

January 2022

## Vita

<u>Name</u>	Randi C. Martin	
<u>Address</u>	Department of Psychological Sciences, MS-25 Rice University P.O. Box 1892 Houston, Texas 77251 e-mail: rmartin@rice.edu	
<u>Phone</u>	713-348-3417	
<u>Personal</u>	Citizenship - U.S.A.	
<u>Education</u>	B.A. University of Oregon (general social science, mathematics)	1971
	M. A. Portland State University (psychology)	1975
	M.S. Johns Hopkins University (psychology)	1977
	Ph.D. Johns Hopkins University (psychology)	1979

Professional Societies

Member: Academy of Aphasia, American Psychological Association, American Psychological Society, Psychonomic Society, Sigma Xi, American Association for the Advancement of Science, Society for Cognitive Neuroscience, Society of Experimental Psychologists, Women in Cognitive Science

Offices:

Chair, Linguistics and Language Science Section Steering Committee, American Association for the Advancement of Science; chair-elect (2020-2021), chair (2021 – 2022), past chair (2022-2023).

Elected Member-at-large of the Executive Committee of Division 3 (Experimental Psychology) of APA, 2018-2021.

APA/BSA liaison to the AAAS Psychology Section Steering Committee, American Association for the Advancement of Science, 2018-2020.

Member-at-large, Psychology Section Steering Committee, American Association for the Advancement of Science 2015-2019.

Immediate Past Chair of the Governing Board, Academy of Aphasia, 2015-2017.

Chair of the Governing Board, Academy of Aphasia, 2012-2014.

Governing Board, Academy of Aphasia, 2009-2011.

Executive Committee, Council of Graduate Departments of Psychology (COGDOP), 2002-2005.

American Psychological Association: Member, Publications and Communications Board (2000-2005). Chair: 2002.

Women in Cognitive Science – co-organizer of meetings in association with the Psychonomic Society, 2002-2006. Co-organizer: 20<sup>th</sup> Anniversary Meeting (2021). Member of Advisory Panel, 2006-present.

Psychonomic Society - Secretary/Treasurer (1993-1995), Governing Board (1997-2002), Chair of Membership Committee (1999)

Federation of Behavioral, Psychological and Cognitive Sciences - Secretary/Treasurer (1997-1999)

### Honors

Invitation from American Psychological Association's (APA) Science Directorate and Board of Scientific Affairs (BSA) to give Master Lecture in Learning, Behavior, and Action at the APA annual convention in Minneapolis in August 2022.  
 Elected chair of Section Z, Linguistics and Language Science Section, American Association for the Advancement of Science, 2021-2022.  
 Marjorie Corcoran Award for contributions to the advancement of women and underrepresented minorities in STEM fields, Rice University, April 2019.  
 Invited address: Annual Meeting of the Association for Psychological Science, May 2018.  
 Elected member-at-large, Psychology Section Steering Committee, American Association for the Advancement of Science, 2015-2018.  
 Member of External Advisory Panel, Max Planck Institute for Psycholinguistics, Nijmegen, The Netherlands, 2013 – 2021.  
 Invited Lecture, Nijmegen Lectures, Max Planck Institute for Psycholinguistics, Jan. 2013  
 Invited keynote address (Broadbent Lecture) at the European Society of Cognitive Psychology, Sept 2011.  
 Visiting Scholar, Max Planck Institute for Psycholinguistics, July 2011.  
 Elected to Society of Experimental Psychologists, 2006.  
 Fellow of American Psychological Association, Div. 6, (Behavioral Neuroscience and Comparative Psychology), 2005.  
 Fellow of the American Psychological Society, 2003.  
 Elected to Executive Committee, Council of Graduate Departments of Psychology, 2002-2005.  
 Fellow of the American Association for the Advancement of Science, 2001.  
 Elected to Publications and Communication Board, American Psychological Association (2000-2005).  
 Elected to Governing Board of the Psychonomic Society (1997-2002)  
 Fellow of American Psychological Association, Div. 1 (General Psychology), 1997  
 Fellow of American Psychological Association, Div. 3 (Experimental Psychology), 1996  
 Member of Texas Higher Education Coordinating Board, Advisory Committee on Research Programs, 1996-1999.  
 Claude Pepper Award from NIH-NIDCD which provided 7 years of funding for research, 1995-2002  
 Elma Schneider Professor of Psychology, 1995-present  
 Regular member of Sensory Disorders and Language study section, NIH, 1994 - 1997  
 NIMH traineeship in mathematical psychology, 1975-1977  
 Pi Mu Epsilon member (mathematics honorary)

### Professional Experience

Director, T. L. L. Temple Foundation Neuroplasticity Research Laboratory	2014 - present
Chair, Psychology Department, Rice University	2002-2006
Elma Schneider Professor, Psychology Dept., Rice U., Houston, Tx.	1995-present
Professor, Psychology Dept., Rice U., Houston, Tx.	1993-1995
Adjunct Professor, Dept. of Otorhinolaryngology and Communicative Science, Baylor College of Medicine, Houston, Tx.	1982-Present
Director, Cognitive Sciences Program, Rice U., Houston, Tx.	1993-1996, 1998-2002
Associate Professor, Psychology Dept., Rice U., Houston, Tx.	1987-1993
Assistant Professor, Psychology Dept., Rice U., Houston, Tx.	1982-1987

Associate Research Scientist, Psychology Dept., Johns Hopkins University, Baltimore, Md.	1980-1982
Visiting Lecturer, Psychology Board of Studies, University of California, Santa Cruz, Ca.	1979-1980

### Journal Editorships

Senior Editor, *Cognition*, January 2018 – 2020.  
 Editor-in-Chief, *Journal of Experimental Psychology: Learning, Memory, and Cognition*.  
 January 2006 – June 2012  
 Editorial Board (Action Editor), *Memory*, 2002.  
 Guest Editor, Special issue of the *Journal of Memory and Language*, Disorders of Language and Memory, August 2000.  
 Associate Editor, *Cognitive Neuropsychology*, 1998 - 2006.  
 Associate Editor, *Psychonomic Bulletin and Review*, 1995 -1997.

### Editorial Boards

*Frontiers in Psychology*, 2015-  
*J. of Experimental Psychology: Learning, Memory, & Cognition*, 2012-  
*Cognitive Neuropsychology*, 2010 –  
*Psychological Bulletin*, 2002 -2003.  
*Journal of Memory and Language*, 1997 -2003.  
*Journal of Neurolinguistics*, 1993 - 2004.  
*Journal of Experimental Psychology: General*, 1996-2000.  
*Cognitive Neuropsychology*, 1993- 1997.  
*Psychonomic Bulletin and Review*, 1994.

### Grant Support (Current)

*Co-principal investigator or co-investigator*

1. NIH:NIDCD, Co-investigator: “Language and Neural Recovery from Stroke: Role of Selection and Working Memory,” PI: Tatiana Schnur, August 2016-July 2022, \$2,986,240. Rice subcontract: \$651,862.

### Grant support (prior funding)

*Principal investigator*

1. T. L. L. Temple Foundation. “Neuroplasticity Research Laboratory.” \$1,500,000 for construction of laboratory, purchase of equipment, direction of personnel. January 2013 – December 2017.
2. NIH: R01GM088530 “Gatekeepers and Gender Schemas.”, Multiple PI, Overall Program Director: Virginia Valian, Hunter College, September 2009 – August 2014. \$613,512 for Rice subcontract.
3. Social Sciences Research Institute, Rice University, “Recovery from inhibition deficits enhanced by transcranial magnetic stimulation (tDCS): Implications for language recovery.” January 2014 - December 2014. \$29,907.
4. Social Sciences Research Institute, Rice University, D75804, “Combined functional neuroimaging and transcranial magnetic stimulation studies of verbal short-term memory,” January 2011 – December 2011. \$29, 613.
5. National Institutes of Health, F32 DC008723, “The role of short-term memory in sentence production” (post-doctoral support for L. Robert Slevc), June 2007 – June 2010, \$141,318.
6. National Institutes of Health, R01DC00218, "Short-term memory and syntactic deficits in aphasia,"

April 1984 - March 1987, \$113,961 (originally funded as NS 19652)  
 April 1987 - March 1990, \$274,224 (funded as DC00218 for 1989-1990).  
 April 1990 - March 1995, \$487,205  
 April 1995 - March 2002, \$1,011,948 (Claude Pepper Award)  
 April 2002 – August 2009, \$1,173,170

7. National Institutes of Health, R21DC05496, “Neuroimaging of language production using overt speech in fMRI,” April 2002 – March 2006, \$132,340

*Co-Principal Investigator and Co-Investigator*

1. The Institute for Research and Rehabilitation, Houston, TX, Co-PI: “Recovery from Inhibition Deficits Enhanced by Transcranial Direct Current Stimulation (tDCS): Implications for Language Processing.” PI: Simon Fischer-Baum, Oct. 2015 – Oct. 2017, \$60,000.
2. Co-investigator: “The role of executive control in bilingual language acquisition,” *Language Learning* journal, PI: Loan Vuong, Chinese U. of Hong Kong, June 2015-July 2016, \$10,000.
3. Co-investigator: “Language and neuroanatomical change during recovery from stroke” Moody Foundation, PI: Tatiana Schnur, Jan 2014 – Dec 2015. \$142,071.
4. Co-PI: “Lateralization of Language and Memory by Brain Imaging in Children with Temporal Lobe Epilepsy,” Moody Foundation, Jan. 2011 – Dec. 2012. \$254,000 (total). Rice subcontract: \$43,000.
5. Co-PI: “Language and neuroanatomical change during recovery from acute stroke”. Rice University Faculty Initiatives. PI: Tatiana Schnur, June 2008-June 2012. \$60,630.
6. Co-investigator: “Construction of a multimedia database for teaching Neuroscience,” NSF, PI: David Lane. Jan. 2000 – June 2001. \$74,931.
7. NIH Biomedical Research Support Grant, March 1988, "Recovering from garden paths: a study using gaze duration." \$15,000.

Recent Grants (submitted but not funded)

1. Increasing Neuroplasticity and Cognitive Learning by Peripheral Neurostimulation National Institutes of Health (Role: Co-PI, Michael Deem, PI)  
 Dates: 6/17-5/20, Total Award: \$395,479
2. NeuroNex Theory Center: Levels of cognitive performance to neural function National Science Foundation (Role: PI, Michael Deem, Lead PI)  
 Dates: 5/17-4/20, Total Award: \$1,969,288
3. Mathematics of individual differences in cognitive ability and plasticity of learning Keck Foundation (Role: PI, Michael Deem, Lead PI). Dates: 6/17-5/20, Total Award: \$1,000,000
4. Collaborative Research: Understanding Cognitive Performance from Dynamical Analysis of Neural Activation of Content-Specific and Domain General Pathways. NSF: Cognitive Neuroscience. (Role:PI, co-investigators: Deem, Fischer-Baum). Dates: 11/01/17 – 10/30/20. \$558,740.
5. Whole brain vs. task relevant networks: Understanding individual differences in brain and behavior. Rice University, IDEA grant. (Role: PI, Simon Fischer-Baum, Co-Investigators, Martin, Deem, & Vannucci). Dates: 9/1/17 – 8/31/19. \$75,000.

Teaching experience

Undergraduate courses: Cognitive neuroscience, psychology of language, introduction to cognitive psychology, perception, introductory statistics, learning and memory, human

experimental psychology, cognitive science senior seminar, neuropsychology of language and memory

Graduate courses: Cognitive neuroscience, cognitive psychology, psycholinguistics, analysis of variance, measurement, multiple regression, multivariate statistics, working memory

#### University service

Graduate Council member (2021-2022)

Ad-Hoc Faculty Senate Grievance Committee member (2020-2021)

Mentor in Office of Faculty Development Mentoring Program for Humanities and Social Sciences, 2019- present

Neuroscience Steering Committee (2015-2016)

BRC Steering Committee (2014-2015)

Graduate Council member (2013 – 2015)

Social Sciences Advisory Board (2012-2013).

Faculty Senate Advisory Panel on Salaries (2011-2013)

University Committee on Research (2010-2011)

ADVANCE Committee on Climate and Retention (2010-2011)

Advisory Panel, Rice University, NSF ADVANCE Institutional Transformation Award (2005 – 2009).

Advisory Panel for the Study on the Status of Women Faculty (2002-2004)

Neuroscience Program Planning Group (1997 -2010)

Research Council (1998-2002)

Organizer of Ad Hoc Study Group on the Status of Women Faculty at Rice (2001-2002).

Provost Search Committee (1999-2000)

Director, Cognitive Sciences Program (1998-2002)

University Council, Promotion & Tenure Committee (1996 - 1997)

Social Science Dean's Search Committee (1995-1996)

Institutional Review Board (1995, 1997-1998 )

Director, Cognitive Sciences Program (1993-1996)

Self-Study Committee on Research and Scholarship (1993-1994)

Graduate Council (Fall 1990, 1991-1993)

Committee on Sexual Harassment (1991-1992)

Faculty associate of Baker College (Rice U. residential college) (1985-1990)

Chair of Salary Equity Committee (1989-1990)

Baker College Social Science Advisor (1988-1990)

Rice University Press Review Board (1988-1989, 1990-1991)

Chair of Salary Task Force for Rice University Commission on Women (1987-88)

#### Departmental service

Member, Cognitive, Affective RIG search committee (2021-2022).

Head of Cognitive and Affective Neuroscience Research Interest Group (2016- )

Head of Aging/Health Search (2017-2018, 2018-2019)

Chair of Maurin Fund Committee (1997 – 2000, 2006-present)

Member, Graduate Committee (2015- present)

I/O Faculty Search Committee (2016-2017)

Chair, Health Psychology Search Committee (2015-2016)

Member, Research Enhancement Committee (2016- )

Head of Cognitive Neuroscience RIG (2006-2016)

Committee member, Neuroimaging Search Committee (2012)

Chair, Memory Search Committee (2011-2012)

Member, Committee to establish joint program in neuroscience with UT (2009 – 2012)  
 Faculty Steering Committee (2009 – 2012)  
 Chair, Senior I/O Search Committee, 2004.  
 Head of Cognitive Group (1999 -2002)  
 Chair of Graduate Recruiting Committee (2000- 2001)  
 Cognitive Search Committee (1997, 1998, 1999)  
 Chair of Subject Pool Committee (1996 - 1997)  
 Departmental Planning Committee (1996)  
 Undergraduate Advisor, Cognitive Sciences Program (1988-1990, 1992-1993)  
 Director of Graduate Studies for Psychology (1991-1993)

#### Other professional service

1. Co-organizer, 20<sup>th</sup> Anniversary Meeting of Women in Cognitive Science annual meeting, November 2020.
2. Member of external review committee (Fachbeirat) for the Max Planck Institute for Psycholinguistics, Nijmegen, The Netherlands, November 2019.
3. Mentoring committee member, Academy of Aphasia, 2018-2019.
4. Chair of Travel and Mentoring Award Committee, Women in Cognitive Science, Nov. 2019
5. Editor search committee, *J. of Experimental Psychology: Learning, Memory, & Cognition*, American Psychological Association, 2016-2017.
6. Member of external review committee (Fachbeirat) for the Max Planck Institute for Psycholinguistics, Nijmegen, The Netherlands, December 2016.
7. External psychology department university reviewer, University at Albany, State University of New York, April 2016
8. Ad hoc reviewer, NIH:CSR, Fellowship Review Committee, November 2015, February 2016, March 2017, October 2017.
9. Ad hoc reviewer, NIH:DCD, Fellowship Review Committee, October 2015.
10. Reviewer, Loan Repayment Program, NIH, 2010, 2013
11. Ad hoc reviewer, Special Emphasis Panel (Program Project review), NIH, October 2011 & October 2012.
12. Reviewer for Centers of Excellence, Excellence Initiative, Deutsche Forschungsgemeinschaft (DFG), German Research Foundation, Berlin, Germany, December 2010.
13. Ad hoc reviewer, Special Emphasis Panel (Program Project Review), NIH, June 2001.
14. Ad hoc reviewer, Program Project Grants, NIH Deafness and Communication Disorders Institute, Oct. 1998.
15. Special reviewer, Sensory Disorders and Language Study Section, NIH Deafness and Communication Disorders Institute, 1992.
16. Member of site visit team, NIH Neurological Disorders Institute: Massachusetts General Hospital and Harvard University Cognitive Neuropsychology Lab, 1992
17. Member of special study section, Sensory Disorders and Language, NIH Deafness and Communication Disorders Institute, 1991
18. Member of site visit team, NIH Deafness and Communication Disorders Institute: Boston VA Aphasia Research Center, 1990
19. Reviewer for special study section for Academic Research Enhancement Award, National Institutes of Health, 1985-1986.
20. Ad hoc reviewer for Aphasiology, Brain, Brain and Cognition, Brain and Language, Cerebral Cortex, Cognition, Cognitive Psychology, Cortex, J. of Cognitive Neuroscience, Neuropsychologia, Neuropsychological Rehabilitation, Memory and Cognition, Perception and Psychophysics, Journal of Experimental Psychology: Human Perception and Performance,

Proceedings of the National Academy of Sciences, Psychological Review, PLOS-1, Nature Communications, Journal of Memory and Language.

21. External reviewer for promotion cases: 24 cases since 2009 – 2021.

### Community Service

External Advisory Board, Houston Aphasia Recovery Center, 2009 – 2017, chair of professional advisory board (2016-2017), Member of Governing Board, 2018- present.

Invited talk, “Neuroplasticity of Language and Memory,” Friends of Fondren Library Speaker Series, Nov. 2015.

Science Café, “Neuroplasticity of Language and Memory” October 2015, public lecture at Black Lab Pub.

### Research interests

My major research interests are in the psychology and neuropsychology of language. One interest, which I have been pursuing for many years, is the nature of verbal short-term memory and its role in language comprehension and production and in long-term learning. The basic premise being investigated is that there are separable phonological and semantic contributions to short-term memory which play differing roles in sentence comprehension and production. With regard to long-term learning, it is hypothesized that the short-term retention of phonological information is necessary for the development of a long-term memory representation for new phonological forms (i.e., new words) whereas the short-term retention of semantic information is necessary for the long-term learning of new lexical-semantic representations. We have also examined whether language comprehension/production can be related to the basic cognitive control processes of inhibition, set-shifting and updating. A recent direction has been examining the relation of working memory and executive function to narrative language production from the acute stage of stroke to one-year post-stroke, examining behavioral and neural changes during recovery. These issues are being addressed by studying brain-damaged patients with language deficits and by more traditional experimental studies with normal subjects. Recent approaches include multivariate fMRI and multivariate lesion symptom mapping studies of working memory and sentence comprehension and production.

A secondary area of interest has been differences in the content of letters of recommendation for women vs. men and how those differences affect evaluation of applicants for academic positions.

### Dissertations supervised:

Jensen, C. R. (1987). Phonological, graphemic, and semantic interference in immediate visual word recognition. Rice University.

Feher, E. P. (1987). An examination of short-term memory deficits in non-fluent aphasia. University of Houston.

Jonsdottir, M. K. (1990). Semantic deficits in aphasia: Superordinate and basic level knowledge. University of Houston.

Breedin, S. D. (1991). Verb argument structure and its disruption in aphasia. Rice University.

Shelton, J. R. (1993). Semantic priming of lexical and conceptual representations: Manipulating depth of processing of the prime. Rice University.

Bartha, M. (1997). One lump or two? Orthographic representations in reading and spelling. Rice University.

Damian, M. (1998). Semantic and phonological factors in speech production: Evidence from picture-word interference experiments. Rice University. Winner of Rice University Gardner Award for the best dissertation in the Humanities and Social Sciences, 1998.

Hanten, G. (1999). Contributions of phonological and semantic short-term memory to sentence comprehension in normal and head-injured children.

- Freedman, M. (2001). Effects of short-term memory deficits on speech planning and production.
- Wu, D. (2002). Separate short-term memory buffers for input and output phonology.
- Hamilton, C. (2005). Semantic short-term memory and resolution of interference: Patient, ERP and fMRI data.
- Beigler, K. (2006). Competition and inhibition in lexical retrieval: Are common mechanisms used in language and memory tasks?
- Crowther, J. (2008). Mechanisms of lexical access and planning in speech production.
- Vuong, L. (2010). Executive control and garden path recovery. Winner of Rice University Gardner Award for the best dissertation in the Social Sciences 2010.
- Allen, C. (2012). Inhibitory control mechanisms and their role in task switching: A multi-methodological approach. Winner of Rice University Gardner Award for the best dissertation in the Social Sciences 2013.
- Glaser, Y. (2012). The Mechanisms of proactive interference and their relationship with working memory.
- Tan, Y. (2015). The role of working memory in interference resolution during Chinese sentence comprehension: Evidence from event-related potentials (ERPs). Winner of Lodieska Stockbridge Vaughn Fellowship, Rice University.
- Dial, Heather (2016). Sublexical, lexical and phonological short-term memory processes: Evaluating models of speech perception and short-term memory.
- Yan, Hao (2017). Sentence processing in aphasic speakers with short-term memory deficits: Interactions between structural and lexical processing.
- Yue, Qiu hai (2018). Evaluating the buffer vs. embedded processes accounts of verbal short-term memory by using multivariate neuroimaging and brain stimulation approaches. Winner of Rice University Gardner Award for the best dissertation in the Social Sciences 2019.
- Chapman, C. (2019). How do word frequency and semantic diversity affect selection of representations in word processing?

Master's theses supervised:

- Jensen, C. R. (1985). Phonemic priming in the lexical decision task: Evidence for graphemic dependence. Rice University.
- Breedin, S. D. (1988). A comparison of speech and nonspeech discrimination: Implications for theories of speech perception. Rice University.
- Yaffee, L. S. (1990). Aphasic patients' comprehension and production: A comparison of function words and content words. Rice University.
- Shelton, J. R. (1990). Can semantic knowledge organization be revealed through automatic semantic priming? Rice University.
- Bartha, M. (1992). Semantic vs. associative interference effects in scanning of short-term memory. Rice University.
- Shernoff, E. (1994). Investigation of the semantic component of short-term memory in sentence comprehension. Rice University.
- Damian, M. (1996). Effects of association and semantic relatedness under super- and subliminal conditions in the lexical decision task.
- Hanten, G. (1997). A developmental phonological short-term memory deficit: A case study.
- Freedman, M. (1998). Short-term memory deficits and long-term learning: Beyond phonology.
- Katz, M. (1998). The contributions of semantic and phonological representations in verbal recall: A study using sentence repetition.
- He, T. (2001). The role of phonological short-term retention in new vocabulary acquisition.
- Park, N. (2002). Semantic and phonological representations in immediate sentence repetition.



- Biegler, K. (2004). An investigation of semantic and associative relatedness and semantic short-term memory in speech production.
- Cheng, Y. (2004). Selection versus association strength and the role of the left inferior prefrontal cortex in the retrieval of semantic and phonological information.
- Hamilton, A. C. (2004). Proactive interference in semantic and phonological short-term memory deficits.
- Crowther, J. (2006). Inhibition vs. over-activation in word selection: Evidence from aphasia.
- Hong, A. (2007). Semantic priming effects in a patient with semantic STM deficits.
- Vuong, L. (2009). The role of inhibitory control in garden path recovery.
- Allen, C. (2010). Task switching and short-term retention: The role of memory load in task switching performance. Winner of Laughery Award for best master's thesis in the psychology department, 2010.
- Tan, Yingying (2011). Semantic and syntactic interference in sentence comprehension and their relationship to working memory capacity. Winner of Laughery Award for best master's thesis in the psychology department, 2012.
- Hassan, Azli. (2012). Testing the semantic control hypothesis for stroke aphasics with semantic deficits.
- Dial, Heather (2013). Separating Semantic and Phonological Short-Term Memory in Aphasic Patients Using a Novel Concurrent Probe Paradigm
- Chapman, Curtiss (2016). Rethinking the Behavioral Patterns that Dissociate Semantic Dementia and Comprehension-Impaired Stroke Aphasia. Winner of Laughery Award for the best master's thesis in psychology, 2017.
- Horne, Autumn (2021). Investigating the relation between phonological working memory and speech production.
- Zahn, Rachel (2021). The role of phonological working memory in narrative production: Evidence from chronic aphasia.

Post-doctoral fellows supervised:

- Cristina Romani, Ph.D., Johns Hopkins U. (Reader, Aston University, Birmingham, U.K.)
- Mary Lesch, Ph.D., U. of Massachusetts, Amherst. (Cognitive Scientist/Human Factors Specialist, Liberty Mutual Research Institute)
- Michelle Miller, Ph.D., UCLA. (Professor, Northern Arizona U.)
- Hoang Vu, Ph.D., U. of Kansas (Professor, St. Mary's University, Oakland, CA)
- Mary Newsome, Ph.D. Princeton U. (Associate Professor, Baylor College of Medicine)
- Lesley Inglis, Ph.D. Macquarie U.
- Chin-Lung Yang, Ph.D. U. of North Carolina, Chapel Hill (Assistant Professor, City University of Hong Kong)
- Fero Kuminiak, Ph.D. Johns Hopkins University
- Rachel Hull, Ph.D. Texas A & M University (Texas A & M University)
- Linda Mortensen, Ph.D. University of Birmingham, England (University of Denmark)
- Robert Slevc, Ph.D. University of California, San Diego (Associate Professor, University of Maryland).
- A. Cris Hamilton, Ph. D. Rice University (Texas Higher Education Coordinating Board).
- Aurora Ramos, Ph.D. U. of Houston. (Assistant Professor, Coastal College of Georgia).
- Junhua Ding, Ph.D. Beijing Normal University (co-advised with Tatiana Schnur, Baylor College of Medicine).

## Publications

- Yue, Q., & Martin, R. C. (In press.) Components of language processing and their long-term and working memory storage in the brain. In G. Miceli, P. Bartolomeo, & V. Navarro (Eds.), *Handbook of Clinical Neurology Series: The temporal lobe*. Elsevier.
- Zahn, R., Horne, A., & Martin, R. C. (In press). The role of working memory in language comprehension and production. In J. Schwieter & E. Wen (Eds.), *The Cambridge handbook of working memory and language*. Cambridge, UK: Cambridge U. Press.
- Chapman, C., & Martin, R. C. (2022). Effects of word frequency and semantic diversity on single word processing. *Journal of Experimental Psychology: General*. Advance online publication. <https://doi.org/10.1037/xge0001123>
- Chen, X., Martin, R. C., & Fischer-Baum, S. (2021). Challenges in using representational similarity analysis to infer cognitive processes: A demonstration from interactive activation models of word reading. *Proceedings of the Annual Meeting of the Cognitive Science Society*. 43 (43).
- Purcell, J., Rapp, B., & Martin, R. C. (2021). Distinct neural substrates support orthographic and phonological working memory: Implications for theories of working memory. *Frontiers in Neurology*, 12, 12:681141. doi: 10.3389/fneur.2021.681141
- Martin, R. C., Purcell, J., & Rapp, B. (2021). Domain-specific working memory: Perspectives from cognitive neuropsychology. In R.H. Logie, V. Camos, and N. Cowan (Eds.), *Working Memory: State of the Science*. Oxford, UK: Oxford University Press.
- Martin, R. C. (2021). The critical role of semantic working memory in language processing. *Current Directions in Psychological Science*, 30, 283-291.
- Martin, R. C., Ding, J., Hamilton, C., & Schnur, T. (2021). Working memory capacities neurally dissociate. *Cerebral Cortex Communications*, 2, 1-13.
- Yue, Q., & Martin, R. C. (2021). Maintaining verbal short-term memory representations in non-perceptual parietal regions. *Cortex*, 138, 72-89.
- Ramos Nunez, A. I., Yue, Q., Pasalar, S., & Martin, R. C. (2020). The role of the left vs. right superior temporal gyrus in speech perception: An fmri-guided TMS study. *Brain and Language*, 104838
- Ding, J., Martin, R. C., Hamilton, A. C., & Schnur, T. T. (2020). Dissociation between frontal and temporal-parietal contributions to connected speech in acute stroke. *Brain*, 143, 862-868.
- Chapman, C., Hasan, O., Schulz, P. E., & Martin, R. C. (2020). Evaluating the distinction between semantic knowledge and semantic access: Evidence from semantic dementia and comprehension-impaired stroke aphasia. *Psychonomic Bulletin & Review*, 27, 607-639.
- Dial, H., McMurray, B. & Martin, R. C. (2019). Lexical processing depends on sublexical processing: Evidence from the visual world paradigm and aphasia. *Attention, Perception, & Psychophysics*, 81, 1047-1064.
- Martin, R. C. (2019). Semantic short-term memory and its role in sentence processing and long-term memory: Evidence from cases AB and ML. In S. E. MacPherson & G. Della Sala (Eds.), *Cases of amnesia*, pp. 292-314. New York: Routledge.
- Martin, R. C., Schnur, T.T. (2019). Independent contributions of semantic and phonological working memory to spontaneous speech in acute stroke. *Cortex*, 112, 58-68. doi: 10.1016/j.cortex.2018.11.017

- Madera, J.M., Hebl, M.R., Dial, H., Martin, R., Valian, V. (2019). Raising doubt in letters of recommendation for academia: Gender differences and their impact. *Journal of Business and Psychology*, 34,1-17. <https://doi.org/10.1007/s10869-018-9541-1>
- Yan, H., Martin, R. C., & Slevc, L. R. (2018). Lexical overlap increases syntactic priming in aphasia independently of short-term memory abilities: Evidence against the explicit memory account of the lexical boost. *J. of Neurolinguistics*, 48, 76-89. doi: [10.1016/j.jneuroling.2017.12.005](https://doi.org/10.1016/j.jneuroling.2017.12.005)
- Martin, R.C., & Beier, M.E. (2018). Understanding cognition from individual variation: Current state and future directions. *Journal of applied research in memory and cognition*,7, 504-509.
- Yue, Q., Martin, R. C., Hamilton, A. C., Rose, N. S. (2018). Non-perceptual regions in the left inferior parietal lobe support phonological short-term memory: Evidence for a buffer account? *Cerebral Cortex*, 1-16. doi: [10.1093/cercor/bhy037](https://doi.org/10.1093/cercor/bhy037)
- Tan, Y., & Martin, R. C. (2018). Verbal short-term memory capacities and executive function in semantic and syntactic interference resolution during sentence comprehension: Evidence from aphasia. *Neuropsychologia*, 113, 111-125. doi: [10.1016/j.neuropsychologia.2018.03.001](https://doi.org/10.1016/j.neuropsychologia.2018.03.001)
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### Invited Presentations

- Invited colloquium, Cognitive Sciences Department, Johns Hopkins University, Feb. 2020.
- Association for Psychological Science, Invited address, “Brain Connectivity and Cognitive Performance as a Function of Task Complexity”, San Francisco, CA, May 2018.
- Workshop speaker, “Women in Cognitive Science: From National to International Collaboration”, presented at “When Women in Science Get Together,” SISSA, Trieste, Italy, May 2017.
- Workshop speaker, “Self-Regulation and Control in Language Production,” Max Planck Institute for Psycholinguistics, Nijmegen, The Netherlands, Oct. 2015.
- Departmental Colloquium, Florida International University, Psychology Department, October 2014
- The Seventeenth International Conference on Cognitive and Neural Systems, Boston University, Boston, MA, June 2013.
- School of Human Development, U. of Texas at Dallas, Dallas, Tx. March 2013.
- Nijmegen Lectures, The Max Planck Institute for Psycholinguistics, Nijmegen, The Netherlands, January 2013.
- European Society for Cognitive Psychology, San Sebastian, Spain, 2011 (Broadbent Lecture).
- Max Planck Institute for Psycholinguistics, Nijmegen, The Netherlands, July 2011.
- Cognitive Science Society Meeting, Amsterdam, July 2009.
- American Psychological Society, San Francisco, CA., May 2009.
- Departmental Colloquium, Beijing Normal University Psychology Dept., Beijing, PRC, July 2008.
- Invited talk, 2<sup>nd</sup> Annual Eleanor Saffran Memorial Conference, Temple University, September 2007.
- Roy Roberts Memorial Lecture, Psychology Department, University of Kansas, January 2007.
- Invited talk, Workshop on Language Production, Maastricht, The Netherlands, September 2005.
- Departmental colloquium, Kent State University, April 2005.
- Invited talk, Conference on the Place of Inhibitory Processes in Cognition, UT-Arlington, March 2005.
- Invited talk, Memory Conference in Honor of Roddy Roediger, Purdue University, Lafayette, IN, March, 2005

- Invited talk, Workshop on Language Processes and Executive Control, Birmingham, England, Sept. 2004.
- Invited talk, Second International Conference on Working Memory, Kyoto, Japan, August 2004.
- Invited talk, Midwestern Psychological Association, April 2004
- Cognitive Colloquium, Texas A & M, April 2004
- Symposium participant, 20<sup>th</sup> Anniversary of Cognitive Neuropsychology, European Conference on Cognitive Neuropsychology, January 2004.
- Departmental Colloquium, Dartmouth University, October, 2003
- Departmental Colloquium, Columbia University, September 2003
- Cognitive Science Colloquium Series, Georgia Institute of Technology, Atlanta, GA, March 2003
- Invited keynote talk, Quebec STM Conference 2002, Quebec City, Quebec, July 2002
- Department Colloquium, Psychology Department, U. of Texas at Arlington, April 2002.
- Sheldon Lachman Memorial Lecture, Psychology Dept., Wayne State U., Detroit, MI, April 2001.
- Dept. Colloquium, Dept. of Neurobiology and Anatomy, U. of Texas Health Science Center, Houston, Oct. 2000.
- Cognitive Colloquium, U. of Bristol, Bristol, England, Sept. 2000.
- Lecture, Sigma Xi, Houston, Nov. 11, 1999.
- Mind, Brain and Behavior seminar series, American Psychological Association, Boston, MA., Aug. 1999.
- Festschrift for Robert Crowder, Yale U., June 1999 (with Monica Freedman)
- Psychology Dept. Colloquium, U. of Colorado, Boulder, April 1999.
- Colloquium at Neuroscience Dept., Baylor College of Medicine, Houston, Oct. 1998.
- Lecture for research methods course, Trinity University, San Antonio, Oct. 1998.
- Workshop speaker, Brain and Cognitive Neuroscience Workshop, U. of Groningen, The Netherlands, July 1-3, 1998,
- Colloquium, Dept. of Neurology, U. of Maryland Medical School, Baltimore, Md. Dec., 1997.
- Colloquium, Cognitive Sciences Dept., Johns Hopkins University, Baltimore, Md. Dec., 1997.
- Colloquium, Dept. of Neurology, Temple U. School of Medicine, Philadelphia, PA, Nov. 1997.
- Colloquium, Psychology Dept., U. of Illinois, Champaign, IL, Oct., 1997.
- Colloquium, Psychology Dept., U. of Missouri, Columbia, Sept. 1997.
- Colloquium, Psychology Dept., Washington U., St. Louis, Sept. 1997.
- Colloquium, Psychology Dept., U. of Illinois at Chicago, April 1997.
- Colloquium, Psychology Dept., U. of Wisconsin, Madison, April 1997.
- Colloquium, Baycrest Centre, Toronto, Sept. 1996.
- Colloquium, U. of Waterloo, Waterloo, Ontario, Sept. 1996.
- Symposium discussant, Fourteenth European Workshop on Cognitive Neuropsychology, Bressanone, Italy, Jan. 1996.
- George Washington University, Psychology Dept. colloquium, May 1995.
- Invited lecture. Southwestern Psychological Association meeting, San Antonio, Tx, April, 1995
- University of California at San Diego, Center for Human Information Processing, March 1995.
- Symposium on Baddeley's working memory model, Midwestern Psychological Association, Chicago, May 1994.
- Presenter in symposium titled "Short-term memory: Where do we stand?" Psychonomic Society Meeting, San Francisco, 1991.
- Paper presented at the Cognitive Neuropsychology Conference, Harrogate, England, July 1989.
- Paper presented at the International Conference on the Neuropsychology of Short-term Memory, Como, Italy, 1987.

### Other Recent Presentations

- Arif, T., Sarkar, S., Grimme, C., Horne, A., & Martin, R.C. (2021). Investigating the white matter correlates of phonological and semantic working memory. Paper presented at ARMADILLO. Virtual..
- Horne, A., Arif, T., Sarkar, S., Grimme, C., & Martin, R.C. (2021). Investigating the white matter correlates of phonological and semantic working memory. Paper presented at the Annual Meeting of the Academy of Aphasia. Virtual.
- Najera, O., Horne, A., Zahn, R., & Martin, R. C. (2021). Semantic working memory predicts relative clause comprehension: A case series approach. Paper presented at the annual ARMADILLO meeting. Virtual.
- Horne, A., Arif, T., Sarkar, S., Grimme, C., & Martin, R.C. (2021). Investigating the white matter correlates of phonological and semantic working memory. Poster presented at the UT Health Neuroscience Poster Session. Houston, TX..
- Zahn, R., Martin, R. C., (2021) The Role of phonological working memory in narrative production: Evidence from case series and case study analyses of chronic aphasia. Poster presented at the *Academy of Aphasia Annual Meeting*. Virtual.
- Horne, A. & Martin, R.C. (2021). Investigating the white matter correlates of phonological and semantic working memory. Poster presented at the Annual Meeting of the *Cognitive Neuroscience Society*. Virtual..
- Horne, A. & Martin, R.C. (2021). Investigating the white matter correlates of phonological and semantic working memory. Poster presented at the *Society for the Neurobiology of Language*. Virtual..
- Martin, R. C. (2021). Conversational challenges of AI teaming with humans. Symposium organizer and moderator for session at the annual meeting of the American Association for the Advancement of Science.
- Martin, R. History of the Women in Cognitive Science Organization. Presented at the 20th annual meeting of Women in Cognitive Science. Nov. 2020.
- Martin, R. C., & Yue, Q. Domain-specific working memory: Evidence from neuropsychology and neuroimaging. Symposium presentation, Psychonomic Society Meeting, Nov. 2020.
- Martin, R. C., Ding, J., Hamilton, A. C., & Schnur, T. T. Working memory capacities neurally dissociate: Evidence from acute stroke. Paper presented at the annual meeting of the Academy of Aphasia, October 2020.
- Zahn, R., Dial, H., Schnur, T., & Martin, R. C. Semantic working memory supports a phrasal scope of planning in language production: Evidence from acute stroke. Poster presented at the Psychonomic Society Annual Meeting. Nov. 2020
- Zahn, R., Schnur, T., & Martin, R. C. Phonological retrieval mediates the relation of phonological working memory and narrative production. Poster presented at the Society for Neurobiology of Language Annual Meeting. Oct. 2020
- Zahn, R., Dial, H., Schnur, T., & Martin, R. C. Semantic Working Memory Supports a phrasal scope of planning in language production: Evidence from acute stroke. Poster presented at the Academy of Aphasia Annual Meeting. Oct. 2020
- Martin, R. C., Ding, J., Hamilton, A. C., & Schnur, T. T. Working memory capacities neurally dissociate: Evidence from acute stroke. Paper presented at the annual meeting of the Academy of Aphasia, October 2020.
- Zahn, R., Schnur, T. T., & Martin, R. C. Phonological retrieval mediates the relation of phonological short-term memory and narrative production. Poster presented at the meeting of Academy of Aphasia, Macau SAR, Oct. 2019. (Winner of best student paper at the Academy of Aphasia meeting)

- Yue Q. & Martin R. Neuroimaging evidence for a dedicated phonological WM buffer. Presented at the 60<sup>th</sup> Annual meeting of the Psychonomic Society, Montréal, Québec, 2019
- Yue Q. & Martin R. Decoding verbal short-term memory in non-perceptual parietal and frontal regions: evidence for a buffer account. Poster presented at the 26<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society, San Francisco, 2019
- Horne, A. G. & Martin, R. C. Investigating the relation between phonological short-term memory and word production. Poster session presented at the Academy of Aphasia, Macau, China. Oct. 2019
- Horne, A. G. & Martin, R. C. Investigating the relation between phonological short-term memory and word production. Poster session presented at the Annual Meeting of the Psychonomic Society, Montreal, Quebec, Canada. Nov. 2019
- Martin, R.C. Independence of STM and LTM: Evidence from neuropsychology. ARMADILLO, Houston, TX, Oct. 2018.
- Yue Q. & Martin R. Evaluating the buffer vs. embedded processes accounts of verbal short-term memory: evidence from an fMRI study with representational similarity analysis. *Poster presented at the ARMADILLO meeting*, Houston, 2018
- Yue Q., Martin R., Fischer-Baum S., & Deem M. Language and multiple demand regions jointly predict individual differences in sentence comprehension: evidence from a network approach. *Poster presented at the 25<sup>th</sup> Annual Meeting of the Cognitive Neuroscience*, Boston, 2018
- Chapman, C. & Martin, R. C. (2018). Semantic diversity benefits lexical processing. Poster presented at the annual meeting of the Psychonomic Society, New Orleans, LA, USA, November 16, 2018.
- Chapman, C. & Martin, R. C. (2018). Semantic diversity affects word processing similarly for PWA with and without semantic deficits: Evidence against the semantic control hypothesis. Talk presented at the Rice University Cog Tea seminar, Houston, TX, USA, November 12, 2018.
- Chapman, C. & Martin, R. C. (2018). Semantic diversity affects word processing similarly for PWA with and without semantic deficits: Evidence against the semantic control hypothesis. Platform presentation at the Academy of Aphasia, Montreal, Quebec, Canada, October 21, 2018.
- Chapman, C. & Martin, R. C. (2018). Semantic diversity affects word processing similarly for PWA with and without semantic deficits: Evidence against the semantic control hypothesis. Poster presented at the ARMADILLO conference, Houston, TX, USA, September 28, 2018.
- Chapman, C. & Martin, R. C. (2018). Semantic diversity affects word processing similarly for PWA with and without semantic deficits: Evidence against the semantic control hypothesis. Poster presented at the Society for the Neurobiology of Language, Quebec City, Quebec, Canada, August 18, 2018.
- Horne, A., & Martin, R. C. (2018). Investigating the relation between phonological short-term memory and word production. Poster presented at Psychonomic Society's 59<sup>th</sup> annual meeting, New Orleans, LA.
- Ning, S. & Martin, R. C. (2017) Effect of bilingualism on working memory. Poster presented at the Psychonomic Society's 58<sup>th</sup> Annual Meeting, Vancouver, BC, Canada.

- Dial, H., Martin, R. C., & Schnur, T. (2017). Assessing the roles of semantic and phonological short-term memory in language production. Paper presented at the 55<sup>th</sup> annual meeting of the Academy of Aphasia, Baltimore, MD, November.
- Yue, Q., Martin, R. C., Fischer-Baum, S., & Deem, M. (2017). Brain modularity mediates the relation between sentence complexity and behavioral performance. Poster presented at the Armadillo Southwest Cognition Conference, College Station, TX, October.
- Martin, R. C. (2017). Buffer vs. embedded process models of working memory: Evidence from neuropsychology. Paper presented at the 58<sup>th</sup> Annual Meeting of the Psychonomic Society, Vancouver, BC, Canada, November.
- Schnur, T., & Martin, R. C. (2017). Competitive lexical selection and multiword speech. Poster presented at the 55<sup>th</sup> Annual Meeting of the Academy of Aphasia, Baltimore, MD, November.
- Yue, Q., & Martin, R. C. (2017). Converging evidence from univariate and multivariate fMRI analyses suggests a phonological buffer in the left supramarginal gyrus. Poster presented at the 9<sup>th</sup> Annual Meeting of the Society for the Neurobiology of Language, Baltimore, MD, November.
- Yue, Q., & Martin, R. C. (2017). Converging evidence from univariate and multivariate fMRI analyses supports a buffer over an embedded processes account of phonological short-term memory. Poster presented at the Armadillo Southwest Cognition Conference, College Station, TX, October.
- Tan, Y., & Martin, R. C. (2017). Interference and executive control in sentence comprehension: An ERP study of relative clause comprehension in Chinese. Poster presented at the 13<sup>th</sup> ICON: International Conference for Cognitive Neuroscience, Amsterdam, The Netherlands, August.
- Yue, Q., & Martin, R. C. (2017). Language and multiple demand networks jointly predict individual differences in sentence comprehension. Poster presented at the 9<sup>th</sup> Annual Meeting of the Society for the Neurobiology of Language, Baltimore, MD, November.
- Martin, R. C., & Schnur, T. (2017). Semantic short-term memory supports sentence elaboration, faster speech rate, and longer utterance length in narrative production: Evidence from acute stroke. Poster presented at the 55<sup>th</sup> Annual Meeting of the Academy of Aphasia, Baltimore, MD, November.
- Chapman, C., & Martin, R. C. (2017). Semantic control does not related to domain-general components of executive function. Poster presented at the 9<sup>th</sup> Annual Meeting of the Society for the Neurobiology of Language, Baltimore, MD, November.
- Rapp, B., Purcell, J., & Martin, R. C. (2017). The neural basis of phonological and orthographic working memory: Implications for working memory models. Poster presented at the 9<sup>th</sup> Annual Meeting of the Society for the Neurobiology of Language, Baltimore, MD, November.
- Chapman, C., & Martin, R. C. (2017). Working memory is separable from semantic control. Poster presented at the 24<sup>th</sup> Annual Neuroscience Poster Session, University of Texas health Science Center, Austin, TX, December.
- Yue, Q., Martin, R. C., Fischer-Baum, S., Ramos-Nunez, A., Ye, F., & Deem, M. (2016). Modularity mediates the relation between task complexity and performance. Poster presented at the 8<sup>th</sup> Annual Meeting of the Society for the Neurobiology of Language, London, England, August.
- Yan, H., & Martin, R. C. (2016). Dative sentence processing aphasic patients with short-term memory deficits: Implications for the choice of structure during sentence

- production. Poster presented at the 2016 ASHA (American Speech-Language-Hearing Association) Convention, Philadelphia, PA, November.
- Dial, H. R., McMurray, B., & Martin, R. C. (2016). Lexical processing depends on sublexical processing: Evidence from the visual world paradigm with aphasia. Poster presented at the 54<sup>th</sup> Annual Meeting of the Academy of Aphasia, Llandudno, Wales, October.
- Chapman, C., & Martin, R. C. (2016). Do executive deficits underlie semantic deficits in aphasia? Poster presented at the 54<sup>th</sup> Annual Meeting of the Academy of Aphasia, Llandudno, Wales, October.
- Dial, H. R., McMurray, B., & Martin, R. (2016). Evaluating the relationship between sublexical and lexical processing: Evidence from the visual world paradigm. Poster presented at the 57<sup>th</sup> Annual Meeting of the Psychonomic Society, Boston, MA, November.
- Madera, J., Hebl, M., Dial, H., Martin, R. C., & Valian, V. (2016). Raising doubt in letters of recommendation for academia: Gender differences. Poster presented at the 31<sup>st</sup> Annual Conference of the Society for Industrial and Organizational Psychology, Anaheim, CA, April.
- Martin, R. C. (2016). Neuroplasticity. Talk presented in 30<sup>th</sup> anniversary seminar series for the Institute of Biosciences and Bioengineering, Rice University, Houston, TX, April.
- Yue, Q., Dial, H., & Martin, R. C. (2016). Non-perceptual regions in the left supramarginal gyrus support phonological short-term memory: Evidence from lesion-symptom mapping and fMRI studies. Poster presented at the 54<sup>th</sup> Annual Meeting of the Academy of Aphasia, Llandudno, Wales, October.
- Rapp, B., Shea, J., Mis, R., & Martin, R. C. (2016). Domain specificity in orthographic long-term and working memory. Poster presented at the 54<sup>th</sup> Annual Meeting of the Academy of Aphasia, Llandudno, Wales, October.
- Martin, R. C., Schnur, T., & Anderson, J. (2016). Semantic but not phonological working memory supports sentence elaboration in narrative production: Evidence from left hemisphere acute stroke. Paper presented at the 54<sup>th</sup> Annual Meeting of the Academy of Aphasia, Llandudno, Wales, October.
- Martin, R. C. (2014). Embedded process vs. bugger models of working memory: Evidence from neuropsychology and neuroimaging. Poster presented at the Departmental Colloquium, Florida International University, Psychology Department, Miami, FL, October.
- Martin, R. C. (2013). How have things changed since Broca and Wernicke: A contemporary view of the neurobiology of language. Symposium presentation at the Nijmegen Lectures, Max Planck Institute for Psycholinguistics, Nijmegen, The Netherlands, January.
- Martin, R. C. (2013). Memory retrieval and interference during language comprehension. Poster presented at The 17<sup>th</sup> International Conference on Cognitive and Neural Systems, Boston University, Boston, MA, June.
- Martin, R. C. (2013). Working memory, interference resolution, and sentence processing. Presented at Colloquium at the Center for Vital Longevity, UT-Dallas, Dallas, TX, March.
- Baum, S., Nath, A., Hamilton, A. C., Martin, R. C., & Beauchamp, M. (2011). An aphasic patient with damage to the left STS shows no McGurk effect. Poster presented at the 2011 Neurobiology of Language Conference, Annapolis, MD, November.

- Tan, Y., Martin, R. C., & Van Dyke, J. (2011). Interference and working memory in sentence comprehension. Paper presented by Martin at the 52<sup>nd</sup> Annual Meeting of the Psychonomic Society, Seattle, WA, November.
- Tan, Y., \* Martin, R. C. (2011). Interference and working memory in sentence comprehension. Paper presented at CUNY: Conference on Human Sentence Processing, Stanford University, CA.
- Allen, C. M., & Martin, R. C. (2011). Role for phonological short-term memory in global but not local task switch costs. Poster presented at the ESCOP: The European Society on Cognitive Psychology Conference, San Sebastian, Spain, October.
- Tan, Y., & Martin, R. C. (2011). Semantic and syntactic interference in working memory capacity. Paper presented at ESCOP: The European Society for Cognitive Psychology, San Sebastian, Spain, October.
- Martin, R. C., Allen, C. M., & Martin, N. (2011). Semantic short-term memory, semantic processing, and executive function. Paper presented at the International Conference on Memory, York, England, August.
- Martin, R. C. (2011). Working memory and language processing An updated multiple-components view. The Broadbent Lecture, presented at ESCOP: The European Society for Cognitive Psychology, San Sebastian, Spain, October.
- Martin, R. C., Tan, Y., & Van Dyke, J. (2011). Working memory, retrieval interference, and sentence comprehension deficits in aphasia. Paper presented at the 49<sup>th</sup> Annual Meeting of the Academy of Aphasia, Montreal, Quebec, Canada, October.
- Martin, R. C. (2010). The left interior frontal gyrus, interference resolution, and semantic short-term memory. Poster presented at the 13<sup>th</sup> Annual Meeting of the Cognitive Neuroscience Society, Montreal, Canada, April.