

Brenda Rapp

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EDUCATION

B.S. (1979)	Special Education. University of Maryland (College Park, MD)
M.A. (1987)	Psychology. Johns Hopkins University (Baltimore, MD)
Ph.D. (1991)	Psychology. Johns Hopkins University (Baltimore, MD)

PROFESSIONAL SOCIETIES

The Psychonomic Society, The Academy of Aphasia, Neurobiology of Language

PROFESSIONAL EXPERIENCE

2011-	Chair. Cognitive Science Department. Johns Hopkins University.
2003-	Professor. Cognitive Science Department, Johns Hopkins University.
2000-2003	Associate Professor. Cognitive Science Department, Johns Hopkins University.
2000-	Joint Appointment. Department of Neuroscience, Johns Hopkins University.
1998-	Joint Appointment. Department of Psychological and Brain Sciences, Johns Hopkins University.
1994-2000	Assistant Professor. Cognitive Science Department, Johns Hopkins University.
1991-1994	Adjunct Assistant Professor. Cognitive Science Department, Johns Hopkins University.
1990-1994	Associate Research Scientist. Cognitive Science Department, Johns Hopkins University.
1985-1989	Teaching Assistant. Johns Hopkins University.
1982-1985	Research Associate. Study Center Foundation for the Study and Remediation of Learning Disabilities (Madrid, Spain).
1983-1984	Instructor of Psychology and Pedagogy. Blanca Paloma Technical Institute (Granada, Spain).
1981-1982	Instructor of English as a 2nd Language. Miami-Dade Community College (Miami, FL).
1980-1981	Learning Disabilities Teacher. Edgemeade Residential Treatment Center (Croom, MD).
1975-1978	Teacher of ESOL. National Language Institute (Ceuta, Spain). Berlitz.(Madrid, Spain).
1975-1977	Learning Disabilities Teacher. Study Center Foundation (Madrid, Spain).

FUNDING

Principal Investigator. NIDCD P-50/Project PI. Neurobiology of recovery of written naming in acquired dysgraphia. (4/1/2013-3/31/2018).

Principal Investigator. NIDCD grant# R01DC006740 Neuroimaging treatment and recovery of written language@. (6/1/04-5/31/11)

Principal Investigator. NIMH grant #R01DC55758-01A2. Cognitive mechanisms of writing: Lexicon to letter-shape@ (8/97-7/02). .

Co-Principal Investigator. NSF IGERT Program. Problem-centered research training: Integrating formal and empirical methods in the cognitive science of language@ (8/99-7/04).

Co-Principal Investigator. NIH grant #DC01423-01. Mechanisms underlying disorders of naming (8/93-12/95).

Principal Investigator. International Association of Learning Disabilities. A single case approach to cognitive and genetic factors in dyslexia (4/94-4/00).

Co-Principal Investigator. NIH grant # NS34073-2. Mechanisms of Neglect Dyslexia (4/96-3/01).

Co-Principal Investigator. ARASSH (France). Production de L'écriture (7/97-7/00).

EDITORIAL, REVIEWING, INTERNATIONAL EXAMINATIONS

Ad hoc reviewer: *Psychological Review, Acta Psychologica, Aphasiology, Behavioral Neurology, Brain, Brain and Cognition, Brain and Language, Cognition, Cognitiva, Cognitive Neuropsychology, Journal of Memory and Language, Journal of Neuroscience, Language and Cognitive Processes, Memory and Cognition, Neurocase, NeuroImage, Neuropsychologia Latina, Neuropsychological Rehabilitation, Psychological Bulletin, Reading and Writing, Journal of Experimental Psychology: Human Perception and Performance*

Grant reviews:

- Standing panel member NIH Language and Communication Study Section 10/07-10/11.
- Ad hoc panel member for NIH study sections: Perception and Cognition; Sensory Disorders and Language.
- Ad hoc reviewer for NSF Human Perception and Cognition Program

Editorial:

- Editor-in-chief of *Cognitive Neuropsychology* 2010-present
- Editorial Board of *Cognitive Neuropsychology* 2000-2010
- Associate editor (Spanish language) *Cognitiva* 2000-2006

External examiner for Ph.D. defense:

- 2008 Vanessa Costa (Dissertation proposal). University of Trento, Italy.
- 2008 Julia Klitsch. University of Groningen, The Netherlands
- 2007 Saskia Kohnen. Macquarie University, Australia
- 2004 Marie-Line Bosse. University of Grenoble, France
- 1996 Marina Haywood. Macquarie University, Australia

External examiner for HDR (evaluation of aptitude for research supervision; prerequisite for full professorship):

- 2006 Dr. P. Stenneken, Freie Universität Berlin, Germany
- 2001 Dr. P. Bonin, University of Clermont-Ferrand, France
- 1997 Dr. M.J. Tainturier, University of Grenoble, France

Conference organization:

- 5th International Workshop on Language Production. (with M. Miozzo). Annapolis, Md.

- Academy of Aphasia (2003): Program Committee Chair
- Academy of Aphasia (2001-2004): Program Committee
- TENNET (1992-2000): Program Committee

HONORS

- Past-Chair, Board of Governors, Academy of Aphasia (2012-2014)
- Chair, Board of Governors, Academy of Aphasia (2008-2011)
- Board of Governors, Academy of Aphasia (2006-2008)

Advisory Boards:

- 2012-present: Dingwall Foundation
- 2009-present: SCALE (Snyder Center for Aphasia Life Enhancement)
- 2004-2007: Liberty Science Center (Liberty City, NJ)

PUBLICATIONS

Books and Special Issues

Rapp, B. (2011). (Ed.) *Case Series in Cognitive Neuropsychology*. Special Issue of *Cognitive Neuropsychology*.

Miozzo, M. & **Rapp, B.** (Eds). (2011). *The Neural Bases of Language Production*. Special Issue of *Language and Cognitive Processes*.

Rapp, B. & Beeson, P. (Eds). (2003). *Dysgraphia; Cognitive Processes, Remediation and Neural Substrates*. Special Issue of *Aphasiology*.

Rapp, B. (Ed.) (2001). *What Deficits Reveal about the Human Mind/Brain: A Handbook of Cognitive Neuropsychology*. Philadelphia: Psychology Press.

Articles and Chapters

81- Fischer-Baum, S. & **Rapp, B.** (in press). The analysis of perseverations in acquired dysgraphia reveals the internal structure of orthographic representations. *Cognitive Neuropsychology*.

80- Rothlein, D. & **Rapp, B.** (in press). The similarity structure of distributed neural responses reveals the neural representations of letters. *Neuroimage*.

79-Tainturier, M.J., Bosse, M-L, Roberts, D.J., Valdois, S. & **Rapp, B.** (2013). Lexical neighbourhood effects in pseudoword spelling. *Frontiers in Cognitive Science*, 28 November 2013, doi: 10.3389/fpsyg.2013.00862.

78-Purcell, J. & **Rapp, B.** (2013). Identifying functional reorganization of spelling networks: An Individual Peak Probability Comparison approach. *Frontiers in Cognitive Science*, 25 December 2013, doi: 10.3389/fpsyg.2013.00964.

77-Dufor, O. & **Rapp, B.** (2013). Letter representations in writing: an fMRI adaptation approach. *Frontiers in Cognitive Science*, 28 October 2013 | doi: 10.3389/fpsyg.2013.0078.

76-**Rapp, B.**, Buchwald, A. & Goldrick, M. (2013). Integrating accounts of speech production: The devil is in the representational details. *Language, Cognition and Neuroscience*. DOI:10.1080/01690965.2013.848991

- 75-Cohen-Goldberg, A.M. Cholin, J. Miozzo, M., **Rapp, B.** (2013) The interface between morphology and phonology: Exploring a morpho-phonological deficit in spoken production. *Cognition*, 2, 270-286.
- 74-Yoshioka, T. Dillon, M. R., Beck, G.C., **Rapp, B.**, & Landau, B. (2013). Tactile localization on digits and hand: Structure and Development. *Psychological Science*, 24(9), 1653-1663.
- 73-Rapp, B.**, Caplan, D., Edwards, S. Visch-Brink, E. & Thompson, C. (2013). Neuroimaging in aphasia treatment research: Issues of experimental design for relating cognitive to neural changes. *NeuroImage*, 73, 200-207.
- 72- **Rapp, B.** & Fischer-Baum, S. (2013). The representation of orthographic knowledge. In, Ferreira, Goldrick and Miozzo (Eds.) *Oxford Handbook on Language Production*. Oxford University Press. doi: 0.1093/oxfordhb/9780199735471.013.026.
- 71- Dessalegn, B., Landau, B. & **Rapp, B.**, (2012). Consequences of severe visual-spatial deficits for reading acquisition: Evidence from Williams syndrome. *Neurocase*, 19 (4), 328-347.
- 70- Fischer-Baum, S. & **Rapp, B.** (2012). Underlying cause/s of perseveration errors. *Neuropsychologia*. 50(2):305-318.
- 69- **Rapp, B.** (2011). Case series in cognitive neuropsychology: Promise, perils, and proper perspective. *Cognitive Neuropsychology*. 28, (7), 435-44
- 68- Costa, V., Fischer-Baum, S., Capasso, R., Miceli, G., & **Rapp, B.** (2011). Temporal stability and representational distinctiveness: Key functions of orthographic working memory. *Cognitive Neuropsychology*, 5, 338-362.
- 67- Purcell, J., Turkeltaub, P., Eden, G & **Rapp, B.** (2011). Examining the central and peripheral processes of written word production through meta-analysis. *Frontiers in Language Sciences*, 2: 239.
- 66- **Rapp, B.** & Dufor, O. (2011). The neurotopography of written word production: An fMRI investigation of the distribution of sensitivity to length and frequency. *Journal of Cognitive Neuroscience*, 23(12), 4067-4081
- 65- Tsapkini, K., Vindiola, M, **Rapp, B.** (2011). Patterns of brain reorganization subsequent to left fusiform damage: fMRI evidence from visual processing of words and pseudowords, faces and objects. *NeuroImage*. 55, 1357-1372.
- 64- **Rapp, B.** & Miozzo, M. (2011). Introduction to papers from the 5th Workshop on Language Production: The neural bases of language production. *Language and Cognitive Processes*, 26 (7), 869-877.
- 63- **Rapp, B.** & Lipka, K. (2011). The literate brain: The relationship between reading and spelling. *Journal of Cognitive Neuroscience*, 23, 5, 1180-1197. (doi:10.1162/jocn.2010.21507)
- 62- Wolmetz, W., Poeppel, D. & **Rapp, B.** (2011). What does the right hemisphere know about phoneme categories? *Journal of Cognitive Neuroscience*, 23, 3, 552-569.
- 61- Cholin, J., **Rapp, B.** and Miozzo, M. (2010) When do combinatorial mechanisms apply In inflected words? *Cognitive Neuropsychology*, 27, (4), 334-359.
- 60- **Rapp, B.** (2010). Editorial. *Cognitive Neuropsychology*, 27 (1), 1-2.
- 59-Miozzo, M., Costa, A., Hernandez, M. & **Rapp, B.** (2010). Lexical processing in the bilingual brain. *Aphasiology*. 24 (2), 262–287

- 58- Goldrick, M., Folk, J. & **Rapp, B.** (2010). Mrs. Malaprop's neighborhood: Using word errors to reveal neighborhood structure. *Journal of Memory and Language*, 62, 113-134.
- 57-Tsapkini, K. & **Rapp, B.** (2010). The orthography-specific functions of the left fusiform gyrus: Evidence of modality and category specificity. *Cortex*, 46, 185-205.
- 56-Goldrick, M., Dell, G. S., Kroll, J., & **Rapp, B.** (2009). Sequential information processing and limited interaction in language production. *Science* E-letter response to Sahin et al. 2009. and Hagoort & Levelt 2009.
- 55- Buchwald, A. & **Rapp, B.** (2009). Distinctions between orthographic long-term memory and working memory. *Cognitive Neuropsychology*, 26 (8), 724-751
- 54- Jones, A., Folk, J. & **Rapp, B.** (2009). All letters are not equal: Subgraphemic texture in orthographic working memory. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 35(6), 1389-1402.
- 53- **Rapp, B.** & Glucroft, B. (2009). The benefits and protective effects of behavioral treatment for dysgraphia in a case of Primary Progressive Aphasia. *Aphasiology*, 23, 26-.
- 52- Medina, J. & **Rapp, B.** (2008). Phantom tactile sensations modulated by body position. *Current Biology*, 18, 1937-1942.
- 51-Caño, A., **Rapp, B.**, Costa, A. & Juncadella, M. (2008). Deafness for the meanings of number words. *Neuropsychologia*, 46(1), 63-81.
- 50-Goldberg, A. & **Rapp, B.** (2008). Is compound chaining the serial order mechanism of spelling? A simple recurrent network investigation. *Cognitive Neuropsychology*, 25(2), 218-255.
- 49-Menichelli, L., **Rapp, B.** & Semenza, C. (2008). Allographic Agraphia: A case Study. *Cortex*, 44, 861-868.
- 48-Raymer, A.M., Beeson, P., Holland, A., Maher, L.M., Martin, N., Murray, L., Rose, M., Thompson, C. K., Turkstra, L., Altmann, L., Boyle, M., Conway, T., Hula, W., Kearns, K., Kendall, D., **Rapp, B.**, Simmons-Mackie, N., & Gonzalez-Rothi, L.J. (2008). Translational research in aphasia: From neuroscience to neurorehabilitation. *Journal of Speech, Language, and Hearing Research*, 51, S259-275.
- 47-Buchwald, A., **Rapp, B.** & Stone, M. (2007). Insertion of discrete phonological units: An acoustic and articulatory investigation of aphasic speech. *Language and Cognitive Processes*, 22(6), 910-948.
- 46-Goldrick, M. & **Rapp, B.** (2007). Lexical and post-lexical representations in spoken production. *Cognition*, 102, 219-260.
- 45-**Rapp, B.** & Goldrick, M. (2006). Speaking words: Contributions of cognitive neuropsychological research. *Cognitive Neuropsychology*, 23 (1), 39-73.
- 44-McCloskey, M., Macaruso, P. & **Rapp, B.** (2006). Grapheme-to-lexeme feedback in the spelling system: Evidence from a dysgraphic patient. *Cognitive Neuropsychology*, 23 (2), 278-307.
- 43-Buchwald, A. & **Rapp, B.** (2006). Consonants and vowels in orthographic representation. *Cognitive Neuropsychology*, 23(2), 308-337.
- 42-**Rapp, B.** (2005). The relationship between treatment outcomes and the underlying cognitive deficit: evidence from the remediation of acquired dysgraphia. *Aphasiology*, 10/11, 994-1008.

- 41-Folk, J. & **Rapp, B.** (2004). Interaction of lexical and sublexical information in spelling : Evidence from nonword priming. *Applied Psycholinguistics*, 25, 565-585.
- 40-Tainturier, M.J. & **Rapp, B.** (2004). Complex graphemes as functional spelling units: Evidence from acquired dysgraphia. *Neurocase*, 10, 122-131.
- 39-Hillis, A., & **Rapp, B.** (2004). Cognitive and neural substrates of written language comprehension and production. In, M. Gazzaniga (Ed.), *The New Cognitive Neurosciences, 3rd Edition*. Cambridge: MIT Press.
- 38-**Rapp, B.** & Goldrick, M. (2004). Feedback by any other name is still interactivity: A reply to Roelofs' comment on Rapp & Goldrick (2000). *Psychological Review*.
- 37-Tainturier, M.J. & **Rapp, B.** (2003). Is a single graphemic buffer used in reading and spelling? *Aphasiology*, 17 (6/7), 537-562.
- 36-**Rapp, B.** & Hendel, S. K. (2003). Principles of cross-modal competition: Evidence from deficits of attention. *Psychological Bulletin and Review*, 10(1), 210-129.
- 35-Folk, J., **Rapp, B.** & Goldrick, M. (2002). Interaction of lexical and sublexical information in spelling-What=s the point? *Cognitive Neuropsychology*, 19, 53-671.
- 34-**Rapp, B.** (2002). Uncovering the cognitive architecture of spelling. In A. Hillis (Ed.), *Handbook on Adult Language Disorders: integrating Cognitive Neuropsychology, Neurology and Rehabilitation*. Philadelphia: Psychology Press.
- 33-**Rapp, B.** & Caramazza, A. (2002). Selective difficulties with spoken nouns and written verbs: A single case study. *Journal of Neurolinguistics*, 15, 373-402.
- 32-**Rapp, B.**, Epstein, C. & Tainturier, M.J. (2002). The integration of information across lexical and sublexical processes in spelling. *Cognitive Neuropsychology*, 19, 1-29.
- 31-**Rapp, B.**, Hendel, S. & Medina, J. (2002). Remodeling of somatosensory hand representations subsequent to cerebral lesions in adult humans. *NeuroReport*, 13, 1-5.
- 30-**Rapp, B.** & Kane, A. (2002). Remediation of deficits affecting different components of the spelling process. *Aphasiology*, 16, 439-454.
- 29-Goldrick, M. & **Rapp, B.** (2002). A restricted interaction account (RIA) of spoken word production: The best of both worlds. *Aphasiology*, 16, 20-55.
- 28-**Rapp, B.**, Folk, J. & Tainturier, M.J. (2001). Reading words. In B. Rapp (Ed.), *What Deficits Reveal about the Human Mind/Brain: A Handbook of Cognitive Neuropsychology*. Philadelphia: Psychology Press.
- 27-**Rapp, B.** & Gotsch, D. (2001). Cognitive theory in clinical practice. In R. Berndt (Ed.), *Handbook of Neuropsychology, second edition. Volume 2 (Language)*. Amsterdam: Elsevier Science Publishers.
- 26-Tainturier, M.J. & **Rapp, B.** (2001). Spelling words. In B. Rapp (Ed.), *What Deficits Reveal about the Human Mind/Brain: A Handbook of Cognitive Neuropsychology*. Philadelphia: Psychology Press.
- 25-**Rapp, B.** & Goldrick, M. (2000). Discreteness and interactivity in spoken word production. *Psychological Review*, 107, 460-499.
- 24-McCloskey, M. & Rapp, B. (2000). Attention-referenced visual representations: Evidence from impaired visual

localization. *Journal of Experimental Psychology: Human Perception and Performance*, 26, 917-933.

23-McCloskey, M. & **Rapp, B.** (2000). A visually-based developmental reading deficit. *Journal of Memory and Language*, 43, 157-181.

22-Hillis A., **Rapp, B.** & Caramazza, A. (1999). When a rose is a rose in speech but a tulip in writing. *Cortex*, 35, 337-356.

21-**Rapp, B.** & Caramazza, A. (1998). A case of selective difficulty in writing verbs. *Neurocase*, 4, 127-140.

20-Hillis, A., **Rapp, B.**, Benzing, L. & Caramazza, A. (1998). Dissociable coordinate frames in unilateral spatial neglect: A Viewer-centered@ neglect. *Brain and Cognition*, 37, 491-526.

19-Hillis, A. & **Rapp, B.** (1998). Unilateral spatial neglect in dissociable frames of reference: A comment on Farah, Brunn, Wong, Wallace, and Carpenter (1990). *Neuropsychologia*, 36, 1257-1262.

18-**Rapp, B.**, Benzing, L. & Caramazza, A. (1997). The autonomy of lexical orthography. *Cognitive Neuropsychology*, 14, 71-104.

17-**Rapp, B.** & Caramazza, A. (1997). The modality specific organization of grammatical categories: Evidence from impaired spoken and written sentence production. *Brain and Language*, 56, 248-286.

16-**Rapp, B.** & McCloskey, M. (1997). Brain activation and sentence comprehension. *Science (letter)*, 275, 912.

15-**Rapp, B.** & Caramazza, A. (1997). From graphemes to abstract letter shapes: Levels of representation in written spelling. *Journal of Experimental Psychology: Human Perception and Performance*, 23, 1130-1152.

14-Badecker, W., **Rapp, B.** & Caramazza, A. (1996). Lexical morphology and the two orthographic routes. *Cognitive Neuropsychology*, 13(2), 161-175.

13-Hillis, A.E., **Rapp, B.**, & Caramazza, A. (1995). Constraining claims about theories of semantic memory: More on unitary versus multiple semantics. *Cognitive Neuropsychology*, 12, 175-186.

12-McCloskey, M., **Rapp, B.**, Yantis, S., Rubin, G., Bacon, W., Dagnelie, G., Gordon, B., Aliminosa, D., Boatman, D., Badecker, W., D. Johnson, Tusa, R., Palmer, E. (1995). A developmental deficit in localizing objects from vision. *Psychological Science*, 6, 112-117.

11-**Rapp, B.** & Caramazza, A. (1994). Disorders of lexical processing and the lexicon. In M.S. Gazzaniga (Ed.), *The Cognitive Neurosciences*. Cambridge: MIT Press.

10-**Rapp, B.** & Caramazza, A. (1993). On the distinction between deficits of access and storage: A question of theory. *Cognitive Neuropsychology*, 10(2), 113-141.

9-**Rapp, B.**, Hillis, A. & Caramazza, A. (1993). The role of representations in cognitive theory: More on multiple semantics and the agnosias. *Cognitive Neuropsychology*, 10(3), 235-249.

8-**Rapp, B.** (1992). The nature of sublexical orthographic organization: The bigram trough hypothesis examined. *Journal of Memory and Language*, 31, 33-53.

7-**Rapp, B.** & Caramazza, A. (1992). Cognitive neuropsychology: From impaired performance to normal cognitive structure. In, R. Lister & H. Weingartner (Eds.), *Cognitive Neuroscience*. Oxford University Press.

6-**Rapp, B.** & Caramazza, A. (1991). Lexical deficits. In M. Sarno (Ed.), *Acquired Aphasias*. New York: Academic

Press.

5-**Rapp, B.** & Caramazza, A. (1991). Spatially determined deficits in letter and word processing. *Cognitive Neuropsychology*, 8, 275-311.

4-Caramazza, A., Hillis, A., **Rapp, B.** & Romani, C. (1990). The multiple semantics hypothesis: Multiple confusions? *Cognitive Neuropsychology*, 7(3), 161-189.

3-Hillis, A., **Rapp, B.**, Romani, C. & Caramazza, A. (1990). Selective impairment of semantics in lexical processing. *Cognitive Neuropsychology*, 7(3), 191-243.

2-**Rapp, B.** & Caramazza, A. (1989). General to specific access to word meaning: A claim reexamined. *Cognitive Neuropsychology*, 6(2), 251-272.

1-**Rapp, B.** & Caramazza, A. (1989). Letter processing in reading and spelling: Some dissociations. *Reading and Writing: An interdisciplinary Journal*, 1, 13-33.

INVITED PRESENTATIONS

- 2013 Venice Summer School on Aphasia and Language Rehabilitation. IRRC San Camillo. Venice, Italy.
- 2013 NSF Workshop: Linking language and cognition to neuroscience via computation. Arlington, VA.
- 2013 Invited speaker. Workshop on Pure Alexia. University of Copenhagen. Copenhagen, Denmark.
- 2013 Invited lectures. Division of Speech and Hearing Sciences. Hong Kong University. Hong Kong.
- 2012 Eighth International Conference on the Mental Lexicon (Keynote). Montreal, Canada.
- 2012 7th Annual Eleanor M. Saffran Cognitive Neuroscience Conference. Temple University. Philadelphia, PA.
- 2012 University Seminar on Language and Cognition. Barnard College/Columbia University. NY, NY.
- 2011 Georgetown University. Program in Neuroscience. Washington, D.C.
- 2010 Pennsylvania State University. Center for Language Science. State College, PA.
- 2010 Northwestern University. Department of Linguistics/Program in Cognitive Science. Chicago, Ill.
- 2010 28th European Workshop on Cognitive Neuropsychology. Bressanone, Italy
- 2009 University of Pennsylvania. Brain and Language Speaker Series. Institute for Research in Cognitive Science. Philadelphia, Pa.
- 2008 Workshop on Auditory and Audiovisual Language Processing in Aphasia. University of Groningen, The Netherlands.
- 2007 10th Meeting of the Latin-American Society of Neuropsychology (Keynote). Buenos Aires, Argentina.
- 2007 University of Maryland, School of Medicine. Department of Neurology. Grand Rounds.

- Baltimore, Md.
- 2006 3rd International Workshop on Language Production. Chicago, Ill.
- 2006 National Association of Science Writers. 44th Annual New Horizons in Science Briefing. Baltimore, Md.
- 2004 University Pierre Mendes France Department of Psychology. . Grenoble, France.
- 2004 24th European Conference on Cognitive Neuropsychology. Commemoration of 20th anniversary of the journal *Cognitive Neuropsychology*. Bressanone, Italy.
- 2003 British Neuropsychological Society (Keynote) . London, England.
- 2003 University of Maryland. Cognitive Neuroscience lecture series. . College Park, MD.
- 2002 University of Pennsylvania Institute for Research in Cognitive Science. Philadelphia, PA.
- 2002 2nd Meeting of the Australian Society of Neuropsychiatry and Neuropsychology (Keynote). Sydney, Australia.
- 2002 Royal Prince Alfred Hospital. Sydney, Australia.
- 2002 Macquarie University. MACCS (Maquarie Center for Cognitive Science). Sydney, Australia.
- 2002 Johns Hopkins School of Medicine. Dept. of Neurology Cognitive Neurology Speaker Series. . . Baltimore, MD.
- 2001 University of Clermont-Ferrand. Department of Psychology. Clermont-Ferrand, France.
- 2001 The science of aphasia Euro-conference: From theory to therapy. Giens, France.
- 2001 V Symposium on Psycholinguistics. Granada, Spain.
- 2000 University of La Laguna. Department of Psychology. Tenerife, Spain.
- 2000 Twentieth European Workshop on Cognitive Neuropsychology. Bressanone, Italy.
- 1999 University of Wales. Department of Psychology. Bangor, Wales.
- 1998 Summer School on Brain, Mind and Consciousness. Motril, Spain.
- 1998 Summer School on Morphology. Poitiers, France.
- 1998 2nd International Workshop on Neural Modeling of Brain and Cognitive Disorders. College Park, MD.
- 1997 MIT. Department of Brain and Cognitive Sciences. Boston, MA.
- 1997 Harvard University. Department of Psychology.. Boston, MA.
- 1997 Loyola College. Psi Chi Society. Baltimore, MD.
- 1997 Moss Rehabilitation Hospital. Philadelphia, Pa.

- 1997 Université Pierre-Mendès France. Department of Psychology, Grenoble, France.
- 1996 Cognitive Neuroscience Section, NIH. Bethesda, MD.
- 1996 HFSP Workshop on the Neural Basis of Written Language Codes. Bahia, Brazil.
- 1995 Hospitale San Rafaele. Workshop on Cognitive Neuropsychology. Milan, Italy.
- 1994 Max Planck Institute. Nijmegen, The Netherlands.
- 1994 National Institute of Neurology and Neurosurgery. International Workshop on Cognitive Neurology. Mexico City, Mexico.
- 1994 National Institute of Neurology and Neurosurgery. International Workshop on Cognitive Neurology. Mexico City, Mexico.
- 1993 SISSA Workshop in Theoretical Cognitive Neuropsychology. Trieste, Italy.
- 1993 University of Illinois. Department. of Psychology. Urbana, Illinois.
- 1993 Mid-Western Psychological Association. Chicago, Illinois.
- 1991 TENNET. Montreal, Canada.
- 1990 National Rehabilitation Hospital. Washington, D.C.
- 1989 Neurolinguistics Laboratory at Massachusetts General Hospital. Boston, MA.
- 1987 Fort Howard Veterans Administration Hospital. Fort Howard, MD.

INVITED LECTURER

- 2006 Department of Psychology. University of La Laguna. Tenerife, Spain. Graduate seminar (30 hours). Inter-University Ph.D. program in Cognitive Neuroscience.
- 2003 European Summer School: Diploma in Cognitive and Brain Sciences. Senior lecturer (5 hours). Delmenhorst, Germany.
- 2002 Department of Psychology, University of Barcelona. Graduate seminar (20 hours). Barcelona, Spain.
- 1999 Department of Psychology. University of Louvain-la-Neuve. Graduate seminar (16 hours). Louvain-la-Neuve, Belgium.
- 1999 Neuroscience Institute. Graduate seminar (12 hours). Guadalajara, Mexico.
- 1995 University of Mexico. Graduate seminar (12 hours). Mexico City, Mexico.

CONFERENCE PRESENTATIONS

- 2013 Purcell, J. & Rapp, B. Neurobiology of Language. San Diego, CA.

- 2013 Wiley, R. & Rapp, B. Psychonomics. Toronto, Canada.
- 2013 Breining, B. & Rapp, B. Psychonomics. Toronto, Canada.
- 2013 Schubert, T., Rapp, B. & McCloskey, M. Academy of Aphasia. Lucerne, Switzerland.
- 2013 Purcell, J. & Rapp, B. Academy of Aphasia. Lucerne, Switzerland.
- 2013 Rothlein, D & Rapp, B. Visual Sciences Society. Naples, Florida.
- 2012 Breining, B. & Rapp, B. Academy of Aphasia. San Francisco, Ca.
- 2012 Coffman, I & Rapp, B. Academy of Aphasia. San Francisco, Ca.
- 2012 McCloskey, M., Schubert, T., Rothlein, D., Rapp, B., Brandt, J., Sheng, X. Vision Sciences Society. Tampa, FL
- 2012 Coffman, I. & Rapp, B. International Workshop on Language Production. NY, NY.
- 2012 Fischer-Baum, S. & Rapp, B. AMLaP 2012. Riva del Garda, Italy.
- 2012 Cohen Goldberg, A. M., Cholin J., Rapp, B., & Miozzo, M. Workshop on Morphophonology. German Linguistic Society.
- 2011 Rawlins, K., Rapp, B., Sanchez, C. & Miozzo, M. NELS. Toronto. Canada.
- 2011 Wolmetz, M. & Rapp, B. Academy of Aphasia. Montreal, Canada.
- 2011 Rothlein, D. & Rapp, B. Psychonomics Society. Seattle, WA.
- 2011 Rothlein, D. & Rapp, B. Neurobiology of Language. Annapolis, MD.
- 2011 Schubert, R. & Rapp, B. Neurobiology of Language. Annapolis, MD.
- 2011 Breining, B. & Rapp, B. Neurobiology of Language. Annapolis, MD
- 2011 Wolmetz, M. & Rapp, B. Neurobiology of Language. Annapolis, MD
- 2011 Purcell, J., Turkeltaub, P., Rapp, B., Eden, G. Human Brain Mapping. Quebec, Canada.
- 2011 Rothlein, D. & Rapp, B. Cognitive Neuroscience Society. San Francisco, CA.
- 2010 Landau, B., Chen, M., Dillon, M.R., Beck, G., Rapp, B., & Yoshioka, T. Society for Neuroscience. San Diego, CA.
- 2010 Rapp, B. & Dufor, O. Neurobiology of Language. San Diego, CA.
- 2010 Miozzo, M., Shea, J. & Rapp, B. Neurobiology of Language. San Diego, CA.
- 2010 Miozzo, M. & Rapp, B. 48th Meeting of the Academy of Aphasia. Athens, Greece.
- 2010 Dufor, O. Rapp, B. 48th Meeting of the Academy of Aphasia. Athens, Greece.
- 2010 Dufor, O. & Rapp, B. Federation of European Societies of Neuropsychology. Amsterdam, The

Netherlands.

- 2009 Rapp, B., McCloskey, M. Rothlein, D., Lipka, K. & Vindiola, M. Psychonomics Society. Boston, MA.
- 2009 Rapp, B. & Lipka, K. Neurobiology of Language Conference. Chicago, IL
- 2009 Rapp, B. 47th Academy of Aphasia. Boston, MA.
- 2009 Fischer-Baum, S., McCloskey, M. & Rapp, B. Academy of Aphasia. Boston, MA
- 2009 Tsapkini, K. & Rapp, B. Academy of Aphasia. Boston, MA.
- 2009 Wolmetz, K & Rapp, B. Academy of Aphasia. Boston, MA.
- 2008 Fischer-Baum, S. & Rapp, B. Academy of Aphasia. Turku, Finland.
- 2008 Goldberg, A., Buchwald, A. & Rapp, B. Academy of Aphasia. Turku, Finland
- 2008 Rapp, B. & Lipka, K. Academy of Aphasia. Turku, Finland.
- 2008 Tsapkini, K. & Rapp, B. Academy of Aphasia. Turku, Finland
- 2008 Wolmetz, M., Wilson, C. & Rapp, B. Academy of Aphasia. Turku, Finland
- 2008 Yarmolinskaya, J. & Rapp, B. Academy of Aphasia. Turku, Finland
- 2008 Yarmolinskaya, J. & Rapp, B. Conference on the Mental Lexicon. Banff, Canada.
- 2008 Costa, V., Fischer-Baum, S., Miceli, G. & Rapp, B. International Workshop on Language Production. Annapolis, MD.
- 2008 Yarmolinskaya, J.. & Rapp, B. International Workshop on Language Production. Annapolis, MD.
- 2007 Fischer-Baum, S., Rapp, B. & McCloskey, M. Psychonomics Society. Long Beach, Ca.
- 2007 Rapp, B. & Fischer-Baum, S. Psychonomics Society. Long Beach, Ca.
- 2007 Medina, J. & Rapp, B. Psychonomics Society. Long Beach, Ca.
- 2007 Fischer-Baum, S., McCloskey, M. & Rapp, B. Academy of Aphasia. Washington, D.C.
- 2007 Wolmetz, M., Rapp, B., & Poeppel, D. Academy of Aphasia. Washington, D.C.
- 2007 Goldberg, A., Cholin, J., Rapp, B., & Miozzo, M. Academy of Aphasia. Washington, D.C.
- 2007 Cholin, J., Goldberg, A., Bertz, J., Rapp, B., & Miozzo, M. Academy of Aphasia. Washington, D.C.
- 2007 Fischer-Baum, S. Pastor, T., & Rapp, B. Academy of Aphasia, Washington, D.C.
- 2006 Rapp, B., Fischer-Baum, S. and Barriere, I. Conference on the Mental Lexicon. Montreal, Canada.
- 2006 Rapp, B. Glucroft, B., & Tsapkini, K. Conference on the Mental Lexicon. Montreal, Canada.

- 2006 Tsapkini, K. and Rapp, B. Conference on the Mental Lexicon. Montreal, Canada.
- 2006 Tsapkini, K. and Rapp, B. Academy of Aphasia. Victoria, Canada.
- 2006 Buchwald, A. and Rapp, B. Academy of Aphasia. Victoria, Canada.
- 2006 Vindiola, M. and Rapp, B. Rodin Conference. Washington, D.C.
- 2006 Dessalegn, B., Rapp, B. and Landau, B. Rodin Conference. Washington, D.C.
- 2005 Goldberg, A. & Rapp, B. Psychonomics Society. Toronto, Canada.
- 2005 Goldberg, A. & Rapp, B. Academy of Aphasia. Amsterdam, The Netherlands.
- 2005 Barriere, I. & Rapp, B. Academy of Aphasia. Amsterdam, The Netherlands.
- 2005 Rapp, B. & Glucroft. Academy of Aphasia. Amsterdam, The Netherlands.
- 2005 Vindiola, M. & Rapp, B. Academy of Aphasia. Amsterdam, The Netherlands
- 2005 Goldberg, A. & Rapp, B. Cognitive Science Society. Italy.
- 2004 Vindiola, M. & Rapp, B. Regional Conference on Advances in Clinical Auditory Neuroscience: Brain Mapping. Baltimore, MD.
- 2004 Buchwald, A. Smolensky, P. & Rapp, B. Psychonomic Society. Minneapolis, MN.
- 2004 Buchwald, A. & Rapp, B. Academy of Aphasia. Chicago, Illinois.
- 2004 Goldrick, A., Folk, J. & Rapp, B. Academy of Aphasia. Chicago, Illinois.
- 2004 Hsieh, L. & Rapp, B. Academy of Aphasia. Chicago, Illinois.
- 2004 Menichelli, A., Semenza, C. & Rapp, B. Academy of Aphasia. Chicago, Illinois.
- 2003 Buchwald, A. & Rapp, B. The orthographic representation of consonant/vowel status. Psychonomic Society. Vancouver, Canada.
- 2003 Buchwald, A. & Rapp, B. The orthographic representation of consonant/vowel status: Evidence from two cases of acquired dysgraphia. Academy of Aphasia. Vienna, Austria.
- 2003 Rapp, B. Differential effects of remediation of spelling deficits. Aphasia workshop: Current approaches to aphasia therapy-principles and applications. Vienna, Austria.
- 2003 Rapp, B. & Hsieh, L. Functional magnetic resonance imaging of the cognitive components of the spelling process. Human Brain Mapping. New York, NY.
- 2002 Rapp, B. & Kong, D. Revealing the component functions of the graphemic buffer. Academy of Aphasia. New York, NY.
- 2002 Folk, J. & Rapp, B. Slips of the pen and the internal structure of graphemic representations 43rd Annual Meeting of the Psychonomic Society. Kansas City, KS.
- 2002 Rapp, B. & Hsieh, L. Functional magnetic resonance imaging of the cognitive components of the

- spelling process. Cognitive Neuroscience Society Meeting. San Francisco, CA.
- 2002 Medina, J. & Rapp, B. The plasticity of somatosensory representations following cerebral lesions in adult humans. The Cognitive Neuroscience Society Meeting. San Francisco, CA.
- 2001 Kane, A. & Rapp, B. Remediation of deficits affecting different components of the spelling process. 31st Clinical Aphasiology Conference. Santa Fe, NM.
- 2001 Goldrick, M. & Rapp, B. Mrs. Malaprop's neighborhood: Using word errors to reveal neighborhood structure 42nd Annual Meeting of the Psychonomic Society. Orlando, FL.
- 2001 Goldrick, M. & Rapp, B. Mrs. Malaprop's neighborhood: Using word errors to reveal neighborhood structure Academy of Aphasia. Boulder, CO.
- 2000 Goldrick, M. & Rapp, B. Using Malapropisms to reveal neighborhood structure. 2nd International Conference on the Mental Lexicon. Montreal, Canada.
- 2000 Hendel, S., Rapp, B., Vega-Bermudez, F. & Hsiao, S. Plasticity in somatosensory representation subsequent to cortical damage. 41st Annual Meeting of the Psychonomics Society. New Orleans, Louisiana.
- 2000 Tainturier, M.J., Bosse, M.L. Valdois, S., Rapp, B.C. Lexical neighborhood effects in pseudoword spelling. 41st Annual meeting of the Psychonomic Society. New Orleans, Louisiana.
- 2000 Folk, J., Rapp, B. & Kane, A. The purpose of lexical/sublexical interaction in spelling: Evidence from articulatory suppression. The Academy of Aphasia. Montreal, Canada.
- 2000 Folk, J. & Rapp, B. Lexical-sublexical interaction in spelling: enhancing a target=s competitive edge. 41st Annual Meeting of the Psychonomics Society. New Orleans, Louisiana.
- 2000 Tainturier, M.J., Egan, J. & Rapp, B. Structure and texture in graphemic representations: Further evidence from dysgraphia. The Academy of Aphasia. Montreal, Canada.
- 2000 Hendel, S. & Rapp, B. Distinct attentional system for perceptual versus semantic monitoring. Cognitive Neuroscience Society. San Francisco, CA.
- 2000 Hendel, S. & Rapp B. Distinct attentional system for perceptual versus sematnic monitoring. Eastern Psychological Association. Baltimore, Md.
- 2000 Hendel, S. & Rapp, B. Distinct attentional system for perceptual versus semantic monitoring Twentieth European Workshop on Cognitive Neuropsychology. Bressanone, Italy.
- 1999 Rapp, B., Boatman, D. & Gordon, B. The autonomy of lexical orthography: Evidence from cortical stimulation. The Academy of Aphasia. Venice, Italy.
- 1999 McCloskey, M., Macaruso, P. & Rapp, B. Grapheme-to-lexeme feedback in the spelling system: Evidence from dysgraphia. The Academy of Aphasia. Venice, Italy.
- 1999 Goldrick, M. & Rapp, B. & Smolensky, P. Lexical and post-lexical processes in spoken word production. The Academy of Aphasia. Venice, Italy.
- 1999 Rapp, B., Boatman, D. & Gordon, B. The autonomy of lexical orthography: Evidence from cortical stimulation. 40th Annual Meeting of the Psychonomic Society. Los Angeles, CA.
- 1999 McCloskey, M. & Rapp, B. Visually based developmental reading deficit: Implications for normal

- cognition and developmental dyslexia. 40th Annual Meeting of the Psychonomic Society. Los Angeles, CA.
- 1999 Folk, J. & Rapp, B. Interaction between lexical and sublexical processes in spelling. 40th Annual Meeting of the Psychonomic Society. Los Angeles, CA.
- 1999 Hendel, S. & Rapp, B. Tri-modal extinction: Competition across visual, tactile and auditory modalities. 40th Annual Meeting of the Psychonomic Society. Los Angeles, CA.
- 1999 Leek, E.C., Rapp, B.C., & Turnbull, O.H. The analysis of drawing from memory performance in brain-damaged patients. TENNET. Montreal, Canada.
- 1999 Leek, E.C., Turnbull, O.H., Tainturier, M.J. & Rapp, B.C. The quantitative analysis of copy drawing and drawing from memory in brain-damaged patients. Cognitive Neuroscience Society Meeting. Washington, DC.
- 1998 Rapp, B., Folk, J., Boteler, E. & Skultety, K. Structure and texture in graphemic representations. The Academy of Aphasia. Santa Fe, NM.
- 1998 Rapp, B., Folk, J., Boteler, E. & Skultety, K. Structure and texture in graphemic representations. 39th Annual Meeting of the Psychonomic Society. Dallas, TX.
- 1998 McCloskey, M., Macaruso, P. & Rapp, B. Grapheme-to-word feedback in the spelling system. 39th Annual Meeting of the Psychonomic Society. Dallas, TX.
- 1998 Goldrick, M. & Rapp, B. Seriality in spoken word production. 2nd International Workshop on Neural Modeling of Brain and Cognitive Disorders. College Park, MD.
- 1998 Hillis, A., Rapp, B. & Goldrick, M. A Pattern of Phonological Errors in Spoken Word Comprehension and Production: Implications for Interactive Theories of Spoken Language. 2nd International Workshop on Neural Modeling of Brain/Cognitive Disorders. College Park, MD.
- 1997 Rapp, B. & Goldrick, M. The relationship between semantics and phonology in speech production. The Academy of Aphasia. Philadelphia, PA.
- 1997 Rapp, B. The interaction of lexical and sublexical information in spelling: Evidence from brain damage. The 38th Annual Meeting of the Psychonomic Society. Philadelphia, PA.
- 1997 McCloskey, M. & Rapp, B. Involvement of visual perceptual mechanisms in visual imagery: Evidence from a developmental deficit. The 38th Annual Meeting of the Psychonomic Society. Philadelphia, PA.
- 1996 Rapp, B. Interactivity? The relationship between semantics and phonology in speech production. The 37th Annual Meeting of the Psychonomic Society. Chicago, Ill.
- 1996 Leek, E., Rapp, B. & Caramazza, A. The selective impairment of high-level perceptual representations in object recognition: A single case study. The XIV European Workshop on Neuropsychology. Bressanone, Italy.
- 1996 Clausner, T., Rapp, B. & Su, Y.C. Does frequency determine the storage of compounds? Evidence from Chinese. The 18th Annual Conference of the Cognitive Science Society. La Jolla, CA.
- 1995 Rapp, B., Benzing, L. & Caramazza, A. The representation of grammatical category at the level of phonological and orthographic form. The Academy of Aphasia. San Diego, CA.

- 1995 Badecker, W., Rapp, B & Caramazza, A. A modality-neutral lexical deficit affecting morpho-syntactic representations. The Academy of Aphasia. San Diego, CA.
- 1995 McCloskey, M. & Rapp, B. Relating a visual perceptual deficit to a developmental reading impairment. The Academy of Aphasia. San Diego, CA.
- 1995 Su, Y.C. & Rapp, B. The decomposed representation of compounds: Evidence from a case of Chinese dysgraphia. The Academy of Aphasia. San Diego, CA.
- 1995 Rapp, B., Benzing, L. & Caramazza, A. The modality-specific representation of grammatical category. The 36th Annual Meeting of the Psychonomic Society. Los Angeles, CA.
- 1995 McCloskey, M. & Rapp, B. Impaired visual localization and attention-centered visual representations. The 36th Annual Meeting of the Psychonomic Society. Los Angeles, CA.
- 1995 Su, Y.C., Rapp, B. & Clausner, T. Representation of compounds versus phrases: Evidence from Chinese. The 36th Annual Meeting of the Psychonomic Society. Los Angeles, CA.
- 1994 Rapp, B. & Caramazza, A. The representation of letter shape in writing: Evidence from impaired performance. The 35th Annual Meeting of the Psychonomic Society. St. Louis, MO.
- 1994 Leek, E., Rapp, B. & Caramazza, A. Assessing semantics from vision: The case study of a patient with a visual modality-specific naming impairment. Academy of Aphasia, Boston, MA.
- 1994 Rapp, B., Benzing, L. & Caramazza, A. Evidence regarding the independence of orthographic and phonological representations. TENNET. Montreal, Canada.
- 1993 Rapp, B., Alway, D., & Caramazza, A. The syllabic structure of orthographic representations. The 34th Annual meeting of the the Psychonomic Society. Washington, D.C.
- 1993 Rapp, B., Link, K. & Caramazza, A. The role of graphemic representations in reading: Evidence from a deficit to the recognition system. Academy of Aphasia. Tucson, AZ.
- 1992 Rapp, B., Benzing, L., & Caramazza, A. The dissociation of grammatical categories in the spoken vs. written production of a single patient. Academy of Aphasia. Toronto, Canada.
- 1992 Rapp, B., Benzing, L., & Caramazza, A. Visuo-spatial properties of peripheral orthographic representations. TENNET. Montreal, Canada.
- 1992 Badecker, W., Rapp, B. & Caramazza, A. Two types of evidence concerning morphological composition. TENNET. Montreal, Canada.
- 1991 Rapp, B., Benzing, L., & Caramazza, A. Spelling errors and the structure of graphemic representations. TENNET. Montreal, Canada.
- 1991 Rapp, B., Benzing, L., & Caramazza, A. Stimulus characteristics and visual neglect. TENNET. Montreal, Canada.
- 1990 Rapp, B. The nature of the research question in the debate on the use of group and single case studies in cognitive neuropsychology. International Neuropsychological Society. Orlando, FL.
- 1988 Rapp, B. Perceptual processing in a letter-by-letter reader. Academy of Aphasia. Montreal, Canada.