

## Ken McRae

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**Google Scholar:** <https://scholar.google.ca/citations?user=ZRX1zMIAAAAJ&hl=en>

### Academic Appointments

|   |  |                               |
|---|--|-------------------------------|
| Associate Dean Research                               | University of Western Ontario, London, ON        | January 2016 - December 2020  |
| Visiting Professor                                    | University of California San Diego, La Jolla, CA | January 2015 - April 2015     |
| Visiting Professor                                    | University of Connecticut, Storrs, CT            | October - November, 2014      |
| PI, Brain & Mind Institute                            | University of Western Ontario, London, ON        | July 2012 - present           |
| Professor, Psychology                                 | University of Western Ontario, London, ON        | July 2005 - present           |
| Associate Professor, Psychology                       | University of Western Ontario, London, ON        | July 1999 - June 2005         |
| Core Faculty Member,<br>Neuroscience Graduate Program | University of Western Ontario, London, ON        | July 2000 - present           |
| Visiting Associate Professor                          | University of California San Diego, La Jolla, CA | September 1999 - January 2000 |
| Assistant Professor, Psychology                       | University of Western Ontario, London, ON        | July 1993 - June 1999         |
| Postdoctoral Fellow                                   | University of Rochester, Rochester, NY           | January 1992 - June 1993      |
|   | Supervisor: Michael K. Tanenhaus                 |                               |

### Education

- Doctor of Philosophy (with Distinction), Psychology, McGill University, Montreal, PQ, January 1992  
Dissertation: Independent and correlated properties in artifact and natural kind concepts  
Supervisor: Mark S. Seidenberg
- Master of Science, Psychology, McGill University, Montreal, PQ, November 1988  
Thesis: The locus of word frequency effects  
Supervisor: Mark S. Seidenberg
- Bachelor of Science (with Honours), Cognitive Science, Queen's University, Kingston, ON, October 1986  
Thesis: Spatiotopic and retinotopic components of iconic memory  
Supervisor: Brian E. Butler

### Research Interests

Word meaning, sentence processing, concepts, and event knowledge. Use of mathematical and computational models, brain-imaging techniques, and patient-based studies to investigate issues in language processing.

### Teaching Interests

Cognitive science, computational modeling, psycholinguistics, statistics.

### Professional Affiliations

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|--|---|
| Canadian Society for Brain, Behavioral, and Cognitive Sciences | Member: 1992-present                    |
| Cognitive Neuroscience Society                                 | Member: 2002-present                    |
| Cognitive Science Society                                      | Member: 1996-2020; Fellow: 2020-present |
| European Society for Cognitive Psychology                      | Member: 2003-present                    |
| Psychonomic Society  | Fellow: 1999-present                    |
| Society for Neurobiology of Language                           | Member: 2015-present                    |
| International Advisory Board, Metaphor Lab, Amsterdam          | Member: 2015-2020                       |

### Awards (all figures in Canadian dollars)

- Fellow of the Cognitive Science Society: Elected 2020
- Guest Professorship: University of Connecticut: \$13,700: October-November, 2014
- Premier's Research Excellence Award (Ontario): \$150,000: August 2000 - July 2005  
How people understand language
- Postdoctoral Fellowship: Natural Sciences and Engineering Research Council of Canada  
\$29,000 per year for December 1991 - July 1993  
University of Rochester, Rochester, NY
- Doctoral Fellowship: Fonds pour la Formation de Chercheurs et l'aide à la Recherche (Québec)  
\$13,000 per year for September 1988 - August 1991  
McGill University, Montreal, PQ

**Research Grants (all figures in Canadian dollars): Total = \$5,026,365 (excluding Collaborator)**

Research Grant: Radboud - Western Collaboration Fund

Co-PI: Understanding aphantasia: Exploring language in minds without imagery

Co-PI: Laura Speed (Radboud Universiteit)

\$23,745: June 2022 - October 2023

Project Grant: Canadian Institutes of Health Research

Collaborator: Relating the development of microscopic hippocampal pathways to concept learning: Complementary neural network and white matter investigations

\$634,950: April 2021 - March 2026

PIs: M. Mack & M. Schlichting

Discovery Grant: Natural Sciences and Engineering Research Council of Canada

PI: Event Knowledge and Language Comprehension

\$198,000: April 2018 - March 2024

Research Grant: New International Research Networks Award

PI: Unifying Phonology and Semantics in Spoken Word Recognition: A Network Science Approach

\$2,620: May 2018 - April 2019

Research Grant: Parkinson Society of Canada

PI: "She will drive the \_\_\_": Predictive Language Comprehension in Persons with Parkinson Disease

\$40,915: October 2014 - September 2016

Co-Is: A. Fraser, M. Jenkins, J. B. Orange, & A. Roberts

Research Tools and Instruments Grant: Natural Sciences and Engineering Research Council of Canada

Co-I: Simultaneous and Synchronized Electroencephalography (EEG) and Functional Magnetic Resonance Imaging (fMRI) during Sleep in Normal and Brain Injured Populations

\$145,503: April 2014 - March 2015

PI: Adrian Owen, other Co-Is: R. Cusack, J. B. Morton, & J. A. Grahn

Discovery Grant: Natural Sciences and Engineering Research Council of Canada

PI: The Structure and Content of Abstract Concepts in the Human Mind and Brain

\$155,000: April 2012 - March 2018

Research Tools and Instruments Grant: Natural Sciences and Engineering Research Council of Canada

PI: Eyetracker for Language & Concepts Research Group

\$54,353: April 2010 - March 2011

Co-Is: S. J. Lupker, A. N. Katz, D. Jared, M. F. Joanisse, & J. P. Minda

Academic Development Fund: University of Western Ontario

Co-I: Electrophysiological Studies of Language and Concept Processing

\$86,385: April 2010 - March 2011

PI: D. Jared, other Co-Is: S. J. Lupker, A. N. Katz, M. F. Joanisse, & J. P. Minda

Discovery Grant: Natural Sciences and Engineering Research Council of Canada

PI: Representation and computation of word meaning

\$130,560: April 2007 - March 2012

R01: National Institutes of Health (NICHD)

Co-PI: Expectancy generation in sentence processing

\$1,375,000: March 2007 - February 2013

Co-PIs: Jeffrey L. Elman & Mary Hare

Discovery Grant: Natural Sciences and Engineering Research Council of Canada

PI: Representation and computation of word meaning

\$135,000: April 2002 - March 2007

R01: National Institutes of Health (NIMH)

PI: Expectancy generation in sentence processing

\$1,066,500: July 2001 - June 2006

Co-PIs: Jeffrey L. Elman & Mary Hare

R01: National Institutes of Health (NIDCD)

Co-I: Spatiotemporal imaging of semantic memory

\$1,350,000: April 2002 - March 2006

PI: John Kounios

Research Grant: SharcNet Research Fellowships

PI: Simulating how readers represent and retrieve meaning from text

\$27,720: January 2004 - December 2005

Co-I: Stephen Lupker

## Research Grant: SharcNet Research Fellowships

PI: Simulating the spatial grid and time-course of Evoked Response Potentials during the computation of word meaning

\$20,432: July 2002 - June 2004

## Discovery Grant: Natural Sciences and Engineering Research Council of Canada

PI: Computing noun and verb meaning

\$82,170: April 1998 - March 2002

## Equipment Grant: Natural Sciences and Engineering Research Council of Canada

PI: Sun Workstation and software to support Research Grant "Computing noun and verb meaning"

\$23,000: April 1998 - March 1999

## Discovery Grant: Natural Sciences and Engineering Research Council of Canada

PI: Viewing thematic roles as verb-specific concepts

\$60,000: April 1994 - March 1998

## Equipment Grant: Natural Sciences and Engineering Research Council of Canada

PI: Monitoring eye movements in reading

\$26,462: April 1994 - March 1995

## Internal Research Grant: Natural Sciences and Engineering Research Council of Canada

PI: Exploring the role of correlations among properties in semantic memory

\$8,000: October 1993 - September 1994

University of Western Ontario, London, ON

## Department of Psychology Research Grant

\$15,000: July 1993 - April 1994

University of Western Ontario, London, ON

**Articles & Chapters** (Trainees are underlined)

**As of November 15, 2022, according to Google Scholar: Citations = 12,020; H-Index = 46**

1. Rabovsky, M., Arkhipova, Y., Schaad, D., & McRae, K. (Mis)interpretations of implausible sentences pattern with N400 amplitudes, or good enough sentence processing reflected in N400 amplitudes. In preparation.
2. Brown, K. S., Hannah, K. E., Christidis, N., Hall-Bruce, M., Stevenson, R. A., Elman, J. L., & McRae, K. Using network science to provide insights into the structure of event knowledge in memory. In preparation for *Journal of Memory & Language*.
3. Morales Valiente, C., Köhler, S., & McRae, K. Personal likelihood and familiarity influence the simulation of future events. In preparation for *Memory*.
4. Yang, H., McRae, K., & Köhler, S. Perirhinal cortex automatically tracks multiple types of familiarity regardless of task-relevance. In preparation for *Hippocampus*.
5. Brown, K. S., Yee, E., Joergenson, G., Troyer, M., Saltzman, E., Magnuson, J. S., Rueckl, J., & McRae, K. Investigating the extent to which distributional semantics models capture a broad range of semantic relations. Resubmitted to *Cognitive Science*.
6. Hannah, K. E., Brown, K. S., Hall-Bruce, M., Stevenson, R. A., & McRae, K. (Published online October 31, 2022). Knowledge of the temporal structure of events in relation to autistic traits and social ability. *Acta Psychologica*.
7. Al-Azary, H., Yu, T., & McRae, K. (Published online June 18, 2022). Can you touch the N400? The interactive effects of Body-Object Interaction and task demands on N400 amplitudes and decision latencies. *Brain & Language*.
8. Troyer, M., McRae, K., & Kutas, M. (Published online March 29, 2022). Right or wrong? Brain potentials reveal hemispheric asymmetries to semantic relations during word-by-word sentence reading as a function of (fictional) knowledge. *Neuropsychologia*.
9. Avenie, K., Ahmed, J., Borovsky, A., McRae, K., Jenkins, M. E., Sprengel, K., Fraser, J. A., Orange, J. B., Knowles, T., & Roberts, A. (Accepted December 27, 2021). Predictive language comprehension in Parkinson's disease. *PLOS ONE*.
10. Troyer, M., & McRae, K. (Published online June 11, 2021). Thematic and other semantic relations central to abstract (and concrete) concepts. *Psychological Research*.
11. McRae, K., Brown, K. S., & Elman, J. L. (2021). Prediction-based learning and processing of event knowledge. *Topics in Cognitive Science*, 13, 206-223.
12. Hannah, K. E., Brown, K. S., Hall-Bruce, M., Stevenson, R. A., & McRae, K. (2020). Investigating the relationship between event knowledge, autistic traits, and social ability using graph theory. PsyArXiv. <https://doi.org/10.31234/osf.io/c936z>
13. Benedettini, V., Bertinetto, P. M., Lenci, A., & McRae, K. (2019). Multimodal event knowledge in online sentence comprehension: The influence of visual context on anticipatory eye movements. *Proceedings of the Forty-first Annual Meeting of the Cognitive Science Society* (pp. 1395-1401). Austin, TX: Cognitive Science Society.

14. [Yang](#), H., [Laforge](#), G., [Stojanoski](#), B., [Nichols](#), E. S., [McRae](#), K., & [Köhler](#), S. (2019). Late Positive Complex in event related potentials tracks memory signals when they are decision relevant. *Scientific Reports*, *9*, 1-15.
15. [Elman](#), J. L., & [McRae](#), K. (2019). A model of event knowledge. *Psychological Review*, *126*, 252-291.
16. [Brown](#), K. S., [Allopenna](#), P. D., [Hunt](#), W. R., [Steiner](#), R., [Saltzman](#), E., [McRae](#), K., & [Magnuson](#), J. S. (2018). Universal features in phonological neighbor networks. *Entropy*, *20*, 1-23.
17. [McRae](#), K., [Nedjadrassul](#), D., [King](#), L., [Pau](#), R., & [Lo](#), B. P-H. (2018). Abstract concepts and pictures of real-world situations activate one another. *Topics in Cognitive Science*, *10*, 518-532.
18. [Yee](#), E., [Jones](#), M. N., & [McRae](#), K. (2018). Semantic Memory. In J. T. Wixted & S. Thompson-Schill (Eds.), *The Stevens' Handbook of Experimental Psychology and Cognitive Neuroscience* (4th Edition, Volume 3: Language and Thought, pp. 319-356). New York: Wiley.
19. [Zarcone](#), A., [Lenci](#), A., [McRae](#), K., & [Pado](#), S. (2017). Complement coercion: The joint effects of type and typicality. *Frontiers in Psychology*, *8*, 1987, 1-10, doi: 10.3389/fpsyg.2017.01987.
20. [Roberts](#), A., [Nguyen](#), P., [Orange](#), J. B., [Jog](#), M., [Nisbet](#), K. A., & [McRae](#), K. (2017). Differential impairments of upper and lower limb movements influence action verb processing in Parkinson disease. *Cortex*, *97*, 49-59.
21. [Blumenthal](#), A., [Duke](#), D., [Bowles](#), B., [Gilboa](#), A., [Rosenbaum](#), S., [Köhler](#), S., & [McRae](#), K. (2017). Abnormal semantic memory structure in a case of developmental amnesia. *Neuropsychologia*, *102*, 237-247.
22. [Duke](#), D., [Martin](#), C. B., [Bowles](#), B., [McRae](#), K., & [Köhler](#), S. (2017). Perirhinal cortex tracks degree of recent as well as cumulative lifetime experience with object concepts. *Cortex*, *89*, 61-70.
23. [Elman](#), J. L., & [McRae](#), K. (2017). A model of event knowledge. In [Gunzelmann](#), G., [Howes](#), A., [Tenbrink](#), & T., [Davelaar](#), E. (Eds.), *Proceedings of the Thirty-Ninth Annual Meeting of the Cognitive Science Society* (pp. 337-342). Austin, TX: Cognitive Science Society.
24. [Bowles](#), B., [Duke](#), D., [Rosenbaum](#), S. R., [McRae](#), K., & [Köhler](#), S. (2016). Impaired assessment of cumulative lifetime familiarity for object concepts after left anterior temporal-lobe resection that includes perirhinal cortex but spares the hippocampus. *Neuropsychologia*, *90*, 170-179.
25. [Jouravlev](#), O., & [McRae](#), K. (2016). Thematic relatedness production norms for 100 object concepts. *Behavior Research Methods*, *48*, 1349-1357.
26. [Cruse](#), D., [Beukema](#), S., [Chennu](#), S., [Malins](#), J., [Owen](#), A. M., & [McRae](#), K. (2014). The reliability of the N400 in single subjects: Implications for patients with disorders of consciousness. *NeuroImage: Clinical*, *4*, 788-799.
27. [Rabovsky](#), M., & [McRae](#), K. (2014). Simulating the N400 ERP component as semantic network error: Insights from a feature-based connectionist attractor model of word meaning. *Cognition*, *132*, 68-89.
28. [McRae](#), K., & [Matsuki](#), K. (2013). Constraint-based models of sentence processing. In R. Van Gompel (Ed.), *Sentence Processing* (pp. 51-77). New York, NY: Psychology Press.
29. [McRae](#), K., & [Jones](#), M. N. (2013). Semantic memory. In D. Reisberg (Ed.), *The Oxford Handbook of Cognitive Psychology* (pp. 206-219). Oxford, UK.
30. [Pezzulo](#), G., [Barsalou](#), L. W., [Cangelosi](#), A., [Fischer](#), M. H., [McRae](#), K., & [Spivey](#), M. J. (2013). Computational Grounded Cognition: A New Alliance between Grounded Cognition and Computational Modeling. *Frontiers in Psychology*, *3*:612, 1-11. doi: 10.3389/fpsyg.2012.00612.
31. [Khalkhali](#), S., [Wammes](#), J., & [McRae](#), K. (2012). Integrating words that refer to typical sequences of events. *Canadian Journal of Experimental Psychology*, *66*, 106-114.
32. [McRae](#), K., [Khalkhali](#), S., & [Hare](#), M. (2012). Semantic and associative relations: Examining a tenuous dichotomy. In V. F. Reyna, S. B. Chapman, M. R. Dougherty, & J. Confrey (Eds.), *The Adolescent Brain: Learning, Reasoning, and Decision Making* (pp. 39-66). Washington, DC: APA.
33. [Metusalem](#), R., [Kutas](#), M., [Urbach](#), T. P., [Hare](#), M., [McRae](#), K., & [Elman](#), J. L. (2012). Generalized event knowledge activation during on-line language comprehension. *Journal of Memory & Language*, *66*, 545-567.
34. [Cann](#), D. R., [McRae](#), K., & [Katz](#), A. N. (2011). False recall in the Deese-Roediger-McDermott paradigm: The roles of gist and associative strength. *The Quarterly Journal of Experimental Psychology*, *64*, 1515-1542.
35. [Matsuki](#), K., [Chow](#), T., [Hare](#), M., [Elman](#), J. L., [Scheepers](#), C., & [McRae](#), K. (2011). Event-based plausibility immediately influences on-line language comprehension. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, *37*, 913-934.
36. [McNorgan](#), C., [Reid](#), J., & [McRae](#), K. (2011). Integrating conceptual knowledge within and across representational modalities. *Cognition*, *118*, 211-233.
37. [Pezzulo](#), G., [Barsalou](#), L. W., [Cangelosi](#), A., [Fischer](#), M. H., [McRae](#), K., & [Spivey](#), M. J. (2011). The mechanics of embodiment: A dialogue on embodiment and computational modeling. *Frontiers in Psychology*, *2*:5, 1-21. doi:10.3389/fpsyg.2011.00005.
38. [Welcome](#), S. E., [Paivio](#), A., [McRae](#), K., & [Joanisse](#), M. F. (2011). An electrophysiological study of task demands on concreteness effects: Evidence for dual coding theory. *Experimental Brain Research*, *212*, 347-358.
39. [Bicknell](#), K., [Elman](#), J. L., [Hare](#), M., [McRae](#), K., & [Kutas](#), M. (2010). Effects of event knowledge in processing verbal arguments. *Journal of Memory & Language*, *63*, 489-505.

40. Cree, G. S., McNorgan, C., & McRae, K. (2010). Distinctive features hold a privileged status in the computation of word meaning: Implications for theories of semantic memory. In T. A. Harley (Ed.), *Sage Key Work in Psycholinguistics, Volume 5: Representation* (pp. 63-97). London: Sage. (Reprinted from *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 32, 643-658).
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42. McRae, K. & Matsuki, K. (2009). People use their knowledge of common events to understand language, and do so as quickly as possible. *Language & Linguistics Compass*, 3, 1417-1429.
43. Kounios, J., Green, D. L., Payne, L., Fleck, J. I., Grondin, R., & McRae, K. (2009). Semantic richness and the activation of concepts in semantic memory: Evidence from Event-Related Potentials. *Brain Research*, 1282, 95-102.
44. Grondin, R., Lupker, S., & McRae, K. (2009). Shared features dominate semantic richness effects for concrete concepts. *Journal of Memory & Language*, 60, 1-19.
45. Hare, M., Elman, J. L., Tabaczynski, T., & McRae, K. (2009). The wind chilled the spectators, but the wine just chilled: Sense, structure, and sentence comprehension. *Cognitive Science*, 33, 610-628.
46. Hare, M., Jones, M. N., Thomson, C., Kelly, S., & McRae, K. (2009). Activating event knowledge. *Cognition*, 111, 151-167.
47. O'Connor, C. M., Cree, G. S., & McRae, K. (2009). Conceptual hierarchies in a flat attractor network: Dynamics of learning and computations. *Cognitive Science*, 33, 665-708.
48. Bicknell, K., Elman, J. L., Hare, M., McRae, K., & Kutas, M. (2008). Online expectations for verbal arguments conditional on event knowledge. In B. C. Love, K. McRae, & V. M. Sloutsky (Eds.), *Proceedings of the Thirtieth Annual Meeting of the Cognitive Science Society* (pp. 2220-2225), Austin, TX: Cognitive Science Society.
49. Ferretti, T. R., Kutas, M., & McRae, K. (2007). Verb aspect and the activation of event knowledge. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 33, 182-196.
50. Hare, M., Tanenhaus, M. K., & McRae, K. (2007). Understanding and producing the reduced relative construction: Evidence from ratings, editing, and corpora. *Journal of Memory & Language*, 56, 410-435.
51. McNorgan, C., Kotack, R. A., Meehan, D. C., & McRae, K. (2007). Feature-feature causal relations and statistical co-occurrences in object concepts. *Memory & Cognition*, 35, 418-431.
52. Simmons, W. K., Ramjee, V., Beauchamp, M. S., McRae, K., Martin, A., & Barsalou, L. W. (2007). A common neural substrate for perceiving and knowing about color. *Neuropsychologia*, 45, 2802-2810.
53. Grondin, R., Lupker, S. J., & McRae, K. (2006). Shared features dominate the number-of-features effect. *Proceedings of the Twenty-Eighth Annual Conference of the Cognitive Science Society* (pp. 1400-1405). Mahway, NJ: Erlbaum.
54. Cree, G. S., McNorgan, C., & McRae, K. (2006). Distinctive features hold a privileged status in the computation of word meaning: Implications for theories of semantic memory. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 32, 643-658.
55. Ferretti, T. R., McRae, K., Elman, J. L., & Ramshaw, C. (2005). Expectancy for the morphological form of verbs during semantic priming. In B. C. Bara, L. W. Barsalou, & M. Bucciarelli (Eds.), *Proceedings of the Twenty-Seventh Annual Conference of the Cognitive Science Society* (pp. 654-659). Mahway NJ: Erlbaum.
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57. McRae, K., Hare, M., Elman, J. L., & Ferretti, T. R. (2005). A basis for generating expectancies for verbs from nouns. *Memory & Cognition*, 33, 1174-1184.
58. McRae, K., Hare, M., & Tanenhaus, M. K. (2005). Meaning Through Syntax is insufficient to explain comprehension of sentences with reduced relative clauses: Comment on McKoon and Ratcliff (2003). *Psychological Review*, 112, 1022-1031.
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61. McRae, K. (2004). Semantic memory: Some insights from feature-based connectionist attractor networks. In B. H. Ross (Editor), *The Psychology of Learning and Motivation: Advances in Research and Theory*, Vol. 45 (pp. 41-86). San Diego, CA: Academic Press.
62. Cree, G. S., & McRae, K. (2003). Analyzing the factors underlying the structure and computation of the meaning of chipmunk, cherry, chisel, cheese, and cello (and many other such concrete nouns). *Journal of Experimental Psychology: General*, 132, 163-201.
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83. McRae, K., de Sa, V. R., & Seidenberg, M. S. (1993). Modeling property intercorrelations in conceptual memory. In *Proceedings of the Fifteenth Annual Conference of the Cognitive Science Society* (pp. 729-734). Hillsdale NJ: Erlbaum.
84. McRae, K., & Hetherington, P. A. (1993). Catastrophic interference is eliminated in pretrained networks. In *Proceedings of the Fifteenth Annual Conference of the Cognitive Science Society* (pp. 723-728). Hillsdale NJ: Erlbaum.
85. McRae, K. (1992). Correlated properties in artifact and natural kind concepts. In *Proceedings of the Fourteenth Annual Conference of the Cognitive Science Society* (pp. 349-354). Hillsdale NJ: Erlbaum.
86. Jared, D., McRae, K., & Seidenberg, M. S. (1990). The basis of consistency effects in word naming. *Journal of Memory and Language*, *29*, 687-715.

87. McRae, K., Jared, D., & Seidenberg, M. S. (1990). On the roles of frequency and lexical access in word naming. *Journal of Memory and Language*, 29, 43-65.
88. Popiel, S. J., & McRae, K. (1988). The figurative and literal senses of idioms, or, all idioms are not used equally. *Journal of Psycholinguistic Research*, 17, 475-487.
89. McRae, K., Butler, B. E., & Popiel, S. J. (1987). Spatiotopic and retinotopic components of iconic memory. *Psychological Research*, 49, 221-227.

#### Edited Volumes

- Love, B. C., & McRae, K., & Sloutsky, V. (2008). *Proceedings of the Thirtieth Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.
- Spivey, M. J., McRae, K., & Joanisse, M. F. (2012). *The Cambridge Handbook of Psycholinguistics*. Cambridge, UK.

#### Other Contributions

- McRae, K., Spivey-Knowlton, M. J., & Tanenhaus, M. K. (1997). *Modeling the influence of thematic fit (and other constraints) in on-line sentence comprehension* (Tech. Rep. No. 1). Buffalo, NY: State University of New York at Buffalo, Centre for Cognitive Science.

#### Invited Talks

1. McRae, K. (2021, February). *Event knowledge and semantic processing*. Cognitive Science of Language Colloquium Series. University of Toronto, Toronto, Canada.
2. McRae, K. (2020, February). *Event knowledge and semantic processing*. Centre for Advanced Research in Experimental and Applied Linguistics. McMaster University, Hamilton, Canada.
3. McRae, K. (2019, April). *Event knowledge and semantic processing*. Workshop on Reasoning, Argumentation and Logic in Natural Language: Experiments and Models. Bochum University, Germany.
4. McRae, K. (2018, December). *Prediction as a natural consequence of language comprehension*. Workshop on Current Understandings and Controversies in Predictive Language Processing, Northwestern University, Chicago, IL.
5. McRae, K. (2018, September). *Event knowledge and semantic processing*. Plenary Address presented at the Annual Conference on Architectures and Mechanisms of Language Processing (2018), Berlin, Germany.
6. Elman, J. L. & McRae, K. (2018, July). *A prediction-based model of event knowledge*. In M. Butz, Symposium on Event Predictive Cognition. Presented at the 39th Annual Meeting of the Cognitive Science Society, Madison, WI.
7. McRae, K. (2017, January). *Event knowledge and language comprehension*. Cross-disciplinary Workshop on event representations in episodic and semantic memory. York, UK.
8. McRae, K. (2016, November). *Situations, perceptual information, and abstract concepts*. Symposium on Abstract concepts: Structure, processing, and modeling. Universiteit van Amsterdam, Amsterdam, Netherlands.
9. McRae, K. (2016, November). *Event knowledge and language comprehension*. Cognitive Science Colloquium, Northwestern University, Chicago, IL.
10. McRae, K. (2015, September). *The importance of event knowledge in the organization and structure of semantic memory*. Universiteit van Amsterdam, Amsterdam, Netherlands.
11. McRae, K. (2015, May). *The organization and structure of concepts in semantic memory*. PhilMilCog 2015, University of Western Ontario, London, Canada.
12. McRae, K. (2015, January). *The organization and structure of concepts in semantic memory*. Center for Research in Language Colloquium, University of California, San Diego, San Diego, CA.
13. McRae, K. (2014, December). *Empirically distinguishing between lexical-semantic and real-world knowledge depends on multiple assumptions*. Workshop on Linguistic vs. Non-linguistic Knowledge, University of Tübingen, Tübingen, Germany.
14. McRae, K. (2014, October). *A computational account of the N400 based on prediction error in an attractor network model of semantic memory*. Haskins Laboratories Colloquium, New Haven, CT.
15. McRae, K. (2014, October). *The organization and structure of concepts in semantic memory*. UConn Distinguished Guest Professor Colloquium, Storrs, CT.
16. McRae, K. (2014, September). *The organization and structure of concepts in semantic memory*. School of Informatics, University of Edinburgh, Edinburgh, Scotland.
17. McRae, K. (2014, May). *The organization and structure of concepts in semantic memory*. Institut für Maschinelle Sprachverarbeitung (IMS), Universität Stuttgart, Stuttgart, Germany.
18. McRae, K. (2014, April). *The organization and structure of concepts in semantic memory*. Departments of Psychology and Communication Sciences & Disorders. Temple University, Philadelphia, PA.
19. McRae, K. (2014, April). *A computational account of the N400 based on prediction error in an attractor network model of semantic memory*. Philadelphia Semantics Society, Philadelphia, PA.

20. McRae, K. (2012, October). *Event knowledge and expectancy generation in language comprehension*. Department of Linguistics, Scuola Normale Superiore, Pisa, Italy.
21. McRae, K., Bowles, B., & Köhler, S. (2012, October). *A link between familiarity impairments in recognition memory and impairments in familiarity assessment for concepts acquired over the lifetime*. International Conference on Semantic Representations in the Blind, Pisa, Italy.
22. McRae, K., Metusalem, R., Kutas, M., Urbach, T. P., Hare, M., & Elman, J. L. (2011, September). *Generalized Event Knowledge is Activated during Online Language Comprehension*. In C. Martin & A. Costa (Chairs), Symposium on Prediction and Integration During Language Comprehension, Seventeenth European Society for Cognitive Psychology, San Sebastian, Spain.
23. McRae, K., Khalkhali, S., & Wammes, J. (2011, June). *Integrating event concepts*. Festschrift in Honour of Douglas Mewhort, 21<sup>st</sup> Annual Meeting of the Canadian Society for Brain, Behavior, and Cognitive Science, Winnipeg, Canada.
24. McRae, K., Metusalem, R., Kutas, M., Urbach, T. P., Hare, M., & Elman, J. L. (2011, June). *Generalized event knowledge is activated during online language comprehension*. In M. Singer (Chair), Symposium on Text and Discourse Processing, 21<sup>st</sup> Annual Meeting of the Canadian Society for Brain, Behavior, and Cognitive Science, Winnipeg, Canada.
25. McRae, K. (2011, June). *The dynamic, immediate, and interactive influences of real-world event knowledge on language comprehension*. Institut für Maschinelle Sprachverarbeitung (IMS), Universität Stuttgart, Stuttgart, Germany.
26. McRae, K. (2011, April). "Red tape holds up new bridge": What makes sentences easy or hard to understand. London Central Library talk series on *Mind Your Words*. London, ON.
27. McRae, K. (2011, April). *The dynamic, immediate, and interactive influences of real-world event knowledge on language comprehension*. University of California at Merced Cognitive Science Department Colloquium, Merced, CA.
28. McRae, K. (2011, April). *Getting the gist: The critical role of semantic relations in DRM false memories*. University of California at Merced Cognitive Science Lab Meeting, Merced, CA.
29. McRae, K. (2010, November). *Event-based thematic role concepts*. Second Interdisciplinary Workshop on Verbs. Pisa, Italy.
30. McRae, K. (2010, May). *The dynamic, immediate, and interactive influences of real-world event knowledge on language comprehension*. Glasgow University Department of Psychology Colloquium, Glasgow, UK.
31. McRae, K. (2010, May). *Getting the gist: The critical role of semantic relations in DRM false memories*. Glasgow University Language Group Colloquium, Glasgow, UK.
32. McRae, K. (2010, February). *The dynamic, immediate, and interactive influences of real-world event knowledge on language comprehension*. Thirty-ninth Annual Conference of the Lake Ontario Visionary Establishment, Perception and Cognition.
33. McRae, K. (2010, January). Some things we've learned about concrete noun concepts, and how they may apply to abstract concepts. In G. Vigliocco & T. Shallice (Chairs), European Psychological Society Workshop on *The Representation of Abstract Concepts*. London, UK.
34. Jones, M., McRae, K., & Hare, M. (2009, November). Event-based priming in semantic spaces. In M. Jones & K. McRae (Chairs), *Integrating Methods to Explore Semantic Relations: Perspectives from Computer Modeling, Eyetracking, and Neuroimaging*. Symposium conducted at the Thirty-Ninth Annual Meeting of the Society for Computers in Psychology, Boston, MA.
35. McRae, K. (2009, May). *How our knowledge of real-world events influences language comprehension*. Psychology Departmental Colloquium, University of Wisconsin, Madison, Madison, WI.
36. McRae, K. (2008, September). *Studying object concepts by combining feature norms, connectionist networks, and modality-specific representations*. In V. Reyna: Workshop on Higher Cognition in Adolescents and Young Adults: Social, Behavioral, and Biological Influences on Learning, National Science Foundation, Arlington, VA.
37. McRae, K., Matsuki, K., Elman, J. L., & Hare, M. (2008, June). *Semantic and syntactic event-based expectancy generation in on-line language comprehension*. In A. Myachykov (Chair), General Cognition and Language Processing. Symposium conducted at the Third International Conference on Cognitive Science. Moscow, Russia.
38. McRae, K. (2008, March). *How knowledge of real-world events influences language comprehension*. University of Connecticut Cognitive Science Colloquium, Storrs, CT.
39. McRae, K. (2008, March). *Testing an attractor network model of word meaning*. Haskins Laboratories Colloquium, New Haven, CT.
40. McRae, K. (2007, November). *How knowledge of real-world events influences language comprehension*. University of Texas at Austin Psychology Department Colloquium, Austin, TX.
41. McRae, K. (2007, November). *Testing an attractor network model of word meaning*. University of California, Merced Cognitive Science Colloquium, Merced, CA.



42. McRae, K., O'Connor, C., & Cree, G. S. (2007, August). *Emergent conceptual hierarchies and the dynamics of similarity*. In P. Li (Chair), Rumelhart Symposium: Language as a Dynamical System. Twenty-Ninth Annual Conference of the Cognitive Science Society, Nashville, TN.
43. McRae, K. (2007, June). *Meaning and structure: Influences of real-world events on language comprehension*. Conference on Building Meaning from Language. Medford, MA.
44. McRae, K. & O'Connor, C. M. (2006, February). *Semantic memory: Insights from feature-based attractor networks*. Emory University Psychology Department Colloquium, Atlanta, GA.
45. Hare, M., Tanenhaus, M. K., & McRae, K. (2005, November). *External/Internal status neither explains the frequency of occurrence nor the difficulty of comprehending reduced relative clauses*. University of California San Diego Centre for Research in Language Colloquium, La Jolla, CA.
46. McRae, K. & McNorgan, C. (2005, July). *Feature-feature causal relations and statistical co-occurrences in object concepts*. Department of Psychology, University College London, London, UK.
47. McRae, K. (2004, November). *Schema-based event representations and verb-specific conceptually-based thematic role knowledge*. In G. Vigliocco (Chair), *Representing and Using Words referring to Events*. Symposium conducted at the Forty-Fifth Annual Meeting of the Psychonomic Society, Minneapolis, MN.
48. McRae, K. (2004, July). *Statistical feature correlations and explicit feature relations: Both matter*. In G. Storms, & J. Hampton, Workshop on Models of Concepts and Categorization, Leuven, Belgium.
49. Ferretti, T. R., Kutas, M., & McRae, K. (2004, June). *Verb aspect and the activation of location knowledge from verbs read in isolation and in sentences*. In M. Singer (Chair), Language Processing. Symposium conducted at the 14th Annual Meeting of the Canadian Society for Brain, Behavior, and Cognitive Science, St. John, Canada.
50. McRae, K. (2004, April). *How chipmunks, cherries, chisels, cheese, and cellos are structured, computed, and impaired in the mind and brain*. University of Texas at Austin Psychology Colloquium, Austin, TX.
51. McRae, K., Hare, M., & Conley, P. (2004, February). *Redefining semantic and associative relatedness*. University of California San Diego Centre for Research in Language Colloquium, La Jolla, CA.
52. Conley, P., McRae, K., & Hare, M. (2003, December). *Association and semantics*. Department of Psychology: University of Toronto.
53. Hare, M., McRae, K., & Conley, P. (2003, November). *Association and semantics*. Department of Psychology: University of Illinois at Urbana-Champaign.
54. Hare, M., McRae, K., & Elman, J. L. (2003, November). *Making sense of meaning and structure*. Department of Psychology: University of Illinois at Urbana-Champaign.
55. McRae, K. (2003, October). *How chipmunks, cherries, chisels, cheese, and cellos are structured, computed, and impaired in the mind and brain*. MIT Brain & Cognitive Sciences Colloquium, Boston, MA.
56. McRae, K. (2003, July). *Some thoughts on some aspects of implementable semantics: Word meaning and thematic fit*. University of Saarland, Saarbrücken, Germany.
57. McRae, K. (2003, May). Participating Faculty Advisor at *Workshop on Empirical Methods in Cognitive Linguistics*. Cornell University, Ithaca, NY.
58. McRae, K. (2002, December). *How chipmunks, cherries, chisels, cheese, and cellos are structured, computed, and impaired in the mind and brain*. Université de Provence, Aix-en-Provence, France.
59. McRae, K. (2002, December). *The conceptual content of thematic roles*. Conference on Semantic Role Universals, Max Planck Institutes for Cognitive Neuroscience and Evolutionary Anthropology, Leipzig, Germany.
60. McRae, K. (2002, November). *How chipmunks, cherries, chisels, cheese, and cellos are structured, computed, and impaired in the mind and brain*. McMaster University, Hamilton, ON.
61. McRae, K., & Cree, G. S. (2002, June). *How chipmunks, cherries, chisels, cheese, and clarinets are structured, computed, and impaired in the mind and brain*. University of California San Diego Centre for Research in Language Colloquium, La Jolla, CA.
62. McRae, K., & Cree, G. S. (2002, May). *How chipmunks, cherries, chisels, cheese, and clarinets are structured, computed, and impaired in the mind and brain*. University of Pennsylvania Institute for Research in Cognitive Science Colloquium, Philadelphia, PA.
63. McRae, K. (2002, March). *Sense determining structure: The influence of sense-contingent subcategorization preferences on structural ambiguity resolution*. Emory University Psychology Department Colloquium, Atlanta, GA.
64. McRae, K. (2002, March). *Sense determining structure: The influence of sense-contingent subcategorization preferences on structural ambiguity resolution*. UWO Linguistics Group, London, ON.
65. McRae, K., & Cree, G. S. (2001, July). *Knowledge type and distinguishing features account for category-level trends in category-specific semantic deficits*. In M. Lambon-Ralph (Chair), *The neural basis of conceptual knowledge: Insights from cognitive neuroscience*. Symposium conducted at the Third International Conference on Memory, Valencia, Spain.
66. Cree, G. S., & McRae, K. (2001, June). *A connectionist model of semantic memory: The representation and processing of basic-level and superordinate concepts*. In K. McRae, G. S. Cree, & M. F. Joanisse (Chairs),

- Connectionist Models of Language and Memory. Symposium conducted at the Eleventh Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Québec, PQ.
67. Cree, G. S., & McRae, K. (2001, May). *Interpreting the patterns of impairment found in category-specific semantic deficits: Beyond the sensory/functional dichotomy*. Paper presented at the *Southern Ontario Neuropsychology Group Conference*, Toronto, ON, Canada.
  68. McRae, K., & Cree, G. S. (2000, June). *Deficits in creatures, carrots, cars, and clarinets: The importance of feature types and distinguishing features*. In M. J. Dixon (Chair), *Category-Specific Deficits*. Symposium conducted at the Eleventh Annual Meeting of Theoretical and Experimental Neuropsychology, Montreal, PQ.
  69. McRae, K. (2000, April). *Factors underlying category-specific deficits*. Queen's University NSERC Group Colloquium, Kingston, ON.
  70. McRae, K. (2000, February). *Factors underlying category-specific deficits*. Cornell University Psychology Department Distinguished Speaker Colloquium, Ithaca, NY.
  71. McRae, K. (2000, January). *Factors underlying category-specific deficits*. McMaster University Psychology Department Colloquium, Hamilton, ON.
  72. McRae, K. (1999, December). *Factors underlying category-specific deficits*. University of Southern California Neuroscience Program Colloquium, Los Angeles, CA.
  73. McRae, K. (1999, December). *Factors underlying category-specific deficits*. University of California, Riverside Psychology Department Colloquium, Riverside, CA.
  74. McRae, K. (1999, December). *Factors underlying category-specific deficits*. University of California, San Diego Linguistics Department Colloquium, La Jolla, CA.
  75. McRae, K. (1998, December). *The use of event-specific conceptual knowledge and lexically-specific structural knowledge in on-line sentence comprehension*. University of Toronto Cognitive Psychology Colloquium, Scarborough, ON.
  76. McRae, K. (1998, October). *The use of event-specific conceptual knowledge and lexically-specific structural knowledge in on-line sentence comprehension*. University of California San Diego Centre for Research in Language Colloquium, La Jolla, CA.
  77. McRae, K. (1998, June). *The immediate use of conceptual knowledge in on-line sentence comprehension: An experiment and some computational modeling*. In P. Dixon (Chair), *Language: Sentences, and Discourse*. Symposium conducted at the Eighth Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Ottawa, ON.
  78. Cree, G. S., & McRae, K. (1998, June). *Attractor networks of word meaning: Implications for the structure of semantic memory*. In P. Dixon (Chair), *Language: Models of Word Recognition*. Symposium conducted at the Eighth Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Ottawa, ON.
  79. McRae, K. (1998, February). *Testing an attractor network model of lexical conceptual memory*. The 27th Annual Conference on Perception and Cognition (Lake Ontario Visionary Establishment). Niagara Falls, NY.
  80. McRae, K. (1998, January). *One major reason why an attractor network theory of semantic memory is superior to semantic network theory*. Media in Context Lecture Series, Computer Science Department, University of Western Ontario, London, ON.
  81. McRae, K. (1997, March). *Using an attractor network model of computing word meaning to predict semantic similarity priming*. University of Riverside Cognitive Psychology Colloquium, Riverside, CA.
  82. McRae, K. (1996, October). *Testing a distributed model of semantic memory*. State University of New York at Buffalo Cognitive Science Colloquium, Buffalo, NY.
  83. McRae, K. (1996, October). *Event-specific conceptual knowledge is an important aspect of thematic roles*. State University of New York at Buffalo Cognitive Science Colloquium, Buffalo, NY.
  84. McRae, K. (1996, August). *Thematic role concepts are a part of verb meaning*. Conference on Clinical and Theoretical Issues in Reading and Word Recognition, Psychology Department, Toronto Hospital for Sick Children, Toronto, ON.
  85. McRae, K. (1995, November). *Thematic roles are a link to world knowledge*. University of California San Diego Centre for Research in Language Colloquium, La Jolla, CA.
  86. McRae, K. (1995, June). *The higher-order structure of semantic space is a critical aspect of computing word meaning*. In S. Joordens (Chair), *Semantic Effects on Word Recognition*, Symposium conducted at the Fifth Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Halifax, NS.
  87. McRae, K. (1994, July). *Testing a theory of thematic roles*. Human Communications Research Unit, University of Western Ontario, London, ON.
  88. McRae, K., de Sa, V. R., & Seidenberg, M. S. (1993, June). *Semantic priming and the structure of semantic memory*. In L. K. Tyler (Chair), *Probing the nature of language deficits: On-line tasks and computational models*. Symposium conducted at the Fifteenth Conference of the International Neuropsychological Society, Mediera, Portugal.

89. McRae, K. (1993, May). *The importance of correlations among properties in representations of everyday objects*. Paper presented at the Institute for Robotics and Intelligent Systems Workshop, London, Ontario.
90. McRae, K. (1993, March). *Correlated features and the computation of word meaning*. Department of Psychology, Duke University.
91. McRae, K. (1992, November). *The role of correlated properties in computing lexical concepts*. Université de Laval Cognitive Science Colloquium, Québec, PQ.
92. McRae, K. (1992, June). *Correlated properties and the computation of word meaning from orthography*. In S. J. Lupker & P. Brown (Chairs), Basic Processes in Visual Word Recognition. Symposium conducted at the 2nd annual meeting of the Canadian Society for Brain, Behavioral and Cognitive Sciences, Québec, PQ.
93. McRae, K. (March, 1992). *Correlated properties and the computation of word meaning*. Syracuse University Cognitive Science Colloquium, Syracuse, NY.

### Conference Presentations

1. Brown, K., Yee, E., Joergensen, G., Troyer, M., Saltzman, E., Magnuson, J. S., & McRae, K. (2022, June). *Investigating the extent to which distributional semantics models capture a broad range of semantic relations*. Poster presented at the conference on Interdisciplinary Advances in Statistical Learning, San Sebastian, Spain.
2. Al-Azary, H., Yu, T., & McRae, K. (2021, November). *Task demands constrain body-object interaction effects: Evidence from N400s and response latencies*. Poster presented at the 62nd Annual Meeting of the Psychonomic Society, New Orleans, LA.
3. Morales-Valiente, C., & McRae, K. (2021, November). *Personal future likelihood and past familiarity in the simulation of future events*. Paper presented at the 62nd Annual Meeting of the Psychonomic Society, New Orleans, LA.
4. Hannah, K., Carlson, N. M., McRae, K., & Stevenson, R. A. (2021, June). *Linking social communication and metalinguistic ability in Autism Spectrum Disorder*. Paper presented at the 6th Annual Dr. Benjamin Goldberg Developmental Disabilities Research Day, London, ON. Winner of Maria Z. Gitta award for Best Oral Presentation by a trainee.
5. Carlson, N., Hannah, K., McRae, K., and Stevenson, R. (2021, May). *Relating metalinguistic abilities and social communication skills in Autism*. Poster presented at the International Society for Autism Research (INSAR), Boston, MA.
6. Hannah, K., Brown, K., Hall-Bruce, M., Stevenson, R., and McRae, K. (2021, May). *Assessing event knowledge in relation to Autistic traits and social ability*. Poster presented at the International Society for Autism Research (INSAR), Boston, MA.
7. Avenie, K., Ahmed, J., Borovsky, A., McRae, K., Jenkins, M. E., Sprengel, K., Fraser, J. E., Orange, J. B., Knowles, T., & Roberts, A. (2020, November). *Predictive language comprehension in Parkinson's disease*. Poster presented at the Sixty-First Annual Meeting of the Psychonomic Society, Austin, TX.
8. Troyer, M., Kutas, M., & McRae, K. (2020, September). *Nuances of knowing: ERPs reveal dual influences of domain knowledge on semantic processing and knowledge evaluation during reading*. Poster presented at the Annual Conference on Architectures and Mechanisms of Language Processing (2020), Potsdam, Germany.
9. Brown, K. S., Yee, E., Saltzman, E., Magnuson, J. S., & McRae, K. (2020, July). *What do computers know about semantics anyway? Testing distributional semantics models against a broad range of relatedness ratings*. Poster presented at the 42nd Annual Meeting of the Cognitive Science Society, Toronto, Canada.
10. Hannah, K., Brown, K. S., Hall-Bruce, M., Stevenson, R., & McRae, K. (2020, July). *The temporal structure of event knowledge in the mind in relation to Autistic traits*. Poster presented at the 42nd Annual Meeting of the Cognitive Science Society, Toronto, Canada.
11. Rabovsky, M., Matsuki, K., & McRae, K. (2020, May). *"Good enough" plausibility based processing modulates the N400 ERP component in online comprehension*. Poster presented at the 42nd Annual Meeting of the Cognitive Science Society, Toronto, Canada.
12. Blumenthal, A., Savel, K., Huynh, T. Q., Dagleish, B., Rivera, R., Gontarz, S., Vucurovic, M., McRae, K., Mack, M., Schlichting, M. (2019, October). *Developmental differences in real-world concepts: More knowledge or different knowledge?* Conference of the Cognitive Development Society, Louisville, KY.
13. Benedettini, V., Lenci, A., & McRae, K. (2019, July). *Multimodal event knowledge in online sentence comprehension: The influence of visual context on anticipatory eye movements*. Poster presented at the 41st Annual Meeting of the Cognitive Science Society, Montreal, Canada.
14. Brown, K. S., Christidis, N. K., Elman, J. L., & McRae, K. (2019, July). *Using graph theory to understand the structure of event knowledge in memory*. Poster presented at the 41st Annual Meeting of the Cognitive Science Society, Montreal, Canada.

15. McClelland, J. L., & McRae, K. (2019, July). *Symposium in memory of Jeff Elman: Language learning, prediction, and temporal dynamics*. Symposium presented at the 41st Annual Meeting of the Cognitive Science Society, Montreal, Canada.
16. Rabovsky, M., Matsuki, K., & McRae, K. (2019, July). *(Mis)interpretations of implausible passive sentences pattern with N400 amplitudes*. Poster presented at the 41st Annual Meeting of the Cognitive Science Society, Montreal, Canada.
17. Avenie, K., Sprengel, K., Martin, R., Borovsky, A., McRae, K., & Roberts, A. (2019, June). *Predictive language comprehension in Parkinson's disease*. Poster presented at the Congress of the International Association of Parkinsonism and Related Disorders, Montreal, Canada.
18. Brown, K. S., Christidis, N. K., Elman, J. L., & McRae, K. (2019, May). *Using graph theory to understand the structure of event knowledge in memory*. Paper presented at the Workshop on Networks in Cognitive Science, Burlington, VT.
19. Christidis, N. K., Brown, K. S., Elman, J. L., & McRae, K. (2018, November). *Using graph theory to understand the structure of event knowledge in memory*. Paper presented at the Fifty-ninth Annual Meeting of the Psychonomic Society, New Orleans, LA.
20. Steiner, R. Brown, K., Allopenna, P., McRae, K., Saltzman, E., & Magnuson, J. S. (2018, November). *Time and similarity in spoken word recognition*. Poster presented at the Fifty-ninth Annual Meeting of the Psychonomic Society, New Orleans, LA.
21. Christidis, N. K., Elman, J. L., & McRae, K. (2018, July). *Using graph theory to understand the structure of event knowledge in memory*. Poster presented at the Twenty-Eighth Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, St. John's, Canada.
22. Yang, H., McRae, K., & Köhler, S. (2018, March). *Late positive event-related potential tracks perceived degree of recent as well as cumulative lifetime experience in memory judgments*. Poster presented at the Twenty-Fifth Annual Meeting of the Cognitive Neuroscience Society, Boston, MA.
23. Al-Azary, H., & McRae, K. (2017, November). *Touching the concrete N400: Differential effects of Body-Object Interaction on N400 latencies and amplitudes*. Poster presented at the Fifty-eighth Annual Meeting of the Psychonomic Society, Vancouver, Canada.
24. Matsuki, E., Hino, Y., Matsuki, K., & McRae, K. (2017, November). *A comparison of Japanese and English feature norms using translation equivalent words*. Poster presented at the Fifty-eighth Annual Meeting of the Psychonomic Society, Vancouver, Canada.
25. McRae, K. & Elman, J. L. (2017, November). *A model of event knowledge*. Paper presented at the Fifty-eighth Annual Meeting of the Psychonomic Society, Vancouver, Canada.
26. McRae, K., (2017, September). *Abstract concepts, situations, and perceptual information*. Poster presented at the Annual Conference on Architectures and Mechanisms of Language Processing (2017), Lancaster, UK.
27. Elman, J. L., & McRae, K. (2017, July). *A model of event knowledge*. Paper presented at the 39th Annual Meeting of the Cognitive Science Society, London, UK.
28. Blumenthal, A., Duke, D., Bowles, B., Gilboa, A., Rosenbaum, S., Köhler, S. & McRae, K. (2017, February). *Abnormal semantic knowledge in a case of developmental amnesia*. Poster presented at the 46th Annual Conference of the Lake Ontario Visionary Establishment, Niagara Falls, Canada.
29. Yang, H., McRae, K., & Köhler, S. (2017, February). *LPC tracks recent as well as cumulative lifetime experiences with object concepts*. Poster presented at the 46th Annual Conference of the Lake Ontario Visionary Establishment, Niagara Falls, Canada.
30. Baena, E., Duke, D., Bowles, B., Martin, C. B., McRae, K., Köhler, S. Anderson, N. D. (2016, April). *Familiarity-based memory in healthy aging and amnesic Mild Cognitive Impairment*. Paper presented at the Cognitive Aging Conference 2016, Atlanta, GA.
31. Peters, R., Boutzoukis, E., McRae, K., & Borovsky, A. (2016, March). *Validating a new tool to explore psycholinguistic processing in infancy*. Poster presented at the 29th Annual CUNY Conference on Human Sentence Processing, Gainesville, FL.
32. McRae, K., Roberts, A., Orange, JB, & Nguyen, P. (2015, October). *Differential impairments of upper and lower limb movements influence action verb processing in Parkinson disease*. Poster presented at the Society for the Neurobiology of Language, Chicago, IL.
33. Santerre, K., Roberts, A., Orange, JB, Jenkins, M., Fraser, J. A., & McRae, K. (2015, October). *"She will drive the \_\_\_": Verb-based prediction in individuals with Parkinson disease*. Poster presented at the Society for the Neurobiology of Language, Chicago, IL.
34. Duke, D., Bowles, B., Martin, C. B., McRae, K., & Köhler, S. (2015, September). *Human perirhinal cortex supports judgments of recent frequency and cumulative long-term exposure to concepts*. Poster presented at the Inaugural Brain & Mind Institute Symposium, London, ON.

35. Santerre, K., Roberts, A., Orange, JB, Jenkins, M., Fraser, J. A., & McRae, K. (2015, September). "*She will drive the \_\_\_*": *Verb-based prediction in individuals with Parkinson disease*. Poster presented at the Inaugural Brain and Mind Institute Symposium, London, ON.
36. Beukema, S., McRae, K., Owen, A. M., & Cruse, D. (2015, June). *Temporal and spatial differences in language processes: Prognostic hope for patients with disorders of consciousness*. Poster presented at the 76th Annual Convention of the Canadian Psychological Association, Ottawa, ON.
37. Luta, D., King, L., & McRae, K. (2015, June). *Dimensions underlying abstract concepts*. Poster presented at the 76th Annual Convention of the Canadian Psychological Association, Ottawa, ON.
38. Duke, D., Bowles, B., Gilboa, A., Rosenbaum, S. R., Köhler, S., & McRae, K. (2015, May). *Abnormal semantic memory structure in a case of Developmental Amnesia*. Paper presented at the Toronto Area Memory Group Conference, Toronto, ON.
39. Beukema, S., McRae, K., Owen, A. M., & Cruse, D. (2015, March). *Decoding the spatiotemporal components in language: Implications for prognostication*. Poster presented at the Twenty-fifth Annual Rotman Research Institute Conference, Toronto, ON.
40. McRae, K., South, A., & Nguyen, P. (2014, November). *Parkinson patients' upper and lower limb motor impairments differentially influence action verb processing*. Paper presented at the Fifty-fifth Annual Meeting of the Psychonomic Society, Long Beach, CA.
41. Rabovsky, M., Schad, D., & McRae, K. (2014, September). *The N400 ERP component reflects implicit prediction error in the semantic system: Further support from a connectionist model of word meaning*. Poster presented at the 12th Biannual Conference of the German Cognitive Science Society, Tübingen, Germany.
42. Jouravlev, O., & McRae, K. (2014, September). *Are all thematic relations created equal? An ERP investigation of Agent-Patient, Agent-Property, and Agent-Location relations in semantic memory*. Poster presented at the Ninth International Conference on the Mental Lexicon, Niagara on the Lake, ON.
43. Duke, D., Bowles, B., Gilboa, A., Rosenbaum, S. R., McRae, K., & Köhler, S. (2014, May). *Typicality, familiarity and feature production in a case of Developmental Amnesia*. Poster presented at the Southern Ontario Neuroscience Association, London, ON.
44. Beukema, S., McRae, K., Owen, A., & Cruse, D. (2014, May). *Developing a hierarchy of language processing: Implications for patients with disorders of consciousness*. Poster presented at the Southern Ontario Neuroscience Association, London, ON.
45. Beukema, S., McRae, K., Owen, A., & Cruse, D. (2014, February). *Detecting preserved linguistic functioning in patients with disorders of consciousness: An event-related potential design*. Poster presented at the 43rd Annual Conference of the Lake Ontario Visionary Establishment, Niagara Falls, ON.
46. Duke, D., McRae, K., Bowles, B., Gilboa, A., Rosenbaum, S. R., & Köhler, S. (2013, November). *Abnormal semantic memory structure in a case of developmental amnesia*. Paper presented at the Fifty-fourth Annual Meeting of the Psychonomic Society, Toronto, ON.
47. McRae, K., & Rabovsky, M. (2013, November). *Simulating the N400 component of the ERP as semantic network error: Insights from feature-based connectionist attractor models of word meaning*. Paper presented at the Forty-third Meeting of the Society for Computers in Psychology, Toronto, ON.
48. Rabovsky, M., & McRae, K. (2013, August). *Simulating the N400 component of the ERP as semantic network error: Insights from feature-based connectionist attractor models of word meaning*. Paper presented at the 46th Annual Meeting of the Society for Mathematical Psychology, Potsdam, Germany.
49. Rabovsky, M., & McRae, K. (2013, August). *Simulating the N400 component of the ERP as semantic network error: Insights from feature-based connectionist attractor models of word meaning*. Poster presented at the Thirty-Fifth Annual Meeting of the Cognitive Science Society, Berlin, Germany.
50. Duke, D., Bowles, B., Gilboa, A., Rosenbaum, S. R., McRae, K., & Köhler, S. (2013, April). *Abnormal semantic memory structure in a case of developmental amnesia*. Poster presented at the Twentieth Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
51. Köhler, S., Bowles, B., & McRae, K. (2013, April). *Concept familiarity, frequency judgments, and semantic knowledge after anterior temporal lobe resection that spares the hippocampus*. Poster presented at the Twentieth Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
52. Rabovsky, M., & McRae, K. (2013, April). *The N400 component of the ERP as semantic network error: Insights from feature-based connectionist attractor models of word meaning*. Poster presented at the Twentieth Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
53. King, L., & McRae, K. (2012, November). *The importance of everyday situations for understanding abstract concepts*. Paper presented at the presented at the Fifty-third Annual Meeting of the Psychonomic Society, Minneapolis, MN.
54. King, L., & McRae, K. (2012, September). *The importance of everyday situations for representing, processing, and categorizing abstract concepts*. Poster presented at the Annual Conference on Architectures and Mechanisms of Language Processing (2012), Riva del Garda, Italy.

55. Rabovsky, M., & McRae, K. (2012, September). *The N400 component of the ERP as semantic network error: Insights from feature-based connectionist attractor models of word meaning*. Poster presented at the Annual Conference on Architectures and Mechanisms of Language Processing (2012), Riva del Garda, Italy. Winner of Best Student Poster Prize.
56. Rabovsky, M., & McRae, K. (2012, September). *The N400 component of the ERP as semantic network error: Insights from feature-based connectionist attractor models of word meaning*. Poster presented at the Bernstein Conference on Computational Neuroscience, Munich, Germany.
57. Rabovsky, M., & McRae, K. (2012, July). *The N400 may reflect implicit semantic prediction error: Insights from a connectionist attractor model of conceptual processing*. Poster presented at the 13<sup>th</sup> Neural Computation and Psychology Workshop (NCPW13), San Sebastian, Spain.
58. King, L., & McRae, K. (2012, June). *The importance of everyday situations for abstract concepts*. Poster presented at the 22<sup>nd</sup> Annual Meeting of the Canadian Society for Brain, Behavior, and Cognitive Science, Kingston, Canada.
59. Rabovsky, M., & McRae, K. (2012, June). *Simulating the N400 and decision latency effects in semantic tasks using an attractor network*. Poster presented at the 22<sup>nd</sup> Annual Meeting of the Canadian Society for Brain, Behavior, and Cognitive Science, Kingston, Canada.
60. King, L., & McRae, K. (2012, February). *The importance of situations for abstract concepts*. Poster presented at the 41st Annual Conference of the Lake Ontario Visionary Establishment, Niagara Falls, ON.
61. Matsuki, K., Donaghy, L., Spivey, M. J., Tanenhaus, M. T., & McRae, K. (2012, February). *Thematic fit induces competition effects in sentences that are resolved as a main clause*. Poster presented at the 41st Annual Conference of the Lake Ontario Visionary Establishment, Niagara Falls, ON.
62. McRae, K., Khalkhali, S., & Wammes, J. (2011, November). *Integrating words that refer to temporally sequenced events*. Paper presented at the Forty-first Meeting of the Society for Computers in Psychology, Seattle, WA.
63. Recchia, G., Keivit-Kylar, B., Jones, M. & McRae, K. (2011, November). *Using web games to elicit associative and feature based conceptual representations*. Paper presented at the Forty-first Meeting of the Society for Computers in Psychology, Seattle, WA.
64. Metusalem, R., Kutas, M., Hare, M., McRae, K., & Elman, J. L. (2010, September). *ERPs reveal rich event knowledge activation during on-line language comprehension*. Paper presented at the Joint Meeting of the Conceptual Structure, Discourse, and Language Conference and the Embodied and Situated Language Processing Workshop, San Diego, CA.
65. McRae, K., & Fischer, M. H. (2010, August). *The mechanics of embodiment*. Symposium presented at the Thirty-Second Annual Meeting of the Cognitive Science Society, Portland, OR.
66. Metusalem, R., Kutas, M., Hare, M., McRae, K., & Elman, J. L. (2010, August). *Generalized event knowledge activated during on-line language comprehension*. Paper presented at the Thirty-Second Annual Meeting of the Cognitive Science Society, Portland, OR.
67. Bowles, B., McRae, K., & Kohler, S. (2010, April). *A link between familiarity impairments in recognition memory and impairments in familiarity assessment for semantic concepts acquired over a lifetime*. Poster presented at the Seventeenth Annual Meeting of the Cognitive Neuroscience Society, Montreal, Canada.
68. Joanisse, M. F., Paivio, A., McRae, K., & Welcome, S. (2010, April). *An ERP study of concreteness effects in imagery and associate generation: Evidence for dual coding theory*. Poster presented at the Seventeenth Annual Meeting of the Cognitive Neuroscience Society, Montreal, Canada.
69. McNorgan, C., Barsalou, L. W., McRae, K., & Joanisse, M. F. (2010, April). *Multimodal profiles of object categories*. Poster presented at the Seventeenth Annual Meeting of the Cognitive Neuroscience Society, Montreal, Canada.
70. McNorgan, C., Reid, J., & McRae, K. (2009, November). *Integrating conceptual knowledge within and across representational modalities*. Paper presented at the Fiftieth Annual Meeting of the Psychonomic Society, Boston, MA.
71. Matsuki, K., Chow, T., Hare, M., Elman, J. L., Scheepers, C., & McRae, K. (2009, September) *There's no need to call it selectional restrictions: Event-based plausibility immediately influences on-line comprehension*. Paper presented at the Annual Conference on Architectures and Mechanisms of Language Processing (2009), Barcelona, Spain.
72. Hare, M. Jones, M., & McRae, K. (2008, November). *Activating event knowledge*. Paper presented at the Forty-Ninth Annual Meeting of the Psychonomic Society, Chicago, IL.
73. Matsuki, K., Chow, T., Hare, M., Elman, J. L., & McRae, K. (2008, November). *Dynamic combination of concepts during on-line language comprehension*. Paper presented at the Forty-Ninth Annual Meeting of the Psychonomic Society, Chicago, IL.
74. Bicknell, K., Elman, J. L., Hare, M., McRae, K., & Kutas, M. (2008, July). *Online expectations for verbal arguments conditional on event knowledge*. Poster presented at the Thirtieth Annual Meeting of the Cognitive Science Society, Washington, DC.
75. McNorgan, C., & McRae, K. (2008, June). *Within- and cross-modal feature knowledge integration in semantic memory*. Poster presented at the Eighteenth Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, London, Canada.

76. Matsuki, K., Chow, T., Hare, M., Elman, J. L., & McRae, K. (2008, June). *Dynamic combination of concepts during on-line language comprehension*. Poster presented at the Eighteenth Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, London, Canada.
77. McNorgan, C., & McRae, K. (2008, April). *Within- and cross-modal feature knowledge integration in semantic memory*. Poster presented at the 2nd Annual Workshop on Concepts, Actions, and Objects. Rovereto, Italy.
78. Bicknell, K., Elman, J. L., Hare, M., McRae, K., & Kutas, M. (2008, March). *Situation-specific expectations for verbal arguments: Evidence from self-paced reading and ERPs*. Poster presented at the Twenty-first Annual Conference on Human Sentence Processing, Chapel Hill, NC.
79. Matsuki, K., McRae, K., Tabaczynski, T., Elman, J. L., & Hare, M. (2008, March). *Conceptual and structural event-based expectancy generation in language comprehension*. Poster presented at the Twenty-first Annual Conference on Human Sentence Processing, Chapel Hill, NC.
80. Bicknell, K., Elman, J. L., Hare, M., & McRae, K. (2008, January). *When a participant tells us about an event: Evidence for the use of event knowledge*. Paper presented at the 2008 Annual Meeting of the Linguistics Society of America. Chicago, IL.
81. Hare, M., Tabaczynski, T., McRae, K., & Elman, J. L. (2007, November). *Sense, structure, and sentence comprehension*. Paper presented at the Forty-Eighth Annual Meeting of the Psychonomic Society, Long Beach, CA.
82. Cann, D. R., McRae, K., & Katz, A. N. (2007, November). *Schema-based gist and backward associations in false memories*. Paper presented at the Forty-Eighth Annual Meeting of the Psychonomic Society, Long Beach, CA.
83. Cann, D. R., McRae, K., & Katz, A. N. (2006, November). *Knowledge types underlying false recall in the Deese-Roediger-McDermott paradigm*. Paper presented at the Forty-Seventh Annual Meeting of the Psychonomic Society, Houston, TX.
84. O'Connor, C. M., McRae, K., & Cree, G. S. (2006, July). *Conceptual hierarchies arise from the dynamics of learning and processing: Insights from a flat attractor network*. Poster presented at the Twenty-Eighth Annual Conference of the Cognitive Science Society, Vancouver, Canada.
85. Grondin, R., Lupker, S. J., McRae, K. (2006, July). *Shared features dominate the number-of-features effect*. Poster presented at the Twenty-Eighth Annual Conference of the Cognitive Science Society, Vancouver, Canada.
86. McRae, K., McNorgan, C., & Cree, G. S. (2005, November). *Distinguishing features play a privileged role in word meaning computations*. Paper presented at the Forty-Sixth Annual Meeting of the Psychonomic Society, Toronto, Canada.
87. Hare, M., Tanenhaus, M., K., & McRae, K. (2005, November). *External/Internal status neither explains the frequency of occurrence nor the difficulty of comprehending reduced relative clauses*. Paper presented at the Forty-Sixth Annual Meeting of the Psychonomic Society, Toronto, Canada.
88. McNorgan, C. & McRae, K. (2005, November). *Causal and Statistical Knowledge in Concept Representation*. Paper presented at the Forth Tucson Conference of the Mental Lexicon, London, Canada.
89. Hare, M., Tanenhaus, M., K., & McRae, K. (2005, September). *Ambiguity resolution and passive occurrence, not internal versus external cause, determine the production and comprehension of reduced relative constructions*. Paper presented at the Annual Conference on Architectures and Mechanisms of Language Processing (2005), Ghent, Belgium.
90. Ferretti, T. R., McRae, K., Elman, J. L., & Ramshaw, C. (2005, July). *Expectancy for the morphological form of verbs during semantic priming*. Poster presented at the Twenty-Seventh Annual Conference of the Cognitive Science Society, Stresa, Italy.
91. McRae, K., & McNorgan, C. (2004, November). *The nature and influence of statistical feature correlations and explicit feature relations*. Poster presented at the Forty-Fifth Annual Meeting of the Psychonomic Society, Minneapolis, Minnesota.
92. Ferretti, T. R., McRae, K., Elman, J. L., & Ramshaw, C. (2004, November). *Expectancy for the morphological form of active and passive verbs during noun-verb semantic priming*. Poster presented at the Forty-Fifth Annual Meeting of the Psychonomic Society, Minneapolis, Minnesota.
93. McRae, K., Tanenhaus, M. K., & Spivey, M. J. (2004, September). *The interaction of thematic fit and ambiguity in main clause structures*. Poster presented at the Annual Conference on Architectures and Mechanisms of Language Processing (2004), Aix-en-Provence, France.
94. McRae, K., & Hare, M. (2004, August). *Event-based priming*. Poster presented at the Twenty-Sixth Annual Conference of the Cognitive Science Society, Chicago, IL.
95. McRae, K., & McNorgan, C. (2003, November). *Statistical feature correlations and explicit feature relations: Both matter*. Paper presented at the Forty-Forth Annual Meeting of the Psychonomic Society, Vancouver, Canada.
96. McRae, K., & Cree, G. S. (2003, September). *Object concept knowledge is organized by knowledge type, and other factors matter too*. Paper presented at the Thirteenth Conference of the European Society for Cognitive Psychology, Granada, Spain.

97. McRae, K., Cree, G. S., Cho, M-J, & McNorgan, C. (2003, September). *Distinguishing knowledge of living and nonliving things is computed quickly from concept names, and vice versa*. Poster presented at the Thirteenth Conference of the European Society for Cognitive Psychology, Granada, Spain.
98. McRae, K., Frymiare, J., Angelakis, E., Stathopoulou, T., Paivio, A., & Kounios, J. (2003, March). *Temporal and spatial loci of concreteness effects in semantic memory*. Poster presented at the Tenth Annual Meeting of the Cognitive Neuroscience Society, New York, NY.
99. Hare, M. L., McRae, K., & Elman, J. L. (2003, March). *Admitting that admitting verb sense into corpus analyses makes sense of inconsistent results*. Poster presented at the Sixteenth Annual Conference on Human Sentence Processing, Boston, MA.
100. McRae, K., Hare, M. L., Roland, D., & Elman, J. L. (2003, March). *Implementing the resolution of the temporary DO/SC ambiguity*. Poster presented at the Sixteenth Annual Conference on Human Sentence Processing, Boston, MA.
101. McRae, K., Hare, M. L., & Elman, J. L. (2002, September). *An implemented constraint-based model of DO/SC ambiguity resolution*. Poster presented at the Annual Conference on Architectures and Mechanisms of Language Processing (2002), Tenerife, Spain.
102. Cree, G. S., McRae, K., & Barsalou, L. W. (2002, April). *A multi-factor account of category-specific semantic deficits: Feature norm data and a connectionist model*. Poster presented at the Ninth Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.
103. McRae, K., Hare, M., Ferretti, T. R., & Elman, J. L. (2001, August). *Activating verbs from typical agents, patients, instruments, and locations via event schemas*. Paper presented at the Twenty-Third Annual Conference of the Cognitive Science Society, Edinburgh, Scotland.
104. Cree, G. S., & McRae, K. (2001, August). *A connectionist model of semantic memory: Superordinate structure without hierarchies*. Poster presented at the Twenty-Third Annual Conference of the Cognitive Science Society, Edinburgh, Scotland.
105. Cho, M., & McRae, K. (2001, June). *The time course of activation of distinguishing features in living and nonliving things*. Poster presented at the Eleventh Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Québec, PQ.
106. McRae, K., Hare, M., Ferretti, T. R., Merrill, M., & Elman, J. L. (2000, November). *Priming events from typical agents, patients, instruments, and locations*. Paper presented at the Forty-First Annual Meeting of the Psychonomic Society, New Orleans, LA.
107. McRae, K., Cree, G. S., & Westmacott, R. M. (2000, October). *Feature correlations and attractor network theories of semantic memory*. Paper presented at the Second International Conference on the Mental Lexicon, Montreal, PQ.
108. Cree, G. S., & McRae, K. (2000, October). *Semantic memory is organized by type of knowledge*. Poster presented at the Second International Conference on the Mental Lexicon, Montreal, PQ.
109. Ferretti, T. R., Gagne, C. L., & McRae, K. (2000, October). *Tense morphemes, event knowledge and conceptual combination*. Poster presented at the Second International Conference on the Mental Lexicon, Montreal, PQ.
110. McRae, K., Hare, M., & Elman, J. L. (2000, September). *Verb sense as a determinant of subcategorization choice: Experimental and modeling evidence*. Paper presented at the Annual Conference on Architectures and Mechanisms of Language Processing (2000), Leiden, NL.
111. Hare, M., McRae, K., & Elman, J. L. (2000, April). *Sense and structure: Meaning as a determinant of verb subcategorization preferences*. Paper presented at the Thirteenth Annual Conference on Human Sentence Processing, La Jolla, CA.
112. Cree, G. S., & McRae, K. (1999, November). *Instantiating hierarchical semantic relationships in a connectionist model of semantic memory*. Paper presented at the Fortieth Annual Meeting of the Psychonomic Society, Los Angeles, CA.
113. Ferretti, T. R., McRae, K. (1999, August). *Modeling the role of plausibility and verb-bias in the direct object/sentence complement ambiguity*. Poster presented at the Twenty-First Annual Conference of the Cognitive Science Society, Vancouver, BC.
114. McRae, K., Cree, G. S., & McNorgan, C. (1998, August). *Semantic similarity priming without hierarchical category structure*. Paper presented at the Twentieth Annual Conference of the Cognitive Science Society, Madison, WI.
115. Ferretti, T. R., & McRae, K. (1998, June). *Modeling the direct object/sentence complement ambiguity*. Poster presented at the Eighth Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Ottawa, ON.
116. Ferretti, T. R., & McRae, K. (1998, May). *The combinatorial nature of thematic roles*. Paper presented at the Seventeenth Annual Meeting of the Midwestern Psychological Association, Chicago, IL.
117. McRae, K., & Cree, G. S. (1997, November). *Using an attractor network to quantitatively account for semantic priming effects*. Poster presented at the Thirty-eighth Annual Meeting of the Psychonomic Society, Philadelphia, PA.
118. McRae, K., & Cree, G. S. (1997, July). *Category-specific semantic deficits and the organization of semantic memory*. Paper presented at the *First Annual Summer Interdisciplinary Conference*, Squamish, BC.



119. Ferretti, T. R., & McRae, K. (1997, June). *Computing general world knowledge without inferencing processes*. Paper presented at the Seventh Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Winnipeg, MN.
120. McRae, K., Spivey-Knowlton, M. J., & Tanenhaus, M. K. (1997, March). *Comparing implemented versions of the constraint-based and garden-path models of sentence comprehension*. Paper presented at the Ninth Annual CUNY Conference on Human Sentence Processing, Santa Monica, CA.
121. Ferretti, T. R., & McRae, K. (1997, March). *Who should be doing what to whom at this very moment: On-line activation of plausibility information*. Poster presented at the Ninth Annual CUNY Conference on Human Sentence Processing, Santa Monica, CA.
122. McRae, K., Spivey-Knowlton, M. J., & Tanenhaus, M. K. (1996, November). *An implemented constraint based model of sentence comprehension*. Poster presented at the Thirty-seventh Annual Meeting of the Psychonomic Society, Chicago, IL.
123. McRae, K., & Boisvert, S. (1996, July). *The importance of automatic semantic relatedness priming for distributed models of word meaning*. Paper presented at the Eighteenth Annual Conference of the Cognitive Science Society, Chicago, IL.
124. McRae, K., & Ferretti, T. R., & Airey, M. (1996, March). *Automatic activation of typical fillers of thematic roles*. Poster presented at the Ninth Annual CUNY Conference on Human Sentence Processing, New York, NY.
125. McRae, K., & Ferretti, T. R. (1995, November). *Priming thematic roles*. Poster presented at the Thirty-sixth Annual Meeting of the Psychonomic Society, Los Angeles, CA.
126. Ferretti, T. R., & McRae, K. (1995, June). *A conceptually-based theory of thematic roles*. Paper presented at the Fifth Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Halifax, NS.
127. McRae, K., & Ferretti, T. R. (1995, March). *Biasing on-line thematic assignment by emphasizing specific features*. Poster presented at the Eighth Annual CUNY Conference on Human Sentence Processing, Tucson, AZ.
128. McRae, K., & Amyote, L. (1994, November). *The internal structure of thematic roles*. Paper presented at the Thirty-fifth Annual Meeting of the Psychonomic Society, St. Louis, MO.
129. Plaut, D. C., Seidenberg, M. S., McClelland, J. L., & McRae, K. (1993, November). *Nonword pronunciation and models of visual word recognition*. Paper presented at the Thirty-fourth Annual Meeting of the Psychonomic Society, Washington, DC.
130. McRae, K., Spivey-Knowlton, M. J., & Tanenhaus, M. K. (1993, July). *Semantic fit and syntactic ambiguity resolution*. Poster presented at the Third Annual Meeting of the Canadian Society for Brain, Behavioral and Cognitive Sciences, Toronto, Ontario.
131. McRae, K., de Sa, V. R., & Seidenberg, M. S. (1993, June). *Modeling property intercorrelations in conceptual memory*. Paper presented at the Fifteenth Annual Conference of the Cognitive Science Society, Boulder, CO.
132. McRae, K., & Hetherington, P. A. (1993, June). *Catastrophic interference is eliminated in pretrained networks*. Poster presented at the Fifteenth Annual Conference of the Cognitive Science Society, Boulder, CO.
133. McRae, K., Spivey-Knowlton, M. J., & Tanenhaus, M. K. (1993, March). *Semantic fit and syntactic ambiguity resolution*. Poster presented at the Sixth Annual CUNY Conference on Human Sentence Processing, Amherst, MA.
134. McRae, K. (1992, July). *Correlated properties in artifact and natural kind concepts*. Paper presented at the 14th annual meeting of the Cognitive Science Society, Bloomington, IN.
135. Seidenberg, M. S., McRae, K., & Jared, D. (1988, November). *Frequency and consistency of spelling-sound correspondences in naming*. Paper presented at the 29th annual meeting of the Psychonomic Society, Chicago, IL.
136. Butler, B. E., McRae, K., & Popiel, S. J. (1987, June). *Spatiotopic and retinotopic components of iconic memory*. Paper presented at the 48th Annual Meeting of the Canadian Psychological Association, Vancouver, BC.

#### Editorial Consultant

1. Acta Psychologica
2. Annual Conference of the Cognitive Science Society
3. Annual Conference of the Society for Computers in Psychology (SCiP)
4. Architectures and Mechanisms of Language Processing
5. Benjamins
6. Behavior
7. Behavior Research Methods
8. Canadian Journal of Experimental Psychology
9. Child Development
10. Cognition
11. Cognitive, Affective, & Behavioral Neuroscience
12. Cognitive Processing
13. Cognitive Psychology

14. Cognitive Neuroscience
15. Cognitive Science
16. Cortex
17. CUNY Sentence Processing Conference
18. Current Directions in Psychological Science
19. Current Psychology Letters, Brain Behavior & Cognition
20. Developmental Science
21. Erlbaum
22. European Journal of Cognitive Psychology
23. Experimental Brain Research
24. Experimental Psychology
25. Journal of Cognitive Neuroscience
26. Journal of Experimental & Theoretical Artificial Intelligence
27. Journal of Experimental Child Psychology
28. Journal of Experimental Psychology: General
29. Journal of Experimental Psychology: Human Perception and Performance
30. Journal of Experimental Psychology: Learning, Memory, and Cognition
31. Journal of Memory and Language
32. Journal of Neuropsychology
33. Language
34. Language and Cognitive Processes
35. Lateralality
36. Memory & Cognition
37. MIT Press
38. Neuropsychologia
39. Oxford University Press
40. Proceedings of the National Academy of Science
41. Psychological Research
42. Psychological Review
43. Psychological Science
44. Psychonomic Bulletin & Review
45. Quarterly Journal of Experimental Psychology
46. Sage Publications
47. Trends in Cognitive Science
48. Topics in Cognitive Science
49. Vision Research

#### **Grant Reviewer**

1. Canada Foundation for Innovation
2. Israel Science Foundation
3. Katholieke Universiteit Leuven Research Council, Belgium
4. National Institutes of Health Challenge Grants
5. National Science Foundation, United States
6. Natural Sciences and Engineering Research Council of Canada
7. NSERC Create
8. Social Science and Humanities Research Council of Canada
9. SharcNet Fellowships
10. Wellcome Trust

#### **Professional Service**

Selection Committee Member: Jeffrey L. Elman Prize for Scientific Achievement and Community Building, Cognitive Science Society, 2019-present

Scientific Advisory Committee Member: Centre for Advanced Research in Experimental and Applied Linguistics (ARiEAL), 2017-2021.

International Advisory Board, Metaphor Lab, Amsterdam, 2015-present

Study Section Member: National Institutes of Health (US): Language & Communication Study Section, 2011-2014, 2015-2016.

Editorial Board: *Cognitive Science*, 2010-present

Review Editor: *Frontiers in Cognition*, 2010-present.

Program Committee Member. Chronos 11: 11th International Conference on Actionality, Tense, Aspect, Modality/Evidentiality. Pisa, Italy, June, 2014.

Program Committee Member. Workshop on *When arguments don't fit with verbs: Interdisciplinary approaches to metonymy and coercion*. Stuttgart, Germany, 2011.

Program Committee Member. Workshop on *The Identification and Representation of Verb Features*. Pisa, Italy, 2010.

Program Committee Member. Workshop on *Computational Neurolinguistics*. Los Angeles, CA, 2010.

Program Committee Member. Interdisciplinary Workshop on *Identification and Representation of Verb Features and Verb Classes*, Saarbrücken, Germany, 2005.

Associate Editor: *Memory and Cognition*, 2005-2008.

Member, NIH College of CSR Reviewers, 2010-2012.

Assistant Dean, Faculty of Social Science, UWO, 2007.

Associate Chair: Department of Psychology, UWO, 2004-2007.

Executive Officer of Graduate Affairs: Department of Psychology, UWO, 2004-2007.

Study Section Member: National Institutes of Health (US): Language & Communication Study Section, 2003, 2004, 2005, 2006.

Study Section Member: National Institutes of Health (US): Postdoctoral & Predoctoral Awards, F12A, 2008, 2009.

Study Section Member: National Science Foundation (US): Dynamics of Human Behavior, 2006, 2008.

Conference Organizer: 30th Annual Conference of the Cognitive Science Society, August, 2008.

Conference Organizer: 35th Annual Conference of the Lake Ontario Visionary Establishment, Perception and Cognition, February, 2006.

Conference Organizer: 34th Annual Conference of the Lake Ontario Visionary Establishment, Perception and Cognition, February, 2005.

Conference Organizer: 33rd Annual Conference of the Lake Ontario Visionary Establishment, Perception and Cognition, February, 2004.

Symposium Organizer, with Michael Jones: *Integrating methods to explore semantic relations: Perspectives from computer modeling, eyetracking, and neuroimaging*. Symposium conducted at the Nth Annual Meeting of the Society for Computers in Psychology. Boston, MA. November 2009.

Symposium Organizer: *Connectionist Models of Language and Memory*. Symposium conducted at the Eleventh Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Québec, PQ. Organized with G. S. Cree, & M. F. Joanisse.

Conference Organizer: 28th Annual Conference of the Lake Ontario Visionary Establishment, Perception and Cognition, February, 1999.

Conference Organizer: 24th Annual Conference of the Lake Ontario Visionary Establishment, Perception and Cognition, February, 1995.

## Trainees

### Postdoctoral Fellows

1. Conley, P. (2002-2004)
2. Roberts, A. (2014-2015)
3. Troyer, M. (2019-2021)

### M.Sc. (year graduated)

1. Ferretti, T. R. (1996)
2. Boisvert, S. (1996)
3. Cree, G. S. (1998)
4. Cho, M-J. (2001)
5. McNorgan, C. (2004)
6. Grondin, R. (2005)
7. O'Connor, C. (2006)
8. Matsuki, K. (2008)
9. Khalkhali, S. (2010)
10. King, L. (2012)
11. Nguyen, P. (2013)
12. Santerre, K. (2015)
13. Nedjadrassul, D. (2017)
14. Nisbet, K. (2017)
15. Hannah, K. (2020)

16. Morales, C. (2021)
17. Henderson, K. (2021-present)
18. Bain, M. (2022-present)

**Ph.D.**

1. Ferretti, T. R. (2000)
2. Cree, G. S. (2002)
3. McNorgan, C. (2008)
4. O'Connor, C. (2010)
5. Matsuki, K. (2013)
6. Rabovsky, M. (2013)
7. Duke, D. (2016)
8. Blumenthal, A. (2018)
9. Hannah, K. (2020-present)
10. Morales, C. (2021-present)

48 Undergraduate Honour's Thesis Students  
6 NSERC Summer Undergraduate Research Award Students  
2 UWO Undergraduate Student Research Internship Students  
5 Undergraduate Independent Study Students (research projects)

November 15, 2022

