

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

Outstanding Performance Award, <i>University of Waterloo</i>	2022
Outstanding Performance Award, <i>University of Waterloo</i>	2019
Fellow – <i>Canadian Society for Brain Behaviour and Cognitive Science (CSBBCS)</i>	2018
Fellow – <i>Association for Psychological Science (APS)</i>	2017
Mentorship Award - <i>Women in Cognitive Science Canada</i>	2017
Outstanding Performance Award, <i>University of Waterloo</i>	2016
Research Excellence Award - <i>Ontario Ministry of Research & Innovation</i>	2008-2013
Outstanding Performance Award, <i>University of Waterloo</i>	2013
Extraordinary Service Award - <i>Journal of Gerontology: Psychological Science:</i>	2011
Outstanding Performance Award, <i>University of Waterloo</i>	2009
Top Reviewer Award - <i>Neuropsychologia</i>	2008
President's New Researcher Award - <i>Canadian Psychological Association</i>	2007
Visiting Scientist Fellowship – <i>Rotman Research Institute</i> , Baycrest Hospital	2007
Postdoctoral fellowship - <i>NSERC</i>	2001-2004
Travel Award - <i>Organization for Human Brain Mapping</i>	2003
Postgraduate Masters and Doctoral level Scholarships - <i>NSERC</i>	1996-2000

GRANTS

External Research Funding:

INRIA – University of Bordeaux (Co-PI)	2023-2025	total 26,443 Euro
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Natural Sciences and Engineering Research Council of Canada (NSERC) Discovery Grant (PI)	2020-2025	total \$325,000
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NSERC Discovery Grant (PI)	2015-2020	total \$165,000
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NSERC			
Discovery Grant (PI)	2010-2015		total \$175,000
Ontario Ministry of Research & Innovation			
Early Researcher Grant (PI)	2008-2013		total \$150,000
Canadian Institutes of Health Research (CIHR)			
Operating Grant (Co-investigator)	2009-2012		total \$300,000
CIHR			
Pilot project grant (PI)	2009		total \$37,374
NSERC			
Research Tools & Instruments (co-investigator)	2008		total \$90,500
NSERC			
Discovery Grant (PI)	2005-2010		total \$79,045
Canadian Psychological Association			
Travel grant (PI)	2007		total \$1,000
NSERC			
Research Tools & Instruments (PI)	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. **Fernandes, M.A.** (Ed) (2020). *Cognitive Aging*. MDPI, Basel, Switzerland; printed edition of the special issue published in *Brain Sciences*.
2. Stoltz, J., Fugelsang, J., & **Fernandes, M.A.** (2018). *Cognitive Psychology: In and Out of the Laboratory*. 2nd Canadian Edition. Kendall-Hunt Publishing Company *Fernandes contribution = 4 of 12 chapters
3. Aizenstein, H., **Fernandes, M.A.**, & Reynolds, III, C.F. (Eds.) (2010). *Neuroimaging Research in Geriatric Mental Health*. Springer Publishing Company, New York, NY

4. Galotti, K., **Fernandes, M.A.**, Fugelsang, J., & Stoltz, J. (2009). *Cognitive Psychology In and Out of the Laboratory*. 1st Canadian Edition. Thomson Nelson Publishing, Toronto, ON; * Fernandes contribution = 4 of 12 chapters

Articles in Refereed Journals: students underlined

1. Morrison-Koechl, J.M., Fearon, D.O., **Fernandes, M.A.** & Tyas, S.L. (in press). The association between emotional expressivity in autobiographies from early adulthood and the risk of dementia in the context of written language skills. *Journal of Alzheimer's Disease*
2. Roberts, B.R.T., MacLeod, C.M., & **Fernandes, M.A.** (in press). The enactment effect: An integrative review of behavioural, neuroimaging, and patient studies. *Psychological Bulletin*
3. Roberts, B.R.T., **Fernandes, M.A.**, & MacLeod, C.M. (in press). Memory for symbolic images: Findings from sport team logos. *Journal of Applied Research in Memory & Cognition*
4. Yeung, R. C., & **Fernandes, M.A.** (2022). Machine learning to detect invalid text responses: Validation and comparison to existing detection methods. *Behavior Research Methods*, 1-16.
5. Sivashankar, Y., Liu, J., & **Fernandes, M. A.** (2022). Enhancing Memory using Subject versus Experimenter-Produced Actions During Encoding: the Role of Meaning and Physical Presence. *Journal of Cognitive Psychology*, 1-12
6. Yeung, R. C., Stastna, M., & **Fernandes, M.A.** (2022). Understanding autobiographical memory content using computational text analysis. *Memory*. 30 (1), 1267- 1287
7. Tanberg, P., **Fernandes, M.A.**, & MacLeod, C.M. (2022). Aging and directed forgetting Evidence for an associative deficit but no evidence for an inhibition deficit. *Canadian Journal of Experimental Psychology*, 76(3), 210-217
8. Tran, S. H., Beech, I., & **Fernandes, M.A.** (2022). Drawing compared to writing in a diary enhances recall of autobiographical memories. *Aging, Neuropsychology, and Cognition*, 1-17.
9. Homann, L.A., Roberts, B.R.T., Ahmed, S., & **Fernandes, M.A.** (2022). Are emojis processed visuo-spatially or verbally? Evidence for dual codes. *Visual Cognition*, 30(4), 267-279
10. Sivashankar, Y., & **Fernandes, M.A.** (2022). Enhancing memory using enactment: does meaning matter in action production? *Memory*, 30(2), 147-160
11. Yeung, R. C. & **Fernandes, M.A.** (2021). Recurrent involuntary memories are modulated by age and linked to mental health. *Psychology and Aging*, 36(7), 883.
12. Yeung, R. C. & **Fernandes, M.A.** (2021). Divided attention at encoding or retrieval interferes with emotionally enhanced memory for words. *Memory*, 29 (3), 284-297.
13. Yeung, R. C., Lee, C. M., & **Fernandes, M.A.** (2021). The influence of social anxiety-provoking contexts on context reinstatement effects. *Quarterly Journal of Experimental Psychology*, 7, 1170-1184.
14. McCrackin, S. D., Lee, C. M., Itier, R. J., & **Fernandes, M.A.** (2020). Meaningful faces: Self-relevance of semantic context in an initial social encounter improves later face recognition. *Psychonomic Bulletin & Review*, 1-9.
15. Yeung, R.C., & **Fernandes, M.A.** (2020). Recurrent involuntary autobiographical memories: Characteristics and links to mental health status. *Memory*, 1-13.
16. Roberts, B.R.T., **Fernandes, M.A.**, & MacLeod, C.M (2020). Re-evaluating the influence of bilateral eye movements on memory. *PLOS One*, 15(1), e0227790.

17. **Meade, M.E., Klein, M. & Fernandes, M.A.** (2020). The benefit (and cost) of drawing in episodic memory. *Quarterly Journal of Experimental Psychology*, 73(2), 199-210.
18. **Roberts, B., Wammes, J., & Fernandes, M.A.** (2020) Drawing with your eyes: Extending mnemonic research. *Mind Pad*, 9(1), 3-7.
19. **Meade, M. E., Ahmad, M., & Fernandes, M. A.** (2020). Drawing pictures at encoding enhances memory in healthy older adults and in individuals with probable dementia. *Aging, Neuropsychology, and Cognition*, 27(6), 880-901.
20. Robertson, A.D., Heckman, G.A.W., **Fernandes, M.A.**, Roy, E.A., Tyas, S.L., & Hughson, R.L. (2020). Carotid pulse pressure and intima media thickness are directly and independently associated with cerebral hemodynamic pulsatility in asymptomatic older adults. *Journal of Human Hypertension*, 34(11):768-777. doi:10.1038/s41371-019-0295-7
21. **Wammes, J.D., Jonker, T. R., Fernandes, M.A.** (2019). Drawing improves memory: The importance of multimodal encoding context. *Cognition*, 191, 103955.
22. **Larche, C., Chini, K., Lee, C., Dixon, M.J., & Fernandes, M.A.** (2019). Rare loot box rewards trigger larger arousal and reward responses, and greater urge to open more loot boxes. *Journal of Gambling Studies* doi.org/10.1007/s10899-019-09913-5
23. **Hack, E.E., Dubin, J.A., Fernandes, M.A., Costa, S.M., & Tyas, S.L.** (2019). Multilingualism and Dementia Risk: Longitudinal Analysis of the Nun Study. *Journal of Alzheimer's Disease*. 71, 201-212
24. **Yeung, R.C., & Fernandes, M.A.** (2019). Altered working memory capacity for social threat words in high versus low social anxiety. *Anxiety, Stress, & Coping*, 32(5), 505-521
25. **Meade, M.E., Meade, J.G., Sauzeon, H., & Fernandes, M.A.** (2019). Active navigation in virtual environments benefits older adults' spatial memory. *Brain Sciences*, 9(3), 47 <http://dx.doi.org/10.3390/brainsci9030047>; * Selected as Editor's Choice feature
26. **Yeung, R.C., & Fernandes, M.A.** (2019) Social anxiety enhances recognition of task-irrelevant threat words. *Acta Psychologica*, 194, 69-76
27. **Meade, M. E., Wammes, J. D., & Fernandes, M.A.** (2019). Comparing the influence of doodling, drawing, and writing at encoding on memory. *Canadian Journal of Experimental Psychology/Revue canadienne de psychologie expérimentale*, 73(1), 28-36. <http://dx.doi.org/10.1037/cep0000170>
28. **Wammes, J.D., Roberts, B.R., & Fernandes, M.A.** (2018) Task preparation as a mnemonic: The benefits of drawing (and not drawing). *Psychonomic Bulletin and Review*, 25, 2365–2372. <https://doi.org/10.3758/s13423-018-1477-y>.
29. **Meade, M. E., Wammes, J. D., & Fernandes, M.A.** (2018). Drawing as an encoding tool: Memorial benefits in younger and older adults. *Experimental Aging Research*, 44(5), 369-396; *selected for Editor's Choice Collection
30. **Fernandes, M.A., Wammes, J. D., & Meade, M. E.** (2018). The surprisingly powerful influence of drawing on memory. *Current Directions in Psychological Science*, 27(5), 302-308.
31. **Wammes, J. D., Meade, M. E., & Fernandes, M.A.** (2018). Creating a recollection-based memory through drawing. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 44(5), 734-751
32. **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
33. **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

34. **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.
35. **Wammes, J.D., & Fernandes, M.A.** (2017). The Residual Protective Effects of Enactment. *Cognition*, 184, 87-101.
36. **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
37. **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.
38. **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.
39. **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.
40. **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.
41. **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.
42. **Ahmad, F., Fernandes, M.A.,** Hockley, W. (2015). Improving associative memory in older adults with unitization. *Aging Neuropsychology and Cognition*, 22, 4, 452-472.
43. **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.
44. **Fernandes, M.A** (2014). Specifying the link between brain integrity, cognitive, and affective functioning in aging individuals. *The Journal of Gerontology: Psychological Sciences*, 69, 6, 823-825.
45. **Skinner, E.I., Manios, M., Fugelsang, J., & Fernandes, M.A.** (2014). Reinstate of encoding context during recollection: Behavioural and Neuroimaging evidence of a double dissociation. *Behavioural Brain Research* 264, 51-63.
46. **Tomaszczyk, J., & Fernandes, M.A.** (2014). Age-related differences in attentional bias for emotional faces. *Aging, Neuropsychology, and Cognition*, 21 (5), 544–559.
47. **Fernandes, M.A.** (2013). Strategies and Factors that help or hinder memory. *The Journal of Gerontology: Psychological Sciences*, 68 (6): 859-861.
48. **Fernandes, M.A., Wammes, J., & Hsiao, J.** (2013). Representation of linguistic information determines its susceptibility to memory interference. *Brain Sciences*, 3, 1244-1260.
49. **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.
50. **Fernandes, M.A., Miller, E., & Michela, J.** (2013). Alpha Meals: Using Cognitive Psychology to Boost Restaurant Server Performance. *Sage Open, April-June*, 1-6.
51. **Tomaszczyk, J., & Fernandes, M.A.** (2013). A Positivity Effect in Older Adults' Memorability Judgments of Pictures. *Experimental Aging Research*, 39, 254-274.
52. **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.
53. **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.
54. **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.

55. **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.

56. **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.

57. Danckert, S., MacLeod, C., & **Fernandes, M.A.** (2011). Source-Constrained Retrieval Influences the Encoding of New Information. *Memory & Cognition*, 39, 137

58. 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.

59. Skinner, E., Grady, C., & **Fernandes, M.A.** (2010) Reactivation of Context-Specific Brain Regions During Retrieval. *Neuropsychologia*, 48, 156-164.

60. 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.

61. 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.

62. Skinner, E. & **Fernandes, M.A.** (2010) Effect of Study Context on Item Recollection. *The Quarterly Journal of Experimental Psychology*, 63(7), 1318-1334.

63. 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.

64. **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.

65. Skinner, E., & **Fernandes, M.A.** (2009). Age-related Changes in the Use of Study Context to Increase Recollection. *Aging, Neuropsychology & Cognition*, 16, 377-400.

66. Skinner, E., & **Fernandes, M.A.** (2009b). Illusory Recollection in Older Adults and Young Under Divided Attention. *Psychology & Aging*, 24, 211-216.

67. **Fernandes, M.A.**, Ross, M., Wiegand, M., & Schryer, E. (2008). Are the Memories of Older Adults Positively Biased? *Psychology & Aging*, 23, 297-306.

68. **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.

69. 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.

70. Skinner, E. & **Fernandes, M.A.** (2008). Interfering With Remembering and Knowing: Effects of Divided Attention at Retrieval. *Acta Psychologica*, 127, 211-221.

71. 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.

72. **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.

73. **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.

74. **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.

75. **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.

76. **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.

77. **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.

78. **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.

79. **Fernandes, M.A.**, & Moscovitch, M. (2003). Interference Effects From Divided Attention During Retrieval in Younger and Older Adults. *Psychology & Aging*, 18, 219-230.

80. **Fernandes, M.A.**, & Moscovitch, M. (2002) Factors Modulating the Effect of Divided Attention During Retrieval of Words. *Memory & Cognition*, 30, 731-744.

81. **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.

82. **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. **Tran, S.** & **Fernandes, M.A.** (invited resubmission). Age differences in Effectiveness of Encoding Techniques on Memory. *Aging, Neuropsychology & Cognition*
2. **Tran, S.**, & **Fernandes, M.** (invited resubmission). Drawing independently enhances memory for emotional words. *Canadian Journal of Experimental Psychology*
3. **Roberts, B.R.T.**, MacLeod, C.M., & **Fernandes, M.A.** (invited resubmission). Symbol superiority: Why \$ is better remembered than 'dollar'. *Cognition*
4. **Yeung, R.C.** & **Fernandes, M.A.** (submitted). Specific topics, specific symptoms: Linking the content of recurrent involuntary memories to mental health using computational text analysis. *npj Mental Health Res*
5. **Tran, S.**, & **Fernandes, M.** (submitted). Effectiveness of encoding techniques on memory for concrete and abstract words. *Memory & Cognition*
6. **Roberts, B.R.T.**, Meade, M., & **Fernandes, M.A.** Neural Integration of Multimodal Memories Following Drawing: An fMRI Study. *Memory & Cognition*
7. Levi, A., Pugsley, A., **Fernandes, M.A.**, Turner, G.R., & Gilboa, A. (submitted). Drawing improves memory in patients with hippocampal damage. *Memory & Cognition*

8. Yeung, R.C. Danckert, J., van Tilburg, W. & **Fernandes, M.A.** (invited resubmission) Disentangling boredom from depression using the phenomenology and content of involuntary autobiographical memories. *Emotion*
9. Sivashankar, Y., **Fernandes, M.A.**, Oudeyer, P.-Y., & Sauzéon, H. (submitted). The Beneficial Role of Curiosity on Route memory in Children. *Child Development*

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.
3. **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.
4. **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.
5. 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

Technical Reports:

1. **Fernandes, M. A.**, Wammes, J. D., Sklair, N., & Francis, T. J. (revised 2019; 2006). *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.** (April 2022). Drawn to memory: why certain encoding techniques can enhance memory. Invited Colloquium. Flowers Group, INRIA, *Université de Bordeaux*, Bordeaux, France.
2. **Fernandes, M.A.** (April 2022). Why do certain encoding techniques enhance memory? Invited Colloquium. *Baycrest Hospital, Rotman Research Institute*, Toronto, ON
3. **Fernandes, M.A.** & Sivashankar, Y. (April 2022). How active encoding techniques can enhance memory. Invited Talk. Flowers Group, INRIA, *Institut des Maladies Neurodégénératives, Mnemosyne Team, Neurocampus, INRIA*, Bordeaux, France.
4. Hourihan, K., Desmarais, G., Kaufman, J., Tan, P., Yeung, R.C., **Fernandes, M.A.** (June 2021). Experiences of Racism and Discrimination: Survey Results. Invited Symposium at the *Canadian Society for Brain, Behaviour, and Cognitive Science*
5. **Fernandes, M.A.** (March 2021). Nootropics vs. Behavioral therapy for Cognitive enhancement. Queen's Undergraduate Neuroscience Conference. Kingston, ON

6. **Fernandes, M.A.** (March 2021). Drawing as a reliable technique to boost memory. Psychology Society Speaker Series, Mount Alison, Sackville, NB.
7. **Fernandes, M.A.** (April 2019). Active versus Passive Encoding. Invited Colloquium. *Flowers Group, INRIA, Université de Bordeaux*, Bordeaux, France.
8. **Fernandes, M.A.** (November, 2018). The surprising and powerful influence of drawing on memory: recent highlights. Invited Colloquium, *Rotman Research Institute*, Toronto, ON
9. **Fernandes, M.A.** (May 2018). Drawing as an encoding tool: Memory benefits in younger and older adults as well as patients with dementia. Invited Symposia Speaker. *Development 2018*, Brock University St. Catherines, ON
10. **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
11. **Fernandes, M.A.** (March 2018). The surprising and powerful influence of drawing on memory. Invited Colloquium, Department of Psychology, *McMaster University*, Hamilton, ON
12. **Fernandes, M.A.** (March 2018). Understanding the influence of drawing on memory. Invited Guest Seminar, Department of Kinesiology, *University of Waterloo*, Waterloo, ON
13. **Fernandes, M.A.** (September 2017). What happens to our memories as we age? Invited Address for *Third Age Learning Society* Burlington, ON
14. **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 (CSBCCS)*, Regina, Saskatchewan
15. **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
16. **Fernandes, M.A.** (April 2016). Memory and Aging. Invited Address for 'The Aging Dialogues', *The Museum*, Kitchener, ON
17. **Fernandes, M.A.** (March 2016). How does your brain influence your behaviour? *Waterloo Unlimited – Youth outreach*, Waterloo, ON
18. **Fernandes, M.A.** (March 2016). What happens to our memories as we age? Invited Address for *Third Age Learning Society* Owen Sound, ON
19. **Fernandes, M.A.** (October 2015). What happens to our brains as we age? Invited Address for *Third Age Learning Society Guelph Chapter*, Guelph, ON
20. **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
21. **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.
22. **Fernandes, M.A.** (June 2015). What can interference effects tell us about episodic memory? Invited speaker, *Morris Moscovitch Festschrift*, University of Toronto, Toronto, ON
23. **Fernandes, M.A.** (September 2014). Factors affecting the cognitive behavioral and neural basis of memory. *York University Neuropsychology Rounds* Invited Talk, Toronto, Canada
24. **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

25. **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
26. **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
27. **Fernandes, M.A.** (June, 2012). How context at encoding can boost recollection during retrieval. *Canadian Society for Brain, Behaviour and Cognitive Science*, Kingston, ON
28. **Fernandes, M.A.** (April, 2011). Memory changes in younger and older adults. *Hong Kong University, Department of Psychology colloquium series*, Pokfulam, Hong Kong
29. **Fernandes, M.A.** (January, 2011). The influence of context on memory. *Wilfrid Laurier University, Cognitive Neuroscience colloquium*, Waterloo, ON, Canada
30. **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
31. **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
32. **Fernandes, M.A.** (April 2010). Memory and Aging Studies. *Rockway Mennonite Seminar Series*. Kitchener, ON
33. **Fernandes, M.A.** (March 2010). Design of the human brain. *Waterloo Unlimited – Youth outreach*, Waterloo, ON
34. **Fernandes, M.A.** (November 2009). Factors influencing memory encoding and retrieval. *Centre de Recherche Institut Universitaire de Gériatrie de Montréal*, Montreal, QC
35. **Fernandes, M.A.** (October, 2009). The human brain and its functions. *Waterloo District Catholic School Board, Enrichment Program*, Waterloo, ON
36. **Fernandes, M.A.** (February 2009). Reactivating the contents of memory. *Lake Ontario Visionary Establishment (LOVE) Conference*, Niagara Falls, ON.
37. **Fernandes, M.A.** (March, 2009). Design of the human brain. Large and Small Group Workshops for *Waterloo Unlimited*, Waterloo, ON
38. 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
39. **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
40. **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
41. **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
42. **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
43. **Fernandes, M.A.** (June, 2007). New methods of studying memory and language. *TENNET 16*, Montreal, QC

44. **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
45. **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
46. **Fernandes, M.A.** (March, 2006). What can we learn about memory from studies of divided attention? *Artificial Intelligence group, University of Waterloo*, Waterloo, ON
47. **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
48. **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
49. Moscovitch, M., & **Fernandes, M.A.** (1998). Divided attention effects are material-specific at retrieval but not at encoding. Invited symposium talk for the 39th annual meeting of the *Psychonomic Society*, Dallas, TX, USA

Conference Talks and Posters:

1. Cox, A. & **Fernandes, M.A.** (2023). Looking for Commonalities and Differences in Item and Associative Memory in mTBI & Older Adults. Poster presented at the 30th annual *Cognitive Neuroscience Society* meeting, San Francisco, CA
2. Tran, S. & **Fernandes, M.A.** (2023). Aging and the Effectiveness of Encoding Techniques. Poster presented at the 30th annual *Cognitive Neuroscience Society* meeting, San Francisco, CA
3. Yeung, R.C. & **Fernandes, M.A.** (2022). Involuntary Autobiographical Memories and Mind Wandering: The Same or Different? Poster presented at the 63rd annual meeting of the *Psychonomic Society*, Boston, MA, USA
4. Roberts, B.R.T., MacLeod, C.M., & **Fernandes, M.A.** (2022). Memory for Sports Logos: The Influence of Familiarity. Poster presented at the 63rd annual meeting of the *Psychonomic Society*, Boston, MA, USA
5. Sivashankar, Y., Sauzeon, H., & **Fernandes, M.A.** (2022). Active and Visually-Guided Navigation Benefit Route Memory. Poster presented at the 63rd annual meeting of the *Psychonomic Society*, Boston, MA, USA
6. Sivashankar, Y., Sauzeon, H., & **Fernandes, M.A.** (2022). The benefit of active navigation on route memory in younger and older adults. Invited Symposium Talk presented at the annual meeting of the *Canadian Society for Brain, Behaviour, and Cognitive Science*, Halifax, NS.
7. Tran, S., & **Fernandes, M.A.** (2022). The interplay between concreteness effects and encoding strategies. Talk presented at the annual meeting of the *Canadian Society for Brain, Behaviour, and Cognitive Science*, Halifax, NS.
8. Tanberg, P., **Fernandes, M.A.**, MacLeod, C.M., & Hockley, W.E. (2022). How increasing item and cue duration influence item-method directed forgetting. Talk presented at the annual meeting of *Cognitive Science Society*, Toronto, ON
9. Cox, A., & **Fernandes, M.A.** (2022). Investigating the role of attention and concussion history on Item and Associative memory. Poster presented at the annual meeting of the *Canadian Society for Brain, Behaviour, and Cognitive Science*, Halifax, NS.
10. Tanberg, P., Yeung, R.C., Sullivan, K., & **Fernandes, M.A.** (2022). Musical cues enhance the quantity and quality of autobiographical memories. Poster presented at the annual meeting of the *Canadian Society for Brain, Behaviour, and Cognitive Science*, Halifax, NS.
11. Roberts, B.R.T., MacLeod, C.M., & **Fernandes, M.A.** (2022). Symbol superiority: Why \$ is better remembered than 'dollar'. Talk presented at the annual meeting of the *Canadian Society for Brain, Behaviour, and Cognitive Science*, Halifax, NS.

12. Yeung, R. C., & **Fernandes, M. A.** (2022). Voluntary and involuntary autobiographical memories: More similar than different? Talk presented at the annual Meeting of the *Canadian Society for Brain, Behaviour and Cognitive Science*, Halifax, NS.
13. Tran, S., & **Fernandes, M.A.** (2022). Drawing compared to writing in a diary enhances recall of autobiographical memories. Talk presented at the *Canadian Psychological Association Convention*, Calgary, AB. *Won *Peter Graf Award for Excellence in Brain and Cognitive Science Research*
14. Roberts, B.R.T., MacLeod, C.M., & **Fernandes, M.A.** (2022). The enactment effect: A systematic review and meta-analysis of behavioural, neuroimaging, and patient studies. Poster presented at the 34th annual meeting of the *Association for Psychological Science* (APS), Chicago, Illinois
15. Roberts, B.R.T., MacLeod, C.M., & **Fernandes, M.A.** (2022). Symbol superiority: Why \$ is better remembered than 'dollar'. Talk presented at the 6th annual meeting of the *Toronto Area Memory Group (TAMeG)*, Toronto, Ontario, May 19, 2022.
16. Yeung, R.C., can Tilburg, W.A.P., Danckert, J., & **Fernandes, M.A.** (2022). Disentangling Boredom from Depression Using Involuntary Autobiographical Memories. Poster presented at the *International Neuropsychological Society Meeting*, New Orleans, USA (presented remotely).
17. Zuljevic M., **Fernandes MA.**, McAiney C, Tyas S. (2022). The Multilingual Mind: Multilingualism and Mild Cognitive Impairment. *Symposium talk on Aging Research*, University of Waterloo, ON
18. Yeung, R. C., & Stastna, M. & **Fernandes, M. A.** (2021). Computational text analysis of recurrent memories: Using machine learning to characterize memory content and their links to mental health. Poster presented at the 62nd annual meeting of the *Psychonomic Society*, New Orleans, LA
19. Roberts, B.R.T., MacLeod, C.M., & **Fernandes, M.A.** (2021). The enactment effect: A meta-analytic review of behavioural, neuroimaging, and patient studies. Talk presented at the 62nd annual meeting of the *Psychonomic Society*, New Orleans, LA
20. Homann, L.A., Roberts, B.R.T., Ahmed, S., **Fernandes, M. A.** (2021). Are emojis processed visuo-spatially or verbally? Evidence for dual codes. Poster presented at the 62nd annual meeting of the *Psychonomic Society*, New Orleans, LA
21. **Fernandes, M.A.** & Yeung, R. C. (2021). Recurrent involuntary memories are linked to mental health: insights from computational text analysis. Talk presented at the *Memory Disorders Research Society*, virtual conference
22. Roberts, B.R.T., MacLeod, C.M., & **Fernandes, M.A.** (2021). The enactment effect: A meta-analytic review of behavioural, neuroimaging, and patient studies. Invited symposium talk presented at the annual meeting of the *Canadian Society for Brain, Behaviour, and Cognitive Science*, virtual online conference; *Honourable mention for *Hebb Award* for Best student talk.
23. Sivashankar, Y., & **Fernandes, M.A.** (2021). Enhancing memory using enactment: Does meaning matter when producing or observing an action. Talk given at the annual meeting of the *Canadian Society for Brain, Behaviour, and Cognitive Science*, virtual online conference
24. Tran, S. H. N & **Fernandes, M. A.** (2021). Drawing as an Encoding Tool. Poster presented at *Canadian Society for Brain, Behaviour, and Cognitive Science*, virtual online conference
25. Tran, S. H. N. Beech, I., & **Fernandes, M. A.** (2021). Drawing in a Diary to Enhance Recall of Younger and Older Adults. Poster presented at the *Canadian Society for Brain, Behaviour, and Cognitive Science*, virtual online conference
26. Tan, P., **Fernandes, M.A.**, & MacLeod, C.M. (2021). Older adults have an associative deficit but this does not affect directed forgetting performance. Virtual talk presented at the annual meeting of the *Canadian Society for Brain, Behaviour, and Cognitive Science*, virtual online conference
27. Yeung, R. C., & **Fernandes, M. A.** (2021). What are recurrent memories about? Understanding their contents and links to mental health using computational text analysis. Conference talk presented at the annual meeting of the *Canadian Society for Brain, Behaviour and Cognitive Science*, virtual online conference
28. Sivashankar, Y., **Fernandes, M. A.**, & Sauzéon, H. (2021). Investigating the utility of digital voice assistants for spatial navigation. Talk presented at the *10 year Partnership Celebration* between University of Bordeaux and Waterloo, Waterloo, Ontario.

29. **Sivashankar, Y. & Fernandes, M.A.** (2020). Enhancing Memory Using Enactment: Does meaning matter in action production? Poster presented at the 61st annual meeting of the *Psychonomic Society*, virtual online conference
30. **Yeung, R.C. & Fernandes, M.A.** (2020). Are involuntary memories nostalgia or neuroses? Investigating the roles of emotion and aging. Poster presented at the 61st annual meeting of the *Psychonomic Society*, virtual online conference
31. **Roberts, B., MacLeod, C., & Fernandes, M.A.** (2020). Better memory for symbols than words: A role for visual imagery. Poster presented at the 61st annual meeting of the *Psychonomic Society*, virtual online conference
32. **Lee, C., McCrackin, S.D., Itier, R.J., & Fernandes, M.A.** (2020). You said something about me: Contextual self-relevance during a first encounter with a face impacts later face recognition. Poster presented at the *CogSci* virtual online conference, Toronto, ON
33. **Yeung, R.C. & Fernandes, M.A.** (2019). Interfering with memory for negative information. Poster presented at the 60th annual meeting of the *Psychonomic Society*, Montreal, QC
34. **Lee, C., & Fernandes, M.A.** (2019). Limitations to context reinstatement: Familiarity with faces reduces effect. Poster presented at the 60th annual meeting of the *Psychonomic Society*, Montreal, QC
35. **Meade, M., & Fernandes, M.A.** (2019). Drawing Pictures at Encoding Enhances Memory in Healthy Older Adults and in Individuals with Probable Dementia. Talk given at the *Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS)*, Waterloo, Ontario
36. **Roberts, B., MacLeod, C., & Fernandes, M.A.** (2019). Re-evaluating the influence of bilateral eye movements on memory performance. Talk given at the *Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS)*, Waterloo, Ontario
37. **Lee, C., Yeung, R.C., & Fernandes, M.A.** (2019). Anxiety-Provoking Context Scenes Can Reduce the Context Reinstatement Effect. Talk given at the *Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS)*, Waterloo, Ontario
38. **Yeung, R.C., & Fernandes, M.A.** (2019). From tea cakes to trauma: Bridging gaps between involuntary memory and mental health. Talk given at the *Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS)*, Waterloo, Ontario
39. **Lee, C. & Fernandes, M.A.** (2018) The Influence of Associating Faces with Repeated versus Different Scenes on Context Reinstatement Effects. Poster presented at the 59th annual meeting of the *Psychonomic Society*, New Orleans, LA
40. **Fernandes, M.A. & Yeung, R.C.** (2018). Bias in episodic and working memory in individuals with high versus low social anxiety. Talk presented at the *Memory Disorders Research Society*, Toronto, ON
41. **Fernandes, M.A. & Meade, M.E.** (2018). Enhancing Memory using Drawing as an Encoding Tool in Healthy Aging Adults, and in Patients with Dementia. Talk presented at the *International Neuropsychological Society*, Prague, Czech Republic
42. **Meade, M. E.*, Klein, M. D., & Fernandes, M. A.** (2018). The benefit (and cost) of drawing in episodic memory. Oral presentation at *Canadian Society for Brain Behaviour and Cognition Sciences (CSBBCS)*, St. John's, NFLD. *Won the Donald O. Hebb award for Best Talk.
43. **Roberts, B.R.T., MacLeod, C.M. Fernandes, M.A.** (2018). The enactment effect: An integrative review. Oral presentation at *Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS)* St John's, NFLD
44. **Lee, C. & Fernandes, M.A.** (2018) "I'd recognize that face anywhere!". Talk presented at the meeting of the *Toronto Area Memory Group*; Toronto, ON.
45. **Lee, C. & Fernandes, M.A.** (2018) No matter the place, I'd recognize that face. Poster presented at the *Graduate Psychology Discovery Conference*; Waterloo, ON. *Won Award for Graduate Psychology Discovery Conference Best Upper Year Poster.
46. **Meade, M. E., Klein, M. D., & Fernandes, M. A.** (2018). Missed connection: Beautiful drawing with rich visual perceptual information, I was the verbal label right next to you. Poster presentation at the regional *Lake Ontario Visionary Establishment (LOVE)*, Niagara, ON.

47. **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
48. **Lee, C., Koji, S., & Fernandes, M.A.** (2017). Familiarity modulates context reinstatement effect for faces. Poster presented at the 58th annual meeting of the *Psychonomic Society*, Vancouver, BC
49. **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 58th annual meeting of the *Psychonomic Society*, Vancouver, BC
50. **Fernandes, M.A.** (2017). Drawing as an Encoding tool. Talk presented at the *Memory Disorders Research Society*, Chicago, IL, USA
51. **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
52. **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
53. **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
54. **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 (CSBCCS)*, Regina, Saskatchewan; * recipient of Hebb Award for Best Talk.
55. **Meade, M.E., Wammes, J.D., & Fernandes, M.A.** (2016). What does doodling do? Evidence for free recall impairments. Poster presented at the 57th annual meeting of the *Psychonomic Society*, Boston, MA, USA
56. **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
57. **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 (CSBCCS)*, Ottawa, Ontario
58. **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 (CSBCCS)*, Ottawa, Ontario
59. **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 (CSBCCS)*, Ottawa, Ontario
60. **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
61. **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
62. **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
63. **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*. Roverto, Italy.
64. 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

65. 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* 25th annual conference, Toronto, ON.
66. 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.
67. 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
68. 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;
69. **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
70. 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
71. **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
72. 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
73. 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
74. **Fernandes, M.A.**, Skinner, E.I., Manios, M., & Fugelsang, J. (2013). Study Context Influences Brain Regions Recruited During Retrieval. Paper presented at the 54th annual meeting of the *Psychonomic Society*, Toronto, ON
75. Wammes, J., & **Fernandes, M.A.**, (2013). Interfering With Memory for Faces: The Cost of Doing Two Things at Once. Poster presented at the 54th annual meeting of the *Psychonomic Society*, Toronto, ON
76. 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
77. 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
78. 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
79. Robertson, AD., **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
80. Tomazczyk, J. & **Fernandes, M.A.** (2013). Age-related differences in attentional bias for emotional faces. Poster presented at *American Psychological Society*, Washington, DC
81. 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

82. **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
83. **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
84. **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
85. **Fernandes, M.A.** (2011). The Influence of Background Context on Memory in Older Adults. *Journal of Psychophysiology*, Vol 25(Suppl 1), 11.
86. **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
87. **Tomazczyk, 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
88. **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
89. 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
90. **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
91. **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
92. **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
93. **Tomaszczyk, J., & Fernandes, M.A.** (2010). A positivity bias in older adults' attention to scenes? Poster presented at *Cognitive Neuroscience Society*, Montreal, QC
94. **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
95. **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
96. **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
97. 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
98. **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
99. **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
100. **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

101. 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
102. 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 *19th Annual Rotman Research Institute Conference: Cognitive Aging*, Toronto, ON
103. 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
104. Skinner, E., & **Fernandes, M.A.** (2008). Recollection and susceptibility to misleading information following a mild head injury. Poster presented at *TENNET 16*, Waterloo, ON
105. Guild, E., & **Fernandes, M.A.** (2008). Process-specific interference effects during recognition of spatial patterns and words. Paper presented at *18th annual Canadian Society for Brain, Behaviour and Cognitive Science* meeting, London, ON
106. 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 *18th annual Canadian Society for Brain, Behaviour and Cognitive Science* meeting, London, ON
107. Koji, S. & **Fernandes, M.A.** (2008). Memory for faces in emotional contexts. Poster presented at *18th annual Canadian Society for Brain, Behaviour and Cognitive Science* meeting, London, ON.
108. **Fernandes, M.A.**, & Koji, S. (2008) How emotional context changes our evaluation of faces. Poster presented at the *Cognitive Aging Conference*, Atlanta, GA, USA
109. 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
110. **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
111. 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
112. 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
113. **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
114. 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
115. 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
116. Carter, K., & **Fernandes, M.A.** (2006). Conditions influencing traditional ear-advantage scores obtained on dichotic-listening tasks. Poster presented at *TENNET 15*, Montreal, QC
117. **Fernandes, M.A.** (2006). Building computer-based laboratory practices into psychology research method courses. Poster presented at *6th annual MERLOT International Teaching Conference*, Ottawa, ON
118. **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
119. **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 *16th annual Canadian Society for Brain, Behaviour and Cognitive Science* meeting, Saskatoon, Saskatchewan
120. 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 *47th annual meeting of the Psychonomic Society*, Houston, TX, USA
121. 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 46th annual meeting of the *Psychonomic Society*, Toronto, ON

122. **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 45th annual meeting of the *Psychonomic Society*, Minneapolis, MN, USA

123. **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

124. **Fernandes, M.A.** & Grady, C. (2003). Effect of divided attention on recall of categorizable and unrelated words in young and old adults. Poster presented at the *Banff Annual Seminar in Cognitive Science*, Banff, AB

125. Moscovitch, M. & **Fernandes, M.A.** (2003). Aging, attention, and memory – I: A cognitive neuroscience approach. Paper presented at *American Psychological Association*, 111th Annual Convention, Toronto, ON

126. **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 44th annual meeting of the *Psychonomic Society*, Vancouver, BC

127. **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

128. **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.

129. **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

130. **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

131. Moscovitch, M., & **Fernandes, M.A.** (1999). Specifying the locus of divided attention effects at retrieval. Poster presented at the 40th annual meeting of the *Psychonomic Society*, Los Angeles, CA

132. 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

133. **Fernandes, M.A.**, & Moscovitch, M. (1998). Interference at encoding and retrieval using word versus number based monitoring tasks. Paper presented at the 16th annual *Brain, Behaviour and Cognitive Science* meeting, Ottawa, ON

SERVICE

Professional

2022-2028 Elected to the Governing Board of the *Psychonomic Society*

2022-2026 Associate Editor *Canadian Journal of Experimental Psychology* (APA journal)

2011- present Editorial Board for *J of Exp Psychology: Learning, Memory & Cognition* (APA journal)

2011- present Editorial Board for *Journal of Gerontology: Psychological Sciences* (Oxford journal)

2022-2024 Co-Chair of Strategic planning for the *Psychonomic Society*

2022-2024 *Canadian Psychological Association - Canadian Society for Brain Behaviour & Cognitive Sciences* Liaison and Partner Board member

2022 Certification: *Baycrest Memory & Aging Education Program* (for the general public)

2020-2022 President *Canadian Society for Brain Behaviour & Cognitive Sciences (CSBCCS)*

2020-2022 Head Co-Organisor of joint *CPA-CSBCCS* Career Fair virtual event; 100 attendees/year

2019-2022 *CPA Education & Training Committee* member

2020 Panel speaker & Discussant on equity, racism & discrimination in academia, at *Cognitive Science* conference online event

2020	CPA Brain & Cognition section liaison with <i>CSBBCS</i>
2020	Mentor for <i>Publons</i> – training program for graduate students to review science articles
2018-2020	Elected to Executive Board <i>CSBBCS</i> Member-at-Large
2019- 2020	Editorial Board for <i>Brain Sciences</i> (MDPI journal)
2010- 2019	Editorial Board for <i>Psychology & Aging</i> (APA journal)
2018-2019	Head Organisor of the <i>CSBBCS</i> 2019 three-day-conference, Waterloo, ON; 456 attendees
2017- present	<i>Women in Cognitive Science Canada</i> , Mentor for yearly events at conferences
2018-2019	Guest Editor for Special Issue in <i>Brain Sciences</i> on topic of Cognitive Aging
2018	Invited Symposium Organisor, <i>Development 2018</i> , St. Catherines, ON
2014-2018	Associate Editor <i>Memory & Cognition</i> (Psychonomic Society journal)
2016	<i>Southern Ontario Neuroscience Society</i> conference co-organisor
2013-2015	Associate Editor <i>Journal of Gerontology: Psychological Sciences</i> (Oxford journal)
ongoing	Ad-hoc Peer Reviewer for additional various International journals (6-8/year): <i>Acta Psychologica</i> , <i>Brain, Brain & Cognition</i> , <i>Brain & Language</i> , <i>CABN</i> , <i>Cerebral Cortex</i> , <i>Cognitive Psychology</i> , <i>Human Brain mapping</i> , <i>Emotion</i> , <i>J of Exp Psych: General</i> , <i>Journal of Neuroscience</i> , <i>Journal of Neurolinguistics</i> , <i>Memory</i> , <i>Memory & Cognition</i> , <i>NeuroImage</i> , <i>Neuropsychologia</i> , <i>Psychological Science</i> , <i>Psych Bulletin & Review</i> , <i>Canadian JEP</i> , and many others.

International

2022	External evaluator for Promotion and Tenure, <i>University of Michigan Dearborn</i>
2021	<i>Hong Kong University</i> , Department of Psychology External program reviewer
2016; 2020	External reviewer <i>Israel Science Foundation</i> grant
2017	External reviewer <i>Icelandic Research Fund</i> grant
2011	External reviewer for <i>National Science Foundation, USA</i> grants
2009	Poster and Presentation Award judge at <i>CSBBCS/EPS</i> meeting, York, United Kingdom
2007	External reviewer <i>Scottish Rite Foundation</i> grants

National

2023	Psychology Department Program Evaluator, <i>Saint Mary's University</i> , Halifax, NS
2020-2022	<i>Canadian Consortium of Researcher Presidents</i> committee member
2020	External evaluator for Promotion and Tenure, <i>Brock University</i>
2020	External evaluator for Promotion and Tenure, <i>University of Toronto</i>
2018-2019	<i>NSERC Discovery Grants</i> Co-Chair for Behavioural Neurosciences, Ottawa, ON
2018	<i>CIHR</i> Grant review Committee, Biological and Clinical Aspects of Aging, Ottawa, ON
2016-2019	<i>NSERC Discovery Grants</i> Panel Member, Ottawa, ON
2015-2016	<i>Southern Ontario Neuroscience Society</i> conference co-organisor
2015	External reviewer of 1 <i>SSHRC</i> research operating grant
2013	Chair <i>NSERC Scholarships & Fellowships National Committee</i> – Life Sciences panel
2013	Appointed Mentor at <i>CIHR's Summer Institute of Aging</i> , Toronto, ON
2013	Poster and Presentation Award judge at <i>Southern Ontario Neuroscience Association</i> annual meeting, Waterloo, ON
2011- 2013	Ontario Early Researcher Award Review Panel: <i>Ministry of Research & Innovation</i>
2011- 2012	<i>NSERC Scholarships Selection Committee</i> : Psychology Selection Committee #196
2011- 2012	Grants & Fellowships Review Panel Board member – <i>Alzheimer Society of Canada</i>
2012	Poster and Presentation Award judge at <i>Canadian Society for Brain and Behavioural Sciences (CSBBCS)</i> annual meeting, Kingston, ON
2012	Symposium organizer “Recollection and Familiarity Memory” at <i>CSBBCS</i> annual meeting, Kingston, ON
2006-2012	External reviewer for <i>NSERC Discovery grants</i> (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 <i>Canadian Foundation for Innovation</i> grants
2010	Graduate Conference co-organizer “ <i>Southern Ontario Neuropsychology Group</i> ”, Ryerson University, Toronto, ON
2008-2009	Chair for Scholarships Panel <i>Ontario Graduate Scholarship</i>
2008	Graduate Conference Organizer “ <i>Southern Ontario Neuropsychology Group</i> ”
2007	Symposium organizer “ <i>Advances in Research in Memory and Language</i> ”, for <i>TENNET</i>

2006-2008	<i>International conference June 2007, Montreal, Quebec</i>
2004-2007	Review Panel member <i>Ontario Graduate Scholarships</i> Theoretical and Experimental Neuropsychology (TENNET) Conference Committee
University	
2022-2025	University Tenure and Promotion Committee (<i>UTPAC</i>); Faculty of Arts representative
2005-present	Creator and Director of the <i>Waterloo Research in Aging Participant (WRAP) Pool</i> <ul style="list-style-type: none"> the “Waterloo Research in Aging Participant Pool” is a database of senior citizens recruited from the community for students and faculty at University of Waterloo (Psychology, Optometry, Engineering, Kinesiology, Public Health) to access for participation in research studies. Posters, ads, TV segments, and radio interviews are currently in place in the Kitchener-Waterloo community to recruit seniors for research studies.
2021	Reviewer of <i>Network for Aging Research</i> , University of Waterloo grants
2018	<i>UWaterloo Graduate Studies Scholarship Workshop</i> – Faculty of Arts representative
2017	<i>Directions in Leadership</i> roundtable meeting with <i>UWaterloo</i> President, September 2017
2017	University of Waterloo’s <i>Network for Aging Symposium</i> invited mentor May 2017
2017	<i>Waterloo Unlimited</i> Youth Outreach discussant with high school attendees, May 2017
2017	<i>University of Waterloo - Academic Leadership Framework</i> Roundtable January 2017
2016	Mentor and Panel Discussant ‘So you want to be an academic?’
	<i>School of Graduate Studies</i> , University of Waterloo
2015-2016	Steering Committee <i>Network for Aging Research</i>
2015	‘ <i>He for She</i> ’ Round Table Discussant
2014	Co-Organisor with Dr. Igor Grossman of “ <i>Successful Aging Speaker Series</i> ”
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	
2022-2033	Department Promotion & Tenure Committee
2022	Organisor, <i>Professional Issues Day</i> for Cognitive Neuroscience and Cognition, April 4 th
2020-2021	Human Resources Management Executive Committee
2019-2020	Department Promotion & Tenure Committee
2016	Organisor of <i>Workshop on Teaching Tips</i> –Department of Psychology
2016	Assigned Mentor for junior faculty Department of Psychology
2015	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
2008-2010	Executive Committee Representative for CNS area
Community	
	<ul style="list-style-type: none"> <i>Drawing & Memory</i> interview (March 27th, 2023). <i>Rosa Productions</i> for <i>BBC Radio4</i>. <i>ProfsPresent series at Grand River Hospital</i>. (November 23rd, 2022). Invited speaker. Drawing as a reliable technique to boost memory. Kitchener-Waterloo, Ontario <i>SySTEM Mentorship: Discovery Stream for Youth in Ontario</i> (September 21st, 2022). Invited speaker. Understanding the landscape for girls in science, creating opportunities and strategies for success. <i>CBC Quirks & Quarks with Bob McDonald</i> (June 17th, 2022); Panel expert ‘Infantile Amnesia’ questions from the community; CBC radio show

- *Research Talks* Speaker Series (December 15th, 2020) “Mapping the human brain”, University of Waterloo
- Podcast for *The BrainCore Series*, University of Toronto (November 22nd, 2020): <https://podcasts.apple.com/ca/podcast/the-braincore-podcast/id1528661614>
- CBC - The National CBC - online news; <https://www.cbc.ca/news/health/drawing-memory-aid-1.4963432>, Canadian Broadcasting Corporation, (January 3rd 2019), How Drawing Helps Memory in Young adults and Senior citizens.
- *TIME Magazine* <https://time.com/5176445/anxiety-improves-memory/> (February 27th 2018), Why people with anxiety may have better memories.
- *TIME Magazine* - <https://time.com/5474432/ drawing-helps-boost-memory/> (December 11th 2018). Drawing boosts memory in senior citizens.
- *Hillfield Strathallen College* Leadership Toolkit Invited Speaker for Senior High School, March 2017
- CBC online news - <https://www.cbc.ca/news/technology/trauma-brain-memoryneuroscience-1.3431059>, Canadian Broadcasting Corporation, (February 7th 2016) Role of Memory & Emotion in Courtroom testimonies and Eyewitness accounts
- *Hillfield Strathallen College* Life Sciences invited speaker for Senior High School, December 2016
- CBC online news; interview on memory, emotion & courtroom testimonies February 5th 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 1st, 2013
- *UW Magazine* (Fall 2009). Interview and feature in ‘On the move: Aging Research at Waterloo’
- Interview with *Country Guide* magazine (January 9th 2009): *Maintaining & enhancing mental skills*
- “Expert consultant” for *Waterloo District School Board* Grade 5 enrichment program (2009)
- Radio interview with *CKWR* (January 18th, 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:

Course	Term	Year
PSYCH 390 Research Methods in Memory	Winter	2023
ARTS 130 Mindtools to Maximize Memory	Fall	2022
PSYCH 390 Research Methods in Memory	Spring	2022
PSYCH 461 Case Studies in Neuropsychology	Spring	2021
PSYCH 390 Research Methods in Memory	Winter	2021
PSYCH 461 Case Studies in Neuropsychology	Fall	2020
PSYCH 390 Research Methods in Memory	Winter	2020
PSYCH 398 Research Methods in Memory	Winter	2019
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:

Course	Term	Year
PSYCH 781 Cognitive Neuroscience of Memory	Winter	2020
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

Course	Term	Year
PSYCH 677A Fundamentals of Neuroscience	Fall	2022, 2019, 2017, 2015, 2013, 2009, 2008, 2005

Graduate Supervisor of Completed Ph.D. Thesis:

Year	Student Name	Thesis Title
2022	Ryan Yeung	The Persistence of Involuntary Memory: Analyzing Phenomenology, Links to Mental Health, and Content
2020	Christopher Lee	Context reinstatement reconsidered: Investigating boundary conditions of the effect
2019	Melissa Meade	The benefits and boundary conditions of drawing on episodic memory
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. C. 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:

Year	Student Name	Thesis Title
2021	Sophia Tran	Drawing as an Encoding Tool: Generalizing to Emotional and More Complex Stimuli
2021	Yadurshana Sivashankar	Enhancing Memory using Enactment: Does Meaning Matter when Producing or Observing an Action?
2019	Brady Roberts	Re-evaluating Whether Bilateral Eye Movements Influence Memory Retrieval
2018	Ryan Yeung	Memory Bias for Threat-related Information in Social Anxiety
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
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On-going Graduate Supervision**Supervisor of Ph.D. Thesis:**

<u>Year</u>	<u>Student Name</u>
2022	Sebastien Gionet (Research Internship for 4 months from <i>University of Moncton</i>)
2021 – present	Sophia Tran
2021 – present	Yadurshana Sivashankar
2020 - present	Pelin Tan (co-supervised with Dr. C. MacLeod)
2019 - present	Brady Roberts (co-supervised with Dr. C. MacLeod)

Supervisor of Master's Thesis:

<u>Year</u>	<u>Student Name</u>
2021 - present	Adam Cox
2017	Astrid Aernoudts (Research Internship for 4 months from <i>Leiden University, Netherlands</i>)

Undergraduate Supervision: Honours Thesis

<u>Year</u>	<u>Student Name</u>	<u>Topic/Thesis Title</u>
2022	Aimee Xinxo	Effectiveness of encoding techniques for academic materials under high anxiety conditions
2022	Brian Kim	Best strategies to learn a second language
2020-2021	Ciel Liu (Department Award)	The Effect of Observed Enactment and Gesture on Memory
2019-2020	Isaac Beech	Comparing methods of intentional reminiscing
2019	Sihan Zhang	How do young adults process Emojis?
2017-2018	Victoria Garner	Paired-associate memory in older adults
2017	Lorielle Dietze	Memory in Bilingual Individuals: A Continuation of the Shared and Separate Debate
2017	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 VR
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 older adults
2004-2005	Karen Carter	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:

2022	Lauren Homann	NSERC PGS-Masters
2021	Ciel Liu	Honours Thesis Award; CPA Award of Excellence
2020	Lauren Homann	NSERC undergraduate award
2017	Brady Roberts	Honours Thesis Award; NSERC undergraduate award
2016	Sarah Gibbon	NSERC undergraduate award
2015	Hajer Homedawdy	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; Millennium Scholarship
2005	Karen Carter	UW's President's Award for Volunteerism

Awards Won by Graduate Students from my Laboratory:

2022	Pelin Tanberg	<i>Michael Smith NSERC Foreign supplement Award</i>
2022	Sophia Tran	<i>Peter Graf Award</i> , Canadian Psych Assoc.
2022	Sophia Tran	<i>OGS/ Queen Elizabeth Scholarship in Science & Technology</i>
2022	Yadurshana Sivashankar	<i>OGS/Queen Elizabeth Scholarship in Science & Technology</i>
2021	Yadurshana Sivashankar	<i>Mitacs Globalink Award</i>
2021	Brady Roberts	<i>CSBBCS Hebb Award</i> Honourable Mention for Best Talk
2020	Pelin Tan	NSERC CGS-Doctoral
2020	Sophia Tran	NSERC PGS-Masters
2020	Brady Roberts	NSERC PGS-Doctoral
2019	Ryan Yeung	NSERC CGS-Doctoral
2019	Chris Lee	Ontario Graduate Scholarship for 2019-2020
2019	Brady Roberts	Ontario Graduate Scholarship for 2019-2020
2018	Chris Lee	Recipient <i>UW Best Upper Year Poster</i> , Graduate Discovery Conf.
2018	Melissa Meade	Recipient of <i>CSBBCS Hebb Award</i> for Best Talk (for 2 nd time)
2018	Chris Lee	Ontario Graduate Scholarship for 2018-2019
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>CSBPCS Hebb Award</i> for Best Poster
2014	Jeff Wammes	<i>NSERC CGS-Doctoral</i>
2014	Lana Ozen	Postdoctoral Fellowship – <i>Network Centres of Excellence Canada</i>
2014	Melissa Meade	Short-listed for <i>CSBPCS Hebb Student Poster Award</i>
2013	Jeff Wammes	Honourable Mention <i>CSBPCS 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>CSBPCS</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	<i>NSERC PGS-Doctoral</i>
2008	Shahnaz Koji	<i>NSERC PGS-Doctoral</i>
2008	Lana Ozen	<i>NSERC PGS-Doctoral</i>
2007	Erin Skinner	<i>NSERC CGS-Doctoral</i>
2006	Stacey Danckert	<i>NSERC PGS-Doctoral</i>
2006	Erin Skinner	<i>NSERC PGS-Masters</i> ; Travel Award for Course in fMRI data analysis; Medical College of Wisconsin

WORK PLACEMENT OF PAST GRADUATE STUDENTS

Dr. Ryan Yeung (defended PhD August 2022) – Postdoctoral Fellow Baycrest Hospital: Rotman Research Institute, Toronto, ON

Dr. Christopher Lee (defended PhD September 2020) – Research and Graduate program coordinator, Department of Linguistics, University of Toronto, Toronto, ON

Dr. Melissa Meade (defended PhD September 2019) – Assistant Professor (2022), Department of Psychology, Huron at Western University, London, ON; NSERC postdoctoral fellow (2019-2021), University of Toronto, Toronto, ON

Dr. Jeffrey Wammes (defended PhD July 2017) – Assistant Professor (2020), Dept. of Psychology, Queen's University, Kingston, ON; NSERC postdoctoral fellow (2017-2020), Yale University, New Haven, Connecticut, USA

Bethany Delleman (completed Masters 2014) – Research Coordinator (2015), McMaster University, Hamilton, ON; Course Instructor (2014-2016) at Redeemer College University, Ancaster, ON

Dr. Shahnaz Koji (now Winer; defended PhD 2013) – Managing Director Vibrant Minds (2020) & CPA Psychology Careers and Professionals section Head; Dean Social Sciences and Faculty (2015-2020), Department of Psychology, Columbia College, Vancouver, BC

Dr. Lana Ozen (defended PhD 2012) – Research Associate (2019), University of Victoria, Institute on Aging & Lifelong Health, and Recreation Manager (2021), Revere Inc., Victoria, BC; Network Centre of Excellence Canada Researcher (2013), and Alzheimer Society of Canada Postdoctoral Fellow; St. Joseph's Health Care, Lakehead University, Thunder Bay, ON.

Dr. Jennifer Tomaszczyk (defended PhD 2012) - Scientific Associate (2015), Krembil Research Institute,

University Health Network, Toronto, ON; Postdoctoral fellow (2013), Hospital for Sick Children, Toronto, ON

Dr. Stacey Danckert (defended PhD 2011) - Co-Director Waterloo Region Environmental Network (2015); Green Party Representative Kitchener-Waterloo (2013); Postdoctoral Fellow - Baycrest Hospital: Rotman Research Institute (2012-2013), Toronto, ON

Harm Kelly (completed Masters 2011) – attained certification to work with developmentally delayed individuals.

Dr. Erin Skinner (now Lea; defended PhD 2009) – Faculty (2011) & Chair, Department of Psychology, Langara College, Vancouver, British Columbia (affiliated with University of British Columbia).

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