

Ken McRae

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Academic Appointments

PI, Brain & Mind Institute	University of Western Ontario	July 2012 - present
Professor, Psychology	University of Western Ontario	July 2005 - present
Associate Professor, Psychology	University of Western Ontario	July 1999 - June 2005
Core Faculty Member, Neuroscience Graduate Program	University of Western Ontario	July 2000 - present
Visiting Associate Professor	University of California San Diego	Sept. 1999 - January 2000
Assistant Professor, Psychology	University of Western Ontario	July 1993 - June 1999
Postdoctoral Fellow	University of Rochester	January 1992 - June 1993
Supervisor: Dr. Michael K. Tanenhaus		

Education

Doctor of Philosophy (with Distinction), Psychology, McGill University, January 1992

Thesis: Independent and correlated properties in artifact and natural kind concepts

Supervisor: Dr. Mark S. Seidenberg

Master of Science, Psychology, McGill University, November 1988

Thesis: The locus of word frequency effects

Supervisor: Dr. Mark S. Seidenberg

Bachelor of Science (with Honours), Cognitive Science, Queen's University, October 1986

Thesis: Spatiotopic and retinotopic components of iconic memory

Supervisor: Dr. Brian E. Butler

Research Interests

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

Teaching Interests

Statistics, cognitive science, computational modeling, psycholinguistics, reading, cognitive psychology.

Professional Affiliations

Canadian Society for Brain, Behavioral, and Cognitive Sciences Member: 1992-present

Cognitive Neuroscience Society Member: 2002-present

Cognitive Science Society Member: 1996-present

European Society for Cognitive Psychology Member: 2003-present

Psychonomic Society Associate member: 1992-1999

Member: 1999-present

Awards

Premier's Research Excellence Award (Ontario, for young Scientists)

How people understand language

\$30,000 per year for August 2000 - July 2005

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)

Research Grant

Natural Sciences and Engineering Research Council of Canada

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

\$31,000 per year for April 2012 - March 2017

Academic Development Fund

University of Western Ontario

Electrophysiological Studies of Language and Concept Processing

\$86,385 for April 2010 - March 2011

co-PI: Ken McRae

PI: D. Jared

In collaboration with S. J. Lupker, A. N. Katz, M. F. Joanisse, & J. P. Minda

Research Tools and Instruments Grant

Natural Sciences and Engineering Research Council of Canada

Eyetracker for Language & Concepts Research Group

\$54,353 for April 2010 - March 2011

PI: Ken McRae

In collaboration with S. J. Lupker, A. N. Katz, D. Jared, M. F. Joanisse, & J. P. Minda

Research Grant

Natural Sciences and Engineering Research Council of Canada

Representation and computation of word meaning

\$26,112 per year for April 2007 - March 2012

Project Grant

National Institutes of Health (NICHD, United States)

Expectancy generation in sentence processing

Total direct costs = \$1,375,000

My portion = \$64,800, \$59,575, \$47,616, \$59,600, \$53,640, \$38,000 for the years from March 2007 - February 2013

In collaboration with Jeffrey L. Elman and Mary Hare

Research Grant

Natural Sciences and Engineering Research Council of Canada

Representation and computation of word meaning

\$27,000 per year for April 2002 - March 2007

Research Grants (continued)

Project Grant

National Institutes of Health (NIMH, United States)
Expectancy generation in sentence processing
Total direct costs = \$1,066,500
My portion = \$55,000 per year for July 2001 - June 2006
In collaboration with Jeffrey L. Elman and Mary Hare

Project Grant

National Institutes of Health (United States)
Spatiotemporal imaging of semantic memory
Total direct costs = \$1,350,000
My portion = \$40,500 per year for April 2002 - March 2006
In collaboration with John Kounios

Research Grant

SharcNet Research Fellowships
Simulating how readers represent and retrieve meaning from text
\$13,860 per year for January 2004 - December 2005
In collaboration with Stephen Lupker

Research Grant

SharcNet Research Fellowships
Simulating the spatial grid and time-course of Evoked Response Potentials during the computation of word meaning
\$10,216 per year for July 2002 - June 2004

Research Grant

Natural Sciences and Engineering Research Council of Canada
Computing noun and verb meaning
\$19,800 for April 1998 - March 1999
\$20,790 per year for April 1999 - March 2002

Equipment Grant

Natural Sciences and Engineering Research Council of Canada
Sun Workstation and software to support Research Grant "Computing noun and verb meaning"
\$23,000 for April 1998 - March 1999

Research Grant

Natural Sciences and Engineering Research Council of Canada
Viewing thematic roles as verb-specific concepts
\$15,000 per year for April 1994 - March 1998

Equipment Grant

Natural Sciences and Engineering Research Council of Canada
Monitoring eye movements in reading
\$26,462 for April 1994 - March 1995

Internal Research Grant

Natural Sciences and Engineering Research Council of Canada
Exploring the role of correlations among properties in semantic memory
\$8,000 for October 1993 - September 1994
University of Western Ontario, London, ON

Articles & Chapters (Students are underlined)

- 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.
- McRae, K., & Jones, M. N. (2013). Semantic memory. In D. Reisberg (Ed.), *The Oxford Handbook of Cognitive Psychology* (pp. 206-219). Oxford, UK.
- 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.
- Khalkhali, S., Wammes, J., & McRae, K. (2012). Integrating words that refer to typical sequences of events. *Canadian Journal of Experimental Psychology*, 66, 106-114.
- 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.
- 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.
- 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.
- 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.
- McNorgan, C., Reid, J., & McRae, K. (2011). Integrating conceptual knowledge within and across representational modalities. *Cognition*, 118, 211-233.
- 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.
- 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.
- 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.
- 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).
- Metusalem, R., Kutas, M., Hare, M., McRae, K., & Elman, J. L. (2010). *Generalized event knowledge activated* during on-line language comprehension. In S. Ohlsson & R. Catrambone (Eds.), *Proceedings of the Thirty-Second Annual Meeting of the Cognitive Science Society* (pp. 1058-1063). Austin, TX: Cognitive Science Society.
- 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.
- 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.

Articles & Chapters (continued)

- Grondin, R., Lupker, S., & McRae, K. (2009). Shared features dominate semantic richness effects for concrete concepts. *Journal of Memory & Language*, 60, 1-19.
- 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.
- Hare, M., Jones, M. N., Thomson, C., Kelly, S., & McRae, K. (2009). Activating event knowledge. *Cognition*, 111, 151-167.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- McRae, K., Cree, G. S., Seidenberg, M. S., & McNorgan, C. (2005). Semantic feature production norms for a large set of living and nonliving things. *Behavior Research Methods*, 37, 547-559.
- 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.
- 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.
- Elman, J. L., Hare, M., & McRae, K. (2004). Cues, constraints, and competition in sentence processing. In M. Tomasello and D. Slobin (Eds.) *Beyond Nature-Nurture: Essays in Honor of Elizabeth Bates* (pp. 111-138). Mahwah, NJ: Lawrence Erlbaum Associates.
- Hare, M., McRae, K., & Elman, J. L. (2004). Admitting that admitting verb sense into corpus analyses makes sense. *Language and Cognitive Processes*, 19, 181-224.

Articles & Chapters (continued)

- 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.
- 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.
- Ferretti, T. R., Gagné, C. L., & McRae, K. (2003). Thematic role focusing by participle inflections: Evidence from conceptual combination. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 29, 118-127.
- Hare, M., McRae, K., & Elman, J. L. (2003). Sense and structure: Meaning as a determinant of verb subcategorization preferences. *Journal of Memory and Language*, 48, 281-303.
- Richardson, D. C., Spivey, M. J., Barsalou, L. W., & McRae, K. (2003). Spatial representations activated during real-time comprehension of verbs. *Cognitive Science*, 27, 767-780.
- Jared, D., McRae, K., & Seidenberg, M. S. (2002). The basis of consistency effects in word naming. In G. T. M. Altmann (Ed.), *Psycholinguistics: Critical concepts, Vol. II* (pp. 638-679). London: Routledge. (Reprinted from *Journal of Memory and Language*, 29, 687-715).
- McRae, K., de Sa, V. R., & Seidenberg, M. S. (2002). On the nature and scope of featural representations of word meaning. In G. T. M. Altmann (Ed.), *Psycholinguistics: Critical concepts, Vol. II* (pp. 297-362). London: Routledge. (Reprinted from *Journal of Experimental Psychology: General*, 126, 99-130).
- McRae, K., & Cree, G. S. (2002). Factors underlying category-specific semantic deficits. In E. M. E. Forde & G. W. Humphreys (Eds.), *Category-Specificity in Brain and Mind* (pp. 211-249). East Sussex, UK: Psychology Press.
- Cree, G. S., & McRae, K. (2001). Beyond the sensory/functional dichotomy: Commentary on Humphreys, G. W., & Forde, E. M. E., Hierarchies, similarity and interactivity in object recognition: On the multiplicity of 'category-specific' deficits in neuropsychological populations, *Brain & Behavioral Sciences*, 24, 480-481.
- Ferretti, T. R., McRae, K., & Hatherell, A. (2001). Integrating verbs, situation schemas, and thematic role concepts. *Journal of Memory and Language*, 44, 516-547.
- McRae, K., Hare, M., Ferretti, T. R., & Elman, J. L. (2001). Activating verbs from typical agents, patients, instruments, and locations via event schemas. In J. D. Moore and K. Stenning (Eds.), *Proceedings of the Twenty-Third Annual Conference of the Cognitive Science Society* (pp. 617-622). Mahwah, NJ: Erlbaum.
- Cree, G. S., McRae, K., & McNorgan, C. (1999). An attractor model of lexical conceptual processing: Simulating semantic priming. *Cognitive Science*, 23, 371-414.
- Ferretti, T. R., & McRae, K. (1999). Modeling the role of plausibility and verb-bias in the direct object/sentence complement ambiguity. In *Proceedings of the Twenty-First Annual Conference of the Cognitive Science Society* (pp. 161-166). Hillsdale NJ: Erlbaum.
- McRae, K., Cree, G. S., Westmacott, R., & de Sa, V. R. (1999). Further evidence for feature correlations in semantic memory. *Canadian Journal of Experimental Psychology: Special Issue on Models of Word Recognition*, 53, 360-373.
- McRae, K., Cree, G. S., & McNorgan, C. (1998). Semantic similarity priming without hierarchical category structure. In *Proceedings of the Twentieth Annual Conference of the Cognitive Science Society* (pp. 681-686). Hillsdale NJ: Erlbaum.
- McRae, K., & Boisvert, S. (1998). Automatic semantic similarity priming. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 24, 558-572.

Articles & Chapters (continued)

- McRae, K., Spivey-Knowlton, M. J., & Tanenhaus, M. K. (1998). Modeling the influence of thematic fit (and other constraints) in on-line sentence comprehension. *Journal of Memory and Language*, 38, 283-312.
- McRae, K., de Sa, V. R., & Seidenberg, M. S. (1997). On the nature and scope of featural representations of word meaning. *Journal of Experimental Psychology: General*, 126, 99-130.
- McRae, K., Ferretti, T. R., & Amyote, L. (1997). Thematic roles as verb-specific concepts. *Language and Cognitive Processes: Special Issue on Lexical Representations in Sentence Processing*, 12, 137-176.
- McRae, K., & Boisvert, S. (1996). The importance of automatic semantic relatedness priming for distributed models of word meaning. In *Proceedings of the Eighteenth Annual Conference of the Cognitive Science Society* (pp. 278-283). Hillsdale NJ: Erlbaum.
- Seidenberg, M. S., Plaut, D. C., Petersen, A. S., McClelland, J. L., & McRae, K. (1994). Nonword pronunciation and models of word recognition. *Journal of Experimental Psychology: Human Perception and Performance*, 20, 1177-1196.
- Tabossi, P., Spivey-Knowlton, M. J., McRae, K., & Tanenhaus, M. K. (1994). Semantic effects on syntactic ambiguity resolution: Evidence for a constraint-based resolution process. In C. Umiltà & M. Moscovitch (Eds.), *Attention & Performance XV* (pp. 589-616). Cambridge, MA: MIT Press.
- 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.
- 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.
- 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.
- Jared, D., McRae, K., & Seidenberg, M. S. (1990). The basis of consistency effects in word naming. *Journal of Memory and Language*, 29, 687-715.
- 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.
- 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.
- 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: Cambridge University Press.

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.

Submitted Manuscripts

- King, L., Azizli, N., & McRae, K. Situational knowledge in the representation and processing of relational and internal state abstract concepts.
- Rabovsky, M., & McRae, K. Simulating the N400 ERP component as semantic network error: Insights from a feature-based connectionist attractor model of word meaning. *Cognition*.
- Bowles, B., McRae, K., & Köhler, S. A link between familiarity impairments in recognition memory and impairments in familiarity assessment for semantic concepts acquired over the lifetime.

Invited Talks

- McRae, K. (2012, October). *Event knowledge and expectancy generation in language comprehension*. Department of Linguistics, Scuola Normale Superiore, Pisa, Italy.
- 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.
- 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.
- McRae, K., Khalkhali, S., & Wammes, J. (2011, June). *Integrating event concepts*. Festschrift in Honour of Douglas Mewhort, 21st Annual Meeting of the Canadian Society for Brain, Behavior, and Cognitive Science, Winnipeg, Canada.
- 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, 21st Annual Meeting of the Canadian Society for Brain, Behavior, and Cognitive Science, Winnipeg, Canada.
- 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.
- 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.
- 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.
- 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.
- McRae, K. (2010, November). *Event-based thematic role concepts*. Second Interdisciplinary Workshop on Verbs. Pisa, Italy.
- 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.
- McRae, K. (2010, May). *Getting the gist: The critical role of semantic relations in DRM false memories*. Glasgow University Language Group Colloquium, Glasgow, UK.
- 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.
- 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.

Invited Talks (continued)

- 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.
- McRae, K. (2009, May). *How our knowledge of real-world events influences language comprehension*. Psychology Departmental Colloquium, University of Wisconsin, Madison, WI.
- 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.
- 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. Myachikov (Chair), General Cognition and Language Processing. Symposium conducted at the Third International Conference on Cognitive Science. Moscow, Russia.
- McRae, K. (2008, March). *How knowledge of real-world events influences language comprehension*. University of Connecticut Cognitive Science Colloquium, Storrs, CT.
- McRae, K. (2008, March). *Testing an attractor network model of word meaning*. Haskins Laboratories Colloquium, New Haven, CT.
- McRae, K. (2007, November). *How knowledge of real-world events influences language comprehension*. University of Texas at Austin Psychology Department Colloquium, Austin, TX.
- McRae, K. (2007, November). *Testing an attractor network model of word meaning*. University of California, Merced Cognitive Science Colloquium, Merced, CA.
- 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.
- McRae, K. (2007, June). *Meaning and structure: Influences of real-world events on language comprehension*. Conference on Building Meaning from Language. Medford, MA.
- McRae, K. & O'Connor, C. M. (2006, February). *Semantic memory: Insights from feature-based attractor networks*. Emory University Psychology Department Colloquium, Atlanta, GA.
- 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.
- 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.
- 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.
- 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.
- 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.

Invited Talks (continued)

- 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.
- 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.
- Conley, P., McRae, K., & Hare, M. (2003, December). *Association and semantics*. Department of Psychology: University of Toronto.
- Hare, M., McRae, K., & Conley, P. (2003, November). *Association and semantics*. Department of Psychology: University of Illinois at Urbana-Champaign.
- Hare, M., McRae, K., & Elman, J. L. (2003, November). *Making sense of meaning and structure*. Department of Psychology: University of Illinois at Urbana-Champaign.
- 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.
- McRae, K. (2003, July). *Some thoughts on some aspects of implementable semantics: Word meaning and thematic fit*. University of Saarland, Saarbrücken, Germany.
- McRae, K. (2003, May). Participating Faculty Advisor at *Workshop on Empirical Methods in Cognitive Linguistics*. Cornell University, Ithaca, NY.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- McRae, K. (2002, March). *Sense determining structure: The influence of sense-contingent subcategorization preferences on structural ambiguity resolution*. UWO Linguistics Group, London, ON.
- 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.
- 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.

Invited Talks (continued)

- 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.
- 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 Experiment Neuropsychology, Montreal, PQ.
- McRae, K. (2000, April). *Factors underlying category-specific deficits*. Queen's University NSERC Group Colloquium, Kingston, ON.
- McRae, K. (2000, February). *Factors underlying category-specific deficits*. Cornell University Psychology Department Distinguished Speaker Colloquium, Ithaca, NY.
- McRae, K. (2000, January). *Factors underlying category-specific deficits*. McMaster University Psychology Department Colloquium, Hamilton, ON.
- McRae, K. (1999, December). *Factors underlying category-specific deficits*. University of Southern California Neuroscience Program Colloquium, Los Angeles, CA.
- McRae, K. (1999, December). *Factors underlying category-specific deficits*. University of California, Riverside Psychology Department Colloquium, Riverside, CA.
- McRae, K. (1999, December). *Factors underlying category-specific deficits*. University of California, San Diego Linguistics Department Colloquium, La Jolla, CA.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- McRae, K. (1996, October). *Testing a distributed model of semantic memory*. State University of New York at Buffalo Cognitive Science Colloquium, Buffalo, NY.
- 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.

Invited Talks (continued)

- 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.
- 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.
- 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.
- McRae, K. (1994, July). *Testing a theory of thematic roles*. Human Communications Research Unit, University of Western Ontario, London, ON.
- 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.
- 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.
- McRae, K. (1993, March). *Correlated features and the computation of word meaning*. Department of Psychology, Duke University.
- McRae, K. (1992, November). *The role of correlated properties in computing lexical concepts*. Université de Laval Cognitive Science Colloquium, Québec, PQ.
- 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.
- McRae, K. (March, 1992). *Correlated properties and the computation of word meaning*. Syracuse University Cognitive Science Colloquium, Syracuse, NY.

Conference Presentations

- King, L., Azizli, N., & McRae, K. (2013, September). *The importance of real-world situations for understanding relational and internal state abstract concepts*. Paper presented at the Eighteenth European Society for Cognitive Psychology, Budapest, Hungary.
- 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.
- 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.
- 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.

Conference Presentations (continued)

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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 13th Neural Computation and Psychology Workshop (NCPW13), San Sebastian, Spain.
- King, L., & McRae, K. (2012, June). *The importance of everyday situations for abstract concepts*. Poster presented at the 22nd Annual Meeting of the Canadian Society for Brain, Behavior, and Cognitive Science, Kingston, Canada.
- Rabovsky, M., & McRae, K. (2012, June). *Simulating the N400 and decision latency effects in semantic tasks using an attractor network*. Poster presented at the 22nd Annual Meeting of the Canadian Society for Brain, Behavior, and Cognitive Science, Kingston, Canada.
- 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, NY.
- 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, NY.
- 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.
- 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.
- 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.

Conference Presentations (continued)

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

Conference Presentations (continued)

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- McRae, K., & Hare, M. (2004, August). *Event-based priming*. Poster presented at the Twenty-Sixth Annual Conference of the Cognitive Science Society, Chicago, IL.
- 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.

Conference Presentations (continued)

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

Conference Presentations (continued)

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

Conference Presentations (continued)

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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

Acta Psychologica
 Annual Conference of the Cognitive Science Society
 Annual Conference of the Society for Computers in Psychology (SCiP)
 Architectures and Mechanisms of Language Processing
 Benjamins
 Behavior
 Behavior Research Methods
 Canadian Journal of Experimental Psychology
 Child Development
 Cognition
 Cognitive, Affective, & Behavioral Neuroscience
 Cognitive Processing
 Cognitive Psychology
 Cognitive Neuroscience
 Cognitive Science
 Cortex
 CUNY Sentence Processing Conference
 Current Directions in Psychological Science

Editorial Consultant (continued)

Current Psychology Letters, Brain Behavior & Cognition
 Developmental Science
 Erlbaum
 European Journal of Cognitive Psychology
 Experimental Brain Research
 Experimental Psychology
 Journal of Cognitive Neuroscience
 Journal of Experimental Child Psychology
 Journal of Experimental Psychology: General
 Journal of Experimental Psychology: Human Perception and Performance
 Journal of Experimental Psychology: Learning, Memory, and Cognition
 Journal of Memory and Language
 Journal of Neuropsychology
 Language
 Language and Cognitive Processes
 Laterality
 Memory & Cognition
 MIT Press
 Neuropsychologia
 Oxford University Press
 Proceedings of the National Academy of Science
 Psychological Research
 Psychological Review
 Psychological Science
 Psychonomic Bulletin & Review
 Quarterly Journal of Experimental Psychology
 Sage Publications
 Trends in Cognitive Science
 Topics in Cognitive Science
 Vision Research

Grant Reviewer

Canada Foundation for Innovation
 Israel Science Foundation
 Katholieke Universiteit Leuven Research Council, Belgium
 National Institutes of Health Challenge Grants
 National Science Foundation, United States
 Natural Sciences and Engineering Research Council of Canada
 NSERC Create
 Social Science and Humanities Research Council of Canada
 SharcNet Fellowships
 Wellcome Trust

Professional Service

Study Section Member: National Institutes of Health (US): Language & Communication Study
 Section, 2011-2015.
 Editorial Board: *Cognitive Science*, 2010-present
 Review Editor: *Frontiers in Cognition*, 2010-present.

Professional Service (continued)

- 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.
- Symposium Organizer. SCiP, 2009.
- 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.

Students

M.Sc.

Ferretti, T. R. (1996)

Boisvert, S. (1996)

Cree, G. S. (1998)

Cho, M-J. (2001)

McNorgan, C. (2004)

Grondin, R. (2005)

O'Connor, C. (2006)

Matsuki, K. (2008)

Khalkhali, S. (2010)

King, L. (2012)

Nguyen, P. (in progress)

Santerre, K. (in progress)

Ph.D.

Ferretti, T. R. (2000)

Cree, G. S. (2002)

McNorgan, C. (2008)

O'Connor, C. (2010)

Matsuki, K. (in progress)

36 Undergraduate Honour's Thesis Students

3 NSERC Summer Undergraduate Research Award Students

5 Undergraduate Independent Study Students (research projects)