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EDUCATION

William Woods College	1971-72		
University of Kansas	1972-75	B.S.	1975 Speech Pathology
University of Kansas	1975-76	M.A.	1976 Speech Pathology
University of Arizona	1979-81, 1986-90	Ph.D.	1990 Speech & Hearing Sciences Minor: Psychology

Master's Thesis: The Effect of Gestural Training on the Acquisition of Lexical Items

Doctoral Dissertation: Memory Impairment Associated with Stroke and Aphasia

PROFESSIONAL EMPLOYMENT

2001 – present Associate Professor, Department of Speech & Hearing Sciences and
Department of Neurology

2005 – present Member, Graduate Interdisciplinary Program in Cognitive Science, University
of Arizona

2000-2001 Associate Research Scientist, National Center for Neurogenic Communication
Disorders, and Dept. of Speech & Hearing Sciences, Dept. of Neurology

1995-current Consultant, Speech Pathology Section, Tucson Veteran's Affairs Medical
Center
1995-current

Associate Faculty Member of Gerontological Studies, University of Arizona

1991-2000 Assistant Research Scientist, National Center for Neurogenic Communication
Disorders, University of Arizona

1990-2000 Assistant Research Scientist, Departments of Speech & Hearing Sciences and
Neurology, University of Arizona

1990-94 Research Speech-Language Pathologist, Rehab Institute of Tucson

1984-86 Program Coordinator, American Indian Professional Training Program in Speech
Pathology & Audiology, Department of Speech & Hearing Sciences,
University of Arizona

1982-84 Clinical Supervisor and Academic Tutor
American Indian Professional Training Program in Speech Pathology &
Audiology, Department of Speech & Hearing Sciences, University of Arizona

1976-79 Speech-Language Pathologist
Alaska Crippled Children and Adults Speech and Language Center, Fairbanks
Instructor, Speech Pathology, University of Alaska – Fairbanks

HONORS AND AWARDS

- 2006 Opening Keynote Speaker, International Aphasia Rehabilitation Conference, Sheffield, England
- 2004 Keynote Speaker, International Aphasia Rehabilitation Conference, Milos, Greece
- 2001 Fellow, American Speech-Language-Hearing Association
- 1998 Voted to Academy of Aphasia
- 1998 Nominated for Outstanding Faculty Mentor, University of Arizona
- 1996 Elected Coordinator of ASHA Special Interest Division 2: Neurophysiology and Neurogenic Communication Disorders
- 1995 Elected to Steering Committee for ASHA Special Interest Division 2: Neurophysiology and Neurogenic Communication Disorders
- 1987 Faculty/Staff Award: Outstanding Contribution to Native American Students, University of Arizona

PROFESSIONAL CERTIFICATION AND ASSOCIATION MEMBERSHIP

- Certificate of Clinical Competence in Speech-Language Pathology, American Speech-Language-Hearing Association, 1977
- Board Certified by Academy of Neurologic Communication Disorders and Sciences in Neurologic Communication Disorders in Adults, 1994
- Member, American Speech-Language-Hearing Association
- Member, ASHA Special Interest Division #2: Neurogenic Communication Disorders and Sciences
- Member, International Neuropsychological Society
- Member, Academy of Neurologic Communication Disorders and Sciences
- Member, Academy of Aphasia
- Member, Arizona Speech-Language-Hearing Association

SELECTED PUBLICATIONS

Books

- Plante, E. & Beeson, P.M. (2008). *Communication and communication disorders: A clinical introduction, Third Edition*. Needham Heights, MA: Allyn & Bacon.
- Rapp, B. & Beeson, P.M. (Eds.) (2003). *Dysgraphia: cognitive processes, remediation, and neural substrates*. Special volume of *Aphasiology*. Psychology Press: Philadelphia, PA.

Selected Book Chapters

- Beeson, P.M. & Henry, M.L. (2008). Comprehension and production of written words. In R. Chapey (Ed.). *Language intervention strategies in adult aphasia, Fifth Edition*, pp. 654-688. Baltimore, MD: Lippencott, Williams & Wilkins.
- Beeson, P.M. & Holland, A.L. (2007). Aphasia groups in a university setting. In R. Elman (Ed), *Group treatment of neurogenic communication disorders: The expert clinician's approach, Second Edition*. San Diego, CA: Plural Publishing.
- Beeson, P.M. & Rapcsak, S.Z. (2006). Treatment of alexia and agraphia. In J. H. Noseworthy (Ed), *Neurological therapeutics: Principles and practice, Second Edition* (pp. 3045-3060). London: Martin Dunitz.
- Beeson, P.M. & Rapcsak, S.Z. (2006). The aphasias. In P.J. Snyder and P.D. Nussbaum (Eds.), *Clinical neuropsychology: A pocket handbook for assessment, Second Edition* (pp. 436-459). Washington, D.C.: American Psychological Association.
- Beeson, P.M. & Rapcsak, S.Z. (2003). Agraphia. In R.D. Kent (Ed.) *The MIT Encyclopedia of Communication Disorders* (pp. 233-236). Cambridge, MA: The MIT Press.
- Beeson, P.M. & Rapcsak, S.Z. (2003). Neuropsychological assessment and treatment of writing disorders. In P. Halligan, Kischka, and J. Marshall (Eds.) *Oxford Handbook of Clinical Neuropsychology* (pp. 281-301). Oxford, UK: Oxford University Press.
- Rapcsak, S.Z. & Beeson, P.M. (2002). Neuroanatomical correlates of spelling and writing. In A.E. Hillis (Ed.). *Handbook on adult language disorders: Integrating cognitive neuropsychology, neurology, and rehabilitation* (pp. 71-99). Philadelphia: Psychology Press.
- Beeson, P.M. & Rapcsak, S.Z. (2002). Clinical diagnosis and treatment of spelling disorders. In A. E. Hillis (Ed.). *Handbook on adult language disorders: Integrating cognitive neuropsychology, neurology, and rehabilitation* (pp. 101-120). Philadelphia: Psychology Press.
- Rapcsak, S.Z. & Beeson, P.M. (2002). Agraphia. In V.S. Ramachandran (Ed.) *Encyclopedia of the human brain* (pp. 71-86). San Diego: Elsevier Science.
- Beeson, P.M. & Hillis, A.E. (2001). Comprehension and production of written words. In R. Chapey (Ed.). *Language intervention strategies in adult aphasia, Fourth Edition* (pp. 572-595). Baltimore, MD: Lippencott, Williams & Wilkins.
- Rapcsak, S.Z., & Beeson, P.M. (2000). Agraphia. In L.J.G. Rothi, B. Crosson, and S. Nadeau (Eds.) *Aphasia and language: Theory and practice* (pp. 184-220). New York: Guilford.

Selected Journal Publications

- Beeson, P.M., Rising, K., Kim, E.S., & Rapcsak, S.Z. (in press). A novel method for examining response to spelling treatment. *Aphasiology*.
- Henry, M.L, Beeson, P.M., Stark, A.J., & Rapcsak, S.Z. (2007). The role of left perisylvian cortical regions in spelling. *Brain and Language, 100*, 44-52.
- Rapcsak, S.Z., Henry, M.L., Teague, S., Carnahan, S.D., & Beeson, P.M. (2007). Do dual-route models accurately predict reading and spelling performance in individuals with acquired alexia and agraphia? *Neuropsychologia, 45*, 2519-2524.
- Beeson, P.M. & Egnor, H. (2006). Combining treatment for written and spoken naming. *Journal of the International Neuropsychological Society, 12*, 816-827.

- Beeson, P.M. & Robey, R.R. (2006). Evaluating single-subject treatment research: Lessons learned from the aphasia literature. *Neuropsychology Review, 16*, 161-169.
- Orjada, S. & Beeson, P.M. (2005). Concurrent treatment for reading and spelling in aphasia. *Aphasiology, 19*, 341-351.
- Beeson, P.M., Magloire, J., & Robey, R.R. (2005). Letter-by-letter reading: Natural recovery and response to treatment. *Behavioural Neurology, 16*, 191-202.
- Beeson, P.M. (2004). Remediation of written language. *Topics in Stroke Rehabilitation, 11*, 37-48.
- Rapcsak, S.Z. & Beeson, P.M. (2004). The role of left posterior inferior temporal cortex in spelling. *Neurology, 62*, 2221-2229.
- Beeson, P.M., Rapcsak, S.Z., Plante, E., Chargualaf, J., Chung, A., Johnson, S.C. & Trouard, T. (2003). The neural substrates of writing: A functional magnetic resonance imaging study. *Aphasiology, 17*, 647-665.
- Clausen, N. S. & Beeson, P.M. (2003). Conversational use of writing in severe aphasia. *Aphasiology, 17*, 625-644.
- Beeson, P. M., Rising, K., & Volk, J. (2003). Writing treatment for severe aphasia. *Journal of Speech, Language, Hearing Research, 46*, 1038-1060.
- Rapp, B. & Beeson, P.M. (2003). Dysgraphia: cognitive processes, remediation, and neural substrates. *Aphasiology, 17*, 531-534.
- Beeson, P.M., Hirsch, F., & Rewega, M. (2002). Successful single-word writing treatment: Experimental analysis of four cases. *Aphasiology, 16*, 473-491.
- Beeson, P.M., Rewega, M., Vail, S.M., & Rapcsak, S.Z. (2000). Problem-solving approach to agraphia treatment: Interactive use of lexical and sublexical spelling routes. *Aphasiology, 14*, 551-565.
- Beeson, P.M. (1999). Treating acquired writing impairment: Strengthening graphemic representations. *Aphasiology, 13*, 367-386.
- Beeson, P.M. & Insalaco, D. (1998). Acquired alexia: Lessons from successful treatment. *Journal of the International Neuropsychological Society, 4*, 621-635.
- Beeson, P.M., Murray, L.L., & Holland, A.L. (1997). Naming famous people: An examination of tip-of-the-tongue phenomenon in aphasia and Alzheimer's disease. *Aphasiology, 11*, 323-336.
- Beeson, P.M. & Holland, A.L. (1996). Nouveau regard sur les groupes d'aphasiques (A new look at aphasia groups). *Glossa, 50*, 48-51.
- Beeson, P.M., Rubens, A.B., & Kaszniak, A.W. (1995). Anterograde memory impairment in Pick's Disease: Letter to the editor. *Archives of Neurology, 52*, 742.
- Beeson, P.M. & Holland, A.L. (1995). New technologies and intervention approaches: A new look at aphasia groups. *Topics in Stroke Rehabilitation, 2*, 85-88.
- Beeson, P.M., Holland, A.L. & Murray, L.L. (1995). Confrontation naming and the provision of superordinate, coordinate, and other semantic information by individuals with aphasia. *American Journal of Speech-Language Pathology, 4*, 135-138.
- Beeson, P.M., Bayles, K.A., Rubens, A.B., and Kaszniak, A.W. (1993). Memory impairment and executive control in individuals with stroke-induced aphasia. *Brain and Language, 45*, 253-275.
- Rapcsak, S.Z., Beeson, P.M., and Rubens, A.B. (1991). Writing with the right hemisphere. *Brain and Language, 41*, 510-530.

Media Presentations and Participation

- Neurology Grand Rounds: Beeson, P.M. (2006, April). The nature and treatment of acquired impairments of written language. Neurology & Neurosurgery Grand Rounds. University of Arizona Health Sciences Center, Tucson, AZ.
- Telerounds Presenter: Beeson, P.M. (2001, October). Writing treatment for severe aphasia. Telerounds Program #61, National Center for Neurogenic Communication Disorders.
- Telerounds Presenter: Beeson, P.M. & Rapcsak, S.Z. (1995, February). Chronic Broca's aphasia: Evidence for right hemisphere language. Telerounds Program #22, National Center for Neurogenic Communication Disorders.
- Telerounds Presenter: Beeson, P.M. & Holland, A.L. (1994, September). Aphasia groups: An approach to long-term rehabilitation. Telerounds Program #19, National Center for Neurogenic Communication Disorders.

RECENT SCHOLARLY PRESENTATIONS

Professional Conferences

- Beeson, P.M., Henry, M.L., & Rapcsak, S.Z. (2007, February). Predicting reading and spelling performance in acquired alexia and agraphia. Poster presentation at the annual meeting of the International Neuropsychological Society, Portland, OR.
- Beeson, P.M., White, B. & Rapcsak, S.Z. (2007, February). Toward a better understanding of response to agraphia treatment. Poster presentation at the annual meeting of the International Neuropsychological Society, Portland, OR.
- Henry, M.L., Rapcsak, S.Z. & Beeson, P.M. (2007, February). Intensive semantic treatment for lexical retrieval in primary progressive aphasia. Poster presentation at the annual meeting of the International Neuropsychological Society, Portland, OR.
- Rapcsak, S.Z., Henry, M.L., & Beeson, P.M. (2007, February). Alexia with agraphia following damage to left inferior temporo-occipital cortex. Poster presentation at the annual meeting of the International Neuropsychological Society, Portland, OR.
- Rapcsak, S.Z., Henry, M.L., & Beeson, P.M. (2007, February). Reading and spelling: Two sides of the same coin? Poster presentation at the annual meeting of the International Neuropsychological Society, Portland, OR.
- Beeson, P.M., Rising, K., Kim, E.S., & Rapcsak, S.Z. (2007, May). A novel means to examine response to spelling treatment. Poster presentation at the Clinical Aphasiology Conference, Phoenix, AZ.
- Henry, M.L., Rapcsak, S.Z., & Beeson, P.M. (2007, May). Treatment for lexical retrieval in primary progressive aphasia compared with stroke-induced aphasia. Poster presentation at the Clinical Aphasiology Conference, Phoenix, AZ.
- Hirsh, F., Beeson, P.M., & Holland, A.L. (2007, May). Evaluating change in the communication abilities of aphasia group participants: An investigation of informed versus blind responses on the communicative effectiveness index (CETI). Poster presentation at the Clinical Aphasiology Conference, Phoenix, AZ.
- Henry, M.L. & Beeson, P.M. (2007). Treatment for primary progressive aphasia and apraxia of speech: A case study. Platform presentation at the annual meeting of the Academy for Neurological Communication Disorders and Sciences. Boston, MA.

- Beeson, P.M., Balmford, A., & Rapcsak, S.Z. (2006, March). A treatment continuum for phonological alexia and agraphia. Presentation at the World Federation of Neurology Research Group on Aphasia and Cognitive Disorders, Buenos Aires, Argentina.
- Rapcsak, S.Z., Henry, H.L., Beeson, P.M., Baxter, L., Ahern, G.L., & Caselli, R.J. (2006, March). Written language processing in semantic dementia versus left posterior cerebral artery stroke: Similarities and differences. Poster presentation at the World Federation of Neurology Research Group on Aphasia and Cognitive Disorders, Buenos Aires, Argentina.
- Beeson, P.M., Antonucci, S., Henry, M. & Orjada, S. (2005, November). Current perspectives on language and brain organization. Presentation at the American Speech-Language-Hearing Association Annual Convention. San Diego, CA.
- Robey, R.R. & Beeson, P.M. (2005, November). Aphasia treatment: Examining the evidence. Presentation at the American Speech-Language-Hearing Association Annual Convention. San Diego, CA.
- Gutmann, M., Beeson, P.M., Henry, M.L., Sherman, S., & Rapcsak, S.Z. (2005, November). Phonological alexia and agraphia in Parkinson Disease? Poster presentation at the American Speech-Language-Hearing Association Annual Convention. San Diego, CA.
- Yorkston, K., Golper, L., Bayles, K., Beeson, P., Kennedy, M., Robin, D., & Wambaugh, J. (2005, November). Evidence-based practice in neurologic communication disorders: A progress report. Poster presentation at the American Speech-Language-Hearing Association Annual Convention. San Diego, CA.
- Beeson, P.M. & Raymer, A. (2005, February). Language recovery in aphasia: Behavioral outcomes and neural substrates. Invited continuing education course at the 34th Annual Meeting of the International Neuropsychological Society, Boston, MA.
- Antonucci, S.A., Beeson, P.M., Rapcsak, S.Z., & Labiner, D. (2005, February). The role of the left temporal lobe in naming and semantic knowledge. Poster presentation at the 34th Annual Meeting of the International Neuropsychological Society, Boston, MA.

Recent Professional Workshops

- Beeson, P.M. (2007, May). The nature and treatment of aphasia, alexia, and agraphia: From science to clinical practice. Invited two-day workshop at the Rehabilitation Institute of Chicago, Chicago, ILL.
- Beeson, P.M. (2006, February). Assessment and treatment of naming disorders in aphasia. Assessment and treatment of acquired impairments of written language. Invited short courses at the 2006 Illinois Speech-Language-Hearing Association Convention. Chicago, IL.
- Beeson, P.M. (2006, February). Assessment and treatment of naming disorders in aphasia. Assessment and treatment of acquired impairments of written language. Invited short courses at the 2006 Kentucky Convention on Communication Disorders, Louisville, KY.
- Beeson, P.M. (2006, March). Treatment approaches for aphasia, alexia, and agraphia. Invited workshop at the National Rehabilitation Hospital, Washington, DC.
- Beeson, P.M. (2006, June). Aphasia treatment outcomes: Examining the evidence. Invited Keynote Presentation at the International Aphasia Rehabilitation Conference, Sheffield, England.
- Beeson, P.M. (2006, November). Aphasia treatment: Examining the evidence. Invited presentation at the Braintree Rehabilitation Conference, Boston, MA.

GRANTS

Currently Funded Research

Principal Investigator: Beeson, P.M. Developing Evidence-Based Treatments for Agraphia. RO1 DC007646 Grant from NIH/NIDCD (2005-2010).

Co-Principal Investigator: Cognitive mechanisms and neural substrates of written language processing. RO1 DC008286 NIH/NIDCD (2006-2009).

Mentor to Maya Henry. NIH/NRSA F31 Language behavior and patterns of cortical atrophy in primary progressive aphasia. F31 DC009145 (2007-2009).

Completed Research and Training Grants

Co-Principal Investigator: Beeson, P.M. & Glattke, T.J. American Indian Professional Training Program in Speech-Language Pathology & Audiology: A Professional Degree Training Program. Grant G008535046 from the Division of Personnel Preparation, United States Department of Education (1985-88) 100% effort.

Co-Investigator: Comparative Studies of naming impairments in individuals with aphasia and Alzheimer's disease. National Multipurpose Research and Training Grant DC-01409 from the National Institute on Deafness and Other Communication Disorders (1991-1996). 100% effort.

Co-Investigator: Stimulating cognitive processes in the treatment of aphasia. National Multipurpose Research and Training Grant from the National Institute on Deafness and Other Communication Disorders (1996-2001). 100% effort.

Principal Investigator: Beeson, P.M. Exploring the neural substrates of writing rehabilitation using functional magnetic resonance imaging. Small Grant from Office of Vice President for Research at the University of Arizona (1999).

Principal Investigator: Beeson, P.M. The neural substrates for phonological versus lexical spelling procedures. Grant from Cognition and Neuroimaging Laboratories, Arizona Alzheimer's Research Center, Department of Human Services, State of Arizona. (2001-2002).

Principal Investigator: Beeson, P.M. Application of Functional Magnetic Resonance Imaging to the Study of Writing. Small Grants Program in Imaging and Imaging Science, The University of Arizona, State of Arizona. (2002-2003).

Co-Principal Investigator: Rapcsak, S.Z. & Beeson, P.M. Semantic memory in mild cognitive impairment. Grant from Arizona Alzheimer's Disease Core Center. (2004-2005).

Principal Investigator: Beeson, P.M. Neuroplasticity in chronic and progressive aphasia. Grant from Arizona Alzheimer's Disease Core Center. (2005-2006).