
Garrett J. Cardon, Au.D.
Curriculum Vitae

CURRENT POSITION

2008-Present Research Audiologist and PhD Candidate, Brain and Behavior Laboratory, Speech, Language and Hearing Sciences Department, University of Colorado at Boulder

EDUCATIONAL EXPERIENCE

INSTITUTION AND LOCATION	DEGREE	YEAR	FIELD OF STUDY
Brigham Young University, Provo, UT	B.S.	2004	Audiology and Speech Language Pathology
University of Colorado at Boulder	Au.D.	2008	Audiology Triple Focus –
University of Colorado at Boulder	Ph.D.	TBD	Audiology and Cognitive Neuroscience

CLINICAL TRAINING AND EXPERIENCE

2008-present Licensed Audiologist, State of Colorado

2008-present Early Intervention Provider and Family Facilitator, Colorado Home Intervention Program (CHIP)

2009 Expert Witness (Audiologist), Gilpin County Courts, Gilpin County, CO

2005-2008 Audiology Graduate Clinician, Greater Denver / Boulder area, CO (sites included University of Colorado Hospital, The Children’s Hospital, Denver Health Hospital, Boulder Community Hospital, Boulder Valley School District, University of Colorado at Boulder Hearing Center)

HONORS AND AWARDS

2011 Nominated by SLHS department to be featured as an outstanding graduate student on the University of Colorado’s Graduate School Website

2011 Outstanding Doctoral Researcher Award, Speech, Language, and Hearing Sciences Department, University of Colorado at Boulder

2010 Submitted F31 Individual Pre-doctoral Fellowship Grant, NIDCD
Title: *Cortical evoked potential measures of temporal processing in infants and children with Auditory Neuropathy Spectrum Disorder*

2010 Outstanding Graduate Instructor Course Buyout Award, Deans Fund for Excellence, University of Colorado at Boulder.

- 2010 Audiology and Hearing Science Research Travel Award, American Speech Language and Hearing Association
- 2010 Graduate Student Travel Grant, Speech, Language, and Hearing Sciences Department, University of Colorado at Boulder
- 2010 Student Research Forum Award, American Academy of Audiology
- 2009 Outstanding Graduate Student Scholarship, American Speech Language and Hearing Foundation
- 2009 Best Should Teach Silver Award, University of Colorado at Boulder
- 2004-2008 Funded under Office of Special Education Leadership Training Grant
- 2005-2006 Spanish / English Translator / Interpreter, University of Colorado at Boulder Office of Diversity and Equity
- 2003-2004 President, Brigham Young University Chapter of the National Student Speech Language and Hearing Association (NSSLHA)
- 1997 Eagle Scout, Three Palms, Order of the Arrow, Boy Scouts of America

TEACHING

- 2011 Invited Guest Lecturer, Introduction to Communication Disorders, Speech, Language and Hearing Sciences Department, University of Colorado at Boulder
- 2009-2010 Lead Graduate Instructor, Speech Language and Hearing Sciences Department, University of Colorado at Boulder
- 2008-2010 Course Instructor, Speech Language and Hearing Sciences Department, University of Colorado at Boulder (2 semesters)
Course Title: *Multicultural Aspects of Communication Differences and Disorders*
- 2005-2006 Invited Guest Lecturer, Multicultural Aspects of Communication Differences and Disorders and Aural Rehabilitation classes, Speech Language and Hearing Sciences, University of Colorado at Boulder

PROFESSIONAL MEMBERSHIP

- 2010-2011 Member, National Student Speech Language and Hearing Association (NSSLHA)
- 2004-2011 Member, American Academy of Audiology (AAA)

PUBLICATIONS

- Cardon, G.**, Campbell, J., Sharma, A. (2011) Plasticity in the developing brain: evidence from children with sensorineural hearing loss and auditory neuropathy spectrum disorder. Accepted for publication: *Journal of the American Academy of Audiology*.
- Campbell, J., **Cardon, G.**, Sharma, A. (2011) Clinical applications of the P1 biomarker in children with sensorineural hearing loss and auditory neuropathy spectrum disorder. *Seminars in Hearing* 32(2):147-155.
- Cardon, G.**, Sharma, A. (2011) Cortical auditory evoked potentials in auditory neuropathy spectrum disorder: clinical implications. *Perspectives on Hearing and Hearing Disorders in Childhood* 21: 31-37
- Sharma, A., **Cardon, G.**, Martin, K., Roland, P. (2011) Cortical maturation and auditory skill development in children with auditory neuropathy spectrum disorder. *International Journal of Audiology* 50: 98-106

PRESENTATIONS

- Cardon, G.**, Sharma, A. (2011) Subcortical auditory dys-synchrony affects cortical maturation in children with Auditory Neuropathy Spectrum Disorder. Poster presentation: Front Range Neuroscience Group.
- Cardon, G.**, Sharma, A. (2010). Central auditory maturation and auditory skill development in children with Auditory Neuropathy/Dys-synchrony. Research Presentation: Student Research Forum, Convention of the American Academy of Audiology, 2010.
- Sharma, A., **Cardon, G.**, Gilley, P., Nash, A., Wallace, A. (2010). Cortical development and re-organization in children with Auditory Neuropathy/Dys-synchrony. Research Poster: Association of Research in Otolaryngology Midwinter Meeting.
- Cardon, G.** (2010) P1s in children with sensorineural hearing loss and auditory neuropathy spectrum disorder. Presentation: Colorado Early Years Parent Group
- Cardon, G.** (2010) Cortical maturation and auditory skill development in children with auditory neuropathy spectrum disorder. Research presentation: Annual convention of the Colorado Speech and Hearing Association.
- Cardon, G.**, Sharma, A., Gabbard, S., Burns, S., Claycomb, S., Lupo, V., Strong, D. (2009). Clinical utility of the P1 cortical auditory evoked potential. Research poster: Colorado Academy of Audiology, 2009
- Cardon, G.**, Sharma, A., Martin, K. (2008). Central auditory maturation and speech perception in children with Auditory Neuropathy/Dysynchrony. Research presentation: Annual convention of the Colorado Academy of Audiology, 2008
- Cardon, G.**, Sharma, A., Martin, K. (2008). Central auditory maturation in children with Auditory Neuropathy/Dysynchrony. Research presentation: Annual convention of the American Academy of Audiology, 2008
- Cardon, G.**, Yoshinaga-Itano, C. (2008). Latino Cultures: Issues and implications in audiology practice. Web publication, Marion Downs Hearing Center Foundation: <http://www.mariondowns.com/multicultural.htm>. Posted 2008

Cardon, G., Yoshinaga-Itano, C. (2006). Social development of hard of hearing children from Spanish speaking homes. Research presentation: Annual convention of the American Academy of Audiology, 2006

Cardon, G., Nelson, R., Yoshinaga-Itano, C. (2005). Language development of hard of hearing children from Spanish speaking homes. Research poster: Annual convention of the Colorado Academy of Audiology, 2005

Cardon, G., Nelson, R., Yoshinaga-Itano, C. (2005). Developmental outcomes of hard of hearing children from Spanish speaking homes. Research presentation: Annual convention of the American Speech Language and Hearing Association, 2005

Nelson, R., **Cardon, G.,** Yoshinaga-Itano, C. (2005). Language development of hard of hearing children from Spanish speaking homes. Research presentation: Annual convention of the American Academy of Audiology, 2005

MANUSCRIPTS IN PREPARATION

Sharma, A., **Cardon, G.,** Martin, K., Roland, P. Cortical maturation and auditory skill development in children with auditory neuropathy spectrum disorder who use cochlear implants

Cardon, G., Sharma, A. Estimating auditory threshold using cortical auditory evoked potentials in adults and children: effects of level on cortical neural synchrony

PEER REVIEW

2012 Mentored student reviewer, Ear and Hearing

2011 One of three invited reviewers for a manuscript submitted to the International Journal of Audiology

DESCRIPTION OF RESEARCH AND OTHER PROJECTS AND EXPERIENCE

Assistant Laboratory Manager, Brain and Behavior Laboratory, Speech, Language and Hearing Sciences Department, University of Colorado at Boulder

- Responsible for all equipment and materials acquisition for the laboratory
- In charge of design and maintenance of laboratory website
- Accountable for maintenance of all laboratory equipment and technology, including computer and EEG system hardware and software, including troubleshooting, updating, and general upkeep
- Charged with the scheduling of all clinical patients, obtaining of patient medical records, and notifying patients and their families of clinical testing results

Research Audiologist, Brain and Behavior Laboratory, Speech, Language and Hearing Sciences Department, University of Colorado at Boulder

- Auditory neuroscience research and clinical testing focused on central auditory maturation in children with all forms of hearing loss, including those who use hearing aids and cochlear implants

- Performed clinical EEG testing on approximately 50+ infants and children and reported findings to parents, medical professionals, and other interventionists involved in the clinical management of these children
- Specialized research has focused on cortical maturation in infants and children with unilateral and bilateral Auditory Neuropathy Spectrum Disorder (ANSD)
- Proficient in acquiring, processing, analyzing, and interpreting cortical EEG data from both Compumedics Neuroscan and Electrical Geodesics (EGI) EEG systems.
- Experienced in using Matlab, Curry, Stim2, E-Prime, and SPSS software packages.
- Skillful at reducing cochlear implant artifact in cortical auditory evoked potential (CAEP) recordings
- Adept at both time, frequency, and time-frequency domain analysis of EEG recordings

Graduate Research Assistant, Yoshinaga-Itano lab, Speech, Language and Hearing Sciences Department, University of Colorado at Boulder

- Researched and presented work regarding the effects of cultural background on developmental outcomes in children with hearing loss from Spanish-speaking homes

RESEARCH SUPPORT

- Received an Outstanding Doctoral Researcher Award from the Speech, Language, and Hearing Sciences Department, University of Colorado at Boulder, 3 / 11
- Received an Audiology/Hearing Science Research Travel Award through the American Speech Language and Hearing Association, 2010
- Received a Student Research Forum award and scholarship from the American Academy of Audiology, 2010
- Funded under federal stimulus award through the Brain and Behavior Laboratory, University of Colorado, 9/09 – 6/11
- Received an Outstanding Graduate Student Scholarship from the American Speech Language and Hearing Foundation, 10/09
- Received Student Research Forum Award from the American Academy of Audiology, 4/2010