

**Julia Dee Campbell, Ph.D, Au.D, CCC-A, F-AAA
VITA**

Current Position

August 2015-Present Assistant Professor, Department of Communication Sciences and Disorders, The University of Texas at Austin
PI, Central Sensory Processes Laboratory

Educational Background

May 2015 Combined Triple Ph.D in Speech, Language and Hearing Sciences, Behavioral Neuroscience, and Cognitive Neuroscience, University of Colorado at Boulder
December 2009 Clinical Doctorate of Audiology (Au.D), University of Colorado at Boulder
May 2005 Bachelor of Arts, Psychology, University of Colorado at Boulder

Clinical and Research Background

2015-Present Licensed by the State of Texas in Audiology
2010-Present Certificate of Clinical Competence by the American Speech Language-Hearing Association in Audiology (CCC-A)
2009-2015 Laboratory Manager, Brain and Behavior Laboratory, University of Colorado at Boulder
2007-2015 Research Assistant/Audiologist performing routine audiological testing and cortical auditory evoked potential assessment for children and adults with hearing loss, including cochlear-implanted children, Brain and Behavior Laboratory, University of Colorado at Boulder
2008-2009 Audiology Graduate Externship at the University of Colorado at Denver Health Sciences Center and Hospital

Extramural Funding

Campbell, J. (2016, July). Auditory gating in tinnitus. Hearing Health Foundation and Les Paul Foundation. Funding Period: 7/2016-7/2017.

Campbell, J. (2016, February). Auditory gating in tinnitus. Lear Ashmore Research Endowment Fund, Texas Speech-Language-Hearing Foundation. Funding Period: 3/2016-7/2017.

Campbell, J. (2011, November). Cross-modal re-organization in children with cochlear implants. F-31 Ruth L. Kirchstein NRSA, National Institute on Deafness and Other Communication Disorders (National Institutes of Health). Sponsor: Anu Sharma, Ph.D, Co-Sponsor: Teresa Mitchell, Ph.D. Funding Period: 2012-2014.

Intramural Funding

Campbell, J. (2016, December). Auditory Gating in Tinnitus. University of Texas at Austin Summer Research Assignment Grant. Funding Period: 6/2017-7/2017.

Campbell, J. (2015, December). Visual Evoked Potential Patterns and the Development of Visual Learning. University of Texas at Austin Special Research Grant. Funding Period: 11/2015-8/2016.

Campbell, J. (2015, November). Visual evoked potential patterns and the development of visual learning. University of Texas at Austin Moody College of Communication Grant Preparation Award. Funding Period: 11/2015-8/2016.

Awards and Honors

ASHA Meritorious Poster Award for Glick, H., **Campbell, J.**, Sharma, A., Zeitler, D., Torres, J., & Dorman, M. *Cortical neuroplasticity in adults and children with single-sided deafness*. Poster session at the annual American Speech-Language-Hearing Association conference, Denver, CO. Fall 2015.

University of Colorado at Boulder Speech, Language, and Hearing Sciences Department Outstanding Doctoral Research Award, Spring 2013

Resident and Graduate Student Poster Session Award, American Auditory Society (This funding is provided through the National Institute of Deafness and Other Communication Disorders). Annual meeting of The American Auditory Society, Scottsdale, AZ, Spring 2012.

American Academy of Audiology/American Academy of Audiology Foundation Research Grants Program, Student Investigator Research Grant, 2012

First Recipient of Council of Academic Programs for Communication Sciences & Disorders (CAPCSD) Plural Publishing Doctoral Research Award, 2011

American Speech Language Hearing Association (ASHA) Foundation New Century Scholars Award, 2010

Scientific Publications

Campbell, J., & Sharma, A. (2016). *Distinct visual evoked potential morphological patterns for apparent motion processing in school-aged children*. *Frontiers in Human Neuroscience*, 10(277): 1-14.

Campbell, J., & Sharma, A. (2016). *Visual cross-modal re-organization in children with cochlear implants*. *PLoS ONE*, 11(1): e0147793.

Sharma, A., Glick, H., **Campbell, J.**, Torres, J., Dorman, M., & Zeitler, D. (2016). *Cortical plasticity and re-organization in pediatric single-sided deafness pre- and post- cochlear implantation: A case study*. *Otology and Neurotology*, 37(2): e26 e34.

- Sharma, A., **Campbell, J.**, & Cardon, G. (2015). *Developmental and compensatory plasticity in deafness: evidence from the P1 and N1 Cortical Auditory Evoked Potential in cochlear implanted children*. *International Journal of Psychophysiology*, 95(2): 135-144.
- Campbell, J.**, & Sharma, A. (2014). *Cross-modal re-organization in adults with early stage hearing loss*. *PLoS ONE*, 9(2): e90594.
- Campbell, J.**, & Sharma, A. (2013). *Compensatory cortical re-organization in adults with hearing loss*. *Frontiers in Systems Neuroscience*, 7:71.
- Sharma, A., Glick, H., **Campbell, J.**, & Biever, A. (2013). *Central auditory development in children with hearing loss: Clinical relevance of the P1 CAEP biomarker in children with multiple disabilities*. *Hearing, Balance, and Communication*, 11(3): 1-11.
- Cardon, G., **Campbell, J.**, & Sharma, A. (2012). *Plasticity in the developing auditory brain: evidence from children with sensorineural hearing loss and auditory neuropathy spectrum disorder*. *Journal of the American Academy of Audiology*, 23(6):396-411.
- Campbell, J.**, Cardon, G., & Sharma, A. (2011). *Clinical application of the cortical auditory evoked potential P1 biomarker in children with sensorineural hearing loss and auditory neuropathy spectrum disorder*. *Seminars in Hearing*, 32:147-155.
- Sharma, A. & **Campbell, J.** (2011). *A sensitive period for cochlear implantation in deaf children*. *The Journal of Maternal-Fetal & Neonatal Medicine*. 24:151-153.
- Roland, P., Bauer, P., Booth, T., Martin, K., **Campbell, J.**, & Sharma, A. (2011). *Assessment of cochlear implant candidacy in patients with cochlear nerve deficiency using the P1 CAEP biomarker*. *Cochlear Implants International*, 12(2):1-9.
- King, K., **Campbell J.**, Sharma, A., Martin, K., Dorman, M., & Langran, J. (2008) *Representation of voice onset time in the cortical auditory evoked potentials of young children*. *Clinical Neurophysiology*, 119(12):2855-61. **Note: First and second authors contributed equally. **Reviewed by Dr. Jean Francois Demonet, editor of BMC Neurology, in Faculty of 1000 Medicine. See Faculty of 1000 Medicine: evaluations for King KA et al. Clin Neurophysiol 2008 Nov 1.**

Other Research Publications

- Campbell, J.** & Sharma, A. (2011). *The P1 CAEP biomarker: A case report*. *Proceedings of the 10th European Symposium on Paediatric Cochlear Implantation*, 297-302.
- Campbell, J.** & Sharma, A. (2010). *An objective measure of central auditory development in hearing impaired infants: Clinical implications*. *American Speech-Language-Hearing Association Kiran: Publication of the Asian-Indian Caucus*, Issue 2010:4-7.

Manuscripts in Preparation

- Campbell, J.**, & Sharma, A. (In preparation). *Visual cross-modal re-organization in adults as a function of hearing loss severity*.

Research Presentations

Invited

Campbell, J., Sharma, A., & Cardon, G. (2011, March). *Clinical biomarkers of cortical plasticity in children with hearing loss*. Oral presentation at Tripler Army Medical Center, Honolulu, HI.

Research Presentations

Oral

Sharma, A., **Campbell, J.**, & Cardon, G. (August 2014). *Changes in cortical resource allocation in age-related hearing loss*. Oral Presentation at the annual International Conference on Hearing Aids (IHCON), Lake Tahoe, CA.

Sharma, A. & **Campbell, J.** (2012, January). *Central auditory development and plasticity in children with cochlear implants*. Oral presentation at Action Connaissance Formation pour la Surdit  (ACFOS) meeting, Paris, France.

Campbell, J. (2011, December). *Honey, turn up the TV! Hearing loss and the adult brain*. Oral presentation at Front Range Neuroscience Meeting, Fort Collins, CO.

Campbell, J. & Sharma, A. (2010, November). Cortical re-organization and crossmodal plasticity in auditory deprivation. Oral presentation at 2010 annual American Speech-Language-Hearing Association conference, Philadelphia, PA.

Campbell, J. & Sharma, A. (2008, October). The Clinical applications of cortical evoked potentials. Oral presentation at the 2008 annual Alaska Speech, Language and Hearing Association meeting.

Campbell, J., Agung, K., & Sharma, A. (2008, June). Representation of voice onset time in the cortical auditory evoked potentials in young children. Oral presentation at The Rocky Mountain Neuroscience Group Regional Meeting, Denver, CO.

Research Presentations

Posters

Glick, H., **Campbell, J.**, Sharma, A., Zeitler, D., Torres, J., & Dorman, M. (2015, November). *Cortical neuroplasticity in adults and children with single-sided deafness*. Poster session at the annual American Speech-Language-Hearing Association conference, Denver, CO. ****Designated as a Meritorious Poster Submission**

Campbell, J., Durkee, L., & Sharma, A. (2014, April). *Visual cross-modal reorganization in adults with hearing loss*. Poster session at the annual Cognitive Neuroscience Society meeting, Boston, MA.

Durkee, L., Glick, H., **Campbell, J.**, Peterson, J., & Sharma, A. (2014, April). *Compensatory changes in cortical resource allocation and auditory sensory gating in early stage hearing loss*. Poster session at the annual Cognitive Neuroscience Society meeting, Boston, MA.

Campbell, J., Durkee, L., & Sharma, A. (2013, November). *Cross-modal reorganization in adults with early-stage hearing loss*. Poster session at the annual Society for Neuroscience meeting, San Diego, CA.

- Peterson, J., Durkee, L., **Campbell, J.**, & Sharma, A. (2013, October). *Cortical responses in a sensory gating paradigm*. Poster session at the annual Colorado Academy of Audiology meeting, Keystone, CO.
- Campbell, J.**, Durkee, L., Sharma, A. (2012, March). *Cross-modal re-organization in adults with hearing impairment*. Poster session at the annual American Auditory Society meeting, Scottsdale, AZ.
- Campbell, J.**, Durkee, L., Sharma, A. (2011, December). *Cross-modal neuroplasticity in hearing loss*. Poster session at the annual Front Range Neuroscience Meeting, Fort Collins, CO.
- Campbell, J.** & Sharma, A. (2010, December). *Cross-modal re-organization in children with cochlear implants*. Poster session at the annual Front Range Neuroscience Meeting, Fort Collins, CO.
- Campbell, J.**, Agung, K., & Sharma, A. (2010, September). *Representation of voice onset time in the cortical auditory evoked potentials in young children*. Poster session at the annual student research meeting of The Institute of Cognitive Science, University of Colorado, Boulder, CO.
- Sharma, A., Dorman, M., Biever, A., Gilley, P., Nash, A., & **Campbell, J.** (2010, February). *A sensitive period for cortical development and plasticity in children with sequential bilateral cochlear implants*. Poster session at The Association for Research in Otolaryngology annual meeting, Anaheim, CA.
- Campbell, J.**, Agung, K., & Sharma, A. (2008, September). *Representation of voice onset time in the cortical auditory evoked potentials in young children*. Poster session at the annual meeting of The Colorado Academy of Audiology, Estes Park, CO.
- Campbell, J.**, Martin, K., Nash, A., & Sharma, A. (2008, September). *Methodological constraints on P1 CAEP recordings in cochlear implanted patients*. Poster session at the annual meeting of The Colorado Academy of Audiology, Estes Park, CO.
- Loehman, M., Biever, A., Nash, A., **Campbell, J.**, & Sharma, A. (2008, September). *Sequential bilateral implantation in noise: The relationship between neural plasticity and speech perception in noise*. Poster session at the annual meeting of The Colorado Academy of Audiology, Estes Park, CO.
- White, T., Gabbard, A., Nash, A., **Campbell, J.**, Gilley, P., & Sharma, A. (2008, September). *Cortical Changes with high-frequency hearing loss*. Poster session at the annual meeting of The Colorado Academy of Audiology, Estes Park, CO.
- Campbell, J.**, Agung, K., & Sharma, A. (2008, June). *Representation of voice onset time in the cortical auditory evoked potentials in young children*. Poster session at the annual meeting of Newborn Hearing Screening, Cernobbio, Italy.
- Campbell, J.**, Habegger, N., & Arehart, K. (2007, October). *Temporally-based pitch perception in listeners with cochlear hearing loss*. Poster session at the annual meeting of The Colorado Academy of Audiology, Estes Park, CO.
- Nash, A., **Campbell, J.**, Brooks, K., Loehman, M., White, T., Biever, A., Kelsall, D., Gilley, P.M., & Sharma, A. (2007, October). *Central auditory maturation in children with bilateral cochlear implants: Two case studies*. Poster session at the annual meeting of The Colorado Academy of Audiology, Estes Park, CO.
- Campbell, J.**, Habegger, N., & Arehart, K. (2007, April). *Temporally-based pitch*

perception in listeners with cochlear hearing loss. Poster session at the annual meeting of The American Academy of Audiology, Denver, CO.

Doctoral Student Mentoring

Rixon, R. (Spring 2017). Sensory Gating in Children and Adults: A Relationship with Speech Perception in Background Noise? Au.D Capstone Thesis.

Graduate Student Thesis and Dissertation Committees

2016—Present Caitlin Baker, Master's Thesis in Speech Pathology
 Jingjing Guan, Doctoral Dissertation in Communication Disorders
 Sangeeta Kamdar, Doctoral Dissertation in Communication Disorders
 Hoyoung Yi, Doctoral Dissertation in Communication Disorders

Teaching Experience

CSD 383P Surgically Implanted Auditory Protheses, Communication Sciences and Disorders, The University of Texas at Austin
Instructor, Spring 2017

CSD 395Q Pediatric Audiology, Communication Sciences and Disorders, The University of Texas at Austin
Instructor, Spring 2016—Present

CSD 398P Research Project in Audiology, Communication Sciences and Disorders, The University of Texas at Austin
Instructor, Spring 2016

CSD 394F Medical Audiology, Communication Sciences and Disorders, The University of Texas at Austin
Instructor, Fall 2015—Present

SLHS 6564 Neurodiagnostics, Speech, Language and Hearing Sciences, University of Colorado at Boulder
Spring 2007—Fall 2014
Instructor for weekly laboratory-based classes for Au.D students, including supervision of student laboratory work in EEG

SLHS 4704 Audiological Evaluation, Speech, Language and Hearing Sciences, University of Colorado at Boulder
Fall 2006, Fall 2007
Instructor for introductory clinical audiological hands-on training and laboratory work for undergraduate students

Memberships

American Speech-Language-Hearing Association
American Academy of Audiology