, C., Stelmach, J., Prasad, A., Suneel, D., and **Aronoff, J.M.** (2015). The role of spectral and temporal cues in binaural fusion. *Poster presented at the Association for Research in Otolaryngology midwinter meeting, Baltimore, MD.*
- Aronoff, J.M.**, Shayman, C., Suneel, D., Stelmach, J., Lee, D., Prasad, A., Staisloff, H., and Laubenstein, A. (2015). Holding sound together and pulling it apart. *Talk presented at the Mid-Atlantic Conference on Cochlear Implants, College Park, MD*
- Suneel, D., Staisloff, H., Shayman, C.S., Stelmach, J., **Aronoff, J.M.** (2015). Examining the relationship between localization abilities and binaural fusion. *Talk presented at the Mid-Atlantic Conference on Cochlear Implants, College Park, MD*
- Aronoff, J.M.**, Shayman, C. S., Suneel, D., Stelmach, J., Prasad, A., and Staisloff, H. (2014). Holding sound together and pulling it apart: The role of similarity in binaural fusion. *Talk presented at Ear Day, Chicago, IL.*
- Shayman, C.S., Suneel, D., Stelmach, J., Prasad, A., Staisloff, H., and **Aronoff, J.M.** (2014). Binaural fusion: A single-sided deafness perspective simulated in normal-hearing listeners. *Talk presented at the Midwest Conference on Cochlear Implants, Madison, WI.*
- Aronoff, J.M.**, Padilla, M., and Landsberger, D. M. (2014). Improving cochlear implant patients' performance by interleaving the signal across ears. *Talk presented at the International Conference on Cochlear Implants, Munich, Germany.*
- Aronoff, J.M.**, Padilla, M., and Landsberger, D. M. (2014). The peak of contralateral masking is predicted by pitch matching. *Talk presented at the Association for Research in Otolaryngology midwinter meeting, San Diego, CA.*
- Padilla, M., **Aronoff, J.M.**, and Landsberger, D. M. (2014). The virtual tripole: A new stimulation mode for cochlear implants. *Poster presented at the Association for Research in Otolaryngology midwinter meeting, San Diego, CA.*
- Aronoff, J.M.** (2013). Using contralateral masking to gain insight into the binaural system. *Talk presented at the Midwest Conference on Cochlear Implants, Madison, WI.*
- Aronoff, J.M.**, Padilla, M., Fu, Q.-J., and Landsberger, D. M. (2013). Improving cochlear implant patients' spectral resolution by dividing the signal across ears. *Poster presented at the Conference on Implantable Auditory Prostheses, Lake Tahoe, CA.*
- Landsberger, D.M., Srinivasan, A.G., **Aronoff, J.M.**, Ong, B., Crew, J. (2013). Partial tripolar stimulation improves speech in noise and spectral resolution. *Poster presented at the Conference on Implantable Auditory Prostheses, Lake Tahoe, CA.*
- Aronoff, J. M.**, Padilla, M., Fu, Q.-J., and Landsberger, D. M. (2013). Ipsilateral and contralateral masking in bilateral cochlear implant users. *Poster presented at the Association for Research in Otolaryngology midwinter meeting, Baltimore, MD.*
- Landsberger, D.M., Srinivasan, A.G., **Aronoff, J.M.**, Ong, B., Crew, J., and Shannon, R. V. (2013). Current focusing improves speech in noise and spectral resolution in cochlear implant users. *Poster presented at the Association for Research in Otolaryngology midwinter meeting, Baltimore, MD.*

Amano-Kusumoto, A., **Aronoff, J.M.**, Itoh, M., and Soli, S.D. (2012). The effect of dichotic processing on the perception of binaural cues. *Poster presented at InterSpeech, Portland, OR.*

Aronoff, J. M. & Fu, Q.-J. (2011). The relationship between place mismatch and detection in noise thresholds with simulated cochlear implants. *Poster presented at the Conference on Implantable Auditory Prostheses, Pacific Grove, CA.*

Eskridge, E. N., Galvin, J. J., Fu, Q.-J., & **Aronoff, J. M.** (2011). Speech perception in music backgrounds by cochlear implant users and normal hearing listeners. *Poster presented at the Conference on Implantable Auditory Prostheses, Pacific Grove, CA.*

Aronoff, J. M. (2011). Two cochlear implants are (sometimes) better than one. *Talk presented at the 2nd annual Hearing and Communication Neuroscience Retreat, Catalina Island, CA.*

Aronoff, J. M. & Fu, Q.-J. (2011). Do bilateral cochlear implant patients have binaurally coherent representations? *Poster presented at the Association for Research in Otolaryngology midwinter meeting, Baltimore, MD.*

Aronoff, J. M. (2010). Are cochlear implant users sensitive to interaural correlation? *Talk presented at the 1st Annual SoCal Hearing Conference, Irvine, CA.*

Lilley, J., **Aronoff, J. M.**, Soli, S., Bunnell, T., Pal, I. (2010). Automatic scoring of responses to the hearing in noise test using utterance verification based on hidden Markov models. *Poster presented at the Acoustical Society of America meeting, Baltimore, MD.*

Aronoff, J. M., Yoon, Y.-S., & Soli, S. D. (2010). The role of interaural time and level cues in spatial release from masking and localization abilities for cochlear implant users. *Poster presented at the Association for Research in Otolaryngology midwinter meeting, Anaheim, CA.*

Aronoff, J. M., Yoon, Y.-S., & Soli, S. D. (2009). A stratified sampling plan for hearing aid research. *Poster presented at the American Academy of Audiology meeting, Dallas, TX.*

Aronoff, J. M. & Soli, S. D. (2008). The demographics of hearing aid users in the United States. *Poster presented at the International Hearing Aid Conference, Lake Tahoe, CA.*

Jiang, J., **Aronoff, J. M.**, and Bernstein, L. E. (2008). Development of a visual speech synthesizer via second-order isomorphism. *Poster presented at the IEEE International Conference on Acoustics, Speech, and Signal Processing, Las Vegas, NV.*

Aronoff, J. M. (2006). Remembering what's missing: Modeling phoneme restoration and other complex forms of auditory induction as the triggering of a memory. *Talk presented at the Acoustical Society of America meeting, Honolulu, HI*

Aronoff, J. M. (2006). Investigating auditory induction without complete continuity. *Talk presented at the Acoustical Society of America meeting, Providence, RI*

Aronoff, J. M., Foster, N. (2006). Phoneme restoration using illusory bottom-up information. *Talk presented at the Linguistic Society of America meeting, Albuquerque, NM*

Aronoff, J. M., Foster, N. (2004). A computational model of the effects of varying input frequency ranges on directional selectivity in human auditory cortex. *Poster presented at the Society for Neuroscience meeting, San Diego, CA*

Aronoff, J. M., Gonnerman, L. M., Almor, A., Kempler, D., Andersen, E. S. (2004) The role of similarity structure in category specific deficits in Alzheimer's disease. *Poster presented at the Academy of Aphasia meeting, Chicago, IL*

Aronoff, J. M., Nuria G., and Mintz, T. H. (2004). Stochastic approaches to morphology acquisition. *Talk presented at the 8th Hispanic Linguistics Symposium and the 7th Conference on the Acquisition of Spanish and Portuguese as First and Second Languages, Minneapolis, MN*

Gonnerman, L. M., **Aronoff, J. M.,** Almor, A., Kempler, D., & Andersen, E. S. (2004). From Beetle to bug: Progression of error types in naming in Alzheimer's disease. *Poster presented at the Cognitive Science Society meeting, Chicago, IL.*

Gonnerman, L. M., **Aronoff, J. M.,** Andersen, E. S., Kempler, D., & Almor, A. (2003). The relationship between naming performance and underlying category structure in Alzheimer's disease. *Poster presented at the Academy of Aphasia meeting, Vienna, Austria*

Almor, A., Kempler, D., Andersen, E. S., **Aronoff, J. M.,** Gonnerman, L. M., & MacDonald, M. C. (2003). Investigating semantic deficits with nouns and verbs in Alzheimer's disease. *Poster presented at the Academy of Aphasia meeting, Vienna, Austria*

Aronoff, J. M., Gonnerman, L. M., Andersen, E. S., Kempler, D., & Almor, A. (2003). Implications of distributed representations for semantic processing: Evidence from Alzheimer's disease. *Poster presented at the Cognitive Science Society meeting, Boston, MA*

Aronoff, J. M. (2003). Null subjects in child language: Evidence for a performance-based account. *Talk presented at the West Coast Conference on Formal Linguistics, San Diego, CA*

Invited Talks

Invited speaker	"Two ears are better than one: The benefits, limits, and possibilities of bilateral cochlear implants"	September, 2013 Indiana University
Guest lecture <i>Language and Mind</i> (LING 275)	"Cochlear implants"	October, 2011 University of Southern California
Guest lecture <i>Language and Mind</i> (LING 275)	"From bench to bedside: Translational research for hearing impairment"	March, 2009 University of Southern California
Guest lecture <i>The Process of Change in Science</i> (CORE 103)	"Investigating the brain"	October, 2008 University of Southern California
Guest lecture <i>Current Topics in Cognitive Neuroscience: Language and Cognition in Atypical Populations</i> (Psych 546)	"Investigating the brain"	September, 2008 University of Southern California

Professional Activities

Section Editor, Ear and Hearing 2016-present

Guest Editor, Ear and Hearing 2015

Ad-hoc grant reviewer: Action on Hearing Loss
American Speech-Language-Hearing Foundation

Ad-hoc reviewer: Ear and Hearing
Hearing Research
International Journal of Audiology
Journal of the Acoustical Society of America
Journal of the Association for Research in Otolaryngology
Journal of Speech Language and Hearing Research
Otology and Neurotology
PLoS ONE

Test Development:

Co-developed (with David Landsberger) the Spectral-temporally Modulated Ripple Test (SMRT).

- Quickly measures spectral resolution in both normal hearing and hearing impaired populations.
- Reduces confounds in previous spectral resolution tests (i.e. spectral ripple).
- Available for free download at <http://smrt.tigerspeech.com>

Co-Moderator, Binaural psychoacoustics podium session, 2014 Association for Research in Otolaryngology Midwinter meeting.

Topic co-leader, Young investigator mentoring session 2013
Conference on Implantable Auditory Prostheses

USC Graduate Student Symposium “Interdisciplinary approaches to psycholinguistic and neurolinguistic research: Investigating speech perception and production” 2005-2006
Organizer (with N. Foster, faculty advisor E. Andersen)

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