

**MYRA A. FERNANDES**

**CURRICULUM VITAE**

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**EDUCATION**

PhD Psychology; Extension in Clinical Neuropsychology, University of Toronto November 2001  
 Masters Psychology, University of Toronto November 1997  
 BSc. (Psychology major, Biology minor), University of Waterloo June 1996

**PROFESIONAL POSITIONS**

Full Professor, University of Waterloo 2015-present  
 Research Scientist, Schlegel-UWaterloo Research Institute for Aging 2006-present  
 Associate Professor, University of Waterloo 2009-2015  
 Assistant Professor, University of Waterloo 2004-2009  
 Post-doctoral Fellow, Rotman Research Institute, University of Toronto 2001-2004

**AWARDS**

Fellow – *Canadian Society for Brain Behaviour and Cognitive Science (CSBBCS)* 2018  
 Fellow – *Association for Psychological Science (APS)* 2017  
 Mentorship Award - *Women in Cognitive Science Canada* 2017  
 Outstanding Performance Award, *University of Waterloo* 2016  
 Research Excellence Award - *Ontario Ministry of Research & Innovation* 2008-2013  
 Outstanding Performance Award, *University of Waterloo* 2013  
 Extraordinary Service Award - *Journal of Gerontology: Psychological Science:* 2011  
 Outstanding Performance Award, *University of Waterloo* 2009  
 Top Reviewer Award - *Neuropsychologia* 2008  
 President’s New Researcher Award - *Canadian Psychological Association* 2007  
 Visiting Scientist Fellowship –*Rotman Research Institute, Baycrest Hospital* 2007  
 Postdoctoral fellowship - *NSERC* 2001-2004  
 Travel Award - *Organization for Human Brain Mapping* 2003  
 Postgraduate Masters and Doctoral level Scholarships - *NSERC* 1996-2000

**GRANTS**

**External Research Funding:**

Natural Sciences and Engineering Research Council of Canada (NSERC)  
 Discovery Grant 2015-2020 total \$165,000  
 NSERC  
 Discovery Grant 2010-2015 total \$175,000  
 Ontario Ministry of Research & Innovation  
 Early Researcher Grant 2008-2013 total \$150,000  
 Canadian Institutes of Health Research (CIHR)

Operating Grant (co-investigator)	2009-2012	total \$300,000
CIHR		
Pilot project grant	2009	total \$37,374
NSERC		
Research Tools & Instruments (co-investigator)	2008	total \$90,500
NSERC		
Discovery Grant	2005-2010	total \$79,045
Canadian Psychological Association		
Travel grant	2007	total \$1,000
NSERC		
Research Tools & Instruments	2005	total \$11,400
NSERC		
Postdoctoral Fellowship	2001-2004	total \$81,666
Catherall Award		
Postdoctoral Fellowship, University of Toronto	2003-2004	total \$4,000
Organization for Human Brain Mapping		
Travel grant	2003	total \$750

### Internal Research Funding:

Waterloo-Bordeaux International Initiative		
Co-Primary investigator	2017-2018	total \$18,000
Bordeaux International Student Travel Support		
Co-Primary investigator	2016-2017	total 9,000 Euro
Bordeaux-University of Waterloo Initiative		
Co-Primary investigator	2015-2016	total \$20,000
University of Waterloo		
CIHR Initiatives Fund	2008	total \$8,000
University of Waterloo Learning Initiatives		
Teaching grant	2005-2006	total \$9,120
University of Waterloo		
Start-up Funds	2005	total \$3,000
University of Waterloo		
Start-up Funds	2004	total \$53,000

### PUBLICATIONS (supervised students underlined)

#### Books:

1. Aizenstein, H., **Fernandes, M.A.**, & Reynolds, III, C.F. (Eds.) (2010). *Neuroimaging Research in Geriatric Mental Health*. Springer Publishing Company, New York, NY
2. Galotti, K., **Fernandes, M.A.**, Fugelsang, J., & Stolz, J. (2009). *Cognitive Psychology In and Out of the Laboratory*. 1st Canadian Edition. Thomson Nelson Publishing, Toronto, ON; \* Fernandes contribution = 4 of 12 chapters

#### Chapters in Books:

1. **Fernandes, M. A.**, & Wammes, J. D. (2016). Memory and Memory Theory. In S. Krauss Whitbourne & L. Yang (Eds.) *Encyclopedia of Adulthood and Aging*. John Wiley Inc. Publishing, Hoboken, NY. pp. 878-882.
2. **Fernandes, M.A.**, and Moscovitch, M. (2013). Divided Attention and Memory. In H. Pashler (Ed.) *Encyclopedia of the Mind*. Sage Publications, Thousand Oaks, California. Volume 1, pp. 260-264.
3. **Fernandes, M.A.** (2010). Functional Neuroanatomy of Aging and Cognition. In H. Aizenstein,

**M.A. Fernandes**, & C.F. Reynolds, III (Eds.), *Neuroimaging Research in Geriatric Mental Health*. Springer Publishing Company, New York, NY. pp. 125-148.

4. Moscovitch, M., **Fernandes, M.A.**, & Troyer, A. (2002). Working-with-memory and Cognitive Resources: A Component Process Account of Divided Attention and Memory. In M. Naveh-Benjamin, M. Moscovitch & H. L. Roediger III (Eds.), *Perspectives of Human Memory and Cognitive Aging: Essays in honor of Fergus Craik*. Philadelphia: Psychology Press. pp. 171-207

#### Articles in Refereed Journals:

1. Meade, M.E., Wammes, J.D. & **Fernandes, M.A.** (in press; accepted January 22<sup>nd</sup>, 2018). Drawing as an encoding tool: Memorial benefits in younger and older adults. *Experimental Aging Research*.
2. **Fernandes, M.A.**, Wammes, J.D., & Meade, M.E. (in press; accepted January 2<sup>nd</sup> 2018). The surprisingly powerful influence of drawing on memory. *Current Directions in Psychological Science*.
3. Lee, C., & **Fernandes, M.A.** (2017). Emotional Encoding Context Leads to Memory Bias in Individuals with High Anxiety. *Brain Sciences*. 8, 6; doi:10.3390/brainsci8010006
4. Wammes, J.D., Meade, M. & **Fernandes, M.A.** (2017) Creating a vivid recollection-based memory through drawing. *Journal of Experimental Psychology: Learning, Memory & Cognition*, Advance online publication. <http://dx.doi.org/10.1037/xlm0000445XLM-2016-2905>
5. Meade, M.E., & **Fernandes, M.A.** (2017) Semantic and visual relatedness of distractors impairs episodic retrieval of pictures in a divided attention paradigm, *Visual Cognition*, 25:7-8, 825-840, DOI: 10.1080/13506285.2017.1344341
6. Wammes, J. D., Meade, M. E., & **Fernandes, M. A** (2017). Learning terms and definitions: Drawing and the role of elaborative encoding. *Acta Psychologica*, 179, 104-113.
7. Wammes, J.D., & **Fernandes, M.A.** (2017). The Residual Protective Effects of Enactment. *Cognition*, 184, 87-101.
8. Wammes, J.D., Good, T.J., & **Fernandes, M.A.** (2017). Autobiographical and Episodic Memory Deficits in Mild Traumatic Brain Injury. *Brain & Cognition*, 111, 112-126
9. **Fernandes, M. A.**, Wammes, J. D., Priselac, S. & Moscovitch, M. (2016). Interfering with free recall of words: Detrimental effects of phonological competition. *Neuropsychologia*, 90, 59-71.
10. Wammes, J.D., Meade, M.E., & **Fernandes, M.A.** (2016). The Drawing Effect: Evidence for Reliable and Robust Memory Benefits. *Quarterly Journal of Experimental Psychology*, 69, 1752-1776.
11. Meade, M.E., & **Fernandes, M.A.** (2016). The role of semantically related distractors during encoding and retrieval of words in long-term memory. *Memory*, 24, 801-811.
12. Wammes, J.D., & **Fernandes, M.A.** (2016). Interfering with memory for faces: The cost of doing two things at once. *Memory* 24, 2, 184-203.
13. Ozen, L.J., **Fernandes, M. A.**, Clark, A. J., & Roy, E. A. (2015). Evidence of cognitive decline in older adults after remote traumatic brain injury: an exploratory study. *Aging, Neuropsychology, and Cognition*, 22, 5, 517-533.
14. Ahmad, F., **Fernandes, M.A.**, Hockley, W. (2015). Improving associative memory in older adults with unitization. *Aging Neuropsychology and Cognition*, 22, 4, 452-472.
15. Delleman, B. & **Fernandes, M.A.** (2015) Individual Differences in Anxiety Influence Verbal Long-term Memory Accuracy and Confidence. *Journal of Individual Differences*, 36, 2, 73-79.

16. **Fernandes, M.A** (2014). Specifying the link between brain integrity, cognitive, and affective functioning in aging individuals. *The Journal of Gerontology: Psychological Sciences The Journal of Gerontology: Psychological Sciences*, 69, 6, 823-825.
17. **Skinner, E.I., Manios, M., Fugelsang, J., & Fernandes, M.A.** (2014). Reinstatement of Encoding Context During Recollection: Behavioural and Neuroimaging Evidence of a Double Dissociation. *Behavioural Brain Research* 264, 51–63.
18. **Tomaszczyk, J., & Fernandes, M.A.** (2014). Age-related Differences in Attentional Bias for Emotional Faces. *Aging, Neuropsychology, and Cognition*, 21 (5), 544–559.
19. **Fernandes, M.A.** (2013). Strategies and Factors That Help or Hinder Memory. *The Journal of Gerontology: Psychological Sciences*, 68 (6): 859-861.
20. **Fernandes, M.A., Wammes, J., & Hsiao, J.** (2013). Representation of Linguistic Information Determines its Susceptibility to Memory Interference. *Brain Sciences*, 3, 1244-1260.
21. **Ozen, L.J., Itier, R.J., Preston, F.F., Fernandes, M.A.** (2013). Long-term Working Memory Deficits After Concussion: Electrophysiological Evidence. *Brain Injury*, 27 (11), 1244-1255.
22. **Fernandes, M.A., Miller, E., & Michela, J.** (2013). Alpha Meals: Using Cognitive Psychology to Boost Restaurant Server Performance. *Sage Open*, April-June, 1-6.
23. **Tomaszczyk, J., & Fernandes, M.A.** (2013). A Positivity Effect in Older Adults' Memorability Judgments of Pictures. *Experimental Aging Research*, 39, 254-274.
24. **Tomaszczyk, J., & Fernandes, M.A.** (2012). A Positivity Effect in Autobiographical Memory, But Not Phonemic Fluency, in Older Adults. *Aging, Neuropsychology, & Cognition*, 19, 699-722.
25. **Fernandes, M.A., & Manios, M.** (2012). How Does Encoding Context Affect Memory in Younger and Older Adults? *Quarterly Journal of Experimental Psychology*, 65, 1699-1720.
26. **Ozen, L.J., & Fernandes, M.A.** (2012). Slowing Down After a Mild Traumatic Brain Injury: A Strategy to Improve Cognitive Task Performance? *Archives of Clinical Neuropsychology*, 27, 85-100.
27. **Schryer, E., Ross, M, St-Jaques, P., Levine, B., & Fernandes, M.A.** (2012). Emotional Expressivity in Older and Younger Adults' Descriptions of Personal Memories. *Experimental Aging Research*, 38, 345-369.
28. **Fernandes, M.A., Koji, S., Dixon, M.J., Aquino, J.M.** (2011). Changing the Focus of Attention: The Interacting Effect of Valence and Arousal. *Visual Cognition*, 19 (9), 1191-1211.
29. **Danckert, S., MacLeod, C., & Fernandes, MA.** (2011). Source-Constrained Retrieval Influences the Encoding of New Information. *Memory & Cognition*, 39, 137
30. **Ozen, L.J., & Fernandes, M.A.** (2011). Effects of "Diagnosis Threat" on Cognitive and Affective Functioning Long After Mild Head Injury. *Journal of the International Neuropsychological Society*, 17, 1-11.
31. **Skinner, E., Grady, C., & Fernandes, M.A.** (2010) Reactivation of Context-Specific Brain Regions During Retrieval. *Neuropsychologia*, 48, 156-164.
32. **Koji, S., & Fernandes, M.A.** (2010) Does It Matter Where We Meet? The Role of Emotional Context in Evaluative First Impressions. *Canadian Journal of Experimental Psychology*, 64(2), 107-116.
33. **Ozen, L.J., Skinner, E.I., & Fernandes, M.A.** (2010). Rejecting Familiar Distractors During Recognition in Young Adults With Traumatic Brain Injury and in Healthy Older Adults. *Journal of the International Neuropsychological Society*, 16, 556-565.
34. **Skinner, E. & Fernandes, M.A.** (2010) Effect of Study Context on Item Recollection. *The Quarterly Journal of Experimental Psychology*, 63(7), 1318-1334.

35. Skinner, E., **Fernandes, M.A.**, & Grady, C. (2009). Memory Networks Supporting Retrieval Effort and Retrieval Success Under Conditions of Full and Divided Attention. *Experimental Psychology*, *56*, 386-396.
36. **Fernandes, M.A.**, & Guild, E. (2009). Process-specific Interference Effects During Recognition of Spatial Patterns and Words. *Canadian Journal of Experimental Psychology*, *63*, 24-32.
37. Skinner, E., & **Fernandes, M.A.** (2009). Age-related Changes in the Use of Study Context to Increase Recollection. *Aging, Neuropsychology & Cognition*, *16*, 377-400.
38. Skinner, E., & **Fernandes, M.A.** (2009b). Illusory Recollection in Older Adults and Young Under Divided Attention. *Psychology & Aging*, *24*, 211-216.
39. **Fernandes, M.A.**, Ross, M., Wiegand, M., & Schryer, E. (2008). Are the Memories of Older Adults Positively Biased? *Psychology & Aging*, *23*, 297-306.
40. **Fernandes, M.** & Grady, C. (2008). Effect of Divided Attention on Recall of Related and Unrelated Words in Young and Old Adults. *Experimental Aging Research*, *34*, 297-322.
41. Tomaszczyk, J.C., **Fernandes, M.A.**, & MacLeod, C.M. (2008). Personal Relevance Modulates the Positivity Bias in Recall of Emotional Pictures in Older Adults. *Psychonomic Bulletin & Review*, *15*, 191-196.
42. Skinner, E. & **Fernandes, M.A.** (2008). Interfering With Remembering and Knowing: Effects of Divided Attention at Retrieval. *Acta Psychologica*, *127*, 211-221.
43. Reinke, K., **Fernandes, M.A.**, Schwindt, G., O'Craven, K., & Grady, C. (2008). Functional Specificity of the Visual Word Form Area: General Activation for Words and Symbols but Specific Network Activation for Words. *Brain & Language*, *104*, 180-189.
44. **Fernandes, M.A.**, Craik, F.I.M., Bialystok, E., & Kreuger, S. (2007). Effect of Bilingualism, Aging, and Semantic Relatedness on Memory Under Divided Attention *Canadian Journal of Experimental Psychology* *61*, 128-141.
45. Skinner, E. & **Fernandes, M.A.** (2007). Neural Correlates of Remembering and Knowing at Retrieval: A Review of Neuroimaging and Patient Data. *Neuropsychologia*, *45*, 2163-2179.
46. **Fernandes, M.A.**, Pacurar, A, Moscovitch, M., & Grady, C. (2006). Neural Correlates of Auditory Recognition Under Full and Divided Attention in Young and Old Adults, *Neuropsychologia*, *44*, 2452-2464.
47. Andres, A., & **Fernandes, M.A.** (2006). Effect of Short and Long Exposure Duration and Dual-tasking on a Global-local Task, *Acta Psychologica*, *122*, 247-266.
48. **Fernandes, M.A.**, McAndrews, M.P., Smith, M.L., Logan, W., Crawley, A., & Mikulus, D. (2006). Comparing Language Lateralization Determined by Dichotic Listening and fMRI Activation in Frontal and Temporal Lobes in Children. *Brain & Language*, *96*, 106-114.
49. **Fernandes, M.A.**, Moscovitch, M., Ziegler, M., & Grady, C. (2005). Brain Regions Associated With Successful and Unsuccessful Retrieval of Verbal Episodic Memory Under Divided Attention. *Neuropsychologia*, *43*, 1115-1127.
50. **Fernandes, M.A.**, Davidson, P., Glisky, E., & Moscovitch, M. (2004). Level of Frontal and Temporal Lobe Function and Susceptibility to Divided Attention Effects at Retrieval in Older Adults. *Neuropsychology*, *18*, 514-525.
51. **Fernandes, M.A.**, & Moscovitch, M. (2003). Interference Effects From Divided Attention During Retrieval in Younger and Older Adults. *Psychology & Aging*, *18*, 219-230.
52. **Fernandes, M.A.**, & Moscovitch, M. (2002) Factors Modulating the Effect of Divided Attention During Retrieval of Words. *Memory & Cognition*, *30*, 731-744.
53. **Fernandes, M.A.**, & Moscovitch, M. (2000). Divided Attention and Memory: Evidence of Substantial Interference Effects Both at Retrieval and Encoding. *Journal of Experimental Psychology: General*, *129*, 155-176.
54. **Fernandes, M.A.**, & Smith, M.L. (2000). Comparing the Fused Dichotic Words Test and the Intracarotid Amobarbital Procedure in Children With Epilepsy. *Neuropsychologia*, *38*, 1216-1228.

### Submitted Articles:

1. Meade, M.E., Wammes J.D., & Fernandes, M.A. (invited resubmission). Comparing the influence of doodling, drawing, and writing at encoding on memory. *Canadian Journal of Experimental Psychology*
2. Lee, C., Koji, S., & Fernandes, M.A. (invited resubmission). Familiarity Modulates context Reinstatement Effects for Faces. *Applied Cognitive Psychology*. (ACP-17-0145).
3. Wammes, J.D., Roberts, B.R., & Fernandes, M.A. (invited resubmission) Task preparation as a mnemonic: The benefits of drawing (and not drawing). *Psychonomic Bulletin and Review*. (PBR-BR-17-277)
4. Yeung, R.C., & Fernandes, M.A. (submitted March 5<sup>th</sup> 2018) Social anxiety enhances recognition of task-irrelevant threat words. *Acta Psychologica*, (ACTPSY\_2018\_132).
5. Roberts, B. R., Wammes, J. D., & Fernandes, M. A. (submitted December 2017). Drawing with your eyes: Extending mnemonic research. *Yale Review of Undergraduate Research in Psychology*

### Technical Reports:

1. **Fernandes, M. A.,** Wammes, J. D., Sklair, N., & Francis, T. J. (2006, revised 2007, 2008, 2010, 2015, 2017). *Building Computer-based Methods into Research in Memory: a Laboratory Manual*. University of Waterloo Coursewares (Lab manual for Psychology 398 – Research Methods in Memory)

## SCHOLARLY PRESENTATIONS

### Invited Colloquia, Symposium, and Workshops:

1. **Fernandes, M.A.** (March 2018). Understanding the landscape for women in science: creating opportunities and strategies for success, Invited Keynote Address. *Current Research in Engineering & Science Technology, McMaster University, Hamilton, ON*
2. **Fernandes, M.A.** (March 2018). The surprising and powerful influence of drawing on memory. Invited Colloquium, Department of Psychology, *McMaster University, Hamilton, ON*
3. **Fernandes, M.A.** (March 2018). Understanding the influence of drawing on memory. Invited Guest Seminar, Department of Kinesiology, *University of Waterloo, Waterloo, ON*
4. **Fernandes, M.A.** (September 2017). What happens to our memories as we age? Invited Address for *Third Age Learning Society Burlington, ON*
5. **Fernandes, M.A.** (June, 2017). Views from a woman in cognitive science. Panel discussant as recipient of the Woman in Cognitive Science Mentorship award, at *Canadian Society for Brain Behaviour and Cognition Sciences (CSBBCS), Regina, Saskatchewan*
6. **Fernandes, M.A.** (May, 2016). What Factors Affect our Memories as We Age? Examining the Brain-Behaviour Relationship. Invited Colloquia. *Ryerson University, Aging Research Group Exchange, Toronto, ON*
7. **Fernandes, M.A.** (April 2016). Memory and Aging. Invited Address for ‘The Aging Dialogues’, *The Museum, Kitchener, ON*
8. **Fernandes, M.A.** (March 2016). How does your brain influence your behaviour? *Waterloo Unlimited – Youth outreach, Waterloo, ON*
9. **Fernandes, M.A.** (March 2016). What happens to our memories as we age? Invited Address for *Third Age Learning Society Owen Sound, ON*
10. **Fernandes, M.A.** (October 2015). What happens to our brains as we age? Invited Address for *Third Age Learning Society Guelph Chapter, Guelph, ON*
11. **Fernandes, M.A.** (October 2015). What happens to our memories as we age? Examining the brain-behaviour relationship. Invited speaker at the *Network for Aging Symposium, Waterloo, ON*

12. **Fernandes, M.A.** (September 2015). Using study context to enhance episodic memory (and influence brain networks recruited during retrieval). Invited Talk. *Université de Bordeaux*, Bordeaux, France.
13. **Fernandes, M.A.** (June 2015). What can interference effects tell us about episodic memory? Invited speaker, *Morris Moscovitch Festschrift*, University of Toronto, Toronto, ON
14. **Fernandes, M.A.** (September 2014). Factors affecting the cognitive behavioral and neural basis of memory. *York University Neuropsychology Rounds* Invited Talk, Toronto, Canada
15. **Fernandes, M.A.** (February 2014). What happens to our memories as we age? Examining the brain-behaviour relationship. Invited Address for *Third Age Learning Society Kitchener-Waterloo Chapter*, Waterloo, ON
16. **Fernandes, M.A.**, Greenwood, C., & Perlman, C. (May 2013). Grant writing. Invited mentor talk, *Canadian Institute of Health Research (CIHR) Summer Program in Aging*, Toronto, ON
17. **Fernandes, M.A.**, Soncin, S., Robertson, A.D., Tyas, S.L., Roy, E., Heckman, G.A.W., & Hughson, R. L. (April 2013) Impact of cardiovascular health and depressive symptoms on cognitive ability in healthy aging. Invited talk given at *International conference on Aging & Cognition: Leibniz Research Centre for Working Environment and Human Factor*, Dortmund, Germany
18. **Fernandes, M.A.** (June, 2012). How context at encoding can boost recollection during retrieval. *Canadian Society for Brain, Behaviour and Cognitive Science*, Kingston, ON
19. **Fernandes, M.A.** (April, 2011). Memory changes in younger and older adults. *Hong Kong University, Department of Psychology* colloquium series, Pokfulam, Hong Kong
20. **Fernandes, M.A.** (January, 2011). The influence of context on memory. *Wilfrid Laurier University*, Cognitive Neuroscience colloquium, Waterloo, ON, Canada
21. **Fernandes, M.A.** (January, 2011). The influence of background context on memory in younger and older adults. Talk given at the *Rotman Research Institute Rounds, Baycrest Centre for Geriatric Care*, Toronto, ON, Canada
22. **Fernandes, M.A.** (October 2010). Effects of background context on memory in younger and older adults. Talk given at *International conference on Aging & Cognition: Leibniz Research Centre for Working Environment and Human Factor*, Dortmund, Germany
23. **Fernandes, M.A.** (April 2010). Memory and Aging Studies. *Rockway Menonite Seminar Series*. Kitchener, ON
24. **Fernandes, M.A.** (March 2010). Design of the human brain. *Waterloo Unlimited – Youth outreach*, Waterloo, ON
25. **Fernandes, M.A.** (November 2009). Factors influencing memory encoding and retrieval. *Centre de Recherche Institut Universitaire de Gériatrie de Montréal*, Montreal, QC
26. **Fernandes, M.A.** (October, 2009). The human brain and its functions. *Waterloo District Catholic School Board, Enrichment Program*, Waterloo, ON
27. **Fernandes, M.A.** (February 2009). Reactivating the contents of memory. *Lake Ontario Visionary Establishment (LOVE) Conference*, Niagara Falls, ON.
28. **Fernandes, M.A.** (March, 2009). Design of the human brain. Large and Small Group Workshops for *Waterloo Unlimited*, Waterloo, ON
29. Hughson, R., **Fernandes, M.A.**, Roy, E., & Tyas, S. (February 2008). Linking cardiovascular changes with aging to cognitive and motor performance. *Division of Geriatric Medicine Divisional Rounds, McMaster University*, Hamilton ON
30. **Fernandes, M.A.** (December, 2007). The positivity bias and effect of context in younger and older adults. Colloquium series talk given at *Ebbinghaus Empire meeting, University of Toronto*, Toronto, ON
31. **Fernandes, M.A.** (October 2007). Cognitive and neural basis of encoding and retrieval. Colloquium talk given for *Department of Psychology – Neuroscience and applied science series, University of Guelph*, Guelph ON
32. **Fernandes, M.A.** (August 2007). A trip down memory lane: Mapping the processes and neural correlates of encoding and retrieval. *Dept. of Psychology, and Institute of Aging, University of Alberta*, Edmonton, AB
33. **Fernandes, M.A.** (June, 2007). Mapping the processes and neural correlates of encoding and retrieval in younger and older adults. *Canadian Psychological Association – President’s Symposium for recipients of the President’s New Researcher Award*. Ottawa, ON

34. **Fernandes, M.A.** (June, 2007). New methods of studying memory and language. *TENNET 16*, Montreal, QC
35. **Fernandes, M.A.** (September, 2006). fMRI and cognition, *Digital imaging symposium, Waterloo Institute for Health Informatics Research (WIHR), and Faculty of Engineering, University of Waterloo*, Waterloo, ON
36. **Fernandes, M.A.** (March, 2006). Mapping processes and neural correlates of memory. *Cognition and Perception Seminar group at University of Toronto at Scarborough*, Toronto, ON
37. **Fernandes, M.A.** (March, 2006). What can we learn about memory from studies of divided attention? *Artificial Intelligence group, University of Waterloo, Waterloo*, ON
38. **Fernandes, M.A.** (September, 2005). What can we learn about memory from studies of divided attention? Talk given at the *Rotman Research Institute Rounds, Baycrest Centre for Geriatric Care*, Toronto, ON
39. **Fernandes, M.A.** (February 2002). Interfering with memory: Examining the effects of divided attention on retrieval. Talk given at the *Rotman Research Institute Rounds, Baycrest Centre for Geriatric Care*, Toronto, ON
40. Moscovitch, M., & **Fernandes, M.A.** (1998). Divided attention effects are material-specific at retrieval but not at encoding. Invited symposium talk for the 39<sup>th</sup> annual meeting of the *Psychonomic Society*, Dallas, TX, USA

#### Conference Talks and Posters:

1. Yeung, R., & **Fernandes, M.A.** (2018). Social anxiety enhances recognition of task-irrelevant threat words. Poster presented at the *International Neuropsychological Society Meeting*, Washington, DC, USA
2. Lee, C., Koji, S., & **Fernandes, M.A.** (2017). Familiarity modulates context reinstatement effect for faces. Poster presented at the 58<sup>th</sup> annual meeting of the *Psychonomic Society*, Vancouver, BC
3. Meade, M.E., Meade, J., Sauzeon, H., & **Fernandes, M.A.** (2017). Memory for Routes in Virtual Environments: The Benefit of Active vs. Passive Encoding. Poster presented at the 58<sup>th</sup> annual meeting of the *Psychonomic Society*, Vancouver, BC
4. **Fernandes, M.A.** (2017). Drawing as an Encoding tool. Talk presented at the *Memory Disorders Research Society*, Chicago, IL, USA
5. Lee, C., & **Fernandes, M.A.** (2017). Web of Emotions: Threat-Relevant Contexts Create a Downstream Memory Bias for Individuals with Spider Phobia. Poster presented at the *Association for Psychological Science*, Boston, MA, USA
6. Meade, M.E., Klein, M.D., **Fernandes, M.A.** (2017) Drawing benefits in memory: Too much of a good thing? Talk presented at *Toronto Area Memory Group Meeting*, Toronto, ON; \*Honourable mention for Best Talk of conference
7. Meade, M. E., Wammes, J. D., & **Fernandes, M. A.** (2017). Drawing at encoding: Memory benefits for younger and older adults. Talk presented at *Symposium on Aging Research*, Waterloo, ON
8. Meade, M.E., Klein, M., & **Fernandes, M.A.** (2017). Drawing benefits in memory: Too much of a good thing? Talk presented at *Canadian Society for Brain Behaviour and Cognition Sciences (CSBBCS)*, Regina, Saskatchewan; \* recipient of Hebb Award for Best Talk.
9. Meade, M.E., Wammes, J.D., & **Fernandes, M.A.** (2016). What does doodling do? Evidence for free recall impairments. Poster presented at the 57<sup>th</sup> annual meeting of the *Psychonomic Society*, Boston, MA, USA
10. Costa, S.M., St. John, P.D., **Fernandes, M.A.**, Iraniparast, M., MacKinley, M.L., Fearon, D.O., Tyas, S.L. (2016). Does speaking more than one language contribute to cognitive resilience against Alzheimer's disease? Poster presented at *Canadian Association on Gerontology, 45th Annual Scientific and Educational Meeting*, Montreal, Quebec
11. Meade, M.E., Wammes, J.D., & **Fernandes, M.A.** (2016) Drawing as an encoding tool: Benefits in both younger and older adults. Talk presented at *Canadian Society for Brain Behaviour and Cognition Sciences (CSBBCS)*, Ottawa, Ontario



12. Lee, C. & **Fernandes, M. A.** (2016). Tied to Emotions: Association with an emotional context boosts memory for foils... Poster presented at *Canadian Society for Brain Behaviour and Cognition Sciences (CSBBCS)*, Ottawa, Ontario
13. Wammes, J. D., Meade, M.E. & **Fernandes, M. A.** (2016). Creating a vivid recollection-based memory through drawing. Talk presented at *Canadian Society for Brain Behaviour and Cognition Sciences (CSBBCS)*, Ottawa, Ontario
14. Danckert, S., MacLeod, C.M. **Fernandes, M.A.** (2015). Neural support for source-constrained retrieval. Talk presented at the *Memory Disorders Research Society*, Cambridge University, Cambridge, UK
15. Meade, M.E., & **Fernandes, M.A.** (2015). Interfering with episodic memory for words and pictures: Semantic and visual similarity of dual-tasks. Poster presented at the 56th annual meeting of the *Psychonomic Society*, Chicago, IL, USA
16. Wammes, J. D., & **Fernandes, M. A.** (2015). Enactment protects studied words from long-term dual-task interference. Poster presented at the 56th annual meeting of the *Psychonomic Society*, Chicago, IL, USA
17. Nancekivell, S. E., Delleman, B., **Fernandes, M.A.,** & Friedman, O. (2015). An ownership advantage for associative memory. Poster presented at the *Annual Meeting of Concepts, Actions, and Objects: Functional and Neural Perspectives*. Rovertto, Italy.
18. Morrison, J.M., **Fernandes, M.A.,** Iraniparast, M., Ijaz, M., MacKinley, M.L., Costa, S.M., & Tyas, S.L. (2015). An imbalance of high negative and low positive emotional expressivity captured in a single autobiography is predictive of dementia over half a century later. Poster presented at the *Canadian Society for Epidemiology and Biostatistics*, Mississauga, ON
19. Morrison, J.M., **Fernandes, M.A.,** & Tyas, S.L. (2015). Emotional expressivity in early adulthood as a predictor of dementia in late adulthood. Poster presented at *Baycrest's Rotman Research Institute 25<sup>th</sup> annual conference*, Toronto, ON.
20. Wammes, J.D., Good, T.J., & **Fernandes, M.A.** (2015). The Influence Of Ageing and Mild Traumatic Brain Injury On Episodic and Semantic Memory. Poster presented at *American Psychological Society Meeting*, New York, NY.
21. Wammes, J. D., Meade, M.E. & **Fernandes, M. A.** (2015). The drawing effect: Evidence for reliable and robust memorial benefits. Poster presented at *Canadian Society for Brain Behaviour and Cognition Sciences (CSBBCS)*, Ottawa, Ontario; \* recipient of Hebb Award for Best Poster
22. Meade, M. E., Wammes, J. D., & **Fernandes, M. A.** (2015) Does drawing pictures benefit memory in older adults? Poster presented at *Canadian Society for Brain Behaviour and Cognition Sciences (CSBBCS)*, Ottawa, Ontario;
23. **Fernandes, M.A.,** Khan, N., Fugelsang, J., & Skinner, E.I. (2015). Uncovering a network of brain activity supporting content-rich memories. Oral presentation given at the 12th Annual *World Congress of Society for Brain Mapping and Therapeutics*, Los Angeles, CA, USA
24. Wammes, J. D., Meade, M. E., & **Fernandes, M.A.,** (2014). Drawing Boosts Memory for Words: Specifying the Source of the Effect. Poster presented at the 55th annual meeting of the *Psychonomic Society*, Long Beach, CA, USA
25. **Fernandes, M.A.** (2014). Can encoding context boost memory? Evidence from fMRI and studies of aging. Talk presented at the *Memory Disorders Research Society*, Austin, Texas, USA
26. Meade, M., & **Fernandes, M.A.** (2014) Interfering with episodic memory for words: Does semantically related information help or hinder? Poster presented at *Canadian Society for Brain Behaviour and Cognitive Sciences (CSBBCS)*, Toronto, ON \* nominated for Hebb Award for Best Poster
27. Wammes, J.D., Meade, M., **Fernandes, M.A.** (2014) The drawing effect: Memory is better for drawn words than for written. Poster presented at *Canadian Society for Brain Behaviour and Cognitive Sciences (CSBBCS)*, Toronto, ON

28. **Fernandes, M.A.**, Skinner, E.I., Manios, M., & Fugelsang, J. (2013). Study Context Influences Brain Regions Recruited During Retrieval. Paper presented at the 54<sup>th</sup> annual meeting of the *Psychonomic Society*, Toronto, ON
29. Wammes, J., & **Fernandes, M.A.**, (2013). Interfering With Memory for Faces: The Cost of Doing Two Things at Once. Poster presented at the 54<sup>th</sup> annual meeting of the *Psychonomic Society*, Toronto, ON
30. Delleman, B., & **Fernandes, M.A.**, (2013). The influence of anxiety on recognition and memory confidence. Poster presented at *Canadian Society for Brain, Behaviour and Cognitive Science*, Calgary, AB
31. Wammes, J., **Fernandes, M.A.**, & Hsiao, J. (2013). Language experience shapes cognition: Comparing memory for Chinese and English words. Poster presented at *Canadian Society for Brain, Behaviour and Cognitive Science*, Calgary, AB \* recipient of Hebb Award Honourable Mention
32. Ahmad, F., Hockley, W. & **Fernandes, M.A.** (2013). The Differential Role of Familiarity in Yes-No and Forced-Choice Recognition. Poster presented at *Canadian Society for Brain, Behaviour and Cognitive Science*, Calgary, AB
33. Robertson, A.D., **Fernandes, M.A.**, Tyas, S.L., Roy, E.A., Heckman, G.A., Hughson, R.L. (2013). Cardiovascular frailty is associated with impaired psychomotor speed. Poster presented at *6th International Society of Vascular, Cognitive and Behavioural Disorders Congress*, Toronto, ON
34. Tomaczyck, J. & **Fernandes, M.A.** (2013). Age-related differences in attentional bias for emotional faces. Poster presented at *American Psychological Society*, Washington, DC
35. Ahmad, F., **Fernandes, M.A.**, & Hockley, W. (2013). The effects of schematic support and unitization on the associative deficit in older adults. Poster presented at *Cognitive Neuroscience Society*, San Francisco, CA, USA
36. Koji, S., & **Fernandes, M.A.** (2012). Examining the Role of Face Familiarity in Context Effects on Face Memory. Talk given at *Canadian Society for Brain, Behaviour and Cognitive Science*, Kingston, ON
37. Ozen, L., **Fernandes, M.A.**, & Itier, R. (2012). Long-term cognitive consequences of concussion: Electrophysiological evidence. Poster presented at *Canadian Society for Brain, Behaviour and Cognitive Science*, Kingston, ON
38. **Fernandes, M.A.**, Robertson, A.D., Tyas, S.L., Roy, E.A., Heckman, G.A.W., Hughson, R.L. (2012). Non-invasive measure of blood flow to the brain is associated with poorer strategic retrieval and output monitoring in healthy older adults. Poster presented at *Cognitive Neuroscience Society*, Chicago, IL, USA
39. **Fernandes, M.A.** (2011). The Influence of Background Context on Memory in Older Adults. *Journal of Psychophysiology, Vol 25(Suppl 1)*, 11.
40. **Fernandes, M.A.**, & Manios, M. (2011). The influence of background context on memory in younger and older adults. Poster presented at the *Gerontology Society of America*, Boston, MA
41. Tomaczyck, J. & **Fernandes, M.A.** (2011). Aging-Related Differences in Memorability Judgments of Emotional Scenes. Talk given at the *Canadian Society for Brain, Behaviour and Cognitive Science*, Winnipeg, MB
42. Robertson, A., **Fernandes, M.A.**, Tyas, S.L., Roy, E.A., Heckman, G.A.W., Hughson, R.L. (2011). Impaired cerebrovascular reactivity is associated with impairment of select executive function traits in the healthy elderly. Poster presented at *Vas-Cog: International Society of Vascular Behavioural and Cognitive Disorders* Lille, France
43. Clark, A., Ozen, L., **Fernandes, M.A.**, & Roy, E. (2011). Preventing Slips of Action: Evidence from Younger and Older Adults with Mild Traumatic Brain Injury. Poster presented at the *American Congress of Rehabilitative Medicine*, Atlanta, Georgia, USA

44. Kelly, H., **Fernandes, M.A.** (2011). Effect of Encoding Context on Word Recognition in Younger and Older Adults. Poster presented at *International Neuropsychological Society meeting*, Boston, MA, USA
45. Kelly, H., & **Fernandes, M.A.** (2010). Does the level of processing of background context help memory. Poster presented at the 20th annual *Canadian Society for Brain, Behaviour and Cognitive Science* meeting, Halifax, NS
46. Tomaszczyk, J., & **Fernandes, M.A.** (2010). Evidence for a positivity bias in episodic but not semantic memory. Poster presented at *Cognitive Aging* conference, Atlanta, Georgia, USA
47. Tomaszczyk, J., & **Fernandes, M.A.** (2010). A positivity bias in older adults' attention to scenes? Poster presented at *Cognitive Neuroscience Society*, Montreal, QC
48. Koji, S., & **Fernandes, M.A.** (2010). Right Hemisphere Advantage in Memory for Faces Presented in Emotional but not Neutral Scenes. Poster presented at *Cognitive Neuroscience Society*, Montreal, QC
49. Ozen, L.J., Clark, A.J., Roy, E.A., & **Fernandes, M.A.** (2010). Persistent Attention and Memory Impairments in Young Adults with a Mild Head Injury. Poster presented at *International Neuropsychological Society*, Acapulco, Mexico
50. Danckert, S., MacLeod, C.M., & **Fernandes, M.A.**, (2009). Source-constrained retrieval influences new encoding. Oral presentation at the 50th annual meeting of the *Psychonomic Society*, Boston, MA, USA
51. Clark, A., Ozen, L.J., Roy, E., & **Fernandes, M.A.** (2009). Detecting subtle persistent memory and attention deficits in high functioning young adults with mild traumatic brain injury. Oral presentation at the *Canadian Society for Psychomotor Learning and Sport Psychology*, Toronto, ON
52. Koji, S. & **Fernandes, M.A.** (2009). Changing the spotlight of attention: The influence of emotion on visual attention. Poster presented at the joint *Experimental Psychology Society and Canadian Society for Brain, Behaviour and Cognitive Science* meeting, York, United Kingdom
53. **Fernandes, M.A.** & Skinner, E. (2009). Recollection and Familiarity: A meta-analysis of neuroimaging and patient data. Poster presented at the *Issues in fMRI workshop*, Dept. of Psychology and Philosophy. University of Guelph, Guelph, ON
54. Skinner, E., & **Fernandes, M.A.** (2009). Recollection benefits and the reactivation of sensory-specific brain regions during the retrieval of context information. Poster presented at *Cognitive Neuroscience Society* annual meeting. San Francisco, CA, USA
55. Danckert, S., **Fernandes, M.A.**, & MacLeod, C.M. (2009) Effects of retrieval on encoding foils. Poster presented at *Cognitive Neuroscience Society* annual meeting. San Francisco, CA, USA
56. Ozen, L., Skinner, E.I., & **Fernandes, M.A.** (2009). Susceptibility to misleading information: similarities between healthy older adults and young adults with traumatic brain injury. Brief Report and Poster presented at the *19<sup>th</sup> Annual Rotman Research Institute Conference: Cognitive Aging*, Toronto, ON
57. Robertson, A.D., **Fernandes, M.A.**, Roy, E.A., Tyas, S.L., Sharratt, M.T., & Hughson, R.L. (2008). Vascular aging is associated with reduced brain blood flow and poorer performance on tests of executive function. Poster presented at the *Canadian Association of Gerontology*. London, ON
58. Skinner, E., & **Fernandes, M.A.** (2008). Recollection and susceptibility to misleading information following a mild head injury. Poster presented at *TENNET 16*, Waterloo, ON
59. Guild, E., & **Fernandes, M.A.** (2008). Process-specific interference effects during recognition of spatial patterns and words. Paper presented at 18<sup>th</sup> annual *Canadian Society for Brain, Behaviour and Cognitive Science* meeting, London, ON
60. Skinner, E., & **Fernandes, M.A.** (2008). Age differences in recollection depend on type of context, and the processing of item-context relationships, at study. Poster presented at 18<sup>th</sup> annual *Canadian Society for Brain, Behaviour and Cognitive Science* meeting, London, ON
61. Koji, S. & **Fernandes, M.A.** (2008). Memory for faces in emotional contexts. Poster presented at 18<sup>th</sup> annual *Canadian Society for Brain, Behaviour and Cognitive Science* meeting, London, ON.
62. **Fernandes, M.A.**, & Koji, S. (2008) How emotional context changes our evaluation of faces. Poster presented at the *Cognitive Aging Conference*, Atlanta, GA, USA
63. Tomaszczyk, J., & **Fernandes, M.A.** (2008). Detection of rapidly presented negative (but not positive) pictures is impaired in older adults. Poster presented at the *Cognitive Aging Conference*,

- Atlanta, GA
64. **Fernandes, M.A.**, Ross, M., Schryer, E., & Wiegand, M. (2008). Evidence of a positivity bias in false memories of older adults. Poster presented at the *Cognitive Aging Conference*, Atlanta, GA, USA
  65. Skinner, E., & **Fernandes, M.A.** (2008). Age differences in recollection depend on the type of context at encoding. Poster presented at the *Cognitive Aging Conference*, Atlanta, GA, USA
  66. Tomaszczyk, J. C., & **Fernandes, M.A.** (2007). Attention (but not instruction) affects the positivity bias in memory for emotional pictures in older adults. Poster presented at *Cognitive Neuroscience Society* annual meeting, New York, New York, USA
  67. **Fernandes, M.A.**, & Koji, S. (2007). Influence of emotional context on evaluation and memorability of faces. Oral presentation at the *Joint meeting of the Psychonomic Society, and Experimental Psychology Society*, Edinburgh, Scotland
  68. Skinner, E., **Fernandes, M.A.**, Grady, C. (2007). Memory networks used to support retrieval under conditions of full and divided attention. Poster presented at *Cognitive Neuroscience Society* annual meeting, New York, New York, USA
  69. Schryer, E., Ross, M., **Fernandes, M.A.**, & Wiegand, M. (2007). Aging and the positivity bias: Age-related differences of recall of valenced autobiographical memories. Poster presented at *Society for Personality and Social Psychology*, Memphis, Tennessee, USA
  70. Carter, K., & **Fernandes, M.A.** (2006). Conditions influencing traditional ear-advantage scores obtained on dichotic-listening tasks. Poster presented at *TENNET 15*, Montreal, QC
  71. **Fernandes, M.A.** (2006). Building computer-based laboratory practices into psychology research method courses. Poster presented at 6<sup>th</sup> annual *MERLOT International Teaching Conference*, Ottawa, ON
  72. **Fernandes, M.A.**, Pacurar, A., Moscovitch, M., & Grady, C. (2006). Neural correlates of auditory recognition under full and divided attention in young and old adults. Poster presented at *Cognitive Aging Conference*, Atlanta, GA, USA
  73. **Fernandes, M.A.**, Francis, T.J., Ryan, J. & Bialystok, E. (2006). Aging and the processing of global and local visual stimuli. Oral presentation at the 16<sup>th</sup> annual *Canadian Society for Brain, Behaviour and Cognitive Science* meeting, Saskatoon, Saskatchewan
  74. Skinner, E., **Fernandes, M.A.** (2006). General and Material-Specific Interference Effects of Divided Attention on Recognition Memory in Younger and Older Adults. Oral presentation at the 47<sup>th</sup> annual meeting of the *Psychonomic Society*, Houston, TX, USA
  75. Andres, A. & **Fernandes, M.A.** (2005). The effect of conscious and unconscious presentation duration in a global-local task on facilitation and interference. Poster presented at the 46<sup>th</sup> annual meeting of the *Psychonomic Society*, Toronto, ON
  76. **Fernandes, M.A.**, Bialystok, E., & Craik, F.I.M. (2004). Memory under divided attention: Effects of semantic relatedness, bilingualism, and aging. Poster presented at the 45<sup>th</sup> annual meeting of the *Psychonomic Society*, Minneapolis, MN, USA
  77. **Fernandes, M.A.**, Logan, J., Bialystok, E., & Craik, F.I.M. (2004). The effect of bilingualism on susceptibility to memory interference from divided attention. Poster presented at the *TENNET 13*, Montreal, QC
  78. **Fernandes, M.A.** & Grady, C. (2003). Effect of divided attention on recall of categorizeable and unrelated words in young and old adults. Poster presented at the *Banff Annual Seminar in Cognitive Science*, Banff, AB
  79. Moscovitch, M. & **Fernandes, M.A.** (2003). Aging, attention, and memory – I: A cognitive neuroscience approach. Paper presented at *American Psychological Association*, 111<sup>th</sup> Annual Convention, Toronto, ON
  80. **Fernandes, M.A.**, & Grady, C. (2003). Effect of divided attention on recall of related and unrelated words in young and old adults. Poster presented at the 44<sup>th</sup> annual meeting of the *Psychonomic Society*, Vancouver, BC
  81. **Fernandes, M.A.**, Davidson, P., Glisky, E., & Moscovitch, M. (2002). Contribution of frontal and temporal lobes to divided attention effects at retrieval. Poster presented at the *International Neuropsychological Society* meeting, Toronto, ON

82. **Fernandes, M.A.**, Moscovitch, M., Davidson, P., & Glisky, E. (2002). Effects of divided attention at retrieval in young and old adults: Competition for resources or representations? Poster presented at the *Cognitive Neuroscience Society* annual meeting, San Francisco, California.
83. **Fernandes, M.A.**, McAndrews, M.-P., Logan, W., Smith, M.L., Crawley, A., & Mikulus, D. (2000). Determining language lateralization in children: Comparison of fMRI and dichotic listening. Poster presented at the *TENNET 9*, Montreal, QC
84. **Fernandes, M.A.**, & Smith, M.L.. (1999). Controlling for stimulus dominance effects in the Fused Dichotic Words test when predicting speech lateralization in children. Poster presented at the *TENNET 8*, Montreal, QC
85. Moscovitch, M., & **Fernandes, M.A.** (1999). Specifying the locus of divided attention effects at retrieval. Poster presented at the 40<sup>th</sup> annual meeting of the *Psychonomic Society*, Los Angeles, CA, USA
86. Pavlovic, J., **Fernandes, M.A.**, Gibson, N., & Bulman-Fleming, B. (1997). A spontaneous mutation affecting the growth, brain and behaviour of BALB mice. Poster presented at the *Society for Neuroscience*, New-Orleans, LA, USA
87. **Fernandes, M.A.**, & Moscovitch, M. (1998). Interference at encoding and retrieval using word versus number based monitoring tasks. Paper presented at the 16<sup>th</sup> annual *Brain, Behaviour and Cognitive Science* meeting, Ottawa, ON

## SERVICE

### Professional

- 2018-present Editorial Board for *Canadian Journal of Experimental Psychology* (APA journal)  
 2017-present named Head Organisor for the Canadian Society for Brain Behaviour and Cognitive Sciences 2019 conference
- 2014-present Associate Editor *Memory & Cognition* (Psychonomic Society journal)  
 2011- present Editorial Board for *J of Exp Psychology: Learning, Memory & Cognition* (APA journal)  
 2010- present Editorial Board for *Psychology & Aging* (APA journal)  
 2011- present Editorial Board for *Journal of Gerontology: Psychological Sciences* (Oxford journal)  
 2016 Southern Ontario Neuroscience Society conference co-organisor  
 2013-2015 Associate Editor *Journal of Gerontology: Psychological Sciences* (Oxford journal)  
 ongoing Ad-hoc Peer Reviewer of scientific papers (4-8 per year) for various International journals: *American J of Psychol, Acta Psychologica, Brain, Brain & Cognition, Brain & Language, CABN, Cerebral Cortex, Cognitive Psychology, Human Brain mapping, Emotion, J of Exp Psych: General, Journal of Neuroscience, Journal of Neurolinguistics, Memory, Memory & Cognition, NeuroImage, Neuropsychologia, Psychological Science, Psych Bulletin & Review, Canadian JEP, and many others.*

### International

- 2017 External reviewer *Icelandic Research Fund* grant  
 2016 External reviewer *Israel Science Foundation* grant  
 2011 External reviewer for *National Science Foundation, USA* grants  
 2009 Poster and Presentation Award judge at *CSBBCS/EPS* meeting, York, United Kingdom  
 2007 External reviewer *Scottish Rite Foundation* grants

### National

- 2018 *CIHR* Grant review Committee, Biological and Clinical Aspects of Aging, Ottawa, ON  
 2016-2019 *NSERC* Discovery grants Panel Member, Ottawa, ON  
 2015-2016 *Southern Ontario Neuroscience Society* conference co-organisor  
 2015 External reviewer of 1 *SSHRC* research operating grant  
 2013 Chair *NSERC* Scholarships & Fellowships National Committee – Life Sciences panel  
 2013 Appointed Mentor at *CIHR's Summer Institute of Aging*, Toronto, ON  
 2013 Poster and Presentation Award judge at *Southern Ontario Neuroscience Association* annual meeting, Waterloo, ON

2011- 2013 Ontario Early Researcher Award Review Panel: *Ministry of Research & Innovation*  
 2011- 2012 *NSERC* Scholarships Selection Committee: Psychology Selection Committee #196  
 2011- 2012 Grants & Fellowships Review Panel Board member – *Alzheimer Society of Canada*  
 2012 Poster and Presentation Award judge at *Canadian Society for Brain and Behavioural Sciences (CSBBCS)* annual meeting, Kingston, ON  
 2012 Symposium organizer “Recollection and Familiarity Memory” at *CSBBCS* annual meeting, Kingston, ON  
 2006-2012 External reviewer for *NSERC Discovery grants* (1 in 2012, 1 in 2011, 3 in 2010, 2 in 2009, 3 in 2008, 1 in 2007, 1 in 2006)  
 2010 External reviewer for *Canadian Foundation for Innovation grants*  
 2010 Graduate Conference co-organizer “*Southern Ontario Neuropsychology Group*”, Ryerson University, Toronto, ON  
 2008-2009 Chair for Scholarships Panel *Ontario Graduate Scholarship*  
 2008 Graduate Conference Organizer “*Southern Ontario Neuropsychology Group*”  
 2007 Symposium organizer “*Advances in Research in Memory and Language*”, for *TENNET International conference* June 2007, Montreal, Quebec  
 2006-2008 Review Panel member *Ontario Graduate Scholarships*  
 2004-2007 Theoretical and Experimental Neuropsychology (TENNET) Conference Committee

### University

2017 Directions in Leadership roundtable meeting with *UWaterloo* President, September 2017  
 2017 University of Waterloo’s *Network for Aging Symposium* invited mentor May 2017  
 2017 *Waterloo Unlimited* Youth Outreach discussant with high school attendees, May 2017  
 2017 *Academic Leadership Framework* Roundtable January 2017  
 2016 Mentor and Panel Discussant ‘So you want to be an academic?’  
*School of Graduate Studies, University of Waterloo*  
 2015-2016 Steering Committee *Network for Aging Research*  
 2015 ‘*He for She*’ Round Table Discussant  
 2014 Co-Organisor with Dr. Igor Grossman of “*Successful Aging Speaker Series*”  
 2005-present Creator and Co-Director of the *Waterloo Research in Aging Participant (WRAP) Pool*  

- the “Waterloo Research in Aging Participant Pool” is a database of senior citizens recruited from the outside community for students and faculty at University of Waterloo to access for participation in research studies. Posters, ads, TV segments, and radio spot are currently in place in the Kitchener-Waterloo community to recruit seniors.

### Faculty

2012-2014 Co-op Advisory Board – Faculty of Arts  
 2012 Arts Task Force – Faculty of Arts Strategic Planning  
 2011; 2013 Arts Orientation Volunteer

### Department

2016 Organisor of *Workshop on Teaching Tips* –Department of Psychology  
 2016 Assigned Mentor for junior faculty Department of Psychology  
 2015-present Department Tenure and Promotion Committee  
 2015 Professional Issues panel member Faculty of Arts  
 2012-2014 Associate Chair Undergraduate Studies Psychology  
 2011 Administrative Officer Hiring Committee  
 2011 Organiser Cognitive Neuroscience Holiday party  
 2010-2011 Committee for New Participant Reimbursement Procedure  
 2008; 2011 Guest speaker Host  
 2008-2010 Executive Committee Representative

**Community**

- *Hillfield Strathallen College* Leadership Toolkit Invited Speaker for Senior High School, March 2017
- *Hillfield Strathallen College* Life Sciences invited speaker for Senior High School, December 2016
- *CBC online news*; interview on memory, emotion & courtroom testimonies February 5<sup>th</sup> 2016
- Youth Outreach for *Waterloo Unlimited*. Public Speaker and Workshop organizer (2016, 2014, 2013, 2012, 2011, 2010, 2009)
- *CBC Quirks & Quarks with Bob McDonald* ; chosen as a panel expert to answer science questions from the community; appeared in live show at Perimeter Institute (June 2015), radio show aired numerous times on CBC Radio
- “Brain Day Expert Speaker” for *Waterloo Catholic Dist. School Board* Grade 7/8 enrichment program (May 2015)
- Enrichment program for Grade 7/8 *Waterloo Catholic District School Board*. Public Speaker (2010; 2011; 2014)
- Featured News article on my research in Aging & Memory; Researcher Profile in *The Goan Voice*, June 1<sup>st</sup>, 2013
- *UW Magazine* (Fall 2009). Interview and feature in ‘On the move: Aging Research at Waterloo’
- Interview with *Country Guide* magazine (January 9<sup>th</sup> 2009): *Maintaining & enhancing mental skills*
- “Expert consultant” for *Waterloo District School Board* Grade 5 enrichment program (2009)
- Radio interview with *CKWR* (January 18<sup>th</sup>, 2008): *Research studies in aging*.
- *Kitchener-Waterloo Record – Research file* article on *Positivity Bias in Aging* (2008)
- Paintin’ Place Cooperative Daycare volunteer 2004-2006 (affiliated with University of Waterloo)

**TEACHING****Undergraduate Courses:**

<i>Course</i>	<i>Term</i>	<i>Year</i>
PSYCH 461 Cognitive Neuroscience of Memory	Fall	2017
PSYCH 398 Research Methods in Memory	Spring	2017
PSYCH 461 Cognitive Neuroscience of Memory	Fall	2016
PSYCH 398 Research Methods in Memory	Winter	2016
PSYCH 461 Cognitive Neuroscience of Memory	Fall	2015
PSYCH 499 Honours Thesis Coordinator	Winter and Spring	2013
PSYCH 499 Honours Thesis Coordinator	Fall	2012
PSYCH 398 Research Methods in Memory	Spring	2012
PSYCH 461 Cognitive Neuroscience	Fall	2011
PSYCH 461 Classic cases in Neuropsychology	Fall	2010
PSYCH 398 Research Methods in Memory	Spring	2010
PSYCH 461 Classic cases in Neuropsychology	Winter	2010
PSYCH 398 Research Methods in Memory	Spring	2009
PSYCH 261 Introduction to Physiological Psychology	Fall	2008
PSYCH 398 Research Methods in Memory	Winter	2008
PSYCH 398 Research Methods in Memory	Winter	2007
PSYCH 261 Introduction to Physiological Psychology	Fall	2006
PSYCH 398 Research Methods in Memory	Winter	2006

PSYCH 461 Cognitive Neuroscience	Fall	2005
PSYCH 207 Introduction to Cognition	Spring	2005
PSYCH 398 Research Methods in Memory	Winter	2005

**Other Course:**

Cognitive Aging	Winter	2017
<i>Laurier University, Lifelong Learning Association (co-taught with my graduate student Melissa Meade)</i>		

**Graduate Courses:**

<i>Course</i>	<i>Term</i>	<i>Year</i>
Psych 781 – Cognitive Neuroscience of Memory	Fall	2016
PSYCH 781 Cognitive Neuroscience of Memory	Spring	2014
PSYCH 677A Fundamentals of Neuroscience	Fall	2011
PSYCH 790 Case Studies in Neuropsychology	Fall	2010
PSYCH 781 Cog Neuro of Memory & Aging	Winter	2010
PSYCH 790 Case Studies in Neuropsychology	Spring	2009
PSYCH 781 Cog Neuro of Memory & Aging	Winter	2006

*Guest Lectures*

<i>Course</i>	<i>Term</i>	<i>Year</i>
PSYCH 677A Fundamentals of Neuroscience	Fall	2005; 2008; 2009 2013; 2015; 2017

**Graduate Supervisor of Completed Ph.D. Thesis:**

<u>Year</u>	<u>Student Name</u>	<u>Thesis Title</u>
2017	Jeffrey Wammes	On the mnemonic benefits of drawing
2013	Shahnaz Koji	Remembering faces in different places: influence of context on face memory
2012	Lana Ozen	Investigation of long-term changes after mild head injury using novel and sensitive measures
2012	Jennifer Tomaszczyk	Mechanisms of the aging-related positivity effect in memory and attention
2011	Stacey Danckert (co-supervised with Dr. MacLeod)	The interaction between retrieval and encoding processes in memory
2009	Erin Skinner	The influence of study context on recollection: Cognitive, neural, and age-related processes

**Graduate Supervisor of Completed Master's Thesis:**

<u>Year</u>	<u>Student Name</u>	<u>Thesis Title</u>
2017	Christopher Lee	Negative Encoding Contexts Create a Downstream Memory Advantage for Foils



2015	Melissa Meade	Interfering with episodic memory for words and pictures to uncover their representational codes
2014	Bethany Delleman	The Effect of Anxiety on Memory Accuracy, Response Time, and Confidence
2014	Jeffrey Wammes	Interfering With Memory Retrieval: The Cost of Doing Two Things at Once
2011	Harm Kelly	How processing of background context can help memory for target words in younger and older adults
2008	Shahnaz Koji	Emotional context effects on memory & attention
2007	Jennifer Tomaszczyk	Positivity bias in aging
2006	Erin Skinner	Age-related changes in memory
2005	Tracee Joy Francis	Memory in bilinguals

### On-going Graduate Supervision

**Supervisor** of Ph.D. Thesis:

<u>Year</u>	<u>Student Name</u>
2015- present	Melissa Meade
2017-present	Christopher Lee

**Supervisor** of Master's Thesis:

<u>Year</u>	<u>Student Name</u>
2017-present	Brady Roberts
2016-present	Ryan Yeung
2017	Astrid Aernoudts (Research Internship for 4 months from Leiden University, Netherlands)

### Undergraduate Supervision: Honours Thesis

<u>Year</u>	<u>Student Name</u>	<u>Topic/Thesis Title</u>
2017-2018	Victoria Garner	Paired-associate memory in older adults

2016	Brady Roberts (Department Award)	Drawing with your eyes: Extending Mnemonics
2016	Harpreet Grewal	Memory for maps: The influence of gender and age
2015-2016	Grace Lim	Role of encoding context in protecting memories from negative effects of divided attention
2015-2016	Graham Schwoob	Effect of doodling or drawing at encoding
2015-2016	Alex Moniz	Survey of research priorities and needs by an aging population
2013-2014	Tyler Good (Department Award)	Remote mild traumatic brain injury and normal age-related changes in memory
2013-2014	Robin Leung (Undergraduate Conference Award)	Can Age-Related Differences in Face-Name Memory be alleviated?
2012-2013	Bri Groot (Department Award)	Investigating an attentional locus for deficits in destination memory in older adults
2011-2012	Niron Khan	Context-Specific brain networks reactivated during retrieval
2011-2012	Bethany Delleman (Department Award)	Effect of anxiety on memory & confidence
2011-2012	Leah Henderson, Alison Maksymchak & Yayah Remtulla (System Design Engineering)	Developing a language learning software
2010	Jessica Wuergler (Department Award)	Memory for face-name associations
2008-2009	Ethan Miller	Techniques to aid memory in the real world
2007-2008	Annalisa Minniti	Context effects on perception & memory using virtual reality
2006-2007	Shahnaz Koji (Department Award)	Effect of emotion on perception and memory for faces
2006-2007	Emma Guild (Department Award)	Interfering with visuo-spatial representation during memory retrieval
2006-2007	Stephanie Waechter	Speech and other sounds: the Effects of non-linguistic competition in dichotic listening
2005-2006	Rachel Hepburn	Contents of autobiographical memories in younger and

2004-2005	Karen Carter	older adults The Influence of verbal and nonverbal competing stimuli on ear advantage scores
2004-2005	Allison Andres	Effect of presentation duration in a Global-Local task

### Awards Won by Past Undergraduate Students from my Laboratory:

2017	Brady Roberts	Honours Thesis Award; NSERC undergraduate award
2016	Sarah Gibbon	NSERC undergraduate award
2015	Hajer Homedawy	NSERC undergraduate award
2014	Tyler Good	Honours Thesis Award; CPA Award of Excellence
2014	Liat Kofler	NSERC undergraduate award
2014	Robin Leung	Univ Nippising Undergraduate Conference Award
2013	Brianna Groot	Honours Thesis Award; CPA Award of Excellence
2013	Irene Chhay	NSERC undergraduate award
2012	Bethany Delleman	Honours Thesis Award; CPA Award of Excellence
2012	Stephen Soncin	NSERC undergraduate award
2010	Jessica Wuergler	Honours Thesis Award; CPA Award of Excellence
2009	Emma Guild	NSERC PGS-Doctoral award
2009	Amanda Tkaczyk	NSERC undergraduate award
2008	Kuang Da Zhu	NSERC undergraduate award
2008	Catherine Arruda	NSERC undergraduate award
2007	Shahnaz Koji	NSERC PGS-Masters; PGS-Doctoral; Hon Thesis Award
2007	Emma Guild	NSERC undergraduate award; Honours thesis award
2006	Patrick Farer	NSERC undergraduate award
2006	Allison Andres	NSERC CGS-Masters award
2006	Allison Andres	NSERC undergraduate award
2006	Melanie Matthews	NSERC PGS-Masters award
2005	Shahnaz Koji	NSERC undergraduate award; Millenium Scholarship
2005	Karen Carter	UW's President's Award for Volunteerism

### Awards Won by Graduate Students from my Laboratory:

2017	Jeffrey Wammes	NSERC postdoctoral Fellowship (for tenure at <i>Yale University</i> )
2017	Jeffrey Wammes	Recipient <i>UW Outstanding Achievement in PHD Studies Award</i>
2017	Melissa Meade	Recipient of <i>CSBBCS Hebb Award</i> for Best Talk
2017	Jeffrey Wammes	Nominated for <i>Alumni Gold Medal PhD level UW</i>
2016	Melissa Meade	NSERC PGS-Doctoral
2015	Melissa Meade	Recipient <i>UW Outstanding Achievement in Graduate Studies Award</i>
2015	Melissa Meade	Nominated for <i>Alumni Gold Medal Masters level UW</i>
2015	Jeff Wammes	Recipient of <i>CSBBCS Hebb Award</i> for Best Poster
2014	Jeff Wammes	NSERC CGS-Doctoral
2014	Lana Ozen	Postdoctoral Fellowship – <i>Network Centres of Excellence Canada</i>
2014	Melissa Meade	Short-listed for <i>CSBBCS Hebb Student Poster Award</i>
2013	Jeff Wammes	Honourable Mention <i>CSBBCS Hebb Student Poster Award</i>
2013	Jennifer Tomaszczyk	Postdoctoral Fellowship from <i>CIHR</i> and Travel Grant from <i>CIHR</i>
2012	Lana Ozen	Postdoctoral Fellowship from <i>Alzheimer Society of Canada</i>
2012	Jennifer Tomaszczyk	Postdoctoral Fellowship <i>University Health Network</i>

2012	Jennifer Tomaszczyk	Short list at <i>CSBBCS</i> conference for Best talk <i>Best Talk Award</i> ; Waterloo Graduate student conference
2010	Lana Ozen	<i>Best Talk Award</i> ; Waterloo Graduate student conference
2009	Erin Skinner	<i>Warren Ober Award</i> for Best graduate-level instructor
2008	Jennifer Tomaszczyk	NSERC PGS-Doctoral
2008	Shahnaz Koji	NSERC PGS-Doctoral
2008	Lana Ozen	NSERC PGS-Doctoral
2007	Erin Skinner	NSERC CGS-Doctoral
2006	Stacey Danckert	NSERC PGS-Doctoral
2006	Erin Skinner	NSERC PGS-Masters; Travel Award for Course in fMRI data analysis; Medical College of Wisconsin

## WORK PLACEMENT OF PAST GRADUATE STUDENTS

*Dr. Jeffrey Wammes* (defended PhD July 2017) –NSERC postdoctoral fellow (2017-2019), *Yale University* New Haven, Connecticut, USA

*Bethany Delleman* (completed Masters 2014) – Research Coordinator (since 2015), *McMaster University*, Hamilton, ON; instructor (2014-2015) at *Redeemer College University*, Ancaster, ON; Education Coordinator, *Research Institute of Aging*, Waterloo, ON

*Dr. Shahnaz Koji* (defended PhD 2013) – Dean Social Sciences and Faculty, Department of Psychology, *Columbia College* – Vancouver, BC

*Dr. Lana Ozen* (defended PhD 2012) – Office of Research, *Lakehead University*; *Network Centres of Excellence Canada*, and *Alzheimer Society of Canada* Postdoctoral Fellow; *St. Joseph's Health Care Group* (affiliated with *Lakehead University*) Thunder Bay, ON.

*Dr. Jennifer Tomaszczyk* (defended PhD 2012) - Scientific Associate, *Krembil Research Institute*, Toronto Western Hospital, Toronto, ON

*Dr. Stacey Danckert* (defended PhD 2011) - Green Party Representative Kitchener-Waterloo 2013-present; Co-Director Waterloo Region Environmental Network; Postdoctoral Fellow - *Baycrest Hospital: Rotman Research Institute* (2011-2012), Toronto, ON;

*Dr. Erin Skinner* (defended PhD 2009) –Chair, Department of Psychology, *Langara College*, Vancouver, British Columbia (affiliated with *University of British-Columbia*).

*Harm Kelly* (Masters 2011) – attained certification to work with developmentally delayed adults.

*Tracee Francis* (Masters 2005) – Clinical Psychology PhD *University of Chicago* 2010; private practice