

VITA

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Dept. of Speech, Language and Hearing Sciences
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EDUCATION

Northwestern University, Evanston, IL
1994-1995 Post-doctoral research, Auditory Neuroscience Laboratory
1994 Ph.D. in Audiology and Hearing Science
1989 M.A. in Audiology and Hearing Science
University of Bombay, Bombay, India
1988 B.Sc. in Audiology and Speech Language Pathology

PROFESSIONAL EXPERIENCE

University of Colorado at Boulder, Boulder, CO
2006-Present, Professor, Speech Language and Hearing Science
The University of Texas at Dallas, Dallas, TX
2001-2006 Associate Professor, School of Behavioral and Brain Sciences
Callier Center for Communication Disorders
Arizona State University, Tempe, AZ
1995-2001, Assistant Professor, Department of Speech and Hearing Science
Northwestern University, Evanston, IL
1994-1995 Post Doctoral Research Associate, Auditory Neuroscience Laboratory

PROFESSIONAL QUALIFICATIONS

Certificate of Clinical Competence (CCC) in Audiology

SELECTED HONORS

Research highlighted by the National Institutes of Health (NIH)-National Institutes for Deafness and Communication Disorders (NIDCD) in a report to the United States Congress in 2003.

Member of the NIH Blueprint for Neurosciences panel on harnessing neuroplasticity for clinical applications workshop, April 2009

Outstanding contribution by a young scientist award at the International Evoked Response Study Group, 12th symposium, Trento, Italy 1991.

Polizer prize for outstanding scientific contribution as co-author at the International Polizer Society Meeting, Cortina Ampezzo, Italy, 1992.

Selected Keynote Addresses: Marion Downs Inaugural Lecture Series at the American Academy of Audiology Convention, Washington DC 2005; British Academy of Audiology Convention, Torquay, U.K. December 2005; A.G. Bell Talk of a Lifetime, Washington DC July 2007; National Early Hearing Detection & Intervention Conference, New Orleans 2008; Ted Evans Lecture, British Society of Audiology, Manchester, U.K. 2010; International Conference on Newborn Hearing Screening Conference, Lake Como, Italy 2010

Callier Scholar, University of Texas at Dallas, 2003-2005

2002 Best in Audiology -Literature citation for the most thought provoking article in diagnostic audiology (Sharma et al., *Ear Hear* (23) 6, 2002), Cited in *The Hearing Journal*, 2002.

2006 Best in Audiology – Literature citation for All-Round Favorite article in diagnostic audiology (Sharma A, et al., *JAAA* 16(8):564-73 2005). Cited in: *The Hearing Journal*, 59(6):32-46, 2006.

2007 Best in Audiology- Literature citation for best special edition in diagnostic audiology. (Edited by Anu Sharma; Special Issue on central auditory system development and plasticity. *International Journal of Audiology* 46(9) 2007. Cited in *Hearing journal* 2008, 61(6): 30-34

2008 King, Campbell, Sharma et al., *Clin Neurophys* 119(12) 2855-61, 2008; Reviewed as a recommended paper of 2008 by Jean Francois Demonet in the journal *FT1000 Medicine* which highlights new findings in Medicine and Neuroscience. (Jean-Francois Demonet: Faculty of 1000 Medicine, 18 Nov 2008)
<http://www.f1000medicine.com/article/id/1126847/evaluation>).

RESEARCH GRANTS (AWARDED)

- Sharma A. (Principal Investigator). Central auditory development in hearing impaired infants. *National Institutes of Health. NIDCD R01 DC06257*. Award duration 2004-2012
- Sharma A. (Principal Investigator) Two ARRA supplements for R01DC006257. Award Duration 2009-2011
- Sharma A. (Principal Investigator). Central auditory system plasticity in implanted children. *National Institutes of Health. NIDCD R01 award*. Award duration 2001-2008
- Sharma A (Co-investigator/ later consultant). A portable research interface for cochlear implants. *NIDCD contract award*. 2006-2009. P.I. Phillip Loizou
- Sharma A. (Principal Investigator). Optimal age for cochlear implantation in children. *American Hearing Research Foundation*. Award duration 2000-2002
- Sharma A. (Principal Investigator). Plasticity of central auditory pathways in cochlear implant users. *National Organization for Hearing Research*. Award duration 2001-2002
- Sharma A. (Principal Investigator). Developmental changes in the speech-evoked N100 cortical auditory potential. *Faculty Grant-in-Aid program. Council for Research and Creative Activities, Arizona State University*. Award duration 1996-1997

RESEARCH AWARDS FOR STUDENT ADVISEES

- 2011 Julia Campbell-F-31 NRSA Pre-doctoral fellowship from NIDCD National Institutes of Health.
- 2011 Julia Campbell- Inaugural Plural Publishing Doctoral Research Award presented through the Council on Academic Programs in Communication Sciences and Disorders (CAPSCD)
- 2011 Julia Campbell-Outstanding Doctoral Researcher Award SLHS, CU-Boulder
- 2011 Garrett Cardon- Outstanding Doctoral Researcher Award SLHS, CU-Boulder
- 2010 Julia Campbell- New Century Scholar Award from the American Speech Language Hearing Association (ASHA) foundation.
- 2010 Garrett Cardon-Student Research Forum Award, American Academy of Audiology
- 2009 Garrett Cardon-Graduate Student Scholarship Award, American Speech Language Hearing Association
- 2008 Julia Campbell-Award for Student Research Presentation at the Mountain Neuroscience Group Regional Meeting, Denver, CO
- 2008 Julia Campbell-First Place Student Research Award at the annual convention of the Colorado Academy of Audiology
- 2005 Katrina Agung -New Century Award from the American Speech Language Hearing Association
- 2002 Phillip Gilley-Student Investigator Research Award, American Academy of Audiology

SCIENTIFIC PUBLICATIONS (* denotes graduate student of Dr. Sharma).

- Kral A and Sharma A (In Press). Born to Hear: Developmental neuroplasticity in deafness. *Trends in Neuroscience*
- Campbell J* and Sharma A (accepted) The P1 CAEP Biomarker: A case report. *Journal of Pediatric Otorhinolaryngology*. Special volume on the proceedings of the Xth European Symposium on Pediatric Cochlear Implantation.
- Roland P, Martin K, Booth T, Campbell J* and Sharma A (2011-In press). Assessment of cochlear implant candidacy in patients with cochlear nerve deficiency using the P1 CAEP biomarker. *Cochlear Implants International*. Vol (12): 2
- Cramer SC, Sur M, Dobkin BH, O'Brien C, Sanger TD, Trojanowski JQ, Rumsey JM, Hicks R, Cameron J, Chen D, Chen WG, Cohen LG, deCharms C, Duffy CJ, Eden GF, Fetz EE, Filart R, Freund M, Grant SJ, Haber S, Kalivas PW, Kolb B, Kramer AF, Lynch M, Mayberg HS, McQuillen PS, Nitkin R, Pascual-Leone A, Reuter-Lorenz P, Schiff N, Sharma A, Shekim L, Stryker M, Sullivan EV, Vinogradov S. Harnessing neuroplasticity for clinical applications. *Brain*. (2011) Jun;134 (Pt 6):1591-609. (2011). [Based on a workshop sponsored by the NIH Blueprint for Neuroscience Research in April 2009]
- Sharma, A, Cardon G*, Henion K and Roland P. (2011) Cortical maturation and behavioral outcomes in children with auditory neuropathy spectrum disorder. *International Journal of Audiology*, 50: 98-106, 2011
- Sharma A and Dorman M (2011) Central auditory development, plasticity and re-organization after cochlear implantation: Evidence from evoked potential and brain imaging studies. Zeng, F.-G., Popper, A. N., and Fay, R. R. (eds). *Auditory Prostheses: New Horizons*. Springer Science+Business Media, LLC, New York.
- Campbell, J*, Cardon G* and Sharma A (2011) Clinical application of the P1 cortical auditory evoked potential biomarker in children with sensorineural hearing loss and auditory neuropathy spectrum disorder. *Seminars in Hearing* Vol 32:2: 147-155; 2011
- Sharma A and Campbell J* (2011) A sensitive period for cochlear implantation in deaf children. *Journal of Maternal-Fetal and Neonatal Medicine* 24(S(1)): 151-153. Proceedings of the XVII Italian Society of Neonatology Conference.
- Cardon, G*., Sharma, A. (2011) Cortical auditory evoked potentials in auditory neuropathy spectrum disorder: clinical implications. American Speech Language and Hearing Association Special Interest Publication: *Perspectives on Hearing and Hearing Disorders in Childhood*.
- Gilley P*, Sharma A, Mitchell T, and Dorman MF (2010). A sensitive period for auditory-visual integration in children with cochlear implants. *Restorative Neurology and Neuroscience: Special issue on development and plasticity of multisensory functions*. Roeder B and Wallace M (eds) ;28(2):207-18..
- Gilley P* and Sharma A (2010) Functional brain dynamics of evoked and event-related potentials from the central auditory system. *Hearing and Hearing Disorders: Research and Diagnostics*. 2010; 14: 12 - 20.
- Sharma, A, Nash A* and Dorman A (2009) Cortical development, plasticity and re-organization in children with cochlear implants. *J Commun Disord*. Jul-Aug;42(4):272-9.
- Le Bel R*, Pineda J and Sharma A (2009). Motor, Motor-Auditory-Visual Integration: The Role of the Human Mirror Neuron System in Communication and Communication Disorders. 2009 *J Commun Disord* Jul-Aug;42(4):299-304.

- Gilley PM*, Sharma A, and Dorman MF (2008) Cortical reorganization in children with cochlear implants. *Brain Research* 1239, 56-65. 2008.
- King K*, Campbell J*, Sharma A, Martin K, Dorman M, Langran J*. (2008) Representation of VOT in cortical auditory evoked response of young children. *Clin. Neurophys.* 119(12) 2855-61. 2008.
- Nash, A*., Sharma, A., Martin, K., and Biever, A. (2008). Clinical applications of the P1 cortical auditory evoked potential (CAEP) biomarker. A Sound Foundation Through Early Amplification: Proceedings of a Fourth International Conference. Chicago, IL.
- Sharma A, Gilley PM*, Dorman MF, Baldwin R. (2007) Deprivation-induced cortical reorganization in children with cochlear implants. *Int J Audiol.* 46(9):494-9, 2007
- Sharma A, Gilley PM*, Martin K, Roland P, Bauer, P and Dorman M. (2007) Simultaneous vs. sequential bilateral implantation in young children: Effects of central auditory system development and plasticity. *Audiological Medicine* Vol 4 (5) 218-223, 2007
- Dorman MF, Sharma A, Gilley P*, Martin K, Roland P. (2007) Central auditory development: evidence from CAEP measurements in children fit with cochlear implants. *J Commun Disord.* 2007 Jul-Aug;40(4):284-94. 2007
- Bauer P, Sharma A, Martin K and Dorman M. (2006) Central auditory development in children with bilateral cochlear implants. *Archives of Otolaryngology Head and Neck Surgery*, Vol 132, 2006
- Gilley PM*, Sharma A, Dorman M and Martin K. (2006) Abnormalities in central auditory maturation in children with language-based learning disabilities. *Clin. Neurophysiol.* 117 (9): 1949-56, 2006
- Gilley PM*, Sharma A, Dorman M, Finley CC, Panch AS and Martin K. (2006) Minimization of cochlear implant stimulus artifact in cortical auditory evoked potentials. *Clin. Neurophysiol.* 117(8):1772-82, 2006
- Sharma, A and Dorman M. (2006) Central auditory development in children with cochlear implants: clinical implications. *Adv Otorhinolaryngol.* 64:66-88, 2006
- Sharma, A, Martin K, Roland, P, Bauer, P, Sweeny, M, Gilley, P* and Dorman M (2005). P1 latency as a biomarker for central auditory development in children with hearing impairment. *Journal of the American Academy of Audiology* , 16: 568-577, 2005
- Sharma, A, Dorman M and Kral A (2005). The influence of a sensitive period on central auditory development in children with unilateral and bilateral cochlear implants. *Hearing Research*, 203,134-143, 2005
- Gilley, P*, Sharma, A, Dorman M and Martin K (2005). Developmental changes in refractoriness of the cortical auditory evoked potential. *Clinical Neurophysiology*, 116(3), 648-657, 2005
- Sharma, A, Tobey E, Dorman M, Martin K, Gilley P* and Kunkel F (2004). Central auditory maturation and babbling development in infants with cochlear implants *Archives of Otolaryngology-Head and Neck Surgery* Vol 130 (5) 511-6, 2004
- Sharma A, Dorman M and Spahr A* (2002). A sensitive period for the development of the central auditory system in children with cochlear implants: Implications for age of implantation. *Ear and Hearing* Vol 23 (6), 532-539, 2002
- Sharma A, Dorman M and Spahr A* (2002). Rapid development of cortical auditory evoked potentials after early cochlear implantation. *NeuroReport*, Vol 13 (10), 1-4, 2002.

- Sharma A, Dorman M, Spahr A* and Todd N. Early cochlear implantation allows for normal development of cortical auditory pathways. *Annals of Otolaryngology, Rhinology and Laryngology*, Vol 111 (5), 38-41, 2002.
- Sharma, A and Dorman, M. The effect of age of cochlear implantation on the development of the central auditory pathways. *Perspectives on Hearing and Hearing Disorders: Research and Diagnostics*. Vol 6 (2), 2002
- Sharma A, Marsh C* and Dorman M (2000). Relationship between N1 evoked potential morphology and perception of voice-onset-time. *Journal of the Acoustical Society of America*, 108 (6), 3030-3035, 2000.
- Sharma A and Dorman M (2000). Neurophysiologic correlates of cross-language phonetic perception. *Journal of the Acoustical Society of America* 107(5), 2697-2703, 2000.
- Sharma A and Dorman M (1999). Cortical Auditory evoked potential correlates of categorical perception of voice-onset time. *Journal of the Acoustical Society of America*, 106 (2), 1078-1083, 1999.
- Sharma A and Dorman M (1998). Exploration of the perceptual magnet effect using the mismatch negativity event-related potential. *Journal of the Acoustical Society of America*, 104, 511-517, 1998.
- Sharma A, Kraus N, McGee T & Nicol T (1997). Developmental changes in P1 & N1 auditory responses elicited by consonant-vowel syllables. *Electroencephalography and Clinical Neurophysiology*, 104, 540-545, 1997.
- Kraus N, McGee T, Carrell T, Sharma A. Neurophysiologic bases of speech discrimination. Ear and Hearing Special Issue, eds: Naatanen R and Kraus N. Williams and Wilkins: Baltimore 1995.
- Sharma A, Kraus N, McGee T, Carrell T, Nicol T (1993). Acoustic vs. phonetic representation of speech stimuli as reflected by the mismatch negativity event-related potential. *Electroencephalography and Clinical Neurophysiology*, 88, 64-71, 1993.
- Micco A, Kraus N, Koch D, McGee T, Carrell T, Sharma A, Nicol T and Wiet R (1995). Speech-evoked cognitive P300 potentials in cochlear-implant recipients. *American Journal of Otolaryngology* 16, 514-20, 1995.
- Kraus N, McGee T, Carrell T, Sharma A, Nicol T. Mismatch negativity to speech stimuli in school-age children. *Perspectives of Event-Related Potentials Research (EEG Suppl. 44)*, eds: Karmos G, Molnar M, Csepe V, Czigler I and Desmedt J. Elsevier: Amsterdam 1994.
- Kraus N, McGee T, Micco A, Sharma A, Carrell T, Nicol T (1993). Mismatch negativity in school-age children to speech stimuli that are just perceptibly different. *Electroencephalography and Clinical Neurophysiology*, 88, 123-130, 1993.
- Kraus N, Micco A, Koch D, McGee T, Carrell T, Sharma A, Wiet R, Weingarten C (1993). The mismatch negativity cortical evoked potential elicited by speech in cochlear-implant users. *Hearing Research*, 65, 118-124, 1993.
- Kraus N, McGee T, Carrell T, Sharma A, Micco A, Nicol T. Speech-evoked cortical evoked potentials (1993). *Journal of the American Academy of Audiology*, 4, 238-248, 1993.
- Kraus N, McGee T, Carrell T, Ferre J, Hoepfner J, Sharma A, Nicol T (1993). Mismatch negativity in the neurophysiologic/behavioral evaluation of central auditory processing deficits: A case study. *Ear and Hearing*, 14, 223-234, 1993.
- Kraus N, McGee T, Sharma A, Carrell T, Nicol T (1992). Mismatch negativity event-related potential elicited by speech stimuli. *Ear and Hearing*, 13, 158-164, 1992.

OTHER PUBLICATIONS

Sharma A and Nash A* (2009) Brain maturation in children with cochlear implants. Invited feature in the *ASHA leader* publication of the American Speech Language Hearing Association.

Sharma A and Dorman M. (2007) Developing a clinical biomarker of central auditory maturation: Case Study. Short Course Presentation of the *Association of Research In Otolaryngology*. Pg 29. Translational Research In Otolaryngology, Association for Research in Otolaryngology. Denver, CO, February.

Sharma A and Dorman M. (2005) The clinical use of P1 latency as a biomarker for assessment of central auditory development in children with Hearing Impairment. Invited feature in *Audiology Today* (17)3, 18-19.

SELECTED INVITED PRESENTATIONS (SINCE 2000)

XVII Congress of the Italian Society of Neonatology, Sorrento, Italy Oct, 11-14th, 2011

Fourth Pediatric Conference, Phonak, Istanbul, Turkey Nov 14-15 2011

First International Conference on Cognitive Hearing Science June 19- 22, Linkoping, Sweden.

Xth European Symposium on Pediatric Cochlear Implantation, May 12-15, 2011 Athens Greece.

Conference of the Brazilian Speech Language and Hearing Association. April 18-19, 2011

Minnesota Early Hearing Detection and Intervention Conference March 6, 2011

Pediatric Audiology Conference, Medical University of South Carolina, March 9, 2011

Ultimate Mid-Winter Otolaryngology and Audiology Meeting. Vail, February 15, 2011

Keynote Address. International Conference on Newborn Hearing Screening, Lake Como, Italy June 8-10, 2010.

Keynote Address, Ted Evans lecture at the British Society of Audiology September 9, 2010, Manchester, U.K.

Keynote Address. Starkey Pediatric Conference, Minneapolis, Sept 25th 2010.

Cross-modal plasticity symposium at the Forum on European Neurosciences (FENS) Amsterdam, Netherlands, July 7-10, 2010. (*There was a press conference on our research symposium presentation at this conference*).

International Conference on Hearing Aids (IHCON) Lake Tahoe August 11-14, 2010.

Controversial Issues in Audiology Conference. New York Eye and Ear March 5, 2010.

Phonak Pediatric Conference, Stuttgart, Germany April 24, 2010

Widex Pediatric Conference, Dubai, UAE May 12-14, 2010.

Advanced Cochlear Implant Course at the University of Colorado at Denver Health Sciences Center May 24th, 2010

Marion Downs Hearing Center Symposium July 22, Denver, Co 2010.

Minnesota Dept. of Health Conference Sept 24th 2010.

Recent Advances in Pediatric Audiology (RAPA) London, March 2010

Ultimate Mid-Winter Otolaryngology and Audiology Meeting. Vail, January 2010

Colloquium at the Institute for Cognitive Science, University of Colorado at Boulder, Nov 12, 2010.

Ultimate Colorado Mid Winter Meeting in Otolaryngology, Vail, Feb 2009

Soundwave symposium. Rady Children's Hospital. San Diego Feb 2009.

Keynote Address. Audiology Symposium of the International Society of Acoustics, Logopedics and Phoniatics, Cairo, Egypt March 2009.

Bilateral Cochlear Implant Conference. Bordeaux, France April 2009

Sounds+ conference, Halifax, Canada, June 2009

Keynote Presentation: Cross-modal plasticity in children with cochlear implants. Rovereto workshop on cross-modal plasticity. Rovereto, Italy 2009

ENT department conference, Rovereto Hospital. August 2009

Research Advances and Their Impact On Public Policy, Clinical Practice and Education" Louisville, KY Oct, 2009.

American Speech Language Hearing Association Annual Convention, New Orleans, LA, Nov 2009.

Colloquium speaker, Dept. of Neuroscience, University of Colorado at Denver Health Sciences Center 2009.

Webinar on Central Auditory Development and Plasticity for Audiology Online 2009.

Keynote Address at the National Early Hearing Detection Intervention Conference (EHDI), New Orleans, Feb 2008.

Ultimate Mid-Winter Meeting in Otolaryngology and Audiology, Vail, Feb 2008.

Special session on cross-modal plasticity in children with cochlear implants at the International Multisensory Research Forum (IMRF), Hamburg, Germany, July 2008.

Keynote Address at the Florida Speech Language Hearing Association St. Augustine, August, 2008.

Cochlear Implant Conference. Children's Hospital of Philadelphia, October 2008.

Featured Session at the American Academy of Audiology, Charlotte, NC, 2008.

NIDCD sponsored research symposium at the American Speech Language Hearing Association Conference, Chicago, Oct, 2008.

Ultimate Mid Winter Otolaryngology and Audiology Meeting Jan 28-Feb 1, 2007

Translational Research In Otolaryngology, Association for Research in Otolaryngology. Denver, CO, February 2007

Marion Downs Hearing Center Symposium, Breckenridge, April 17th 2007

American Academy of Audiology, NAFDA Symposium, Denver, April 18th 2007

American Academy of Audiology webinar May 16th 2007

Keynote Address: Talks of a Lifetime Summer Conference, Research and Application in Neurodevelopmental Research, Alexander Graham Bell Association for Deaf and Hearing Impaired, July 27-28, 2007

Future of Cochlear Implants meeting, Univ. of Texas Southwestern Medical Center, Aug. 17th 2007

Keynote Address, British Society of Audiology, Birmingham, U.K. Sept 14th 2007

British Society of Audiology, pre-conference workshop, Sept 13th 2007

Nordic Audiology College, Sweden, Sept, 27th, 2007

Rikshospital, Oslo, Norway-Dept. of Otolaryngology, Host Sten Harris, MD, PhD Sept. 2007

Symposium on Plasticity and Development of the Central Auditory Pathways, New York University Medical Center 2007

Mayo Clinic Audiology Teleconference 2007

International Pediatric Conference, A Sound Foundation through Early Amplification, Dec 6, 2007

Hugh Knowles Lecture Series, Northwestern University Colloquium, Dec 7th 2007

- Cochlear Corporation Investigators Meeting for Future Generation Cochlear Implants, Seattle, WA, 2006.
- Colloquium at the Institute of Cognitive Science at University of Colorado at Boulder. 2006 Spoken Language Development in Children with Cochlear Implants". Symposia on Pediatric Medical Research , Nemours Hospital System, Wilmington, DE, October, 2006
- Advances in central auditory processing conference. 9th Annual Pediatric Audiology Workshop, Tucson, March, 2006
- Rhode Island Hearing Assessment Project Conference. March 2006.
- Issues in Pediatric Audiology, Beth Israel Hospital, New York. January 2006.
- National Academy of Science/Keck Futures Initiative: Smart Prosthetics: Exploring assistive devices for the body and mind. November, 2006.
- NIDCD Research Symposium. Annual meeting of the American Speech, Language and Hearing Association. November, 2006.
- Keynote Address* British Academy of Audiology Convention. Torquay, England, December 2005
- Keynote Address* Marion Downs Inaugural Lecture Series. American Academy of Audiology. Washington DC, April 2005
- European Federation of Audiology Societies Congress, Gothenberg Sweden, June 2005
- Special Session at the Society for Research in Child Development Meeting. Atlanta, April 2005
- Indianapolis University School of Medicine Colloquium, Indianapolis, 2004.
- Featured Session at the International Conference on Newborn Hearing Screening, Lake Como, Italy 2004
- Featured Session at the International Congress of Audiology, Phoenix, 2004
- Scuola Internazionale Superiore di Studi Avanzati. Trieste, Italy, 2004 Host. Prof. Jacques Mahler
- J.W. Goethe University Institute of Sensory Physiology and Neurophysiology, Frankfurt, 2004 Host: Prof. Dr. Andrej Kral.
- Conference on Implantable Auditory Prostheses. Asilomar, CA, 2003.
- Conference on Implantable Auditory Prostheses, Asilomar, CA, 2001

SELECTED RESEARCH ABSTRACTS (SINCE 2000)

- Sharma A, Dorman M, Martin K, Nash A, Gilley P and Campbell J. A sensitive period for sequential bilateral implantation. Poster presented at the Association for Research in Otolaryngology (ARO) conference, Anaheim, CA, Feb 2010. (*This poster was part of the NIDCD press release at the ARO conference*).
- Sharma A, Cardon G, Nash A, Gilley P and Martin K. Central auditory maturation in children with auditory neuropathy/dys-synchrony. Poster presented at the Association for Research in Otolaryngology (ARO) conference, Anaheim, CA, Feb 2010.
- Campbell J, King K and Sharma A. Cortical representation of VOT in Children. International Conference on Newborn Hearing Screening, Lake Como, Italy, May 2008
- Cardon, Sharma and Martin. Cortical maturation in children with Auditory Neuropathy. American Academy of Audiology, April 2008
- Campbell, J., Sharma, A. VOT representation at the Cortex in Children. Presentation at the Rocky Mountain Neuroscience Conference, Denver 2008 (*this presentation was awarded a student research award to Julia Campbell*)

- Sharma et al., Bilateral Cochlear Implantation in Children. 10th International Conference on Cochlear Implant, April, 2008
- Gilley, Sharma and Dorman. Auditory-Visual Perception in Children with Cochlear Implants Association for Research in Otolaryngology, 2007
- Sharma A, Gilley P, Martin, K and Dorman M, Cortical Re-organization in children with cochlear implants. International Conference on Pediatric Cochlear Implantation, Charlotte, NC, April 2007
- Martin K, Sharma A, Roland P, Peters R, Gilley P. Central auditory development in children with bilateral cochlear implants. . International Conference on Pediatric Cochlear Implantation, Charlotte, NC, April 2007
- Sharma A and Dorman M. A sensitive period for the development for the central auditory system. *International Conference on Infant Studies*. Kyoto, Japan, June 2006.
- Gilley PM, Sharma A, Mitchell T, and Dorman M. Auditory-Visual Integration in Children with Cochlear Implants. Cognitive Neuroscience Society, San Francisco, 2006.
- Sharma A. Dorman M. Martin K. Roland P, Bauer, P and Gilley P. Central auditory development and plasticity in children with cochlear implants. 10th Symposium on Cochlear Implants in Children, Dallas, Texas March 15-19, 2005.
- Martin K, Sharma A, Dorman M, Roland P, Bauer, P, Sweeney M, and Gilley P. Cortical Maturation in Children with Auditory Neuropathy (AN) after Cochlear Implantation. 10th Symposium on Cochlear Implants in Children, Dallas, Texas March 15-19, 2005.
- Bauer P, Martin K, Sharma A and Roland P. Central auditory development in children with bilateral cochlear implants. 10th Symposium on Cochlear Implants in Children, Dallas, Texas March 15-19, 2005.
- Gilley P. Sharma A, Finley C, Dorman M, Panchalam A. Minimizing the artifact in CAEP recordings from cochlear implanted children. 10th Symposium on Cochlear Implants in Children, Dallas, Texas March 15-19, 2005.
- Sharma A, Dorman M, Martin K and Gilley P. Central auditory development in children with bilateral cochlear implants. Association for Research in Otolaryngology Meeting. New Orleans, February 2005
- Sharma, A. Dorman, M, Martin, K, Gilley, P and Wilson, P. CAEP latencies provide an objective tool to assess cochlear implant candidacy. VIIIth International Cochlear Implant Conference, Indiana, Indianapolis May, 2004.
- Gilley, P, Sharma, A, Dorman M, Todd N.W., Martin K and Fainberg J. Assessing development of the auditory system in normal hearing children and children with cochlear implants by use of a stimulus train with decreasing interstimulus intervals. Association for research in Otolaryngology, Florida, February 2004.
- Sharma, A, Dorman, M, Todd NW, Martin, K, Fainberg J, Gilley P, Martin K and Spahr A. Central auditory system development and plasticity in children with cochlear implants who are implanted later in childhood. American Otological Society, Nashville, Tennessee, May 2003.
- Sharma A, Dorman, M, Todd NW, Martin, K, Fainberg J, Gilley P, Martin K and Spahr A Age of cochlear implantation affects central auditory development. American Academy of Audiology, San Antonio, Tx, April 2003.
- Sharma A, Dorman M, Martin K and Gilley P and Spahr A. Relationship between central auditory development and speech perception ability in cochlear implanted children. 9th Symposium on Cochlear Implants in Children. Washington DC, April 2003

- Sharma, A, Dorman M, Todd N, Gilley P, Fainberg J and Martin K. Central Auditory System Development in Children with Hearing Impairment. Association for research in Otolaryngology, Florida, February 2003.
- Sharma, A, Dorman, M, Todd NW, Martin, K, Fainberg J, Gilley P, Martin K and Spahr A. A sensitive period for the Development of the Central Auditory System in Children with Cochlear Implants. Association for research in Otolaryngology, Florida, February 2003.
- Sharma, A Dorman M, Spahr and Todd W. Functional maturation of the Human Central Auditory System following Cochlear Implantation. 7th International Cochlear Implant Conference, Manchester, U.K., August 2002.
- Sharma, A Dorman M, Spahr and Todd W. Development and Plasticity of the Human Central Auditory System in Children with Cochlear Implants: Implications for Age of Implantation 2nd International Conference on Newborn Hearing Screening: Diagnosis and Intervention. Milan, Italy, May 2002.
- Sharma A, Dorman M, Spahr T, Tobey E and Todd W. Central Auditory System Development and Plasticity in Implanted Children. 6th European Symposium on Paediatric Cochlear Implantation. Spain, February 2002
- Sharma, A Dorman M, Spahr and Todd W. The Timecourse of Development and Plasticity of the Human Central Auditory System in the Presence of Auditory Deprivation. *Association for research in Otolaryngology*, St. Petersburg, FL, 2002.
- Sharma A, Dorman M, Spahr A, Todd N W and Emily Tobey. The effect of auditory deprivation on the plasticity and development of human central auditory pathways. Second International Symposium on Objective Measures in Cochlear Implantation. Lyon, France, March 2001
- Sharma A, Dorman M, Spahr A, Todd N W and Emily Tobey. Effect of early cochlear implantation on normal development of cortical pathways. Eighth Symposium on Cochlear Implants in Children. House Ear Insitute, Los Angeles, CA, February 2001.
- Sharma A, Dorman M and Spahr A. Early cochlear implantation allows for normal development of cortical auditory pathways. International Symposium on Pediatric Cochlear Implantation. Antwerp, Belgium, June 2000.

TEACHING

University of Colorado at Boulder

2007-present: Graduate Course: Auditory Processes: Neurodiagnostics and Auditory Processes: Child Assesment.

Summer 2007: Doctoral Seminar: Advanced Electrophysiology

Fall 2007: Graduate Course: Auditory Processes: Child Assessment.

The University of Texas at Dallas

Spring 2002 Doctoral seminar in central auditory system plasticity

Fall 2002-2005 Graduate Course: Auditory Processing Disorders

Spring 2003-2006 Graduate Course: Clinical Electrophysiology

Arizona State University

1995-2001, Pediatric Audiology

1996-2001 Auditory Evoked Potentials
1995-2001 Introduction to Hearing Disorders (undergraduate course)

STUDENT DISSERTATION AND THESIS ADVISING

2007-present: Committee Chair for Julia Campbell, Ph.D student in SLHS and Cognitive Neuroscience
2008-present: Committee Chair for Garrett Cardon, Ph.D student in SLHS and Cognitive Neuroscience
2007-present: Committee Chair for Amy Nash, PhD student in SLHS
2008-2010: Dissertation Committee member for Jamie Bogle, Dissertation title: The Effect of Cochlear Implantation on the Vestibular Evoked Myogenic Potential Response in Children and Adult Participants.
SLHS (defended 2010)
2008-2010: Dissertation Committee member for Tammy Fredricksen, Dissertation Title: Visual Reinforcement Infant Speech Discrimination: Developing a Method of Performance Analysis.
SLHS (defended 2010)
2009: Dissertation Committee member for Anson Whitmer, Psychology (defended 2009)
2009: Dissertation Committee member for Christopher de Lauro, Psychology (defended 2009)
2009-present: Dissertation Committee member for Heath Jones, Neuroscience UCDHSC
2002-2006: Committee Chair for Phillip Gilley. Dissertation title: Effects of sensory deprivation on re-organization of the central auditory pathways (defended 2006). University of Texas at Dallas. *Currently Dr. Gilley is an Assistant Professor at University of Colorado.*
2002-2005 UTD Committee Chair (Co-mentor) for Yael Arabel. Dissertation title: Error processing in children with SLI: An ERP study (defended 2005). The University of Texas at Dallas. *Currently Dr. Arbel is Assistant Professor at University of South Florida.*
1998-1999: Committee Chair for Catherine Marsh: Master's thesis title: Cortical evoked potential correlates of voice-onset time (defended 1999). Arizona State University.
2000-2001: Committee Chair for Anthony J. Spahr: Master's thesis title: Effect of auditory deprivation on EABR in congenitally deaf children (defended 2001). Arizona State University. *Currently Dr. Spahr is a faculty research associate at Arizona State University.*
2003-2004: Committee member for Paul Dybala: Dissertation Title: Modification of the HINT in evaluating Amplification for listeners with high frequency hearing loss (defended 2004). The University of Texas at Dallas.
2004-2006: Committee member for Cherie Percaccio. Dissertation Title: Effect of environmental enrichment on auditory cortical neurons. (defended 2006). The University of Texas at Dallas.

GRANT REVIEW ACTIVITIES

NATIONAL INSTITUTES OF HEALTH (NIH) NIDCD AD-HOC STUDY SECTION REVIEW

2000 Small Business Innovation Review (SBIR) Study Section Member
2003 Special Emphasis Panel Study Section for Training and Conference Grants Member
2003 Special Review Panel for Identification and Classification of Childhood Speech-Sound Acquisition Disorders of Unknown Origin
2004 Special Emphasis Panel Study Section for Training, Career Development and Conference Grants Member
2004 Special Emphasis Panel Study Section for Training and Conference Grants Member
2004 Small Grant Review Panel Member
2005 Special Emphasis Panel Study Section for Training and Conference Grants Member
2005 Special Review Panel for Translational Research Grants
2006 AUD study section, Ad Hoc member
2007, 2008, 2009, 2010, 2011 Loan repayment program
2008, 2009, 2010 Communication Disorders Review Committee (CDRC), Ad-Hoc member.
2011-Permanent member of CDRC study section 2011-2017

OTHER GRANT REVIEW

2007 European Union Research Organization Young Investigator Award Review for the Academy of Finland and Research Council for Natural Sciences and Engineering.
2007 Innovative grant review panel. University of Colorado at Boulder
2008 Rappaport Institute of Medical Sciences, Israel.
2008 Ontario Ministry of Research and Innovation, Ontario Research Fund, Research Excellence, Canada.
2010 Medical Research Council (MRC) in the United Kingdom
2010 National Science Foundation (NSF)
2009-2010 Innovative Seed Grants, University of Colorado at Boulder

EDITORIAL SERVICE

2002-2003 Guest Section Editor, *Ear and Hearing*
2007 Guest Editor for Special Issue on Central Auditory System Plasticity and Development for the *International Journal of Audiology*.

SELECTED AD-HOC MANUSCRIPT REVIEW

Cerebral Cortex
Hearing Research
Psychological Review
Perception and Psychophysics
Brain
Journal of the Acoustical Society of America
Psychophysiology
Ear and Hearing

Electroencephalography and Clinical Neurophysiology
Journal of Cognitive Neuroscience
Journal of Speech Language and Hearing Research
International Journal of Audiology
Neuropsychologia

ADMINISTRATIVE ACTIVITIES

International Professional Organizations

A United States Representative to the Audiology Committee of the International Association of Phoniatics and Logopedics (IALP).

University/Departmental Level

Chair, Personnel Committee for Tenure and Promotion, College of Arts and Sciences, University of Colorado at Boulder 2011-2012

Associate Chair, Personnel Committee for Tenure and Promotion, College of Arts and Sciences, University of Colorado at Boulder 2010-2011.

Member, Executive committee of the Institute of Cognitive Science, University of Colorado at Boulder 2008-2009

Chair, Curriculum committee, SLHS Dept. University of Colorado at Boulder, 2008-2010

Co-Chair, Merit Review Committee, Speech Language and Hearing Science, University of Colorado at Boulder, 2008-2009

Chair, Doctorate of Audiology (Au.D.) Committee, Speech Language and Hearing Science, University of Colorado at Boulder, 2006-2008; 2010-2011

Member, Ph.D and non-clinical M.A admissions committee, Speech Language and Hearing Science

University of Colorado at Boulder, 2006-2008; 2010-2011

Member, Executive Committee, Speech Language and Hearing Science, University of Colorado at Boulder, 2006-2008

Chair, Long Range Planning Committee, School of Behavioral and Brain Sciences, University of Texas at Dallas, 2002- 2006.

Chair, Graduate Admissions Committee, Communication Sciences, University of Texas at Dallas, 2003-2005

Co-chair, Formative Assessment Committee, Au.D. Program, The University of Texas at Dallas, 2005-2006

Faculty Executive Committee, School of Behavioral and Brain Sciences, University of Texas at Dallas 2003-2006.

Institutional Review Board Committee, University of Texas at Dallas, 2003-2004

Graduate Studies Committee, School of Behavioral and Brain Sciences, University of Texas at Dallas 2004-2006

Undergraduate Advisor, Speech and Hearing Science, Arizona State University, 2000-2001

Curriculum Committee, Speech and Hearing Science, Arizona State University, 1995-1998

Ad Hoc Committee to develop Professional Doctorate in Audiology, Arizona State University, 1997.

Anu Sharma, Ph.D.

Affirmative Action Committee, Arizona State University, 1995-2000

Admissions Committee, Department of Speech and Hearing Science, Arizona State University,
1998-2000

PROFESSIONAL MEMBERSHIPS

Society for Neuroscience

Association for Research in Otolaryngology

American Speech Language Hearing Association