Curriculum Vitae
Carolyn J. Brown, PhD

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EDUCATIONAL AND PROFESSIONAL HISTORY

1. Education

1983-1989 PhD, Hearing Science, University of Iowa
1980-1982 MSPA, Audiology, University of Washington
1976-1980 BS, Speech Pathology and Audiology, University of Iowa

2. Professional and Academic Positions

07/06 – pres. Professor, University of Iowa, Iowa City, IA
Department of Speech Pathology and Audiology (100%)
Department Otolaryngology - Head and Neck Surgery (0%)

08/97 – 6/06 Associate Professor, University of Iowa, Iowa City, IA
Department of Speech Pathology and Audiology (100%)
Department Otolaryngology - Head and Neck Surgery (0%)

07/96 - 08/97 Associate Research Scientist, University of Iowa, Iowa City, IA
Department Otolaryngology - Head/Neck Surgery

06/91 - 07/96 Assistant Research Scientist, University of Iowa, Iowa City, IA
Department Otolaryngology - Head/Neck Surgery

09/89 - 06/91 Assistant Professor, Arizona State University, Tempe, AZ
Department Speech and Hearing Science

3. Honors and Awards

2011 Marion L Huit Award for outstanding teaching and assistance to students. University of Iowa
2000 Annual Editor's Award for outstanding article in *Ear and Hearing*
2000 Research Advisor for student whose MA thesis research won a prize for Best Student Research Paper from the American Academy of Audiology. (Keely Seyle)
1999 Research Advisor for student whose MA thesis research won a prize for Best Student Research Paper from the American Academy of Audiology. (Betty Luk)
1999 Award for Best Research Presentation, Custom Sound Outcomes Seminar, Sponsored by Cochlear Corporation AG, Sintra, Portugal
1998 Faculty Member of the Year Award: University of Iowa Chapter of the National Students in Speech Language and Hearing Association
1991 Nominated for College of Liberal Arts and Sciences distinguished Teaching Award Arizona State University
1990 Nominated for College of Liberal Arts and Sciences distinguished Teaching Award Arizona State University
1989 Nominated for University of Iowa Dissertation Prize

4. Memberships/Certification

Certificate of Clinical Competence - Audiology, American Speech-Language-Hearing Association
Professional License in Audiology, State of Iowa
American Speech-Language-Hearing Association, member

Iowa Speech-Language-Hearing Association, member
Phi Beta Kappa, member
American Auditory Society, member

II. TEACHING

1. Current Teaching Load

3:290 Auditory Evoked Potentials
3:249 Cochlear Implants
3:247 Medical Audiology

Guest Lectures (typically 1-2 per year) for each of the following courses:
Basic Otolaryngologic Science (68:199)
Honors Seminar (3:097)
Otolaryngology-HNS Annual lecture to residents on ABR, OAEs and Auditory Neuropathy

University of Iowa								
Didactic Courses			Selected ACE Summary Scores*				Advisees	
Sem / Year	Course Number and Title	Students Enrolled	Instructor increased interest	Excellent course	Exams are fair	Oral Communication Competence	Under-grad	Grad
Spr 2015	3:249 Cochlear Implants	7					15	7
	3:290 Auditory Evoked Potentials	8						
Fall 2015	3:247 Medical Audiology	7	**6**	**6**	**6**	**6**	15	9
Spr 2014	3:249 Cochlear Implants	10	**5.86**	**5.86**	**5.8**	**6**	14	8
	3:290 Auditory Evoked Potentials	7	**6**	**6**	**6**	**6**		
Fall 2013	3:247 Medical Audiology	9	5.94	5.75	5.4	5.75	13	8
Spr 2013	3:249 Cochlear Implants	8	5.92	6.0	5.9	6.0	14	9
	3:290 Auditory Evoked Potentials *Mentored teaching*	6	--	---	--	--		
Fall 2012	3:247 Medical Audiology	14	6	5.94	6	6	15	9
Spr 2012	*No courses: buyout and curriculum changes*	--	--	--	--	--	14	7
Fall 2011	3:291 Vestibular Assessment & Rehab	13	5.75	5.83	5.75	6.0	14	7
	3:249 Cochlear Implants	6	5.9	6.0	5.88	6.0		
Spr 2011	3:290 Auditory Evoked Potentials	16	5.95	5.95	5.64	5.95	14	7
	3:247 Medical Audiology	14	5.96	5.96	5.72	5.96		

Fall 2010	3:291 Vestibular Assessment & Rehab	5	6.0	6.0	5.92	6.0	14	7
	3:249 Cochlear Implants	12	5.86	5.94	5.93	6.0		
Spr 2010	*No courses: grant buy out*	--	--	--	--	--	14	7
Fall 2009	3:291 Vestibular Assessment & Rehab	8	6.0	6.0	6.0	6.0	14	7
	3:249 Cochlear Implants	11	5.86	5.94	5.93	6.0		
Spr 2009	3:290 Auditory Evoked Potentials	9	5.94	5.94	5.6	5.94	16	6
	3:247 Medical Audiology	10	6.0	5.86	5.94	6.0		
Fall 2008	3:291 Vestibular Assessment & Rehab	8	5.9	6	5.8	6	14	6
	3:249 Cochlear Implants	10	6	6	5.7	6		
Sum 2008	3:247 Medical Audiology	5	6	6	6	6	8	5
Spr 2008	3:290 Auditory Evoked Potentials	5	5.7	5.9	5.7	6	12	7
Fall 2007	3:249 Cochlear Implants	6	5.9	6.0	5.4	6.0	13	13
Sum 2007	No didactic courses	n/a	n/a	n/a	n/a	n/a	13	7
Spr 2007	3:290 Objective Measures	11	5.81	6.0	6.0	6.0	12	13
Fall 2006	3:249 Cochlear Implants	5	5.75	5.9	5	5.9	13	13
Sum 2006	3:247 Medical Audiology	14	6	5.92	5.8	5.92	10	12
Spr 2006	3:111 Intro. to Acoustics	55	4.06	4.12	5.23	5.75	11	11
	3:290 Objective Measures	5	6	6	6	6		
Fall 2005	3:249 Cochlear Implants	12	5.95	5.95	5.81	6	11	11
Sum 2005	No didactic courses taught	--	--	--	--	--	10	5
Spr 2005	3:290 Objective Measures	5	6	6	5.88	6	10	8
Fall 2004	3:247 Medical Audiology	5	6	6	6	6	7	7
Sum 2004	3:249 Cochlear Implants	9	5.83	5.83	5.5	5.83	2	7
Spr 2004	Developmental Leave No didactic courses taught	0	--	--	--	--	5	7
Fall 2003	3:247 Medical Audiology	6	5.9	5.9	5.5	6	6	9
Sum 2003	3:249 Cochlear Implants	11	5.71	5.38	5.75	5.89	5	5

Spr 2003	3:290 Objective Measures	6	5.9	5.5	5	5.9	8	8
Fall 2002	3:185 Hearing Loss and Audiometry	24	5.93	5.89	5.86		8	9
	3:247 Medical Audiology	6	6	6	5.83			
Spr 2002	3:290 Objective Measures	9	5.94	5.94	5.94		8	10
Fall 2001	3:185 Hearing Loss and Audiometry	20	5.5	5.4	5.46		9	9
	3:247 Medical Audiology	7	5.92	5.8	5.8			
Spr 2001	3:290 Objective Measures	8	5.7	5.7	5.7		9	7

Individual Teaching Registrations

Academic Year	Undergrads enrolled 3:098 Honors Students	MA/AuD students Enrolled 3:186 Problems or 3:590 Research	PhD students enrolled 3:590 Research
2014/2015	Fall 1 / Spr 1	Fall 1 / Spr 1	Fall 4 (10 sh) / Spr 3 (8 sh)
2013/2014	Fall 0 / Spr 0	Fall 0 / Spr 0	Fall 4 (9 sh) / Spr 4 (10 sh)
2012/2013	Fall 0 / Spr 0	Fall 0 / Spr 0	Fall 3 (5 sh) / Spr. 5 (10 sh)
2011/2012	Fall 0 / Spr 0	Fall 0 / Spr 0	Fall 4 (13 sh) / Spr. 4 (12 sh)
2010/2011	Fall 0 / Spr 0	Fall 0 / Spr 0	Fall 4 / Spr 5
2009/2010	Fall 0 / Spr 0	Fall 0 / Spr 0	Fall 3 / Spr 4
2008/2009	Fall 0 / Spr 0	Fall 0 / Spr 0	Fall 2 / Spr 2
2007/2008	Fall 0 / Spr 0	Fall 0 / Spr 0 / Sum 0	Fall 4 / Spr 2 / Sum 0
2006/2007	Fall 2 / Spr 2	Fall 4 / Spr. 0 / Sum. 1	Fall 3 / Spr. 2 / Sum. 3
2005/2006	Fall 0 / Spr. 0	Fall 0 / Spr. 0 / Sum. 0	Fall 2 / Spr. 2 / Sum 2
2004/2005	Fall 0 / Spr. 0	Fall 0 / Spr. 1 / Sum. 2	Fall 1 / Spr. 2 / Sum. 3
2003/2004	Fall 0 / Spr. 0	Fall 0 / Spr. 0 / Sum. 0	Fall 5 / Spr. 3 / Sum.
2002/2003	Fall 0 / Spr. 0	Fall 0 / Spr. 0 / Sum. 0	Fall 5 / Spr. 5 / Sum. 5
2001/2002	Fall 0 / Spr. 0	Fall 0 / Spr. 1 / Sum. 0	Fall 5 / Spr. 5 / Sum. 5
2000/2001	Fall 3 / Spr. 3	Fall 0 / Spr. 0 / Sum. 0	Fall 5 / Spr. 4 / Sum. 5
1999/2000	Fall 2 / Spr. 2	Fall 1 / Spr. 3 / Sum. 0	Fall 5 / Spr. 4 / Sum. 5
1998/1999	Fall 0 / Spr. 0	Fall 7 / Spr. 1 / Sum. 1	Fall 4 / Spr. 7 / Sum. 3

2. Research Supervision

Research Supervision ([1]University of Iowa, [3]University of Illinois, [4]University of Toronto)			
Degree Objective	**Years**	**Role**	**Status**
a. PhD or AuD/PhD Candidates:			
Kelsey Klein	2014-pres.	Chair	First year AuD/PhD
Nick Guliani	2013-pres.	Chair	Post Comps
Bruna Mussoi	2009 – pres.	Chair	Post Comps
Julie Jeon	2008 – pres.	Member	Post Comps
Ben Kirby	2010 – pres.	Chair	Graduated with PhD. Post Doc at BoysTown
Li-Kuei Chou	2008 – pres.	Chair	Graduated with AuD. Withdrew from PhD program
Ian Mertes	2009-2013	Member	Graduated with PhD. Post Doc
Rachel Scheperle	2009 - 2013.	Member	Graduated with PhD. Post Doc at BoysTown
Aayesha Dhuldhoya	2003 - 2013	Member	Graduated with PhD. Returned to India
Xueli Tan	2013	Member	Comps Committee for Music PhD student
Anne Perreau	2009 - 2011	Member	Graduated. On faculty Augustana
Anna Hong	2009 - 2010	Member	Pre-comps – left program
Ou Hua	2006 – 2009	Member	Post Comps
Shuman He	2006 - 2008	Chair	Research Scientist UNC
Xueqing Chen	2007 - 2008	Chair	Withdrew from PhD program: family problems
Fuh-Cherng Jeng	2002 – 2006	Co-Chair	Asst. Professor at Ohio University
Woo-Arnold, Hyo Chung	2003 – 2007	Member	Failed comps. Changed degree objectives
Karen Gordon[4]	2003-2005	Member	Research Scientist at The Hospital for Sick Children, Toronto, Ontario
Rebecca Warner	2002-2003	Member	Asst. Professor University of Wisconsin – Stephens Point
Marcia Hay-McCutcheon	2000-2004	Chair	Post Doctoral Fellow with David Pisoni, PhD Indiana University, Bloomington
Tiffany Johnson	1999-2003	Chair	Post Doctoral Fellow with Michael Gorga, PhD Boystown National Research Hospital, Omaha
Kathy Vander Werff	1998-2002	Chair	Associate Professor Syracuse University
Michelle Hughes	1998-2003	Member	Director, Cochlear Implant Research Program, Boystown National Reseach Hospital, Omaha
Sandie Bass-Ringdahl	1998-2002	Member	Asst. Professor University of Iowa

Research Supervision
([1]University of Iowa, [3]University of Illinois, [4]University of Toronto)

Kelly Schmidt-Clay	1997-2003	Chair	Asst. Professor, Western Illinois University
Karen Chi	1997-2002	Member	Director ESL Program in Hong Kong
Christine Runge	1997-2002	Member	Asst. Professor, Medical College of Wisconsin, Milwaukee
Jill Firszt[3]	1996-1998	Member	Assoc. Professor Washington University, St. Louis
Akihiro Matsuoka	1995-1998	Member	Graduated
Andrew Vermiglio	1993-1995	Member	Withdrew. Currently: Research Audiologist House Ear Institute, California
Ming Zhang	1991-1995	Member	Assoc. Professor, Texas State University, Lubbock
Renzhi Zhou	1991-1993	Member	Graduated
Charles Miller	1991-1993	Member	Research Scientist, University of Iowa
b. AuD Research Projects:			
Ryan Cronnister	2014 – pres.	Chair	Capstone research project: AuD
Amanda Pead	2014 – pres.	Chair	Capstone EBP project: AuD
Ishita Raheja	2013 – pres.	Chair	Capstone research project: AuD
Ann Smith	2013 – 2015.	Chair	Capstone research project: AuD
Nick Giuliani	2013 – 2014	Chair	Capstone research project: AuD/PhD
Ben Kirby	2008 - 2009	AuD Mentor	Graduated with AuD
Jill Buckingham	2007 – 2008	AuD Mentor	Graduated with AuD
c. Masters students:			
Hyo Chung Arnold	2007	Member	Clinical Audiologist, Florida
Bruna Sobieska	2005-2006	Member	Clinical Audiologist, Brazil
Keely Seyle	1998-2000	Chair	Clinical Audiologist
Betty Luk	1997-1999	Chair	Clinical Audiologist, Hong Kong
Chiemi Tanaka	1996-1998	Member	Clinical Audiologist/ PhD Student at NYU
Laura Cooley	1991-1993	Member	Clinical Audiologist
Jennifer Brown	1997-1998	Member	Clinical Audiologist
d. Postdocs:			

Research Supervision ([1]University of Iowa, [3]University of Illinois, [4]University of Toronto)			
Shruti Deshpande	2014- pres.	Mentor	Postdoctoral research training (unfunded)
Kelly Schmidt-Clay	2004-2006	Mentor	Asst. Professor (part time) Western Illinois University
e. Undergraduate Honors Students:			
Joelle Cristy	2014-2015	Directed	UG Honors project
Kristin Musser	2006-2007	Directed	Graduated
Abbie Larson	2006-2007	Directed	Graduated
Annie Vranesic	2000-2001	Directed	Graduated

III. SCHOLARSHIP

1. Publications or Creative Works

* = senior author, major contribution
** = secondary contribution
*** = equal contribution
**** = minor contribution

a. Refereed

Book Chapters

* **Brown, CJ** (in prep). Electrically Evoked Auditory Potentials. In: Clinical Management of Children with Cochlear Implants. Eisenberg, L. (Editor). Plural Publishing

***Brown, CJ and Johnson, TA** (2015). Electrophysiologic Assessment of Hearing. In: Cummings Otolaryngology Head and Neck Surgery. *Sixth Edition*. Volume 3. John Niparko (Editor), St. Louis: Elsevier Science, Mosby Inc.

*** Brown, CJ and Johnson, TA** (2010). Electrophysiologic Assessment of Hearing. In: Cummings Otolaryngology Head and Neck Surgery. *Fifth Edition*. Volume 3. John Niparko (Editor), St. Louis: Elsevier Science, Mosby Inc.

* **Brown, CJ** (2009). Electrically Evoked Auditory Potentials. In: Clinical Management of Children with Cochlear Implants. Eisenberg, L. (Editor). Plural Publishing

***Abbas, PJ & **Brown, CJ** (2009). Electrocochleography. In: Handbook of Clinical Audiology, 5th Edition. Katz, J and Burkard, R (Editors). Williams and Wilkins.

***Vander Werff, K.R., Johnson, T.A., and **Brown, C.J.** (2008). Behavioral threshold estimation using the auditory steady-state response. In: ASSR & its Clinical Applications. Rance, G. (Editor). Plural Publishing.

***Abbas, PJ, **Brown, CJ,** and Etler, CP (2006). Electrophysiology and Device Telemetry. In: Cochlear Implants 2nd Edition. S. Waltzman and T. Roland, Editors. New York: Thieme Publishers

***Abbas, PJ, & **Brown, CJ** (2006). Utility of electrically evoked potentials in cochlear implant users. In: Practical Aspects of Cochlear Implants, 2nd Edition. H. Cooper and L. Craddock, Editors. London: Whurr Publishers Ltd.

*** Brown, CJ** (2005). Electrophysiologic Assessment of Hearing. In: Otolaryngology Head and Neck Surgery. *Fourth Edition*. Volume 4. Lee Harker, St. Louis: Elsevier Science, Mosby Inc.

***Brown, CJ** (2003) The Electrically Evoked Whole Nerve Action Potential. In: Objective Measures in Cochlear Implants. H. Cullington, Editor. London: Whurr Publishers Ltd.

***Abbas, PJ, & **Brown, CJ** (2000). Electrophysiology and Device Telemetry . In: Cochlear Implants. S. Waltzman and N. Cohen, Editors. New York: Thieme Publishers

***Abbas, PJ, & **Brown, CJ** (1991). Assessment of the status of the auditory nerve. In: Practical Aspects of Cochlear Implants. H. Cooper, Editor. London: Whurr Publishers Ltd.

Journal Articles

***Brown, CJ**, Gfeller, K, Abbas, P, Jeon, J, Driscoll, V (in prep). Effect of long-term musical training on cortical auditory evoked potentials. Ear and Hearing.

***Brown, CJ**, Jeon, EK, Abbas, PJ, Chiou, L, Kirby, B, Etler, C, Karsten, S, Turner, CW (in review). Measures of Cortical Auditory Evoked Potentials in Listeners with Both Acoustic and Electric Hearing In the Implanted Ear. Ear and Hearing.

Kirby, BJ and **Brown, CJ** (in press). Effects of Nonlinear Frequency Compression on AAC amplitude and Listener Performance. Ear and Hearing.

Abbas, PJ and **Brown, CJ** (2015). Assessment of responses to cochlear implant stimulation at different levels of the auditory pathways. Hearing Research.

***Nourski KV, Etler CP, Brugge JF, Oya H, Kawasaki H, Reale RA, Abbas PJ, **Brown CJ,** Howard MA (2013). Direct recordings from the auditory cortex in a cochlear implant user. J Assoc Res Otolayngology. 14(3): 435-50.

***Karsten SA, Turner CW, Brown CJ, Jeon EK, Abbas PJ, Gantz BJ. (2013). Optimizing the Combination of Acoustic and Electric Hearing in the Implanted Ear. Ear and Hearing. 34(2):142-50.

***Kirby, B, Brown, CJ, Abbas, P.J., Etler, C.P., O'Brien, S. (2012). Electrophysiological measures as predictors of equal loudness in bilateral cochlear implant users. Ear and Hearing 33, 389-398.

***He, S, Brown, CJ, Abbas, PJ (2012). Preliminary results of the relation between electrophysiological measures of binaural interaction component of electrically evoked auditory brainstem responses and psychophysical measures of interaural pitch perception in bilateral cochlear implant recipients. Ear and Hearing, 33, 57-68. .

Kim, JR, Abbas, PJ, **Brown, CJ, Etler, CP, O'Brien, S, Kim, LS (2010). The Relationship between Electrically Evoked Compound Action Potential and Speech Perception: A Study in Cochlear Implant Users with Short Electrode Array. Otol Neurotol. 31, 1041-8.

*He, S, **Brown, CJ**, Abbas, PJ (2010). Effects of Stimulation Level and Electrode Pairing on The Binaural Interaction Component of The Electrically Evoked Auditory Brain Stem Response. Ear and Hearing 31, 457-70.

*Jeon, EK, **Brown, CJ,** Etler, CP, O'Brien, S, Chiou, L, Abbas, PJ (2010). Comparison of Electrically Evoked Compound Action Potential Thresholds and Loudness Estimates for the Stimuli Used to Program the Advanced Bionic Cochlear Implant. J. Am. Acad Audiol. 21, 16-27.

***Brown, CJ**, Abbas, PJ, Etler, CP, O'Brien, S, Oleson, JJ. (2010). Effects of Long-Term Use of a Cochlear Implant on the Electrically Evoked Compound Action Potential. J. Am. Acad. Audiol. 21, 5-15.

***Kim, JR, **Brown, CJ,** Abbas, PJ, Etler, CP, O'Brien, S (2009). The Effect of changes in Stimulus Level on Electrically Evoked Cortical Auditory Potentials. Ear and Hearing. 30, 320-329.

********Lai, WK; Dillier, N, Weber, BP, Lenarz, T, Battmer, R., Gantz, B, **Brown, CJ**. Cohen, N; Waltzman, S, Skinner, M; Holden, L ; Cowan, R; Busby,P, Killian,M (2009). TNRT Profiles with the Nucleus Research Platform 8 System. International Journal of Audiology, 48 (9): 645 – 654.

***Miller, C.A., **Brown, C.J.,** Abbas, P.J. and Chi, S-L (2008).The clinical application of potentials evoked from the peripheral auditory system. Hear Research 242, 184-97.

***Brown, C.J.**, Etler, C., He, S., O'Brien, S., Kim, J.R., Dhuldhoya, A., Abbas, P. (2008). Electrically Evoked Auditory Change Complex in Nucleus Cochlear Implant Users: Sensitivity to Change in Place of Stimulation. Ear and Hearing. 29, 704-17.

Jeng FC, Abbas PJ, **Brown CJ, Miller CA, Nourski KV, Robinson BK (2008). Electrically evoked auditory steady-state responses in a guinea pig model: latency estimates and effects of stimulus parameters. Audiol Neurotol. 13:161-71.

Jeng, F-C, Abbas, P.J., **Brown, C.J., Miller, C.A., Nourski, K.V., Robinson, B.K. (2007). Electrically evoked auditory steady-state responses in guinea pigs, Audiol. Neurotol., 12, 101-112.

***Schmidt-Clay, KM & **Brown, CJ** (2007). Variations in Neural Adaptation among CI24 cochlear implant users and its relationship to behavioral dynamic range and word recognition. Ear and Hearing. 28, 850-861

***Hay-McCutcheon, M, **Brown, CJ**, & Abbas, PJ (2005). An analysis of the impact of auditory-nerve adaptation on behavioral measures of temporal integration in cochlear implant recipients. Journal Acoustical Society of America, 118, 4, 1-14.

***Johnson, TA & **Brown, CJ** (2005). Threshold Prediction Using the Auditory Steady-State response and the Toneburst Auditory Brainstem Response: A Within-Subject Comparison. Ear and Hearing. 26(6): 559-576

***Vanderwerff, KR & **Brown, CJ** (2005). Effect of Audiometric Configuration on Threshold and Suprathreshold Auditory Steady-State Responses. Ear and Hearing, 26(3): 310-326.

**** Battmer,R,, Dillier, N, Lai, WK, Weber, BP, **Brown, C** , Gantz, B, **,** Roland JT, Cohen NJ, Shapiro W, Pesch J, Killian MJ, Lenarz T. (2004). Evaluation of the neural response telemetry (NRT) capabilities of the nucleus research platform 8: initial results from the NRT trial. Int J Audiol. 43 Suppl 1:S10-15.

Jeng, FC, **Brown, CJ, Johnson, TA, & Vander Werff, KR (2004). Estimating air-bone gaps using auditory steady-state responses. J. Am. Acad. Audiol. 15:63-74.

***Hughes ML, **Brown CJ** & Abbas PJ (2004). Sensitivity and specificity of averaged electrode voltage (AEV) measures in cochlear implant recipients. Ear & Hearing, 25, 431-446.

Abbas PJ, Hughes ML, **Brown CJ, Miller CA & South H (2004). Channel interaction in cochlear implant users evaluated using the electrically evoked compound action potential. Audiology and Neurotology, 9, 203-23.

***Etler CP, Abbas PJ, Hughes ML, **Brown CJ**, Dunn SM, Zubrod LJ, Van Voorst TL (2004). Comparison of Psychophysical and Electrophysiologic Measures of Channel Interaction. International Congress Series, 1273, 44-47.

Abbas PJ, Etler CP, **Brown CJ, Van Voorst TL, Zubrod LJ, Dunn SM. (2004). Electrically Evoked Compound Action Potential using Nucleus RP8. International Congress Series, 1273, 80-83.

***Brown, CJ** (2003). Clinical uses of electrically evoked auditory nerve and brainstem response. Current Opinion in Otolaryngology & Head and Neck Surgery. 11: 383-387.

***Jeng, FC, Tsai, MH, & **Brown, CJ** (2003). Relationship of preoperative findings and ossicular discontinuity in chronic otitis media. Otology & Neurotology. 24, 29-32.

Hay-McCutcheon, M, **Brown, C, Schmidt Clay, K, & Seyle, K (2002). Comparison of Electrically Evoked Whole-Nerve Action Potential and Electrically Evoked Auditory Brainstem Response Thresholds in Nucleus CI24R Cochlear Implant Recipients. Journal of the American Academy of Audiology. 13, 416-427.

***Turner, C, Mehr, M, Hughes, M, **Brown, C**, & Abbas, P (2002). Within-subject predictors of speech recognition in cochlear implants: A null result. Journal of the Acoustical Society of America. Online publication.

Vander Werff, K, **Brown, C, Gienapp, B, & Schmidt Clay, K (2002). Comparison of Auditory Steady-State Response and Auditory Brainstem Response Thresholds in Children. Journal of the American Academy of Audiology. 13, 227-235.

***Gantz, BJ, Tyler, RS, Rubinstein, JT, Wolaver, A, Lowder, M, Abbas, PJ, **Brown, CJ**, Hughes, ML, & Preece, JP (2002). Binaural cochlear implants placed during the same operation. Otology & Neurotology. 23, 169-180.

***Seyle, K, & **Brown, CJ** (2002). Speech Perception using Maps Based on Neural Response Telemetry (NRT) Measures. Ear and Hearing, 23 (Supplement), 72S-79S.

Hughes, ML, Vander Werff, KR, **Brown, CJ, Abbas, PJ, Kelsay, D, Teagle, H, & Lowder, MW (2001). A Longitudinal Study of Electrode Impedance, EAP, and Behavioral Measures in Nucleus 24 Cochlear Implant Users, Ear and Hearing, 22, 471-486.

***Brown, CJ**, Hughes, ML, Luk, B, Abbas, PJ, Wolaver, A, & Gervais, J (2000). The relationship between EAP and EABR thresholds and levels used to program the Nucleus CI24M speech processor: Data from adults. Ear and Hearing. 21, 151-163.

Hughes, ML, **Brown, CJ, Abbas, PJ, Wolaver, A, & Gervais, J (2000). Comparison of EAP Thresholds with MAP Levels in the Nucleus 24 Cochlear Implant: Data from Children. Ear and Hearing. 21, 164-174.

Hughes, ML, Abbas, PJ, **Brown, CJ, & Gantz, BJ (2000). Using electrically evoked compound action potential thresholds to facilitate creating MAPS for children with the Nucleus CI24M. Advances in Oto-Rhino-Laryngology, 57, 260-265.

Miller, CM, Abbas, PJ, & **Brown, CJ (2000) An improved method of reducing stimulus artifact in the electrically evoked whole nerve potential. Ear and Hearing, 21, 280-290.

Abbas, PJ, **Brown, CJ, Hughes, ML, Gantz, BJ, Wolaver, AA, Gervais, JP, & Hong, SH (2000). Electrically evoked compound action potentials (EAP) recorded from subjects who use the Nucleus CI24M device. Annals of Otology Rhinology, Laryngology, Supplement 185, 6-9.

Abbas, PJ, **Brown, CJ, Shallop, JK, Firszt, JB, Hughes, ML, Hong, SH, & Staller, SJ (1999). Summary of results using the Nucleus CI24M implant to record the electrically evoked compound action potential (EAP). Ear and Hearing. 20 (1), 45-59.

***Brown, CJ,** Hughes, M, Lopez, SM, & Abbas, PJ (1999) The relationship between EABR thresholds and levels used to program the Clarion speech processor. Annals Otology, Rhinology, Laryngology. Suppl 177, 108, 50-57.

***Brown, CJ,** Abbas, PJ, & Gantz, BJ (1998). Preliminary Experience with Neural Response Telemetry in the Nucleus CI24M Cochlear Implant. American Journal of Otology, 19, 320-327.

***Brown, CJ** (1996). Using Electrically Evoked Auditory Potentials in the Clinical Management of Cochlear Implant Candidates and Recipients. In: Seminars in Hearing, 17, 389-402.

***Brown, CJ**, Abbas, PJ, Borland, J, & Bertschy, M (1996) Electrically evoked whole nerve action potentials in Ineraid cochlear implant users and their relationship to psychophysical performance. Journal of Speech and Hearing Research, 39, 453-467.

***Brown, CJ**, Abbas, PJ, Bertschy, M, Tyler, R, Lowder, M, Takahashi, G, Purdy, S, & Gantz, BJ (1995). Longitudinal Assessment of Physiological and Psychophysical Measures in Cochlear Implant Users. Ear and Hearing, 16(5), 439-449.

***Brown, CJ**, Abbas, PJ, Fryauf-Bertschy, H, Kelsay, D, & Gantz, BJ (1994) Intraoperative and Postoperative Electrically Evoked Auditory Brainstem Responses (EABR) in Nucleus Cochlear Implant Users: Implications for the Fitting Process. Ear and Hearing, 15, 168-176.

***Gantz, BJ, **Brown, CJ**, & Abbas, PJ (1994). Intraoperative measures of the electrically evoked auditory nerve compound action potential. American Journal of Otology, 15, 137-144.

****Miller, CA, Abbas, PJ, & **Brown, CJ** (1993). Electrically evoked auditory brainstem response to stimulation of different sites in the cochlea. Hearing Research, 66, 130-142.

***Abbas, PJ, & **Brown, CJ** (1991). Electrically evoked auditory brainstem responses: Refractory properties and strength duration functions. Hearing Research, 51, 139-148.

***Abbas, PJ, & **Brown, CJ** (1991). Electrically evoked auditory brainstem responses: Growth of

response with current level. Hearing Research, 51, 123-138.

***Brown, CJ**, Abbas, PJ, & Gantz, BJ (1990). Electrically evoked whole-nerve action potentials: Data from human cochlear implant users. Journal of the Acoustical Society of America, 88, 1385-1391.

***Brown, CJ**, & Abbas, PJ (1990). Electrically evoked whole-nerve action potentials: Parametric data from the cat. Journal of the Acoustical Society of America, 88(5), 2205-2210.

***Abbas, PJ, & **Brown, CJ** (1988). Electrically evoked brainstem potentials in cochlear implant patients with multi-electrode stimulation. Hearing Research, 36, 153-162.

****Gantz, B, Tyler, R, Knutson, J, Woodworth, G, Abbas, P, McCabe, B, Hinrichs, J, Tye-Murray, N, Lansing, C, Kuk, F, & **Brown, C** (1988). Evaluation of five different cochlear implant designs: audiologic assessment and predictors of performance. Laryngoscope, 98, 1100-1106.

***Brown, CJ**, & Abbas, PJ (1987). Comparison of AP and ABR tuning curves in the guinea pig. Hearing Research, 25, 193-204.

***Wilson, RH, Arcos, JT, **Brown, CJ**, & Bennett, LA (1984). Masking-level difference in filtered random and amplitude-modulated noise. Journal of Speech and Hearing Disorders, 27, 267-274.

b. Non-Refereed

Hughes ML, **Brown CJ & Abbas PJ (2003). Characteristics of the electrically evoked compound action potential (ECAP) and clinical applications. Cochlear Collaborative Research Report, 32-33.

***Brown, CJ** & Hughes, ML (2000) Neural response telemetry (NRT) Part two. In NUCLEUS News, Summer Issue.

***Brown, CJ** (2000) Neural response telemetry (NRT) Part one. In NUCLEUS News, Winter Issue.

2. Published Reviews of Scholarship

None

3. Inventions and Patents

Rubinstein, J, **Brown, C**, Tyler, R, & Abbas, P (November, 2001). Pseudospontaneous Neural Stimulation System and Method. Issuance of US Patent No. 6,295,472 B1.

4. Grants (Funded or pending)

a. External

2012-2014 NIH/NIDCD F31 DC012961 Benjamin Kirby (PI)
The Impact of Frequency Compression on Cortical Evoked Potentials and Perception
Role: Primary Sponsor

2012-2015 NIH/NIDCD R01 DC012082
Evoked Potentials & Music Perception: Effects of Hearing Loss and Training

	Role: PI (with Kate Gfeller, Co-PI) $320,875/year (direct and indirect)
2012-2017	NIH/NIDCD: P50 DC000242 (P50 PI: B. Gantz) Iowa Cochlear Implant Project IV Role: PI for Electrophysiology Section Total grant = approx. $10 million final budget pending (direct and indirect) Resubmitted May 2011, approved Jan 2012
2009-2012	NIH/NIDCD: ARRA 1RC1DC010696 Optimizing Acoustic and Electric Hearing for Hybrid CI Users Role: Co-PI with Chris Turner Total grant = $815,000 (direct and indirect)
2006-2011	NIH/NIDCD: P50 DC000242 (P50 PI: B. Gantz) Iowa Cochlear Implant Project V Role: Co-PI for Electrophysiology Section Total grant = $10.1 million (direct and indirect)
2003-2006	Iowa Cochlear Implant Project I (NIH) Co-Investigator for Audiology Section –pediatric emphasis Total grant = $6.5 million; Audiology section = $1.64 million.
2001-2006	Iowa Cochlear Implant Project IV (NIH) Co-PI for Electrophysiology Section Total grant = $6.5 million; Electrophysiology section = $1.146 million.
2001 - 2003	Within Subject Comparison of Auditory Steady State and Auditory Brainstem Responses. National Organization for Hearing Research Primary Investigator Total grant = $10,000
2000 - 2003	Tinnitus Research Consortium Electrical Suppression of Tinnitus J. Rubinstein, Primary Investigator Investigator
1995 - 2000	Iowa Cochlear Implant Program Project (III) NIH/NIDCD Co-Investigator, Electrophysiology section Total grant = $4.173 million; Electrophysiology Section = $0.9 million.
1993 - 2001	National Institutes of Health, NIDCD DC00400 Research Training Program in Otolaryngology B. Gantz, Primary Investigator Trainer
2001	Children's Miracle Network Grant Total grant = $2500
1996	Children's Miracle Network Grant Total grant = $2000+

1991	Deafness Research Foundation Grant Arizona State University Total grant = $15,000

b. Internal

2007	Instructional Equipment funds, University of Iowa	$25,000.00
1999	NTITLE workshop grant, University of Iowa	$3000.00
1989	Faculty Grant-in-Aid Program, Arizona State University	$1500.00

5. Funding Proposals (submitted but not funded)

2011 NIH/NIDCD R01
Evoked Potentials & Music Perception: Effects of Hearing Loss and Training
Role: Co-PI with Kate Gfeller (unscored).

2010-2015 NIH/NIDCD: P50 DC000242 (P50 PI: B. Gantz)
Iowa Cochlear Implant Project IV
Role: PI for Electrophysiology Section
(revised and resubmitted).

2010 NIH/Association for University Centers on Disabilities.
RTOI: Assessing New Technology and Averaging Algorithm for Obtaining Non-Sedated Frequency Specific Auditory Brainstem Evoked Response Thresholds in Neonates.
Role: Co-PI with Lenore Holte.
(ranked but not funded)

2008-2009. Gustavus and Louise Pfeiffer Research Foundation Grant
The Pfeiffer Research Fellowship in Audiology and Hearing Science: An Expanded Research Training Opportunity for Clinical Scientists Interested in Hearing Loss and Deafness.
Role: PI (not funded)

2006, Sept. Gustavus and Louise Pfeiffer Research Foundation Grant
Enhancing Research Training in Audiology: A new Approach to Assessing Hearing in Infants.
Role: PI (not funded)

2005, June US Department of Education Training Grant
Preparing Personnel to Serve Children with Communication Disorders. PI
Total grant = $8.7 million over 5 years. (not funded)

2001, March Steady State Evoked Potentials in Children. R01 Grant
NIH/NIDCD. PI, (not funded)

2000, June Steady State Evoked Potentials in Children. R01 Grant
NIH/NIDCD. PI, (Scored 197, 36th percentile, not funded)

6. Lectures and Conference Presentations

* = Invited talk, featured speaker or member of conference faculty

a. International

Brown, C. (2015). Keynote speaker at the 2015 meeting of the International ERA study group (IERASG), Busan, Korea scheduled for May 10-14, 2015.

Abbas, PJ and **Brown, CJ** and Abbas, PJ (2014). Responses to electrical stimulation in individuals with residual hair cell function. 8th International Symposium on Objective Measures in Auditory Implants. Toronto, Canada. October, 2014. Invited speaker.

Tejani, V, Abbas, PJ, **Brown, CJ** (2014). Electrically Evoked Compound Action Potentials in response to Amplitude Modulated Electric Pulse Trains. Poster presented at the 8th International Symposium on Objective Measures in Auditory Implants. Toronto, Canada.

Brown, C., Jeon, J., Kirby, B., Scheperle, R., Etler, C., Abbas, P.(2012) Cortical Evoked Potentials: Comparisons between NH listeners, CI and HA users. 7th International Symposium on Objective Measures in Auditory Implants. Amsterdam, Netherlands

Brown, CJ, Jeon, EK, Kirby, B, Chiou, L, Etler, C, Abbas, P. (2012) Using Cortical Auditory Evoked Potentials to Assess the Impact of Programming Strategy and Stimulation Mode in Hybrid CI Users. 12th International Conference on Cochlear Implants and Other Implantable Auditory Technologies, Baltimore, MD

Nourski KV, Etler CV, Brugge JF, Oya H, Kawasaki H, Abbas PJ, **Brown CJ**, Howard MA (2012) Direct Recordings from the Auditory Cortex in a Bilateral Cochlear Implant User 4th Annual Conference on Auditory Cortex, Lausanne, Switzerland

*Etler, C, **Brown, C**, Kirby, B, Fleener, R, Gogel, S., VanVoorst, T. (2011). C-levels, ECAP thresholds and Impedances in Pediatric Nucleus Freedom Implant Users. 13th International Symposium on Cochlear Implants in Children. Chicago, IL.

*Jeon, E., **Brown, C.,** Chiou, L-K, Kirby, B., & Abbas, P. J. (2011). Cortical auditory evoked change responses in school-aged children. The Mentored Doctoral Student Poster presentation at the 13th International Symposium on Cochlear Implants in Children, Chicago, IL.

***Brown, CJ** (2011). Future Directions in Cochlear Implants. Asia-Oceania Association of Oto-Rhino-Laryngological Societies. Auckland, New Zealand

***Brown, CJ** (2011). Auditory Electrophysiology – From Laboratory to Clinic. *Keynote Address.* Asia-Oceania Association of Oto-Rhino-Laryngological Societies. Auckland, New Zealand

Brown, CJ, Abbas, PJ, Jeon, EK, Chiou, LK, Etler, CP (2010). Using cortical potentials to assess sensitivity to spectral change. Objective Measures in Auditory Implants 6th International Symposium. St. Louis MO.

Abbas, PJ, Miller, CA, **Brown, CJ**, Woo, J, Etler, CP (2010) Single unit and electrical compound action potential (ECAP) responses. Objective Measures in Auditory Implants 6th International Symposium. St. Louis MO.

Chiou, LK, **Brown, CJ**, Abbas, PJ, Etler, CP (2010) Current spread within the cochlea among pediatric and adult cochlear implant users. Objective Measures in Auditory Implants 6th International Symposium. St. Louis MO.

Mussoi, B, **Brown, CJ**, Etler, CP, Abbas PJ (2010). Comparing ECAP-based methods of predicting programming levels in cochlear implants. Objective Measures in Auditory Implants 6th International Symposium. St. Louis MO.

Kirby, B, **Brown, CJ**, Abbas, PJ, Etler, CP, O'Brien, S. Electrophysiological measures as predictors of equal loudness in bilateral cochlear implant users. Objective Measures in Auditory Implants 6th International Symposium. St. Louis MO.

Etler, CP, Abbas, PJ, **Brown CJ**, O'Brien, S, Huinker, A (2010). The effects of acoustic noise on electrically evoked auditory potentials. Objective Measures in Auditory Implants 6th International Symposium. St. Louis MO.

Silberer, A, Fleener, R, Scheperle, R, Etler CP, **Brown, CJ**, Abbas PJ (2010). Cortical auditory evoked responses recorded from cochlear implant users: data from Iowa. Objective Measures in Auditory Implants 6th International Symposium. St. Louis MO.

Jeon, EK, **Brown, CJ**, Chiou, LK, Etler, CP, Abbas, PJ (2010). Using musical stimuli to record cortical auditory evoked potentials. Objective Measures in Auditory Implants 6th International Symposium. St. Louis MO.

Kim, JR, Abbas, PJ, Etler, CP, O'Brien, S, **Brown, CJ** (2008). The Relationship between Electrically Evoked Compound Action Potential and Speech Perception in Cochlear Implant Users. 10th International Conference on Cochlear Implants and other Implantable Auditory Technologies. San Diego, CA.

He, S, **Brown, CJ**, Abbas, PJ, Etler, CP, O'Brien, S. (2008). The Electrically Evoked Binaural Interaction Component of the Auditory Brainstem Response: Effect of Electrode and Comparison with Psychophysical Measures of Pitch Matching. 10th International Conference on Cochlear Implants and other Implantable Auditory Technologies. San Diego, CA.

Arnold, HC, Abbas, PJ, **Brown, CJ** (2008). Channel Interaction in Cochlear Implant Users Evaluated Using the Electrcally Evoked Compound Action Potential : Monopolar Versus Bipolar Configurations. 10th International Conference on Cochlear Implants and other Implantable Auditory Technologies. San Diego, CA.

***Brown, CJ,** Abbas, PJ, Etler, C, Kim, J, He, S, O'Brien, S and Erenberg, S (2007). Electrically evoked cortical potentials. Objective Measures in Cochlear and Brainstem Implants, 5th International Symposium, Varese, Italy.

*Abbas, PJ, Etler, C, **Brown, CJ,** O'Brien, S and Erenberg, S (2007). Effects of near threshold conditioner pulses on the ECAP response. Objective Measures in Cochlear and Brainstem Implants, 5th International Symposium, Varese, Italy.

Etler, C, **Brown, CJ**, Abbas, P, Erenberg, S, He, S, O'Brien, S. (2007). Auditory Evoked Potentials in Response to Temporal Changes. 11th International Conference on Cochlear Implants in Children. Charlotte, NC.

O'Brien, S, Erenberg, S, Dhuldhoya, A, Etler, C, Abbas, P, **Brown, CJ**. (2007). Effects of Near Threshold Conditioner Pulses on the ECAP Response. 11th International Conference on Cochlear Implants in Children. Charlotte, NC.

***Brown, CJ**, Abbas, PJ, Etler, C, O'Brien, S, Erenberg, S. (2006) Electrically Evoked Auditory Change Potentials. Podium presentation at 9th International Conference on Cochlear Implants. Vienna, Austria

Abbas, PJ, **Brown, CJ**, Miller, CA, Etler, C, Nourski, K (2006). Properties of the electrically stimulated auditory nerve: Measures in experimental animals and patients with cochlear implants. 5th Dutch Endo-Neuro-Psycho Meeting. Doorwerth, Netherlands.

***Brown, CJ**, Schmidt-Clay, K., Hay-McCutcheon, M, Etler, C (2005) Effects of Adaptation on the Electrically Evoked Compound Action Potential. Podium presentation at 4th International Symposium and workshops on Objective Measures in Cochlear Implants. Hannover, Germany.

***Brown, CJ,** Abbas, PJ, Etler, C. (2005). Effects of Chronic Electrical Stimulation on The ECAP and EABR in Human Cochlear Implant Users: A Longitudinal Study. Podium presentation at 4th International Symposium and workshops on Objective Measures in Cochlear Implants. Hannover, Germany.

*Abbas, PJ, **Brown, C**, Nourski, K, Miller, C. and Etler, C. (2005). Responses to electrical stimulation in individuals with residual hair cell function. Podium presentation at 4th International Symposium and workshops on Objective Measures in Cochlear Implants. Hannover, Germany.

Abbas, P.J., Etler, C.P., **Brown, C.J.,** Van Voorst, T., Zubrod, L., & Dunn, S. (2004). Comparison of ECAP using Nucleus RP8 and standard NRT recordings. 8th International Cochlear Implant Conference. Indianapolis, IN.

Hay-McCutcheon, J.M., **Brown, C.J.,** & Abbas, P.J. (2004). Peripheral neural adaptation and temporal integration in cochlear implant recipients. 8th International Cochlear Implant Conference. Indianapolis, IN.

***Brown, C.J.,** Etler, C., Abbas, P., Van Voorst, T., Zubrod, L., Dunn, S., Kenworthy, M., & Witt, S. (2004). NRT/NRI and clinical practice. 8th International Cochlear Implant Conference. Indianapolis, IN

Etler, C.P., Abbas, P.J., Hughes, M.L., **Brown, C.J.,** Dunn, S.M., Zubrod,L.J., & Van Voorst, T.L. (2004). Comparison of psychophysical and electrophysiologic measures of channel interaction. 8th International Cochlear Implant Conference. Indianapolis, IN

Hughes ML, Abbas PJ & **Brown CJ (**2002) "The relationship between electrophysiologic and psychophysical measures of spatial spread in cochlear implants." Poster presentation, 7th International Cochlear Implant Conference, Manchester, United Kingdom, September 4-6, 2002.

Abbas PJ, Hughes ML, **Brown CJ**, South H & Miller CA. (2002) "Assessment of spatial selectivity using ECAP to measure neural response." Poster presentation, 7th International Cochlear Implant Conference, Manchester, United Kingdom, September 4-6.

***Brown, C.J.** (2001) Neural Response Telemetry: predicting MAPs. 2nd International Symposium and Workshop on Objective Measures in Cochlear Implantation. Lyon, France.

***Brown, C.**J. (2001) Integration of NRT into the pediatric fitting protocol. NRT Research Workshop. Sponsored by Cochlear Corporation. Lyon, France.

***Brown, CJ**, Abbas, PJ, & Hughes, ML (2001). Clinical applications of NRT. 2nd International symposium and workshop on objective Measures in Cochlear Implantation. Lyon, France.

Abbas, PJ, **Brown, CJ**, & Hughes, ML (2001). Comparison of whole-nerve action potential and perceptual measures in binaurally implanted subjects. 2nd International Symposium and workshop on objective Measures in Cochlear Implantation. Lyon, France.

Johnson, TA & **Brown, CJ** (2001). Preliminary results using the ERA Systems Ltd. device to measure steady-state evoked potential thresholds: Comparing audiometric, SSEP, and ABR thresholds in adults. 17th Biennial Symposium, International Evoked Response Audiometry Study Group, Vancouver, British Columbia, Canada.

Abbas, PJ, **Brown, CJ**, Hughes, ML, Wahl, B, & Gehringer, A (2000). Measurements of electrically evoked responses to pulse trains using neural response telemetry. 5th European Symposium on Paediatric Cochlear Implantation, Antwerp, Belgium.

***Brown, CJ** (2000). Neural Response Telemetry: Pediatric Applications. Invited podium presentation for the 6th International Cochlear Implant Conference. Miami, Florida

***Brown, CJ** (1999). Predicting T/C levels from NRT measures. 6th NRT Workshop sponsored by Cochlear AG, Kiel Germany.

***Brown, CJ** (1999). The Relationship between Neural Response Telemetry Thresholds and Behavioural T- and C-Levels in the Nucleus CI24M Device. Invited talk presented at the European Custom Sound Seminar. Sintra, Portugal.

Gantz, BJ, Hughes, ML, Abbas, PJ, & **Brown, CJ (**1999). Using EAP thresholds to facilitate creating MAPs for children with the Nucleus CI24M. Podium presentation, 2nd Asia Pacific Symposium on Cochlear Implant and Related Sciences, Seoul, South Korea.

***Brown, CJ** (1998)**.** Clinical Applications of Neural Response Telemetry. Invited Faculty for 1st International Symposium and Workshop on Objective Measures in Cochlear Implants, Nottingham, UK.

*Abbas, PJ, **Brown, CJ**, Hughes, ML, & Hong, SH (1998). Temporal response measures of evoked auditory nerve activity using the Nucleus CI24M neural response telemetry. 1st International Symposium and Workshop on Objective Measures in Cochlear Implantation, Nottingham, UK.

Gantz, BJ, **Brown, CJ**, & Abbas, PJ (1998). Experience fitting children's cochlear implants using a neural response telemetry system. 4th European Symposium on Paediatric Cochlear Implantation, Hertongenbosch, The Netherlands.

Abbas, PJ, **Brown, CJ**, Hughes, ML, & Hong, SH (1998). Temporal response measures of auditory nerve activity using the Nucleus CI24M neural response telemetry. 4th European symposium on Paediatric Cochlear Implantation, s'Hertongenbosch, The Netherlands.

Brown, CJ, Abbas, PJ, Hughes, ML, & Hong, SH (1998). Using neural response telemetry to assist in programming of the Nucleus CI24M device. 4th European symposium on Paediatric Cochlear Implantation, s'Hertongenbosch, The Netherlands.

Brown, CJ, Abbas, PJ, Rubinstein, JT, Hughes, M, Moore, S, & Hong, SH (1997) Comparison of Techniques for assessing the integrity of the Nucleus 22-channel cochlear implant. Vth International Cochlear Implant Conference, New York City, NY.

Abbas, PJ, **Brown, CJ**, Dillier, N, Lai, WK, & Heller, J (1997). Measures of the electrically evoked whole nerve action potential using the Nucleus CI24M cochlear implant Vth International Cochlear Implant Conference, New York City, NY.

Abbas, PJ, & **Brown, CJ** (1994). Measures of the electrically evoked whole nerve action potential in guinea pigs using the Nucleus CIC3 experimental implant. International Cochlear Implant, Speech and Hearing Symposium, Melbourne.

***Brown, CJ**, Abbas, PJ, Hughes, ML, & Hong, SH (1998). Assessing electrically evoked auditory nerve activity using the neural response telemetry system of the Nucleus CI24M cochlear implant. 1st International Symposium and Workshop on Oobjective Measures in Cochlear Implantation, Nottingham, UK.

Abbas, PJ, & **Brown, CJ** (1993). Comparison of EAP, EABR and psychophysical data from human cochlear implant users: level effects. Third International Cochlear Implant Conference, Innsbruck, Austria.

b. National

Smith, A, Jeon, E., **Brown, CJ** (2014). Electrophysiologal Verification of Advanced Bionics ClearVoice Strategy in Adults. 2014 ACI Alliance Meeting, Nashville, TN

Brown, C, (2014). Musical Training: Effect on Perception and Electrophysiologic Measures of Discrimination. Podium presentation at the 2014 Annual Meeting of the American Auditory Society. Scottsdale, AZ

Kirby, B, Abbas, P, **Brown, C** (2014). Effects of Nonlinear Frequency Compression on Cortical Potentials and Perception. Poster presented at mentored student research meeting of the 2014 Annual Meeting of the American Auditory Society. Scottsdale, AZ

Kashio, A., Tejani, V, Scheperle, R., **Brown, C.,** Abbas, P. (2014). Exploring the source of neural responses in cochlear implant users Poster presented at mentored student research meeting of the 2014 Annual Meeting of the American Auditory Society. Scottsdale, AZ

Giuliani, N, **Brown, C,** Abbas, P, Etler, C (2013) Cortical and Behavioral Responses to Complex Stimuli in Individuals with a Normal Hearing Ear Contralateral to a Cochlear Implant. Poster presented at the 2013 Conference on Implantable Auditory Prostheses, Lake Tahoe, CA

Brown, C, Abbas, P, Turner, C, Jeon, J, Chiou, L, Kirby, B, Karsten, S, Etler, C. (2011). Cortical Evoked Potentials Recorded from Hybrid CI Users: Effect of Stimulation Mode and Programming Strategy. Poster presentation at the Conference on Implantable Auditory Prostheses, Pacific Grove, CA.

Etler, C., Kirby, B, Fowler, J., **Brown, C.,** VanVoorst, T., Gogel, S., Dunn, C. (2011). C-levels, ECAP Thresholds and Impedance Values for Infants who use the Nucleus Hybrid S12 Cochlear Implant. Poster presentation at the Conference on Implantable Auditory Prostheses, Pacific Grove, CA.

Mussoi, B.S., **Brown, C.J**., Etler, C.P. & Abbas, P.J. (2011). Variability of Behavioral MAP slopes as a function of mean stimulation level. Conference for Implantable Auditory Prosthesis, Pacific Grove, CA.

Jeon, EK, **Brown, CJ,** Etler, CP, O'Brien, SN, Abbas, PJ (2010). The Effect of Programming Methods on Most Comfortable Levels. Poster presentation at the Annual meeting of the American Auditory Society, Scottsdale, AZ.

Jeon, EK, **Brown, CJ,** Etler, CP, O'Brien, SN, Chiou, LK, Abbas, PJ (2010). Electrically Evoked Compound Action Potentials Recorded from Advanced Bionics Cochlear Implant Users. Podium presentation at the Annual meeting of the American Auditory Society, Scottsdale, AZ.

*__Brown, CJ__ (2009). Electrically Evoked Cortical Potentials. Invited podium presentation at the 2009 Conference on Implantable Auditory Prostheses. Lake Tahoe, CA

Abbas, PJ, Etler, CP, O'Brien, SN, and **Brown, CJ**. (2009). Use of Low Level Stimuli to Assess Channel Interaction. Poster presentation at the 2009 Conference on Implantable Auditory Prostheses. Lake Tahoe, CA

*__Brown, CJ__ (2008). Cochlear Implantation and Evoked Potentials: Where Have We Been and Where Are We Going?. Featured Presentation. American Speech Language and Hearing Association Annual Convention. Chicago, Il.

*Tremblay, K and **Brown, CJ** (2008). Assessing Outcomes of Amplification Using Cortical Evoked Potentials. Featured Presentation. American Speech Language and Hearing Association Annual Convention. Chicago, Il.

Vander Werff, K and **Brown, CJ** (2008). Promoting Academic-Research Careers: AARC Award Success Stories American Speech Language and Hearing Association Annual Convention. Chicago, Il.

Kim, JR, Abbas, PJ, Etler, C, O'Brien, S, **Brown, CJ** (2008). The Relationship between Electrically Evoked Compound Action Potential and Speech Perception in Hybrid Cochlear Implant Users. ARO Midwinter Meeting Phoenix AZ.

He, S, **Brown, CJ,** Abbas, PJ, Etler, CP, O'Brien, S, Erenberg, SR. (2007). Electrophysiologic Measures of Binaural Interaction in Bilateral Cochlear Implant Recipients: Comparison with Psychophysical Measures of Pitch Matching. Poster Presentation. Conference on Implantable Auditory Prostheses. Lake Tahoe, CA.

Jeng, FH, Abbas, PJ, **Brown, CJ,** Miller, CA, Robinson, BK, Nourski, KV (2007). Electrically Evoked Auditory Steady-State Responses in a Guinea Pig Model. ARO Midwinter Meeting, Baltimore, MD.

Kim, JR, **Brown, CJ,** Etler, C, He, S, O'Brien, S, Erenberg, S, Abbas, PJ. **(**2007). Effects of Changes in Stimulus Level on Electrically Evoked Cortical Auditory Potentials. Annual Meeting of the American Auditory Society, Scottsdale, AZ.

***Brown, CJ** (2007). Electrically Evoked Auditory Potentials. Invited talk given to Department Otolaryngology – HNS at Indiana University College of Medicine. Indianapolis, IN

***Brown, CJ (**2006). Electrically evoked auditory potentials: The Iowa perspective. Invited talk given to physicians and residents in the Dept. Otolaryngology-HNS, University of North Carolina, Chapel Hill, NC

***Brown, CJ** (2006). Cortical Potentials: Clinical Applications. Invited talk to Evoked Potential Expert Meeting sponsored by Cochlear Corporation, Seattle, WA

***Brown, CJ,** Abbas, PJ, Etler,C, O'Brien, S, Erenberg, S. (2006) Auditory Evoked Potentials and Cochlear Implants: An Update. Invited podium presentation at the 2006 Meeting of the American Academy of Audiology. St. Paul, Minn.

Brown, CJ, Abbas, PJ, Etler,C, O'Brien, S, Erenberg, S. (2006) Recording the Auditory Change Complex from Cochlear Implant Users. Podium presentation at the Annual Meeting of the American Auditory Society, Scottsdale, AZ.

Johnson, TA & **Brown, CJ** (2004). Frequency-specific threshold prediction using the auditory steady-state response (ASSR) and the toneburst auditory brainstem response (ABR): A within-subject comparison. 27th Midwinter Research Meeting, Association for Research in Otolaryngology, Daytona Beach, FL.

***Brown, CJ**, Abbas, PJ, Hughes, M, Etler, C, Dunn, S., & Behrens, A. (2003). "Cochlear implant programming and NRT/NRI" Podium presentation, 9th Symposium of Cochlear implants in Children, Washington, DC.

***Brown, CJ**, Abbas, PJ, Hughes, M, Etler, C, Dunn, S, & Behrens, A (2003). "Initial experience with NRI at the University of Iowa." Podium presentation, Advanced Bionics Technology Update preceding the 9th Symposium on Cochlear Implants in Children, Washington, DC

Abbas, P.J., Brown, C.J., Hughes, M.L., Etler, C.P., Behrens, A., & Dunn, .S. (2003) "The Electrically evoked compound action potential: Channel interaction measures." Podium presentation, Conference on Implantable Auditory Prostheses, Pacific Grove, CA.

Hughes ML, Abbas PJ & **Brown CJ**. (2003). "The relationship between electrophysiologic and psychophysical measures of spatial spread in cochlear implants." Poster presentation, 26th Midwinter Meeting of the Association for Research in Otolaryngology, Daytona Beach, FL, February 23-27.

Hughes ML, Abbas PJ, Dunn SM, **Brown CJ**, Etler CP & Behrens A. (2003) "Comparison of electrophysiologic channel interaction measures between conventional and peri-modiolar electrode arrays." Poster presentation, 9th Symposium on Cochlear Implants in Children, Washington, DC, April 24-26.

Hughes, ML, **Brown, CJ,** Etler, C, Dunn, S, Behrens, A & Abbas, PJ (2003). "Using objective measures for pediatric cochlear implant programming. Podium presentation. American Speech Language and Hearing Association Convention, Chicago, IL.

Jeng, FC, Abbas, PJ, **Brown, CJ**, Miller, CA, Robinson, BK, & Nourski, KV (2003). Electrically evoked auditory steady-state responses. Poster presentation at the Conference on Implantable Prostheses, Pacific Grove, CA

Hughes, ML, Abbas, PJ, **Brown, CJ**, Etler, C, Behrens, A, & Dunn, S. (2003). "Comparison of two methods used to measure the ECAP in subjects implanted with the Clarion CII device." Podium presentation, Objective Measures in Cochlear Implants, Ann Arbor, MI.

Abbas, PJ, Hughes, ML, **Brown, CJ**, Miller, CA, Etler, C, Behrens, A, & Dunn, S. (2003). Physiological assessment of spatial tuning and channel interaction in cochlear implants." Podium presentation, 26th Midwinter Meeting of the Association for Research in Otolaryngology, Daytona Beach, FL

***Brown, CJ (**2003). Implant Programming and Neural Response Telemetry. 9th Symposium on Cochlear Implants in Children. Washington DC.

***Brown, CJ** (2002). Neural Response Telemetry. Where are we now and where are we going? 13th Annual Audiology Videoconference. Mayo Clinic. Rochester.

Hay McCutcheon, **Brown**, C., Schmidt Clay, K., & Seyle, K. (2002). A comparison of EAP and EABR thresholds in Nucleus CI24R Cochlear Implant Recipients. Poster presented at the 24th Midwinter Research Meeting, Association for Research in Otolaryngology, St. Petersburg Beach, FL.

Hughes, ML, **Brown, CJ**, & Abbas, PJ (2001). Infant programming: Combining behavioral & electrophysiological measures. Cochlear Corporation Satellite symposium preceding the 8th Symposium on cochlear Implants in Children, Los Angeles, CA.

Jeng, F.C., Abbas, P.J., **Brown, C.J.**, Miller, C.A., Robinson, B.K., & Nourski, K.V. (2003). Electrically evoked auditory steady-state responses. Poster presentation at the Conference on Implantable Auditory Prostheses, Pacific Grove, CA.

Hughes, M.L., Abbas, P.J**., Brown, C.J.,** Etler, C., Behrens, A., & Dunn, S. (2003) "Comparison of two methods used to measure the ECAP in subjects implanted with the Clarion CII device." Podium presentation, Objective Measures in Cochlear Implants, Ann Arbor, MI.

***Brown, C.J.,** Hughes, M.L., Dunn, S., Etler, C., Behrens, A., & Abbas, P.J. (2003) "Comparison of performance using NRT-based MAPs with a range of other experimental MAPs in adult Nucleus cochlear implant recipients." Podium presentation, Objective Measures in Cochlear Implants, Ann Arbor, MI.

***Brown, C.J.,** Abbas, P.J., Hughes, M.L., Miller, C.A., Etler, C., Behrens, A., & Dunn, S. (2003) "Using NRT to assess channel interaction in cochlear implant users." Podium Presentation, Objective Measures in Cochlear Implants, Ann Arbor, MI.

Abbas, P.J., Hughes, M.L., **Brown, C.J.,** Miller, C.A., Etler, C., Behrens, A., & Dunn, S. (2003) "Simultaneous and non-simultaneous channel interaction measures using the electrically evoked compound action potential." Podium presentation, 9th Symposium on Cochlear Implants in Children, Washington, DC.

Abbas, P.J., Hughes, M.L., **Brown, C.J**., Miller, C.A., Etler, C., Behrens, A., & Dunn, S.(2003) "Physiological assessment of spatial tuning and channel interaction in cochlear implants." Podium presentation, 26th Midwinter Meeting of the Association for Research in Otolaryngology, Daytona Beach, FL.

Hughes, ML, Abbas, PJ, **Brown, CJ**, Seyle, K, & South, H (2001). Assessing spatial spread in straight and modiolar hugging electrode arrays. 8th Symposium on cochlear Implants in Children, Los Angeles, CA.

Johnson, TA & **Brown, CJ** (2001). Within subject comparison of audiometric, steady-ste evoked potential, and auditory brainstem response thresholds. 24th Midwinter Research Meeting, Association for Research in Otolaryngology, St. Petersburg Beach, FL.

Miller, CA, Abbas, PJ, & **Brown, CJ** (2001). Physiological measurements of spatial excitation patterns produced by electrical stimulation (Abstract). Conference on Implantable Auditory Prostheses, Pacific Grove, CA.

Abbas, PJ, **Brown, CJ**, Hughes, ML, Johnson, TA, & Schmidt-Clay, KM (2001). Use of electrophysiological measures to predict MAP thresholds. 8th Symposium on Cochlear Implants in Children, Los Angeles, CA.

Brown, CJ, Johnson, T, & Vander Werff, K (2001). Preliminary Experience with recording SSEPs using the ERA Systems device. 8th Symposium on Cochlear Implants in Children. Los Angeles, CA

Abbas, PJ, Miller, CA, & **Brown, CJ** (2001). Assessment of spatial spread of electrical stimulation in the cochlea. 24th Midwinter Research Meeting, Association for Research in otolaryngology, St. Petersburg Beach, FL.

Hussein, HA, Rubinstein, JT, **Brown, CJ**, Abbas, PJ, Lowder, M, Tyler, RS, & Gantz, BJ (2001). Cochlear implant performance: relationship to preoperative factors, and postoperative electrophysiological measures. 24th Midwinter Research Meeting, Association for Research in Otolaryngology, St. Petersburg Beach, FL.

***Brown, CJ** (2000). Using Electrophysiologic Potentials to Determine Cochlear Implant Candidacy and to Assist with Speech Processor Fitting. Featured Session on Cochlear Implants. American Speech Language and Hearing Association. Washington, DC

***Brown, CJ** (2000). NRT Based Programming Strategies. Cochlear Implant Technology for the New millennium Symposium, Miami Beach, FL.

***Brown, CJ** (2000). Electrically Evoked Whole Nerve Action Potentials: From the Laboratory to the Clinic. Research Symposium, Central Institute for the Deaf and Washington University, St. Louis, MO.

Hughes, ML, **Brown, CJ**, & Abbas PJ (2000). Clinical applications of NRT in children. 12th Annual Convention & Exposition of the American Academy of Audiology, Chicago, IL.

***Brown, CJ**, Hughes, M, Abbas, P, Vander Werff, K, Seyle, K, & Luk, B (2000). From Laboratory to the Clinic: Neural Response Telemetry (NRT). 12th Annual American Academy of Audiology Convention, Chicago, IL.

Rubinstein, J, Tyler, R, & **Brown, CJ**, (2000). Perception of high rate electrical pulse trains and their effects on perception of tinnitus: preliminary results with round window stimulation. 2000 Midwinter Meeting of the Association for Research in Otolarynogology. Clearwater Beach, FL.

Hughes, ML, Abbas, PJ, & **Brown, CJ** (1999). Using EAP thresholds to facilitate creating MAPs for children with the Nucleus CI24M. 11th Annual Convention of the American Academy of Audiology, Miami Beach, FL.

***Brown, CJ**, Firszt, J, & Hughes, ML (1999). Electrically Evoked Auditory Potentials: Clinical Applications. Featured Session, 1999 American Academy of Audiology convention. Miami,

Beach, FL.

***Brown, CJ**, Abbas, PJ, Hughes, ML, Parkinson, A. & Tyler, R (1999). The Relationship Between Eap Growth and Recovery Functions Measured Using the Nucleus Neural Response Telemetry Software and Psychophysical Measures of Loudness and Speech Perception. 1999 Conference on Implantable Auditory Prostheses. Asilomar, CA.

***Brown, CJ** (1999). 2 days of lectures about Neural Response Telemetry at the Cochlear Corporation Sponsored workshop entitled Nucleus 24 Custom Sound Advanced Programming Conference for Audiologists. St. Louis, MO.

Hong, SH, **Brown, CJ**, Hughes, ML, & Abbas, PJ (1998). Electrically evoked compound action potentials using neural response telemetry in CI24M: Refractory recovery function of the auditory nerve. ARO 1998 Midwinter Meeting, St. Petersburg Beach, FL.

Abbas, PJ, **Brown, CJ**, Hughes, ML, Wolaver, AA, Gervais, JP, Hong, SH, & Gantz, BJ (1998). Applications of the Electrically Evoked Compound Action Potential Measured with the Nucleus CI24M Device. 7th Symposium Cochlear Implants in Children. Iowa City, IA.

Hughes, ML, Abbas, PJ, **Brown, CJ**, Hong, SH, Gevais, JP, Wolaver, A, Teagle, HFB, & Kelsay, DMR (1998). Using neural response telemetry to measure electrically evoked compound action potentials in children with the Nucleus CI24M cochlear implant. 7th symposium on Cochlear Implants in Children, Iowa City, IA.

Hong, SH, Abbas, PJ, & **Brown, CJ** (1998). Temporal response measures of the electrically evoked compound action potentials (EAP) using the neural response telemetry system of the Nucleus CI24M device. 7th Symposium on Cochlear Implants in Children, Iowa City, IA.

Brown, CJ, Shallop, J, Firszt, J, Rotz, L, Ash, K., & Staller, S (1998). Neural Response Telemetry and the Nucleus CI24M device**.** 1998 meeting of the Academy of American Audiology, Los Angeles, CA.

Fowler, CG (Moderator), Bauch, CD, **Brown, CJ** Durrant, JD, & Ferraro, JA (1998). Grand Rounds: Challenges with Auditory Evoked Responses. Featured session at the 1998 meeting of the Academy of American Audiology, Los Angeles, CA.

Haskell, GB (Moderator), Boothroyd, A, **Brown, CJ**, Gorga, MP, Miyamoto, RT, & Skinner, MW (1998). Cochlear Implants: Where are we and where should we be going? Featured session at the 1998 meeting of the Academy of American Audiology, Los Angeles, CA.

***Brown, CJ**, & Abbas, PJ (1997). Electrically Evoked Auditory Potentials: Clinical Applications. American Speech-Language-Hearing Association Meeting, Boston, MA

Brown, CJ, Hong, SH, Hughes, M, Lowder, M, Parkinson, W, & Abbas, PJ (1997) Comparisons Between Electrically Evoked Whole Nerve Action Potential (EAP) Thresholds and the Behavioral Levels Used to Program the Speech Processor of the Nucleus CI24m Cochlear Implant. Poster presented at the 1997 Conference on Implantable Auditory Prostheses, Asilomar, CA.

Abbas, PJ, **Brown, CJ**, Hong, SH, Hughes, ML, Miller, CA, Rubinstein, JT, & Dillier, N (1997). Characterization of the electrically evoked whole nerve action potential using different recording methods. Conference on Implantable Auditory Prostheses, Asilomar, CA.

Brown, CJ, Rubinstein, JT, Abbas, PJ, & Gantz, BJ (1996). Comparison of techniques for assessing the integrity of the internal components of the Nucleus 22-channel cochlear implant. 6th Symposium on Cochlear Implants in Children, Miami, FL.

***Brown, CJ** (1996). Using Electrically Evoked Auditory Potentials in the Clinical Management of Pediatric Cochlear Implant Users. Spring Meeting of the Acoustical Society of America, Indianapolis, IN.

Abbas, PJ, & **Brown, CJ** (1995). The relationship between the electrically evoked auditory potentials and performance with the cochlear implant. Conference on Implantable Auditory Prostheses, Asilomar, CA.

Howard, MA, Volkov, I, Ollendieck, M, Damasio, H, Abbas, P, **Brown, C**, & Gantz, B (1995). Chronic microelectrode investigations of human auditory cortex. Society for Neuroscience Abstracts, 21, 1178.

Brown, CJ, Abbas, PJ, Borland, J, & Bertschy, M (1995). The relationship between electrically evoked whole nerve action potentials and psychophysical performance in cochlear implant users. Association for Research in Otolaryngology, St. Petersburg Beach, FL.

Howard, M, Volkov, I, Abbas, P, **Brown, C**, & Damasio, H. (1994). Auditory cortex microelectrode studies in awake humans. Society of Neuroscience Abstracts, 20. 325.

Howard, MA, Volkov, I., Abbas, P, **Brown, C**, Damasio, H., & Gantz, B. (1994). Acute and chronic auditory cortex microelectrode studies in awake humans. (Abstract). Proceedings of the 25th annual Neural Prosthesis Workshop, NIH.

Rapisarda, DE, Mathews, K, **Brown, CJ**, & Smith, RJ (1993). Auditory acuity in the myodystrophy mouse mutant. American Academy of Otolaryngology - Research Forum. Minneapolis, MN.

Gantz, BJ, **Brown, CJ**, & Abbas, PJ (1993). Intraoperative measures of the electrically evoked compound action potential. American Otological Society.

***Brown, CJ** (1993). Intraoperative and Postoperative Measures of The Electrically Evoked Auditory Brainstem Response - Clinical Applications. Invited lecture for the Bloedel Hearing Research Group and the Department of Speech and Hearing Science at the University of Washington, Seattle, WA.

Abbas, PJ, **Brown, CJ**, & Gantz, BJ (1992). Electrically evoked whole-nerve action potentials recorded using different electrode configurations in Ineraid cochlear implant users. Association for Research in Otolaryngology, St. Petersburg Beach, FL.

***Brown, CJ** (1991). Physiological correlates of performance. Invited podium presentation at the 1991 Conference on Implantable Auditory Prostheses. Pacific Grove, CA.

Brown, CJ, Abbas, PJ, & Gantz, BJ (1989). Electrically evoked whole-nerve action potentials recorded from Symbion cochlear implant users. Association for Research in Otolaryngology, St. Petersburg Beach, FL.

Abbas, PJ, & **Brown, CJ** (1989). Electrically evoked brainstem potentials through two different cochlear implant systems. Association for Research in otolaryngology, St. Petersburg Beach, FL.

Abbas, PJ, & **Brown, CJ** (1988). Electrically evoked brainstem potentials in cochlear implant patients with multi-electrode stimulation. Association for Research in Otolaryngology, Clearwater Beach, FL.

Brown, CJ, & Abbas, PJ (1985). A comparison of AP and ABR tuning curves in the guinea pig following noise exposure. Acoustical Society of America, Nashville, TN.

Brown, CJ, Fowler, CA, & Wilson, RH (1983). Temporal integration in a masking level difference paradigm. American Speech-Language-Hearing Association, Cincinnati, OH.

Wilson, RH, Arcos, JT, **Brown, CJ**, & Bennett, LA (1983). The masking-level difference in filtered random and amplitude-modulated noise. American Speech-Language-Hearing Association, Cincinnati, OH.

c. Regional

Brown, CJ (2013). Moving cortical auditory evoked potentials from the laboratory to the clinic. Invited Speaker at the Boys Town National Research Hospital Workshop on Use of Evoked Potentials to Measure Central Auditory Function. Omaha, NE

Brown, CJ (2013). Auditory Neuropathy/Auditory Dys-synchrony: a review for GW AEA school audiologists and deaf educators.

Brown, CJ, Abbas, PJ, Jeon, EK, Etler, C, Kirby, B, Scheperle, R, Mussoi, B, Chiou, L (2012) Cortical auditory evoked potentials: Ongoing work at Iowa. 4th Biennial Midwest Auditory Research Conference, Kansas City, KS

Brown, CJ (2009). Auditory Neuropathy: Trends and Issues. Iowa Speech Language and Hearing Association Meeting, Des Moines, IA

Brown, CJ (2009). Vestibular Evoked Myogenic Potentials (VEMPs): Clinical Applications. Iowa Speech Language and Hearing Association Meeting, Des Moines, IA

Brown, CJ (2006). Threshold Estimation using Auditory Evoked Potentials: A Review of Current Trends in Clinical Practice. Iowa Speech Language and Hearing Association Meeting, Des Moines, IA

Brown, CJ and Niebuhr D (2005). Overview of the Iowa AuD Program. Iowa Speech Language and Hearing Association Meeting, Des Moines, IA

Brown, CJ (2000). New approaches to establishing candidacy for implantation and programming speech processors for infants. Opening celebration of The University of Iowa Otolaryngology Head and Neck Surgery Institute, Iowa City, IA.

Brown, CJ (1998). Clinical applications of Otoacoustic Emissions. Annual Meeting of the Hearing Aid Management Systems Inc. Wisconsin Dells, WI.

Brown, CJ (1997). Review of Intraoperative Electrically Evoked Auditory Potentials Recorded from Auditory Brainstem Implant Users, Cochlear Corporation Workshop, Scottsdale, AZ.

Brown, CJ (1996). Using Electrically Evoked Auditory Potentials in the Clinical Management of Cochlear Implant Patients. Invited lecture at Iowa Conference on Communication Disorders at University of Northern Iowa, Cedar Fall, IA.

Brown, CJ (1995). The Electrically Evoked Auditory Brainstem Response - Clinical Applications. Invited lecture for Department of Speech and Hearing Science at University of Wisconsin, Madison, WI.

Brown, CJ (1993). The Electrically Evoked Auditory Brainstem Response - Clinical Applications. Invited lecture to the Indiana University Cochlear Implant Team and the Department of Otolaryngology at Indiana University, Indianapolis, IN.

Brown, CJ (1993). Initial Results with Clarion Cochlear Implant. Invited lecture to the Indiana University Cochlear Implant Team and the Department of Otolaryngology at Indiana University, Indianapolis, IN.

Brown, CJ (1990). The Electrically Evoked Auditory Brainstem Response. Invited presentation to the Arizona Speech and Hearing Association. Phoenix, AZ.

Brown, CJ (1990). Extratympanic ECoG: Clinical and technical considerations. A workshop for the Audiology section of the Veterans Administration Medical Center. Phoenix, AZ.

7. Pending Decisions Affecting Deliberations

None.

IV. SERVICE

1. Profession

a. Offices held in professional organizations

2011– 2013	ASHA Publications Board. At large member
2009-2012	Site Visitor, Council on Academic Accreditation in Audiology and Speech Language Pathology
2009-2011	Elected member representing the State of Iowa on the Audiology Advisory Council for the American Speech Language Hearing Association
2010	Programming Committee, 2011 Conference on Implantable Auditory Prostheses in Children. Chicago, IL
2009-2010	Faculty and Steering Committee for Sixth International Symposium on Objective Measures Meeting to be held September 2010 in St. Louis, MO (Chair: J. Firszt)
2007-2009	Invited Member, Program committee for 2009 Conference on Implantable Prostheses, Lake Tahoe, CA
2006-pres.	Invited Member, National Audiology Advisory Council for Advanced Bionics
2002-2003	Co-Director, Working Group charged with developing a position statement on Cochlear Implants for the American Speech Language and Hearing Association. 2002-2003.
2002	Member, ASHA group charged w/ critiquing updated version of “Short latency Auditory Evoked Potentials”.
1998-2002	Member, Governance Committee, Iowa Speech Language and Hearing Association.

b. Editorships

2009 - 2011	Invited Guest Section Editor, Ear and Hearing Cochlear Implant Section Managed 5-7 manuscripts per year.
2009 - 2011	Associate Editor, American Journal Audiology
2006 - 2009	Associate Editor, Volta Review
1995 - 1997	Section Editor for Ear and Hearing: Aural Rehabilitation and Cochlear Implants

c. Service on Review Panels

2015	NIH/NIDCD AuD Study Section – Ad Hoc Reviewer – 2/18-19/2015 (R01 and R21 grants)
2014	NIH/NIDCD SREA consultant reviewer – ZRG1-IFM-B-86 Internet Assisted Grant Review 11/12-13/2014 (R15 grants)
2014	NIH/NIDCD Special Emphasis Panel ZDC1 SRB-E (21): Review of Hearing and Balance Pre- and Post-doctoral Fellowship Grants. (F31 and F32 grants
2008-2011	International Reviewer of the Editorial Board of the Official Journal of Speech Language and Hearing Research in Taiwan
2005-2007	Member, Scientific Review Panel for The Volta Review
2004-2005	External Reviewer for AuD programs being started in the Department of Communication Sciences and Disorders at the University of Wisconsin, Madison and Stevens Point.
2004-2005	External Reviewer for AuD programs being started in the Department of Speech and Hearing Science at the University of Washington, Seattle.
2003	Ad Hoc Grant Application reviewer for NIH (special study section on hearing loss in infants)
2001-2005	Consultant: Cochlear Implant Speech Processing Strategies (NIDCD, Margo Skinner, P.I., Washington, University)
1999-2000	Scientific Reviewer: Louisiana Board of Regents Grants
1997-1998	Scientific Reviewer: Swiss National Science Foundation Grants
1990-1995	Scientific Reviewer: Pennsylvania Lions Hearing Research Foundation Grants

d. Other

Ongoing	Periodic Reviewer for several scientific journals including American Journal of Audiology, Ear and Hearing, J. Acoustical Society of America, Hearing Research, Journal of Speech and Hearing Research , Annals of Otology Rhinology and Laryngology, Otology and Neuro-otology, International Journal of Audiology, Otology and Neurotology
2015	External Reviewer, Promotion and Tenure – Ming Zhang, University of _____
2014	External Reviewer, Promotion and Tenure – Phillip Gilley, University of Texas
2014-pres.	Consultant, Shuman He, K23
2014-pres.	Mentor, F32 Litovsky student
2014	Invited Faculty and Program Committee, 2014 International Objective Measures Meeting, Toronto, Ontario
2013-pres.	Consultant, Ruth Litovsky, R01
2013	Consultant, Lisa Potts, K23 Application
2013	Mentor, Pathways to Success Program sponsored by ASHA
2011	Consultant, Shuman He, R03
2009-2010	Consultant, Fuh-Cherng Jeng R03
2010	Consultant, R03 grant Kathy Vander Werff, PhD, Syracuse University

2009	Invited Member of Steering Committee: 2009 Conference on Implantable Auditory Prostheses. Lake Tahoe, CA
2009	Consultant. Chris Runge, PhD R03 Grant.
2009-	Consultant, Marcia Hay-McCutcheon, PhD Cognition, Perception and Neural Processing in Elderly Cochlear Implant Users, K23 grant (pending)
2007-2008	Member, ASHA Program Committee for 2008 Convention.
2007	Consultant: Indiana University Research Support Funds Grant written by Marcia Hay-McCutcheon. "Cortical electrophysiologic responses after cochlear implantation: The relationship between neural responses and speech perception outcomes"
2006,2007	Participated in Sertoma sponsored booth at Iowa State Fair.
2006	Primary Mentor for Advancing Academic-Research Careers Award given to Kathy Vander Werff, Syracuse University.
2005	Member, AuD Summit Meeting sponsored by ASHA. Ft. Lauderdale, Florida
2004	Member, ASHA group charged with putting together seminars dealing with program development for the ASHA convention.
2000	Member, Cochlear Implant Program Committee for ASHA convention.
2000	Member, Advisory Committee for Implants in Children. Sponsored by American Academy in Otolaryngology.
2000	Member, Assessment: Physiologic Measures Subcommittee for ASHA Convention
1998-1999	Iowa Speech and Hearing Association Student Scholarships
1997	Member, Assessment: Physiologic Measures Subcommittee for ASHA Convention
1994	Member, Hearing Science Subcommittee for 1994 ASHA Convention

2. Department of Speech Pathology and Audiology

2015	Member, Faculty Search Committee (AuD line)
2013-pres.	Member, PhD Studies Committee
2013-pres.	Member, AuD Committees: Curriculum, Admissions and Comps
2011-2013	Member, Departmental Executive Committee
2011-2013	Chair, AuD Committees: Curriculum, Admissions and Comps
2012 .	Chair, Faculty Search Committee, Audiology line
2004-2011	Member, AuD Committees: Curriculum, Admissions and Comps
2007-2008	Speakers/Honors Committee
2003-2006	Member, Executive Advisory Committee
2006-2007	Co-Chair, Engagement committee
2001-2006	Chair, AuD Studies Committee
2000-2002	M.A. Admissions Committee
1999-2000	Chair, Audiology Search Committee
	Member, AUD Task Force
	Member, Audiology Supervisor Search Committee
	Member, Audiology Comprehensive Exam Committee
1998-1999	Faculty Advisory Committee, member
	Graduate Student Recruiting/Funding, Chair
	Experimental Subject Review Committee, member
	Ad Hoc committee on Audiology Curriculum Review, Chair
1997-1998	Experimental Subject's Committee, member
	Computer & Equipment Committee, member

3. College of Liberal Arts and Sciences

2013	CLAS Committee to review CDA Applications
2010-2012	CLAS Promotion and Tenure Committee *(Invited)*
2010-2012	Alternate departmental representative, Faculty Assembly Committee
2007-2009	Elected member of CLAS Executive Committee
Spr. 2008	EC representative on the Faculty Assembly Agenda Committee
2006	Internal reviewer of the Department of Women's Studies.

4. University of Iowa

2012-2013	Invited Member, Information Technology Review Group to advise re development of a web based research portal at the UI.
2010-2012	University of Iowa Judicial Review Committee
2007-2008	Family Issue Charter Committee, Member
2004-2007.	Non-Resident Tuition Review Committee, Member.
2002-2003	Faculty Assembly Unit Alternate for the Dept. Speech Path and Audiology
1999-2002	Faculty Assembly Unit Alternate for the Dept. Speech Path and Audiology.
1998-1999	Faculty Assembly Representative for the Dept. Speech Path and Audiology.
1998-2002	Hardin Library Representative for the Dept. Speech Path and Audiology.

5. Community Involvement

2009-2012	Member, Staff Parish Relations Committee, St. Mark's UMC
2009-2011	Member, Weber Before and After School Program, Board of Directors
2003-2005	Member, Weber Before and After School Program, Board of Directors
2000-pres.	Member, St. Mark's United Methodist Church

6. State of Iowa

None